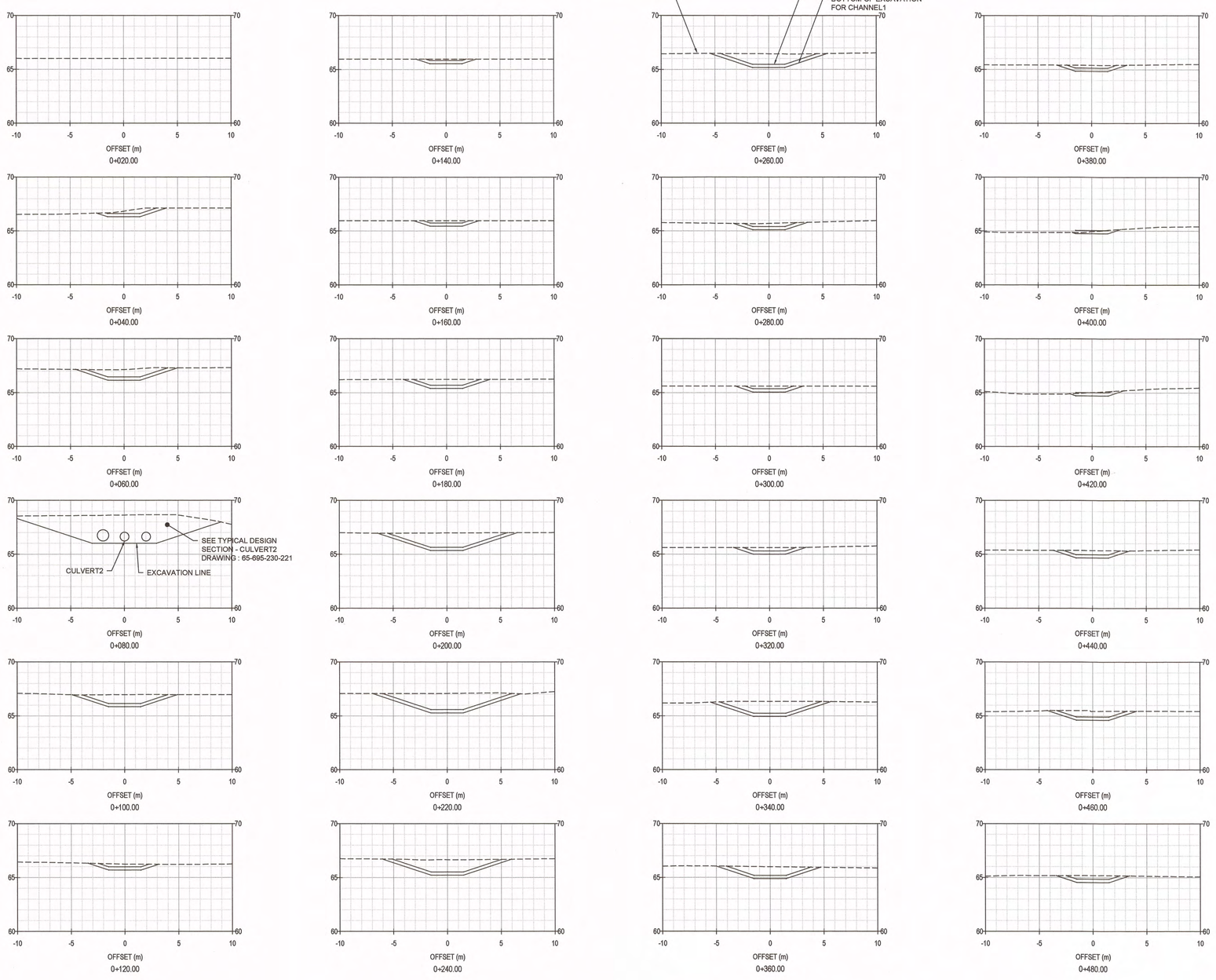
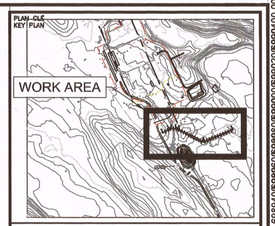
NO. DESSIN
DRAWING NO. 65-695-230-217&218_R0

FORMAT ARCHD



CHANNEL1 TYPICAL DESIGN CROSS-SECTIONS

PLAN CLE
KEY PLAN



NOTES GÉNÉRALES / GENERAL NOTES

GENERAL NOTES:

1. EXISTING GROUND DTM PROVIDED BY AEM.
2. ALL UNITS ARE IN METERS.
3. ELEVATIONS IN DRAWING PROVIDE FINISHED GRADE ELEVATIONS AT THE TOP OF THE SURFACE GRAVEL LAYER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY, SECURITY AND SLOPES OF ALL EXCAVATIONS/ BACKFILL AND SHALL ABIDE BY ALL RELEVANT STANDARDS AND REGULATIONS. THE STABILITY, DEWATERING AND MAINTENANCE OF ALL EXCAVATIONS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
5. GRANULAR MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 300mm AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY, MOISTURE CONDITIONING MAY BE REQUIRED PRIOR TO COMPACTION.
6. AN AS-BUILT DRAWING SHALL BE PROVIDED AFTER CONSTRUCTION.
7. NO EQUIPMENT CAN BE STORED AND NO DEPOSITION OF EXCAVATED AND STOCKPILED MATERIALS CAN BE DONE WITHIN THE LICENCE "A" - LIMIT OF WORK (31M) LINE

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2017-02-17

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 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	2017-02-17	ISSUED FOR CONSTRUCTION	M.Y.	J.A.	
A	2016-09-15	ISSUED FOR COMMENTS	D.R.	J.A.	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2017-02-17
PERMIT NUMBER: P 1029
NWNU Association of Professional Engineers and Geoscientists

PROFESSIONAL ENGINEER
J.M.F. ALARIE
LICENSEE
2017/02/17

TITRE / TITLE

AGNICO-EAGLE – MELIADINE DIVISION
695 – WATER MANAGEMENT
230-GENERAL EARTH WORKS
CHANNEL1 DESIGN
SECTION AND CROSS-SECTIONS

DESSINÉ PAR / DRAWN BY	MOURAD SENNADJ	DATE 2017-02-17
VERIFIÉ PAR / CHECKED BY	MELANIE YIP WOON SUN	2017-02-17
APPROUVÉ PAR / APPROVED BY	JOSÉE ALARIE	2017-02-17
ÉCHELLE / SCALE	1:200	DATE 2016-09-13

NO. DESSIN / DRAWING NO. 65-695-230-218

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515/28920	0	1 / 1

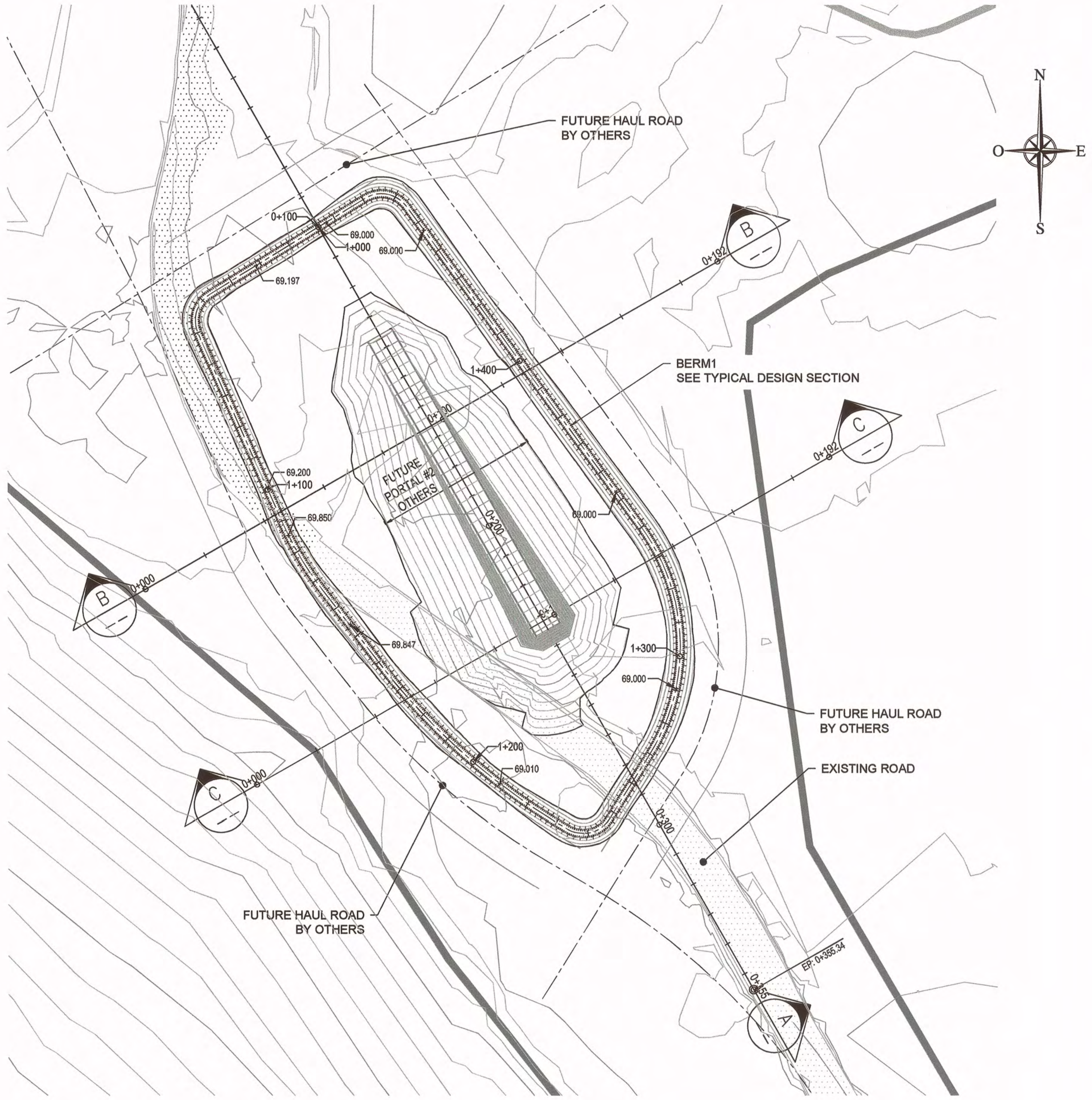
AE-CART-ARCH D

P:\28920\DESSIN\CIV-INFRA\DESSINS DE TRAVAIL\AUTOCAD\65-695-230-217&218_R0.dwg

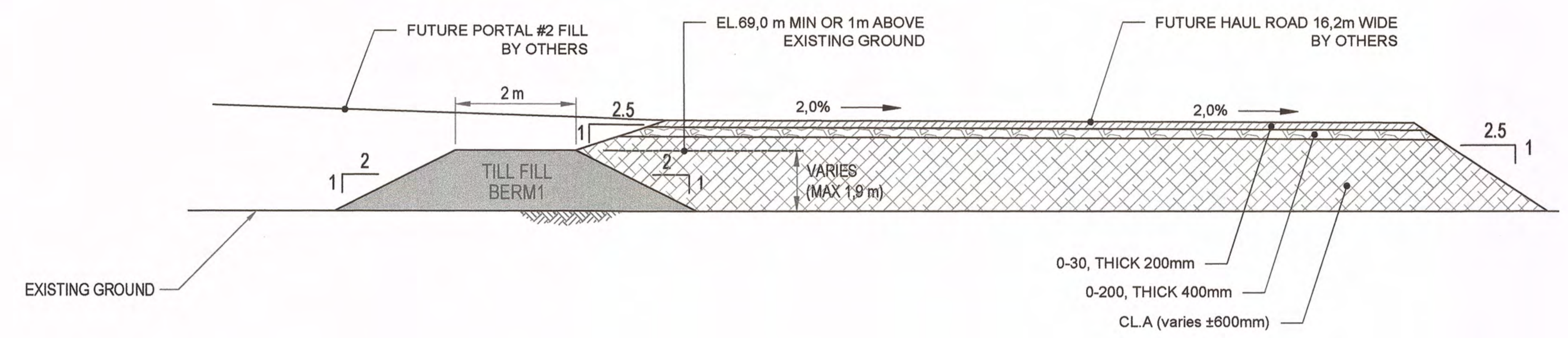
FILE NO. 65-695-230-217&218_R0.dwg

NO. DESSIN / DRAWING NO. 65–695–230–219&220_R0

FORMAT ARCHD

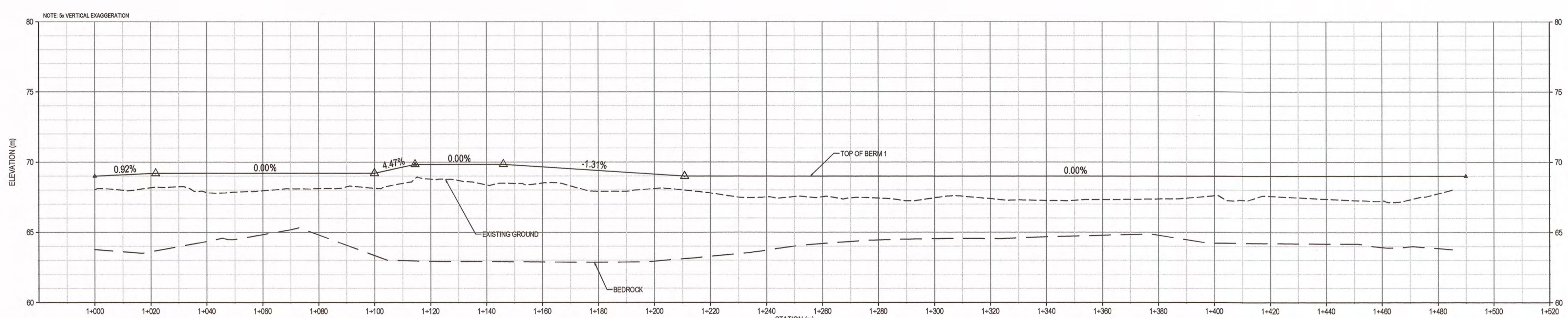


PLAN / VIEW
SCALE 1:1000



TYPICAL DESIGN SECTION - BERM1
N.T.S.

QUANTITIES CONSTRUCTION CHART *	
BERM1	
MATERIAL	QUANTITIES
SELECTED UNFROZEN TILL FILL	3260 m³
* MATERIAL QUANTITIES ARE ESTIMATED IN-PLACE QUANTITIES	



PROFILE OF BERM 1 ALONG CENTRELINE
HOR. SCALE : 1:1000
VERT. SCALE : 1:200

TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE DATE : 2017-02-17

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 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	2017–02–17	ISSUED FOR CONSTRUCTION	P.H.	J.A.	
A	2017–02–13	ISSUED FOR COMMENTS	P.H.	J.A.	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2017-02-17
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.I.F. ALARIE
LICENSEE
2017/02/17

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
695 –WATER MANAGEMENT
230 – GENERAL EARTH WORKS
BERM #1
LAYOUT PLAN AND PROFILE

DESSINÉ PAR / DRAWN BY	PATRICK HAMEL	DATE 2017–02–17
VERIFIÉ PAR / CHECKED BY	MÉLANIE YIP WOON SUN	2017–02–17
APPROUVÉ PAR / APPROVED BY	JOSÉE ALARIE	2017–02–17
ÉCHELLE / SCALE	AS INDICATED	DATE 2016–09–15

NO. DESSIN / DRAWING NO. 65–695–230–219

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515/28920	0	1 / 1

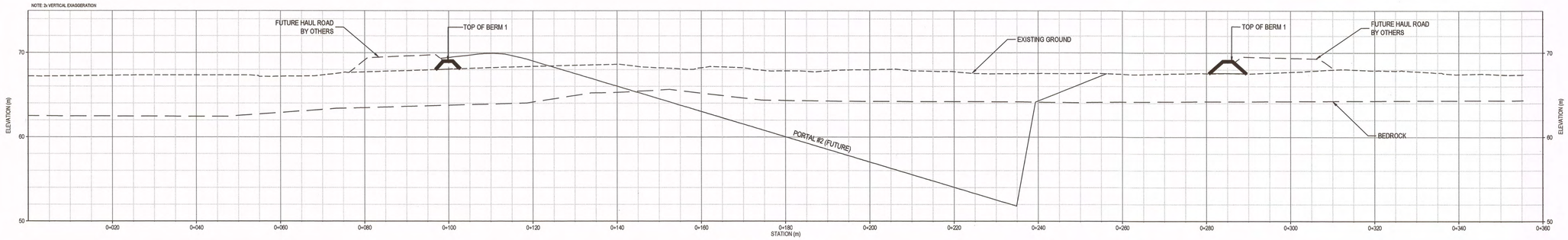
AE–CART–ARCH D

P:\28920\DESSIN\CIV–INFRA\DESSINS DE TRAVAIL\AUTOCAD\65–695–230–219&220_R0.dwg–2013–02–19 14:03:29

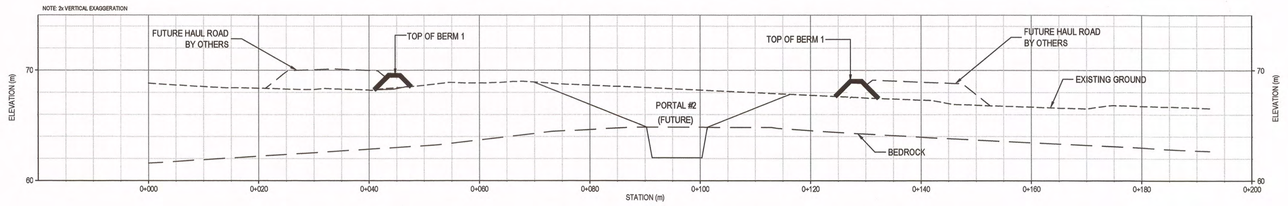
FILE NO. 65–695–230–219&220_R0.dwg

NO. DESSIN
DRAWING NO. 65-695-230-219&220_R0

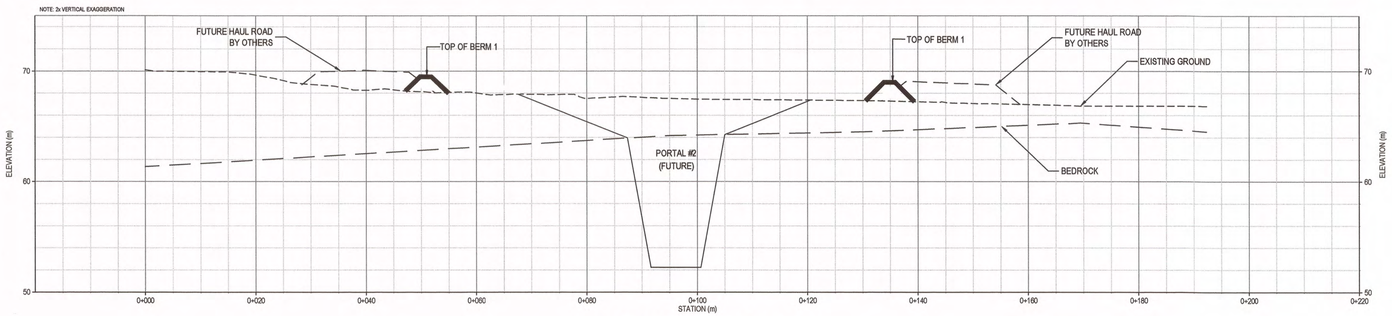
FORMAT ARCH D



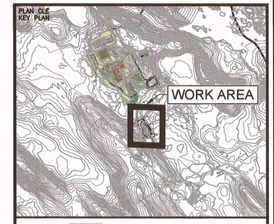
CROSS-SECTION A
HOR. SCALE : 1:500
VERT. SCALE : 1:250



CROSS-SECTION B
HOR. SCALE : 1:500
VERT. SCALE : 1:250



CROSS-SECTION C
HOR. SCALE : 1:500
VERT. SCALE : 1:250



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2017-02-17

L'INFORMATION ÉCRITE SUR CE DESSIN EST LA PROPRIÉTÉ DE AGNICO EAGLE LTÉE ET NE DOIT ÊTRE RETOURNÉE QUE SUR DEMANDE. SAUF 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.

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
–	–
–	–
–	–
–	–
–	–
–	–

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2017-02-17	ISSUED FOR CONSTRUCTION	P.H.	J.A.	
A	2017-02-13	ISSUED FOR COMMENTS	P.H.	J.A.	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2017-02-17
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.I.F. ALARIE
LICENSEE
2017/02/17

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
695 –WATER MANAGEMENT
230 – GENERAL EARTH WORKS
BERM #1
CROSS-SECTIONS

DESSINÉ PAR / DRAWN BY	PATRICK HAMEL	DATE 2017-02-17
VERIFIÉ PAR / CHECKED BY	MÉLANIE YIP WOON SUN	2017-02-17
APPROUVÉ PAR / APPROVED BY	JOSÉE ALARIE	2017-02-17
ÉCHELLE / SCALE	AS INDICATED	DATE 2016-09-15

NO. DESSIN / DRAWING NO. 65-695-230-220

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515/28920	0	1 / 1

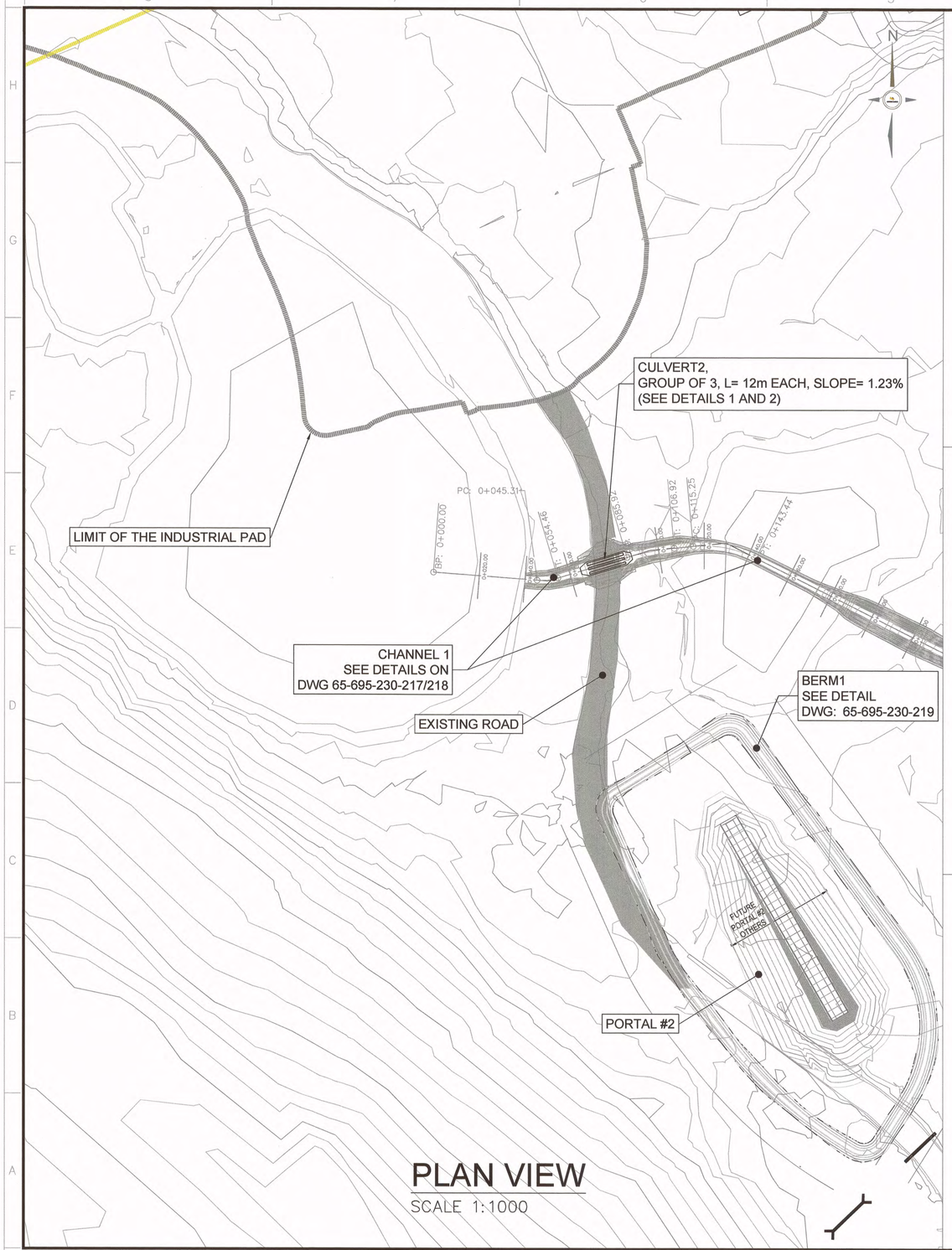
AE-CART-ARCH D

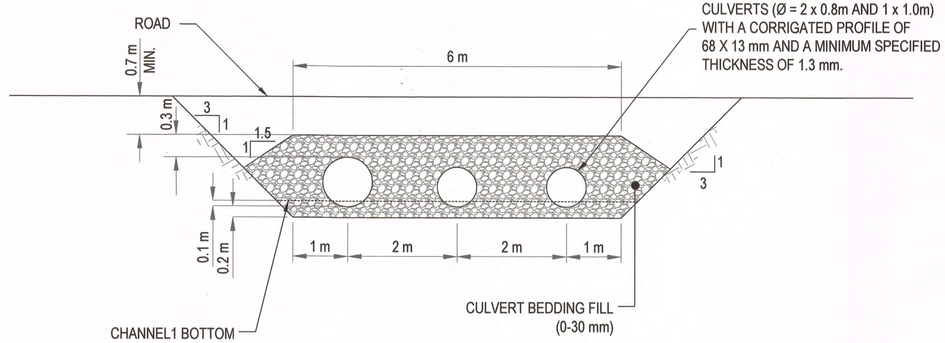
P:\28920\DESSIN\CIV-INFRA\DESSINS DE TRAVAIL\AUTOCAD\65-695-230-219&220_R0.dwg-2013-02-19 14:03:29

FILE NO. 65-695-230-219&220_R0.dwg

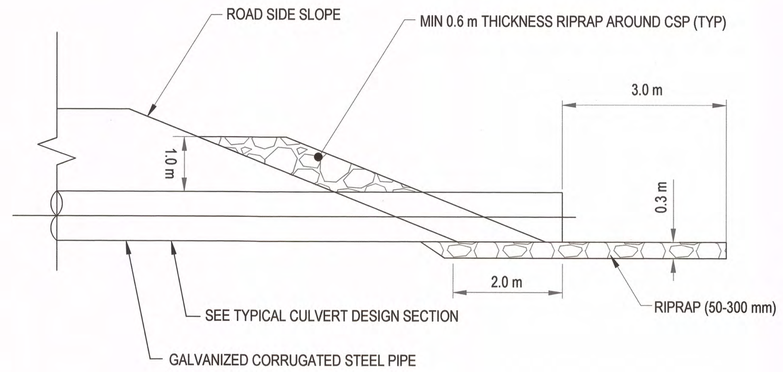
NO. DESSIN
DRAWING NO. 65-695-230-221_R0

FORMAT ARCHD





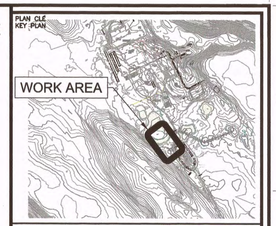
1 TYPICAL DESIGN SECTION - CULVERT2
N.T.S.



2 TYPICAL CULVERT RIP RAP DETAIL FOR BOTH INLET AND OUTLET
N.T.S.

QUANTITIES CONSTRUCTION CHART *	
CULVERT2	
MATERIAL	QUANTITIES
GALVANIZED CORRIGATED STEEL PIPE - Ø 1m	L= 12 m
GALVANIZED CORRIGATED STEEL PIPE - Ø0.8m	L= 2x12 m
GRANULAR FILL (0-30mm)	130 m³
RIPRAP (50-300mm)	35 m³
* MATERIAL QUANTITIES ARE ESTIMATED IN-PLACE QUANTITIES	

PLAN CLÉ
KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

GENERAL NOTES:
1. EXISTING GROUND DTM PROVIDED BY AEM.
2. ALL UNITS ARE IN METERS.
3. ELEVATIONS IN DRAWING PROVIDE FINISHED GRADE ELEVATIONS AT THE TOP OF THE SURFACE GRAVEL LAYER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY, SECURITY AND SLOPES OF ALL EXCAVATIONS/ BACKFILL AND SHALL ABIDE BY ALL RELEVANT STANDARDS AND REGULATIONS. THE STABILITY, DEWATERING AND MAINTENANCE OF ALL EXCAVATIONS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
5. GRANULAR MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 300mm AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY. MOISTURE CONDITIONING MAY BE REQUIRED PRIOR TO COMPACTION.
6. AN AS-BUILT DRAWING SHALL BE PROVIDED AFTER CONSTRUCTION.
7. NO EQUIPMENT CAN BE STORED AND NO DEPOSITION OF EXCAVATED AND STOCKPILED MATERIALS CAN BE DONE WITHIN THE LICENCE "A" - LIMIT OF WORK (31M) LINE
8. GRANULAR MATERIAL 0-30 CAN BE SUBSTITUTED BY AN EQUIVALENT MATERIAL APPROVED BY THE FIELD GEOTECHNICAL ENGINEER

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2017-02-17

L'INFORMATION CI-CONTENUE EST LA PROPRIÉTÉ DE AGNICO EAGLE LTÉE ET NE 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 PRÊTE 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	2017-02-17	ISSUED FOR CONSTRUCTION	M.S.	J.A.	
A	2016-09-15	ISSUED FOR COMMENTS	J-G.M.	J.A.	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2017-02-17
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.I.F. ALARIE
LICENSEE
PROFESSIONAL ENGINEER
2017/02/17

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
695 – WATER MANAGEMENT
230 – GENERAL EARTH WORKS
CULVERT2
PLAN VIEW ET DETAILS

DESSINÉ PAR / DRAWN BY	MOURAD SENNADJ	DATE 2017-02-17
VERIFIÉ PAR / CHECKED BY	MELANIE YIP WOON SUN	2017-02-17
APPROUVÉ PAR / APPROVED BY	JOSÉE ALARIE	2017-02-17
ÉCHELLE / SCALE		DATE

NO. DESSIN / DRAWING NO. 65-695-230-221

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515/28920	0	1 / 1

AE-CART-ARCH D

P:\28920\DESSIN\CIV-INFRA\DESSINS DE TRAVAIL\AUTOCAD\65-695-230-221_R0.dwg-2017-02-16

FILE NO. 65-695-230-221_R0.dwg