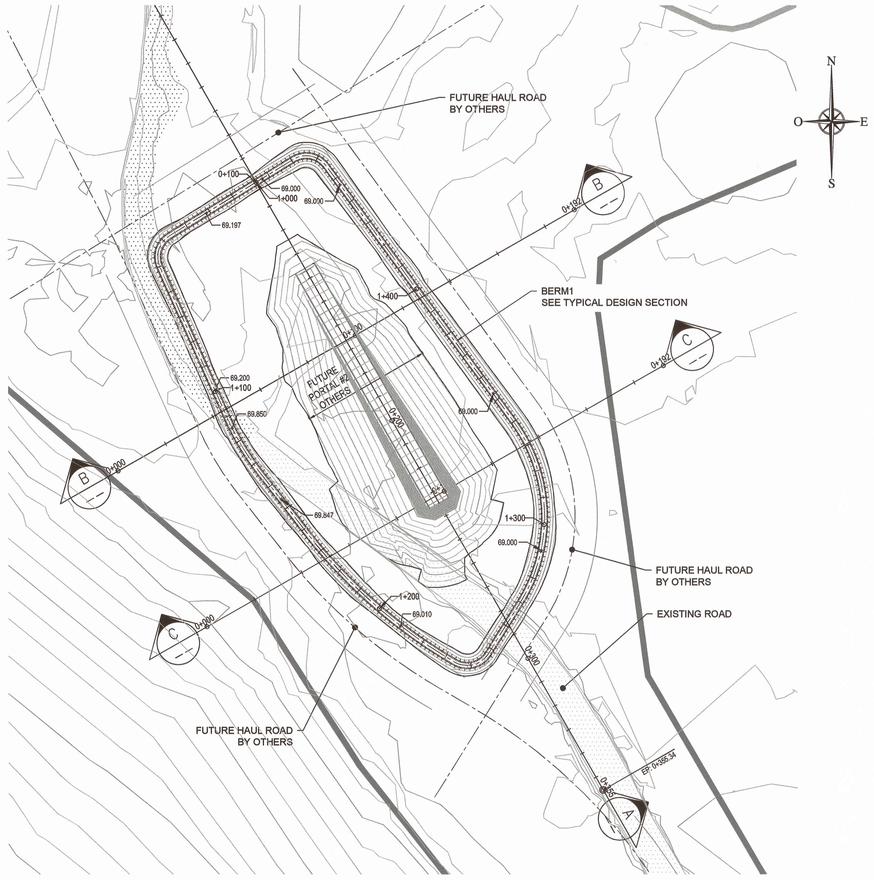
Appendix O

Infrastructures As-Built and Design

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

FORMAT ARCHD



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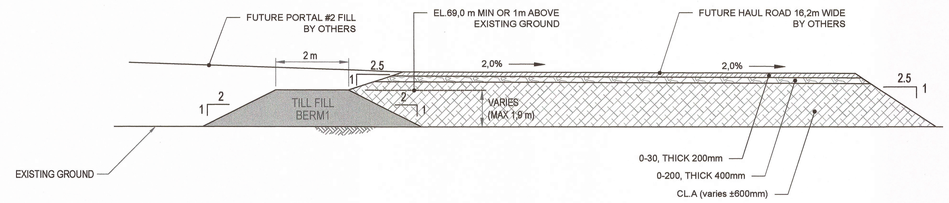
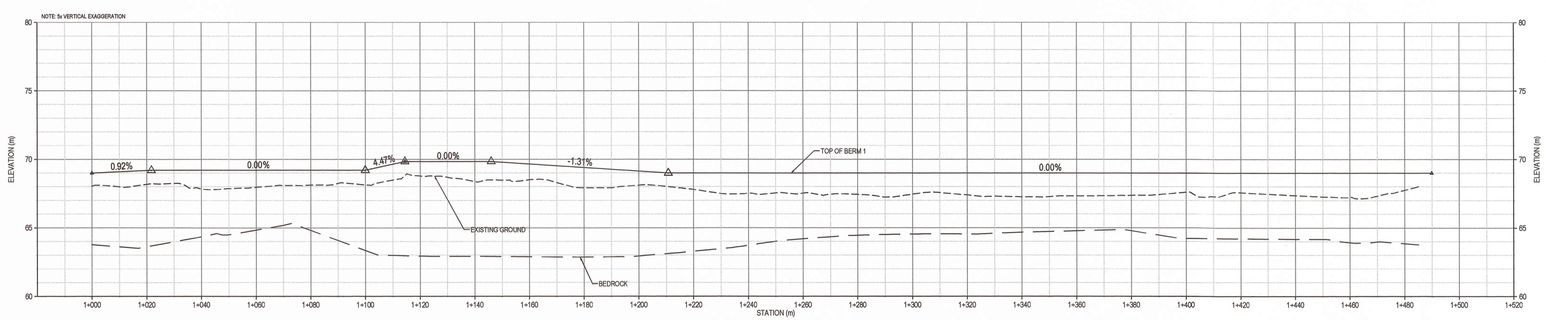


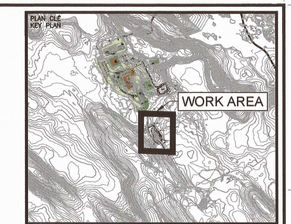
TYPICAL DESIGN SECTION - BERM1
N.T.S.

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

PLAN CLÉ
KEY PLAN



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

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DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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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
NTNU 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

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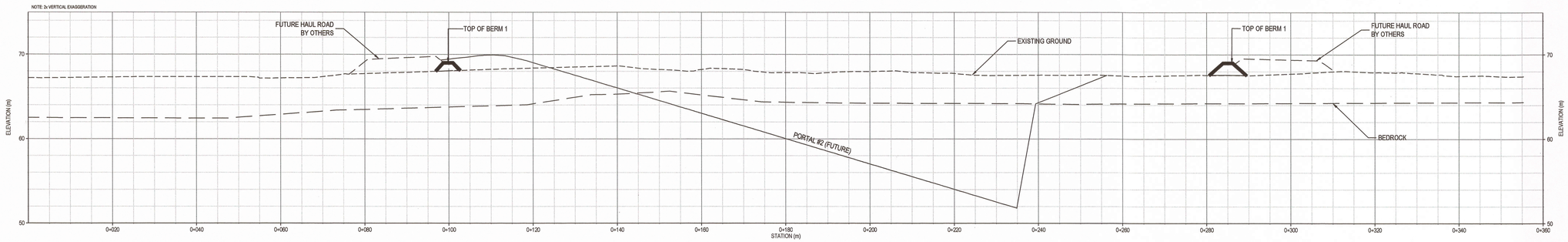
FILE NO. 65-695-230-219&220_R0.dwg

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

FORMAT ARCHD



CROSS-SECTION A
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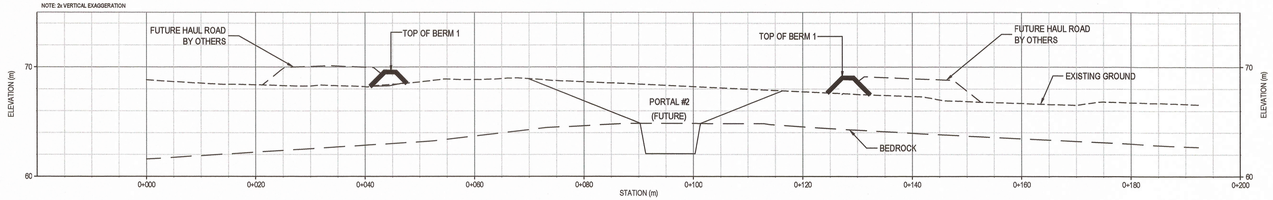
VERT. SCALE : 1:250



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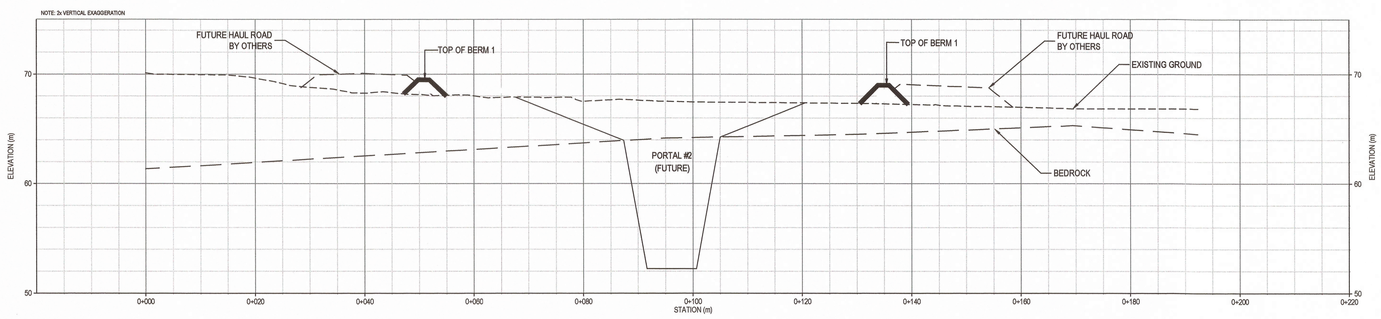

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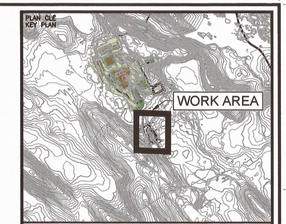

TETRA TECH

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 DÉMARCHE DE COPIER À AUTRUI ET TOUTE UTILISATION AUTRE QUE CELLE POUR LAQUELLE L'INFORMATION EST PRÊTÉE SONT INTERDITES. © AGNICO EAGLE LTÉE

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DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REVISIONS

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.	

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
D/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-GART-ARCH D

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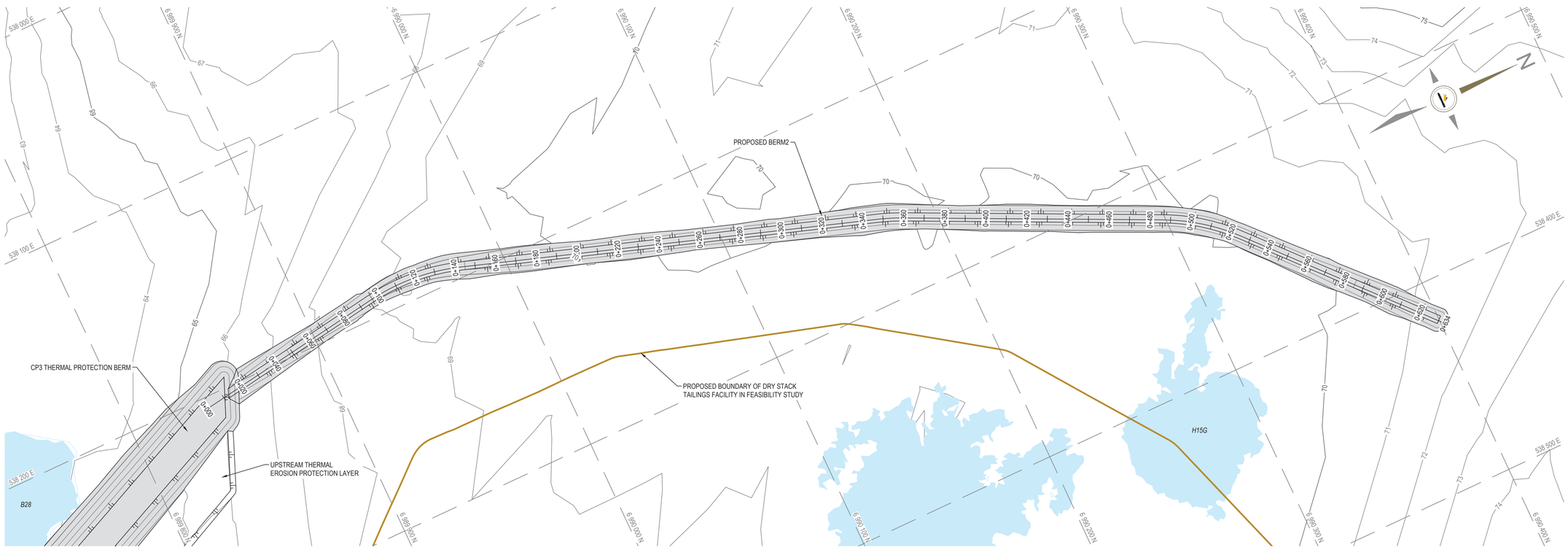
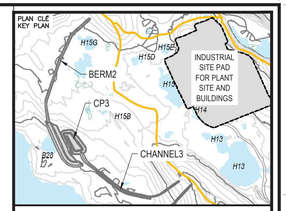
NO. DESSIN DRAWING NO. 65-695-230-245

FORMAT ARCHD





TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. ASSUMED CONSTRUCTION SCHEDULE FOR CHANNEL3 FALL / WINTER 2018.
2. ASSUMED GEOTEXTILE THAT MEETS MATERIAL SPECIFICATION WILL BE AVAILABLE AT SITE FOR CHANNEL3 CONSTRUCTION.
3. MATERIAL PLACEMENT AND FOUNDATION PREPARATION SHOULD BE IN ACCORDANCE WITH THE REQUIREMENTS OF GEOTECHNICAL CONSTRUCTION / MATERIAL SPECIFICATIONS (TETRA TECH 2018).

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date June 21, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2018-06-21

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2018-06-21	ISSUED FOR CONSTRUCTION	HX	WTH	
A	2018-05-29	ISSUED FOR REVIEW	HX	WTH	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER H. XIA LICENSEE NTNU 2018

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. 2018

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

BERM2
LAYOUT PLAN

DESSINÉ PAR DRAWN BY	EL	DATE 2018-06-21
VERIFIÉ PAR CHECKED BY	HX	2018-06-21
APPROUVÉ PAR APPROVED BY	WTH	2018-06-21
ÉCHELLE SCALE	1:1000	DATE 2018-06-21
NO. DESSIN DRAWING NO.	65-695-230-245	
NO. PROJET PROJECT NO.	6515	REVISION 0 / FEUILLE / SHT 10/13

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+000	6 989 837.76	538 205.54
0+010	6 989 847.64	538 204.03
0+020	6 989 857.53	538 202.53
0+030	6 989 867.42	538 201.02
0+040	6 989 877.30	538 199.52
0+050	6 989 887.19	538 198.02

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+060	6 989 897.07	538 196.51
0+070	6 989 906.96	538 195.01
0+080	6 989 916.85	538 193.50
0+090	6 989 926.73	538 192.00
0+100	6 989 936.63	538 190.58
0+110	6 989 946.61	538 189.98

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+120	6 989 956.60	538 190.39
0+130	6 989 966.49	538 191.78
0+140	6 989 976.20	538 194.16
0+150	6 989 985.70	538 197.28
0+160	6 989 995.19	538 200.45
0+170	6 990 004.67	538 203.62

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+180	6 990 014.16	538 206.79
0+190	6 990 023.64	538 209.96
0+200	6 990 033.13	538 213.12
0+210	6 990 042.61	538 216.29
0+220	6 990 052.10	538 219.46
0+230	6 990 061.58	538 222.63

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+240	6 990 071.07	538 225.80
0+250	6 990 080.55	538 228.97
0+260	6 990 090.04	538 232.14
0+270	6 990 099.52	538 235.31
0+280	6 990 109.00	538 238.47
0+290	6 990 118.49	538 241.64

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+300	6 990 127.97	538 244.81
0+310	6 990 137.46	538 247.98
0+320	6 990 146.94	538 251.15
0+330	6 990 156.43	538 254.32
0+340	6 990 165.91	538 257.49
0+350	6 990 175.39	538 260.68

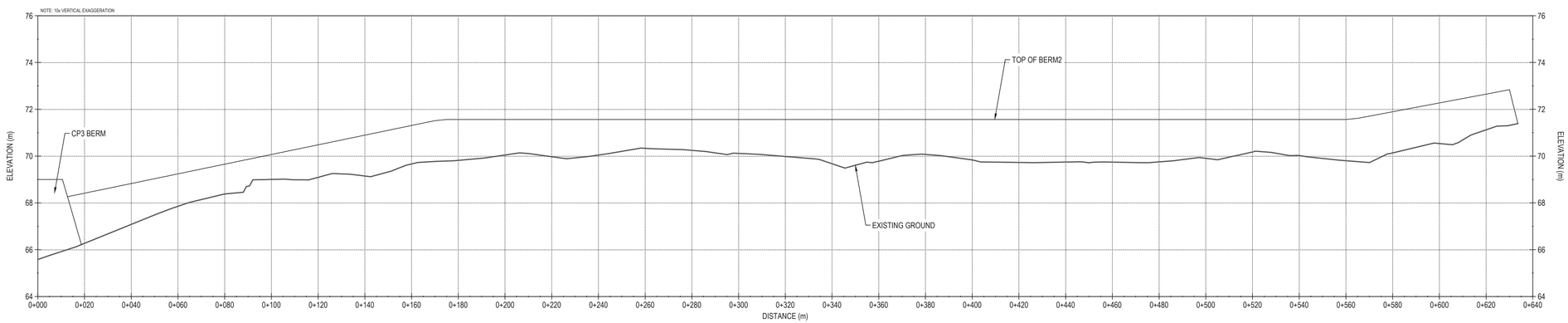
BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+360	6 990 184.61	538 264.55
0+370	6 990 193.64	538 268.84
0+380	6 990 202.67	538 273.14
0+390	6 990 211.70	538 277.43
0+400	6 990 220.73	538 281.72
0+410	6 990 229.76	538 286.02

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+420	6 990 238.79	538 290.31
0+430	6 990 247.83	538 294.60
0+440	6 990 256.86	538 298.90
0+450	6 990 265.89	538 303.19
0+460	6 990 274.92	538 307.48
0+470	6 990 283.95	538 311.78

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+480	6 990 292.98	538 316.07
0+490	6 990 301.98	538 320.43
0+500	6 990 310.60	538 325.50
0+510	6 990 318.66	538 331.41
0+520	6 990 326.08	538 338.10
0+530	6 990 332.87	538 345.44

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+540	6 990 339.54	538 352.90
0+550	6 990 346.21	538 360.35
0+560	6 990 352.87	538 367.80
0+570	6 990 359.54	538 375.25
0+580	6 990 366.21	538 382.71
0+590	6 990 372.88	538 390.16

BERM2 LAYOUT POINTS		
STATION	NORTHING	EASTING
0+600	6 990 379.54	538 397.61
0+610	6 990 386.21	538 405.06
0+620	6 990 392.88	538 412.52
0+630	6 990 399.55	538 419.97



BERM2 PROFILE
SCALE: H-1:1000 V-1:100

AE-CART-ARCH D

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FILE NO. 65-695-230-245.dwg

NO. DESSIN
DRAWING NO. 65–695–230–246

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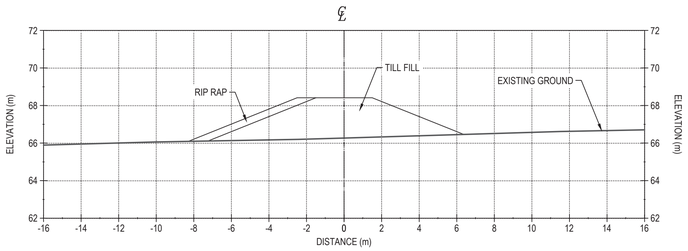

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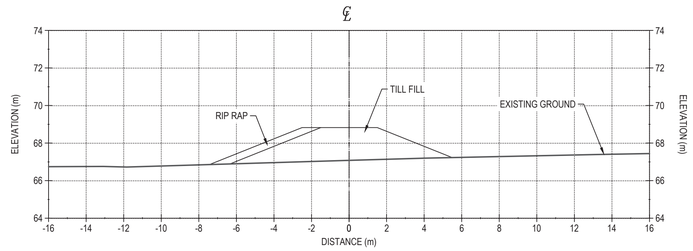

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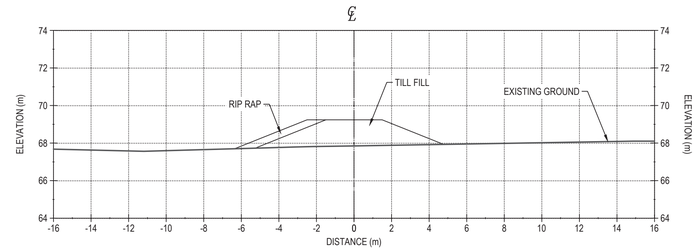

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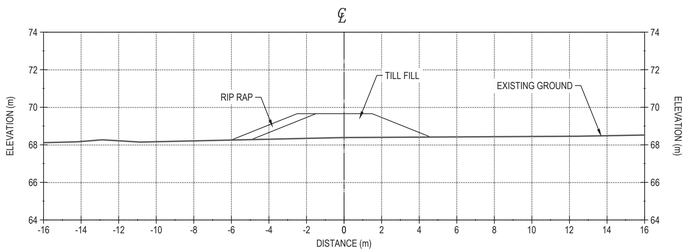

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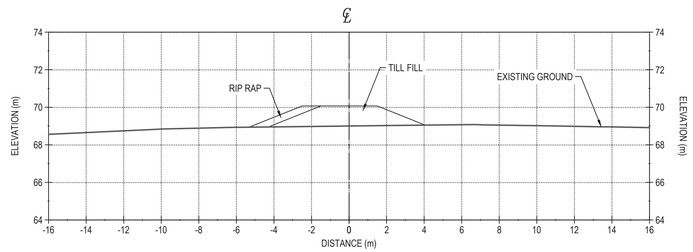

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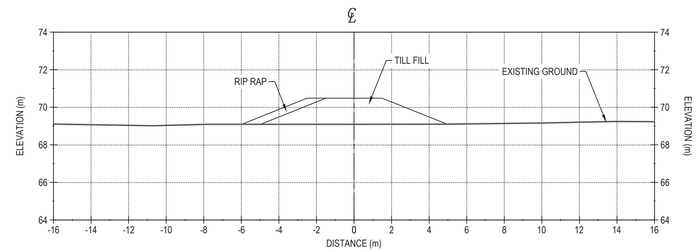

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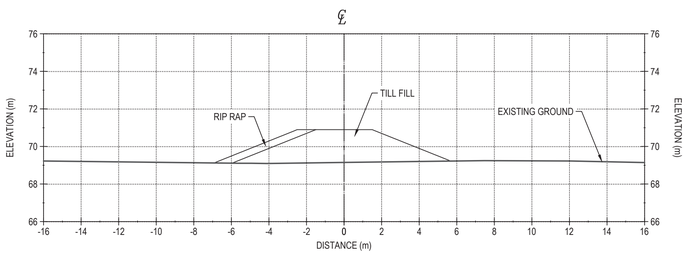

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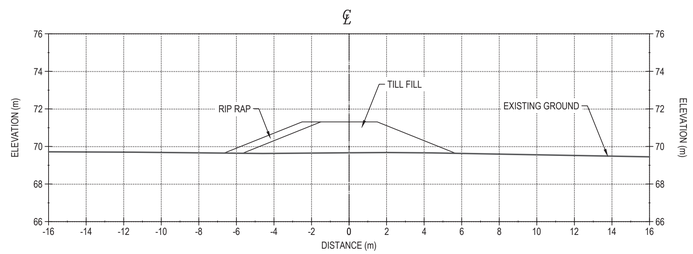

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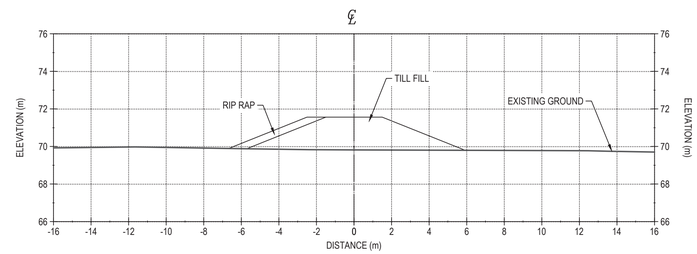

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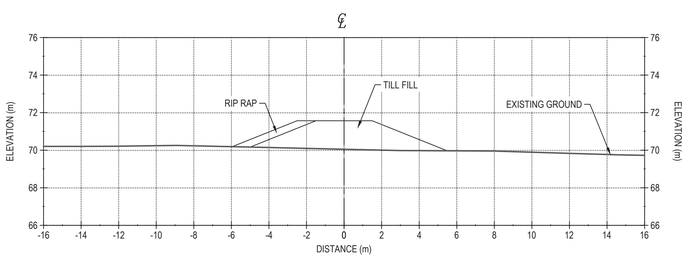

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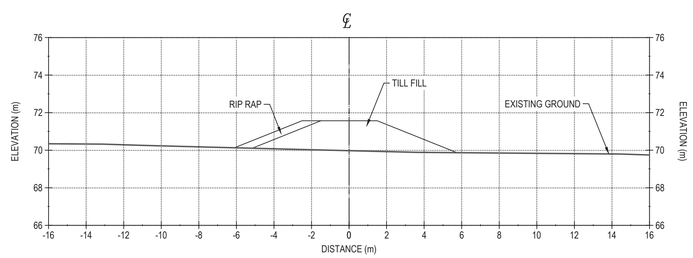

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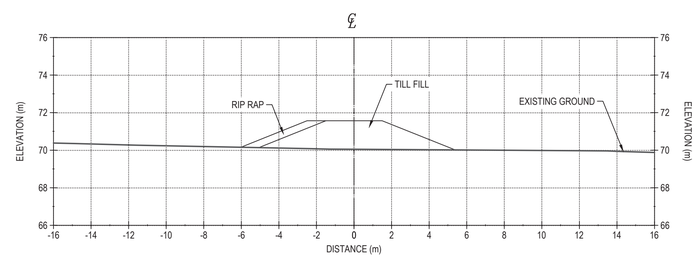

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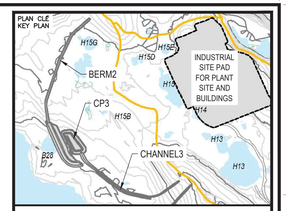
PLAN CLÉ
KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. ASSUMED CONSTRUCTION SCHEDULE FOR CHANNEL3 FALL / WINTER 2018.
2. ASSUMED GEOTEXTILE THAT MEETS MATERIAL SPECIFICATION WILL BE AVAILABLE AT SITE FOR CHANNEL3 CONSTRUCTION.
3. MATERIAL PLACEMENT AND FOUNDATION PREPARATION SHOULD BE IN ACCORDANCE WITH THE REQUIREMENTS OF GEOTECHNICAL CONSTRUCTION / MATERIAL SPECIFICATIONS (TETRA TECH 2018).

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date June 21, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2018–06–21

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2018–06–21	ISSUED FOR CONSTRUCTION	HX	WTH	
A	2018–05–29	ISSUED FOR REVIEW	HX	WTH	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER H. JIA LICENSEE NT/NU 2018

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. 2018

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

BERM2 DESIGN SECTIONS
(1 of 3)

DESSINÉ PAR / DRAWN BY	EL	DATE 2018–06–21
VERIFIÉ PAR / CHECKED BY	HX	2018–06–21
APPROUVÉ PAR / APPROVED BY	WTH	2018–06–21
ÉCHELLE / SCALE	1:150	DATE 2018–06–21

NO. DESSIN / DRAWING NO.
65–695–230–246–1

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515	0	11 / 13

AE–CART–ARCH D

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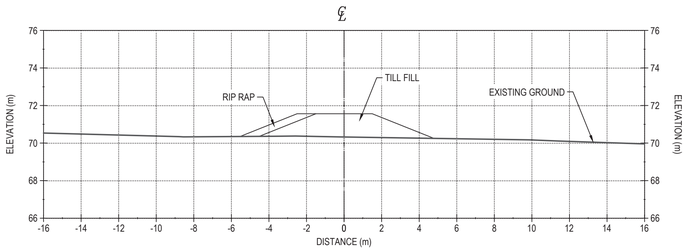
NO. DESSIN
DRAWING NO. 65–695–230–246

FORMAT ARCHD



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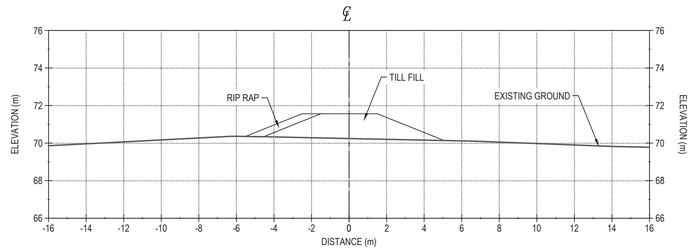

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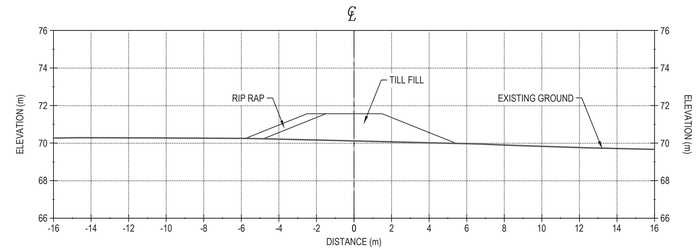

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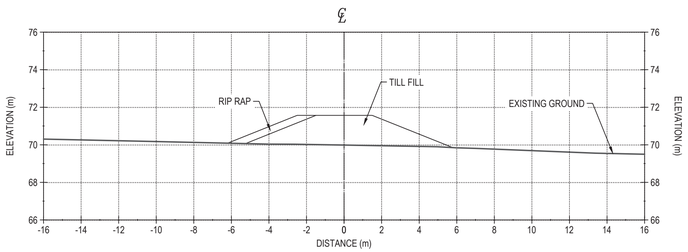

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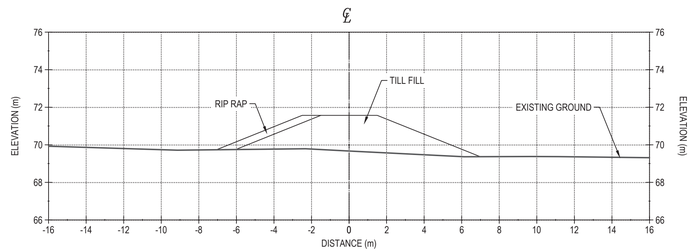

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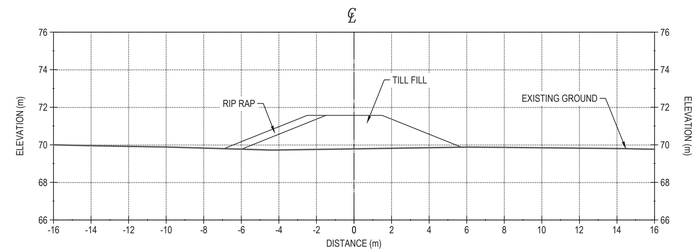

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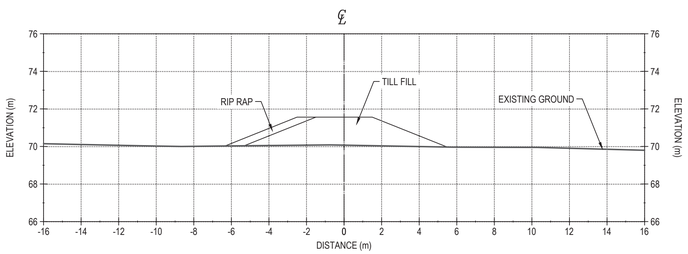

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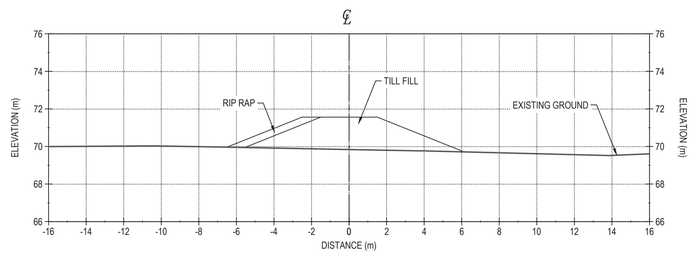

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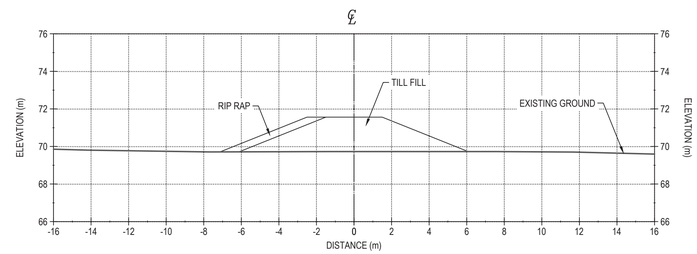

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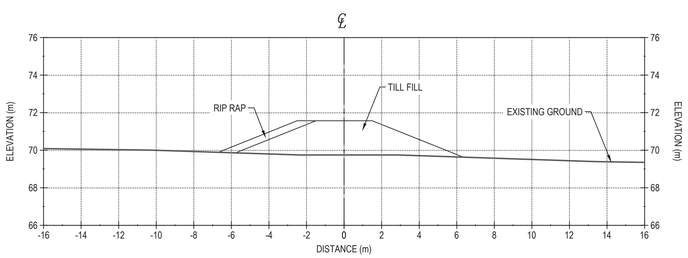

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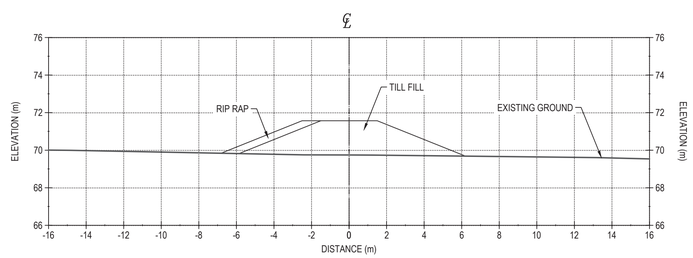

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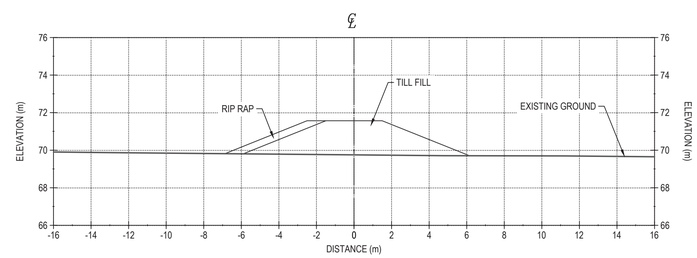

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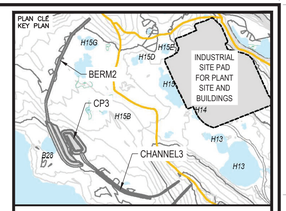
PLAN CLÉ
KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. ASSUMED CONSTRUCTION SCHEDULE FOR CHANNEL3 FALL / WINTER 2018.
2. ASSUMED GEOTEXTILE THAT MEETS MATERIAL SPECIFICATION WILL BE AVAILABLE AT SITE FOR CHANNEL3 CONSTRUCTION.
3. MATERIAL PLACEMENT AND FOUNDATION PREPARATION SHOULD BE IN ACCORDANCE WITH THE REQUIREMENTS OF GEOTECHNICAL CONSTRUCTION / MATERIAL SPECIFICATIONS (TETRA TECH 2018).

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date June 21, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2018–06–21

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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–	–

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2018–06–21	ISSUED FOR CONSTRUCTION	HX	WTH	
A	2018–05–29	ISSUED FOR REVIEW	HX	WTH	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER H. JIA LICENSEE NT/NU 2018

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. 2018

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

BERM2 DESIGN SECTIONS
(2 of 3)

DESSINÉ PAR / DRAWN BY	EL	DATE 2018–06–21
VERIFIÉ PAR / CHECKED BY	HX	2018–06–21
APPROUVÉ PAR / APPROVED BY	WTH	2018–06–21
ÉCHELLE / SCALE	1:150	DATE 2018–06–21

NO. DESSIN / DRAWING NO. 65–695–230–246–2

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515	0	12 / 13

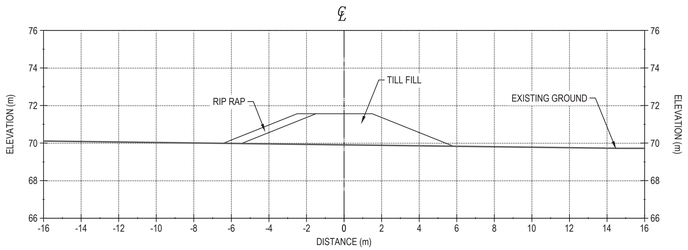
AE–CART–ARCH D

Q:\Edmonton\Engineering\E141\Projects_MELIADINE\CP3_CP4 Detailed Design\CP3\65–695–230–246.dwg–2013–02–19 14:03:29

FILE NO. 65–695–230–246.dwg

NO. DESSIN
DRAWING NO. 65–695–230–246

FORMAT ARCHD



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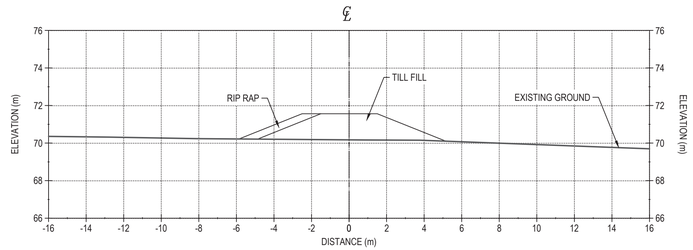

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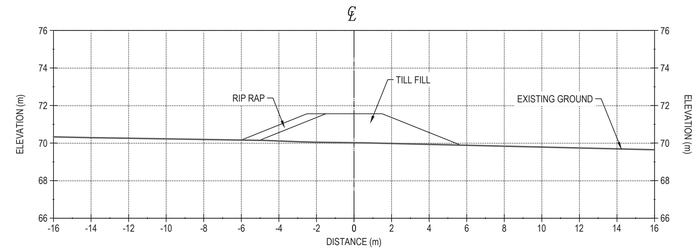

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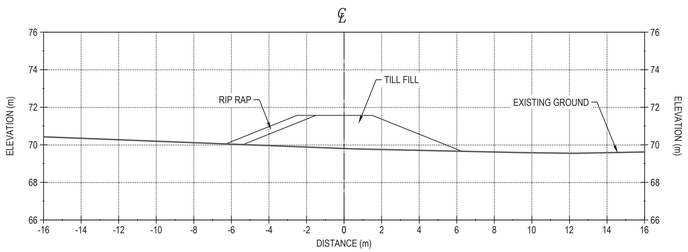

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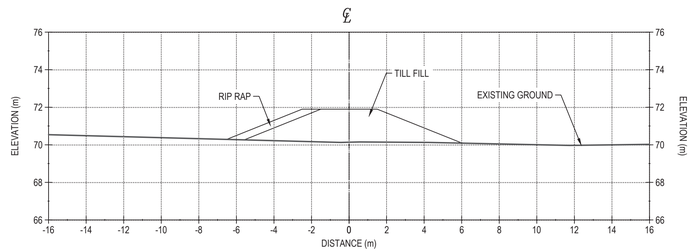

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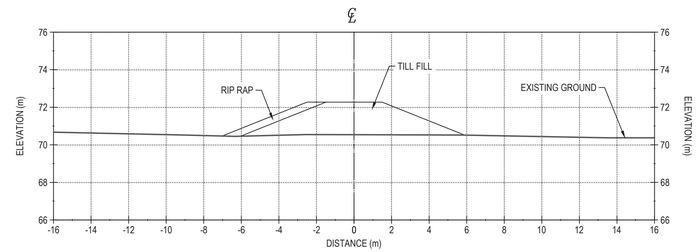

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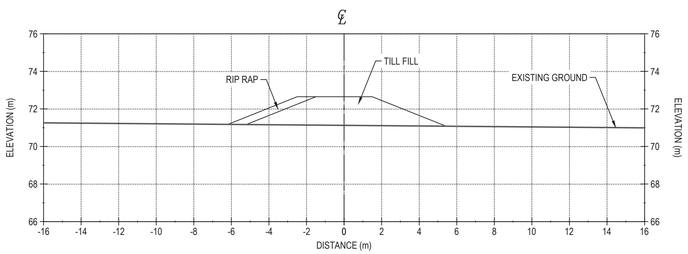

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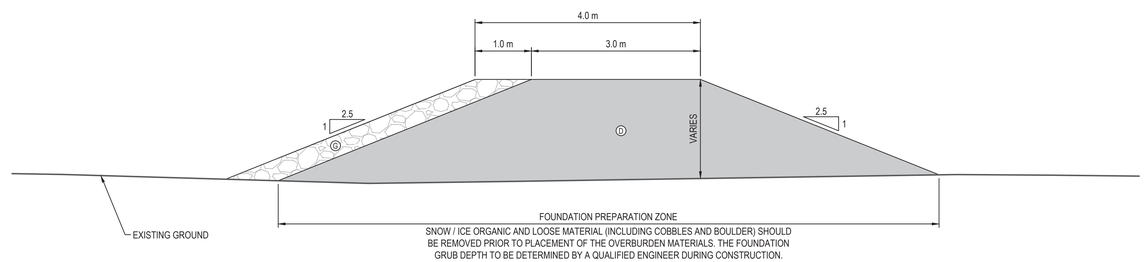
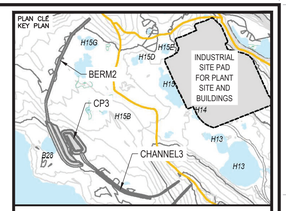


	ITEM	UNITS	ESTIMATED IN-PLACE QUANTITY
D	EXCAVATED OVERBURDEN TILL FILL (300 mm MINUS)	m³	7,060
G	RIP RAP	m³	970

PLAN CLÉ
KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. ASSUMED CONSTRUCTION SCHEDULE FOR CHANNEL3 FALL / WINTER 2018.
2. ASSUMED GEOTEXTILE THAT MEETS MATERIAL SPECIFICATION WILL BE AVAILABLE AT SITE FOR CHANNEL3 CONSTRUCTION.
3. MATERIAL PLACEMENT AND FOUNDATION PREPARATION SHOULD BE IN ACCORDANCE WITH THE REQUIREMENTS OF GEOTECHNICAL CONSTRUCTION / MATERIAL SPECIFICATIONS (TETRA TECH 2018).

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date June 21, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2018–06–21

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2018–06–21	ISSUED FOR CONSTRUCTION	HX	WTH	
A	2018–05–29	ISSUED FOR REVIEW	HX	WTH	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER H. JIA LICENSEE NT/NU 2018

REGISTERED PROFESSIONAL ENGINEER W. T. HORNE LICENSEE N.W.T. 2018

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

BERM2 DESIGN SECTIONS
(3 of 3)

DESSINÉ PAR DRAWN BY	EL	DATE 2018–06–21
VERIFIÉ PAR CHECKED BY	HX	2018–06–21
APPROUVÉ PAR APPROVED BY	WTH	2018–06–21
ÉCHELLE SCALE	1:150	DATE 2018–06–21
NO. DESSIN DRAWING NO.	65–695–230–246–3	
NO. PROJET PROJECT NO.	6515	REVISION 0 / FEUILLE / SHT 13 / 13

AE–CART–ARCH D

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FILE NO. 65–695–230–246.dwg

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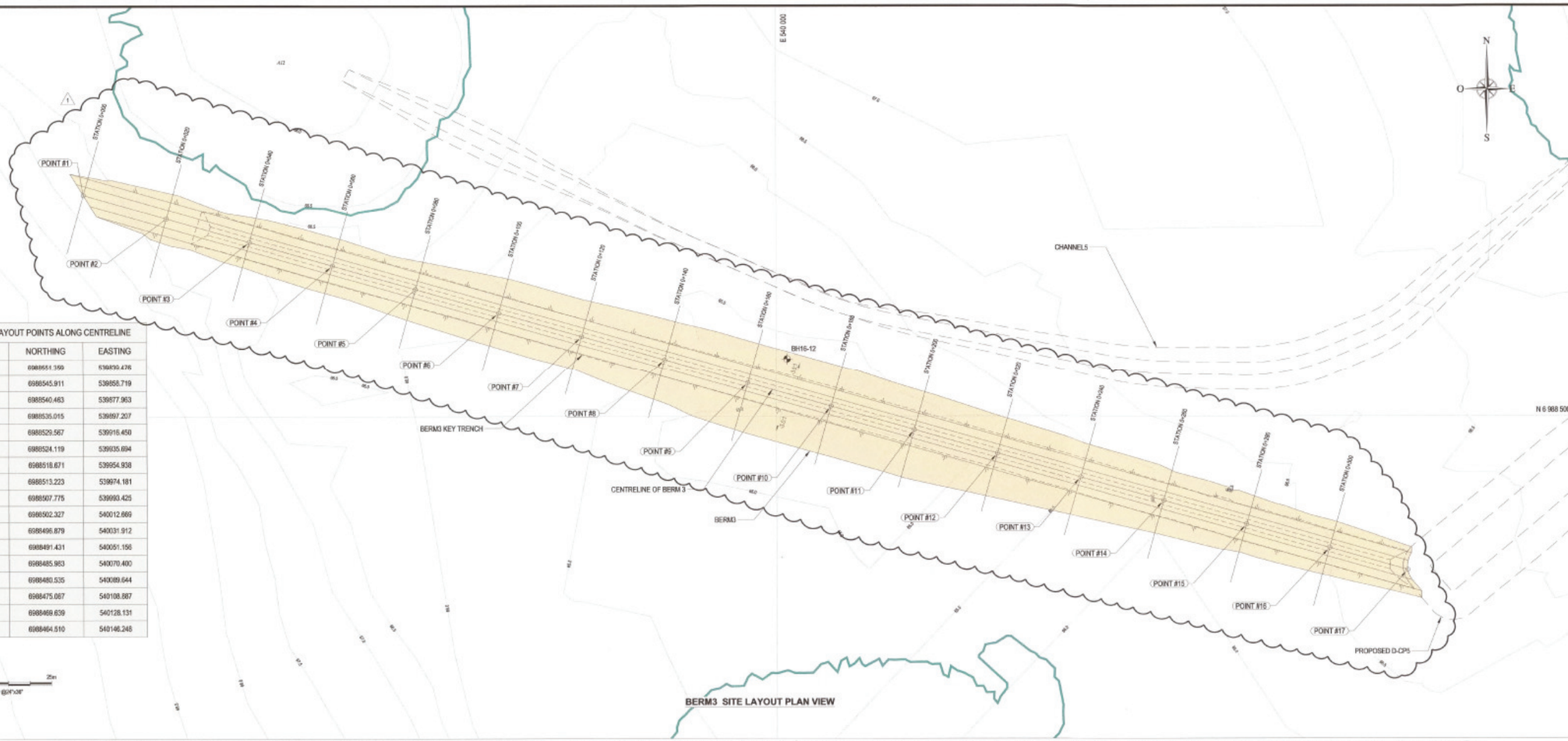
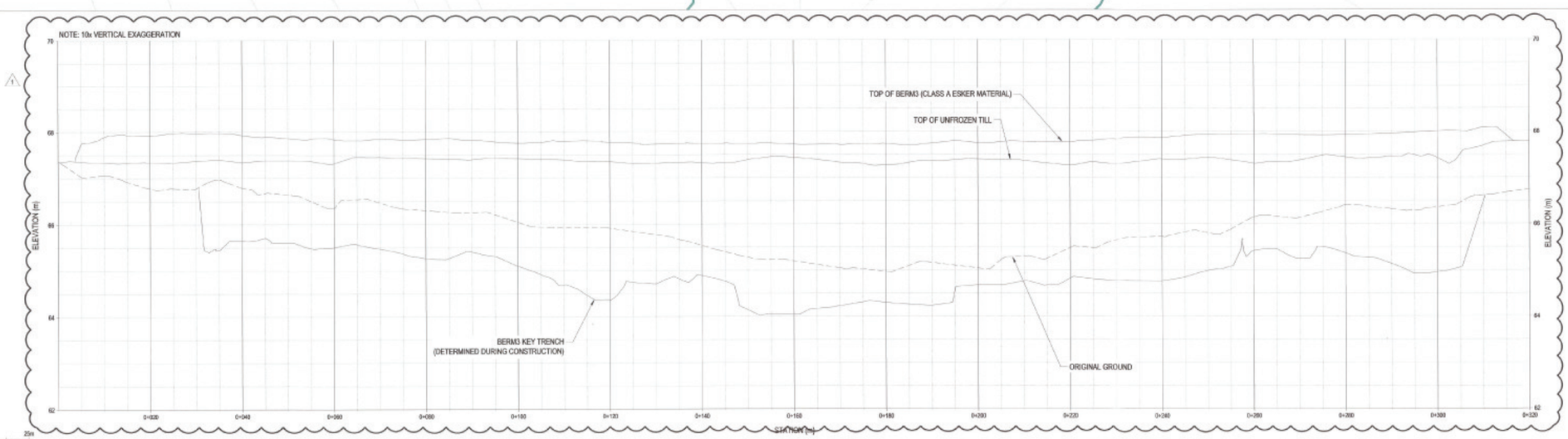


BERM3 LAYOUT POINTS ALONG CENTRELINE		
POINT #	NORTHING	EASTING
1	6988551.369	539839.476
2	6988545.911	539858.719
3	6988540.463	539877.963
4	6988535.015	539897.207
5	6988529.567	539916.450
6	6988524.119	539935.694
7	6988518.671	539954.938
8	6988513.223	539974.181
9	6988507.775	539993.425
10	6988502.327	540012.669
11	6988496.879	540031.912
12	6988491.431	540051.156
13	6988485.983	540070.400
14	6988480.535	540089.644
15	6988475.087	540108.887
16	6988469.639	540128.131
17	6988464.510	540146.248

0 25m
Scale: 1:500 @24"x36"

BERM3 SITE LAYOUT PLAN VIEW



0 25m
Scale: 1:500 @24"x36"

PROFILE OF BERM3 ALONG CENTRELINE

PLAN D'E KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

NOTES:
1. ASSUMING BERM3 WILL BE CONSTRUCTED IN OCTOBER AND EARLY NOVEMBER 2016
2. ASSUMING SELECTED UNFROZEN TILL FILL THAT MEETS MATERIAL SPECIFICATIONS WILL BE AVAILABLE AT THE SITE FOR BERM3 CONSTRUCTION

LEGEND

BOREHOLE

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017-12-06

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TYPE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2017-12-06	ISSUED FOR AS-BUILT	D.P.	J.A.	
0	2016-09-20	ISSUED FOR CONSTRUCTION	EL	GZ	
A	2016-09-15	ISSUED FOR REVIEW	DBD	GZ	

REVISIONS

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

REGISTERED PROFESSIONAL ENGINEER
J.M.LP. ALARIE
LICENSE
2017-12-07

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

BERM3 LAYOUT PLAN AND PROFILE

DESSINÉ PAR DRAWN BY	DBD	DATE 2016-09-20
VERIFIÉ PAR CHECKED BY	GZ	2016-09-20
APPROUVÉ PAR APPROVED BY	KJ	2016-09-20
ÉCHELLE SCALE		DATE 2016-09-20
NO. DESSIN DRAWING NO.	65-695-230-214	
NO. PROJET PROJECT NO.	6515	REVISION 1 / FEUILLE / SHT 1 / 3

AE-CONT-ARCH D

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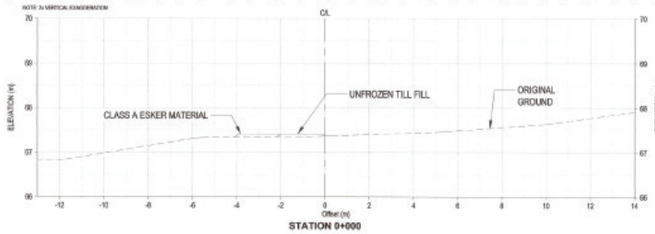

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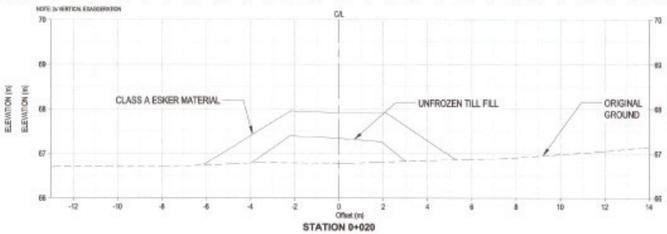

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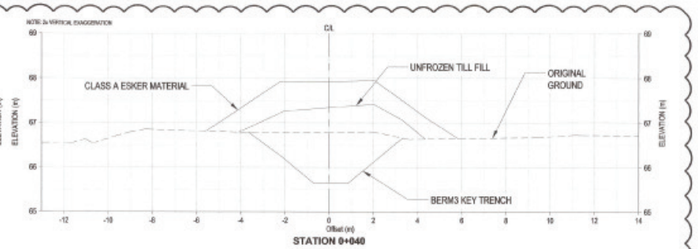

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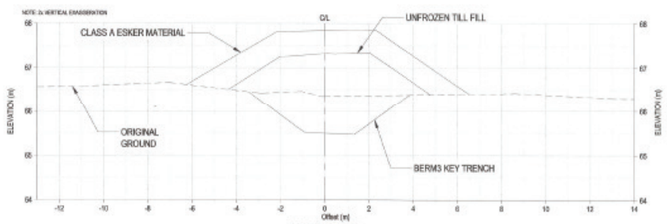

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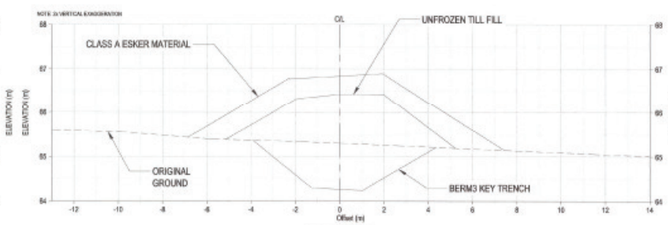

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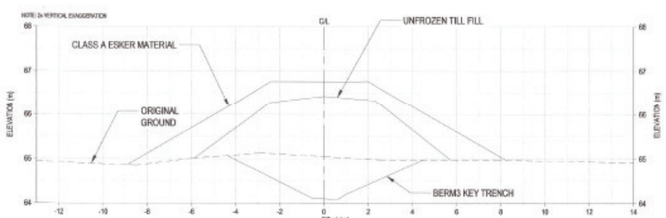

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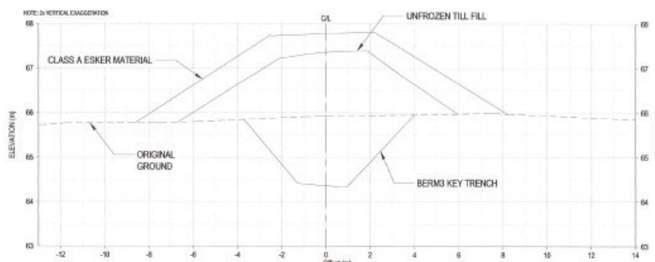

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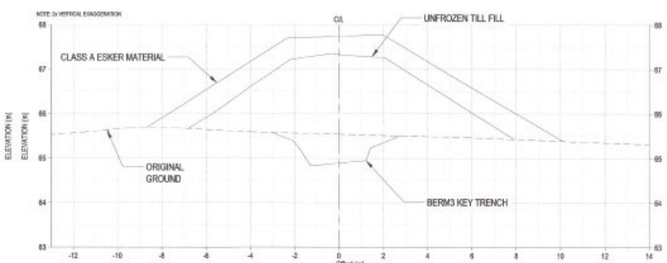

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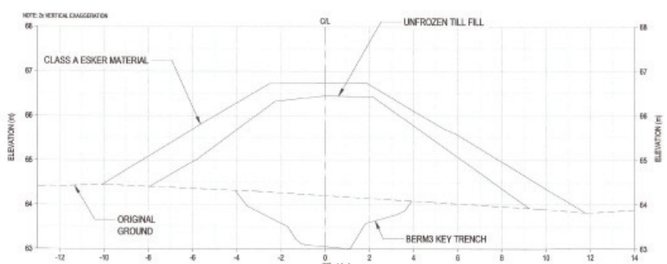

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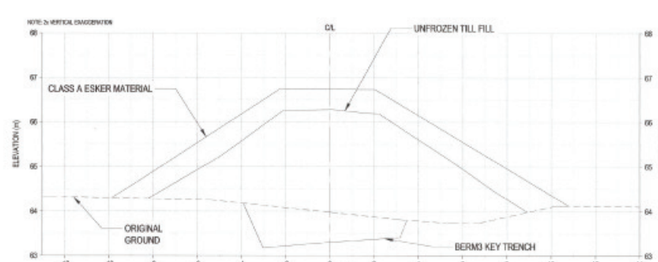

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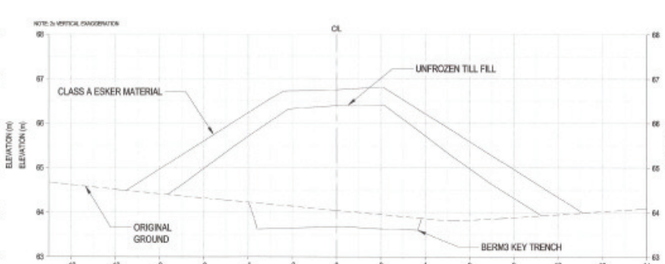

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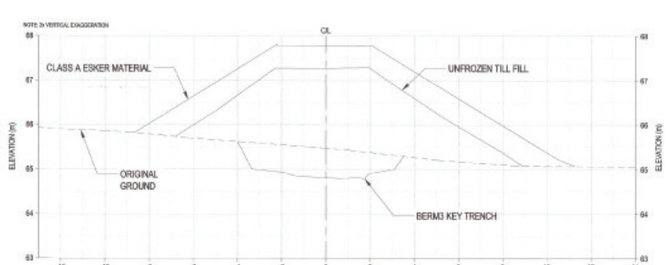

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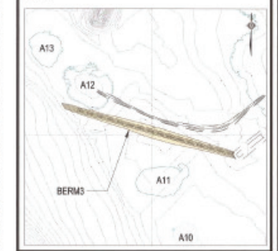
PLAN CLE
KEY PLAN



NOTES GÉNÉRALES / GENERAL NOTES

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017-12-06

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV	DATE	DESCRIPTION	PAR/BY	APP	CLIENT
1	2016-12-06	ISSUED FOR AS-BUILT	DJV	J.A.	
0	2016-09-20	ISSUED FOR CONSTRUCTION	GL	GZ	
A	2016-09-15	ISSUED FOR REVIEW	DBB	GZ	

REVISIONS

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

REGISTERED PROFESSIONAL ENGINEER
J.M.F. ALARIE
LICENSEE
2016-12-07

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

BERM3 DESIGN SECTIONS

DESSINÉ PAR DRAWN BY	DBB	DATE 2016-09-20
VERIFIÉ PAR CHECKED BY	GZ	2016-09-20
APPROUVÉ PAR APPROVED BY	KJ	2016-09-20
ÉCHELLE SCALE		DATE 2016-09-20

NO. DESSIN DRAWING NO.
65-695-230-215

NO. PROJET PROJECT NO	REVISION	FEUILLE / SHT
6515	1	2 / 3

AC-CART-ARCH D

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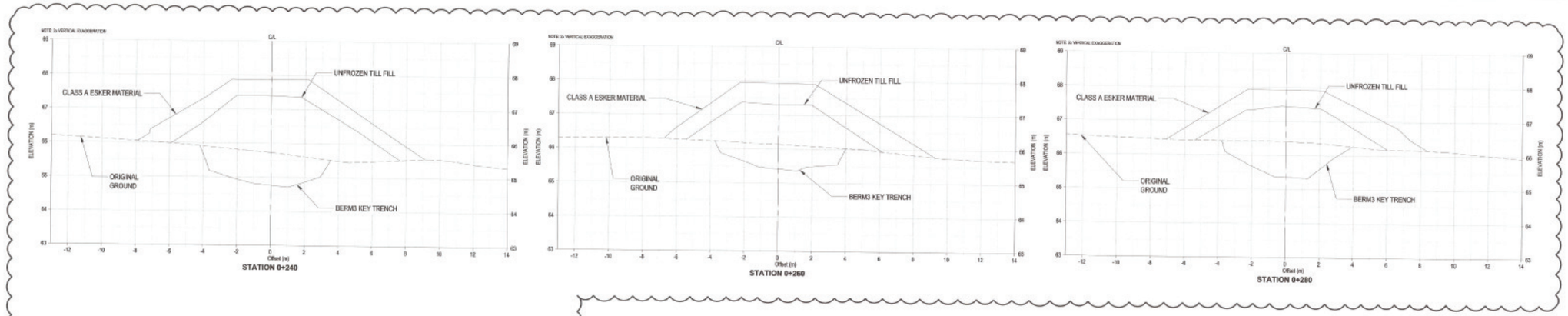
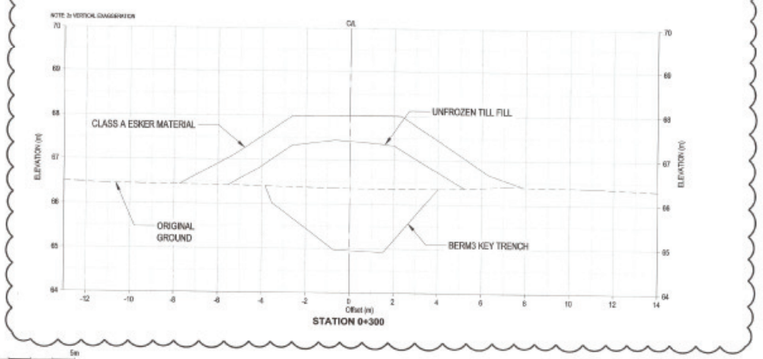
FILE NO. 65-695-230-214-216_R1.dwg

NO. DESSIN DRAWING NO. 65-695-230-214-216_R1

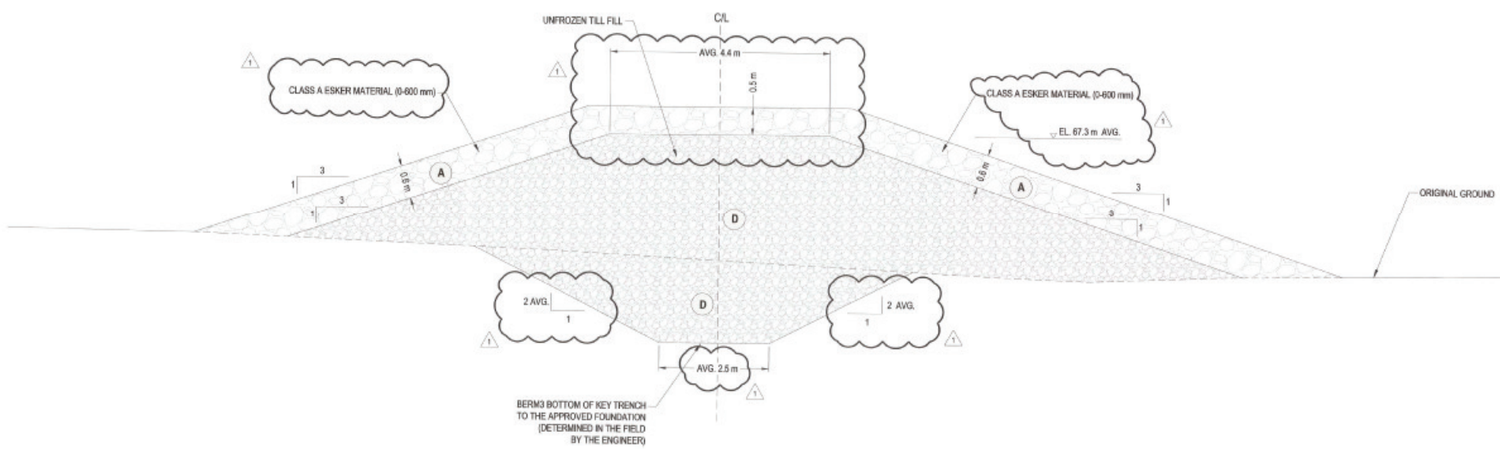
FORMAT ARCH D





Scale: 1:125 @ 24"x36"

BERM 3 DESIGN CROSS SECTIONS



BERM3 TYPICAL DESIGN CROSS SECTION

Scale: 1:50 @ 11"x17"

AS-BUILT IN-PLACE QUANTITIES FOR BERM3 CONSTRUCTION

ITEM	QUANTITIES	NOTES
TOTAL EXCAVATION	1,420 cu.m.	EXCAVATION IN UNFROZEN CONDITION
SELECTED UNFROZEN TILL FILL (TYPE D)	5,212 cu.m.	0-300 mm, NON-ORGANIC SANDY/GRAVELLY TILL WITH 20% TO 60% FINES (<0.075 mm)
CLASS A ESKER MATERIAL (TYPE A)	2,470 cu.m.	0-600 mm

PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017-12-06

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG.
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	ENG/DIV	APP.	CLIENT
1	2017-12-06	ISSUED FOR AS-BUILT	D.R.	J.A.	
0	2016-09-20	ISSUED FOR CONSTRUCTION	EL	GZ	
A	2016-09-15	ISSUED FOR REVIEW	DRD	GZ	

REVISIONS

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

REGISTERED PROFESSIONAL ENGINEER
J.M.L.P. ALAPINI
LICENSED
2017-12-04

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT
BERM3 TYPICAL AND DESIGN SECTIONS

DESSINÉ PAR DRAWN BY	DRD	DATE 2016-09-20
VERIFIÉ PAR CHECKED BY	GZ	2016-09-20
APPROUVÉ PAR APPROVED BY	KJ	2016-09-20
ÉCHELLE SCALE		DATE 2016-09-20
NO. DESSIN DRAWING NO.	65-695-230-216	
NO. PROJET PROJECT NO.	6515	REVISION 1 / FEUILLE / SHT 3 / 3

AE-CART-ARCH D

P:\18020\DESSIN\GX-MINA\DESSINS DE REFERENCE\Berm3\65-695-230-214-216_R1.dwg

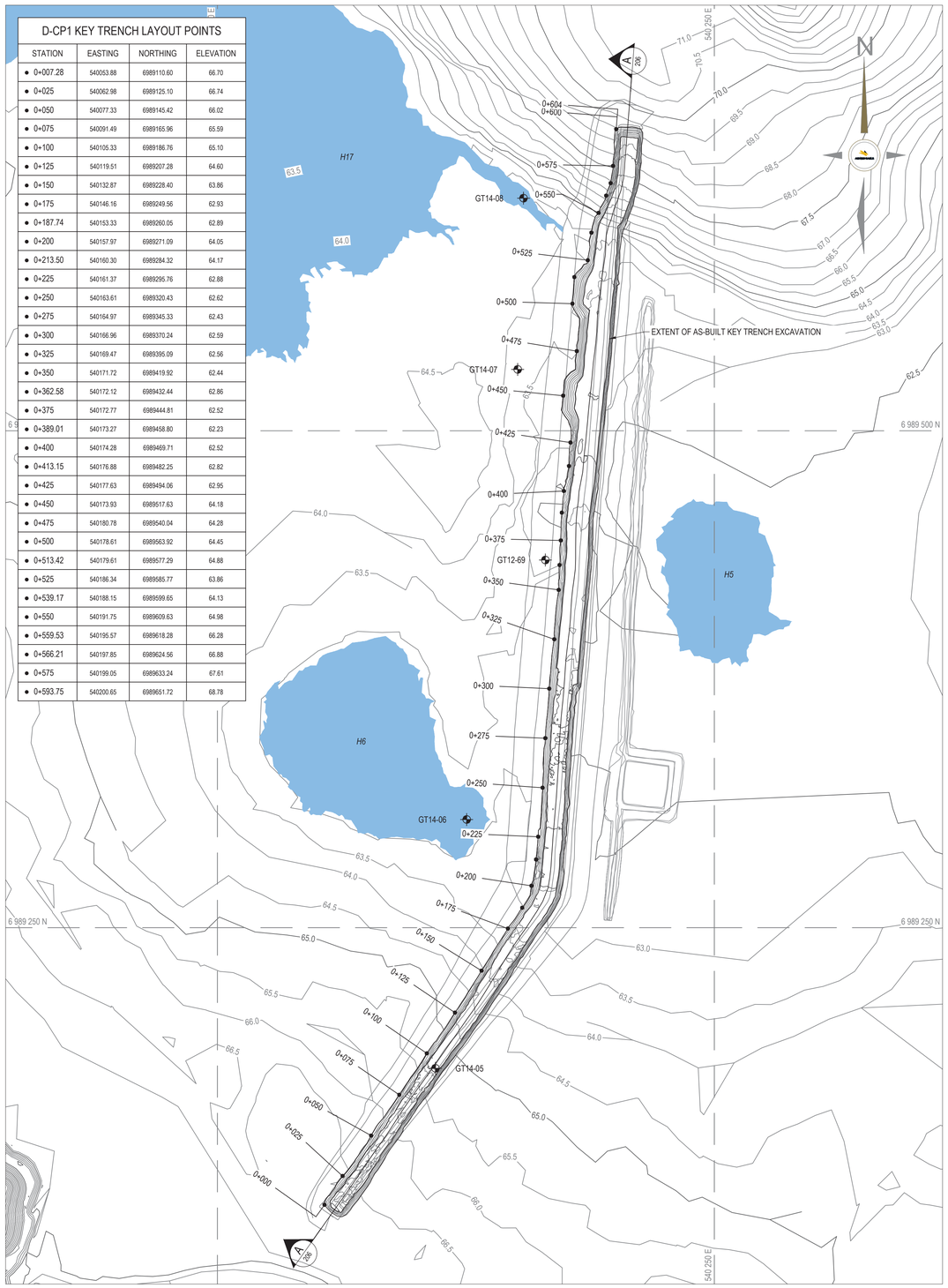
FILE NO. 65-695-230-214-216_R1.dwg

NO. DESSIN DRAWING NO. 65–685–230–205_R2

FORMAT ARCHD

D-CP1 KEY TRENCH LAYOUT POINTS

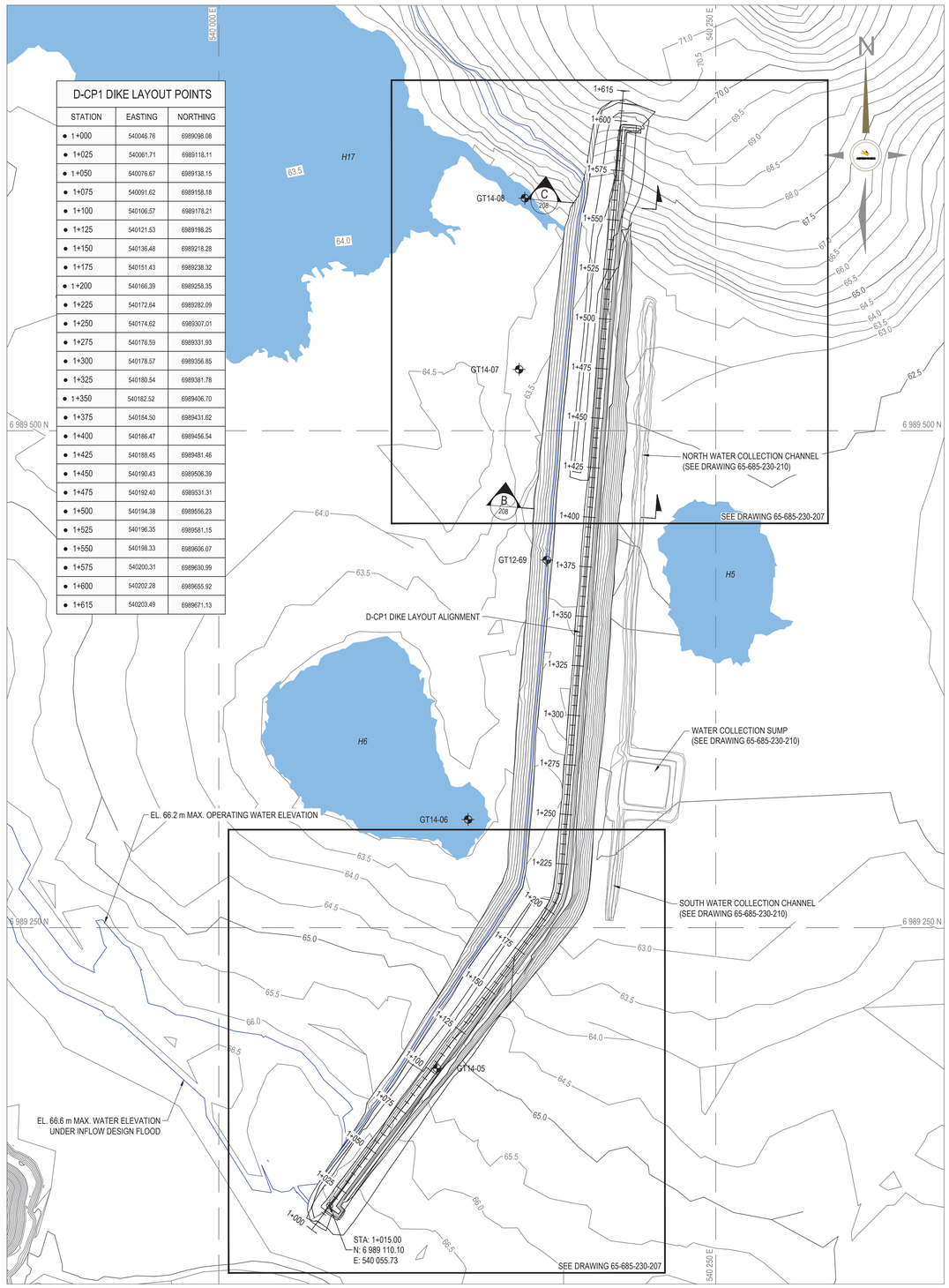
STATION	EASTING	NORTHING	ELEVATION
• 0+007.28	540053.88	6989110.60	66.70
• 0+025	540062.98	6989125.10	66.74
• 0+050	540077.33	6989145.42	66.02
• 0+075	540091.49	6989165.96	65.59
• 0+100	540105.33	6989186.76	65.10
• 0+125	540119.51	6989207.28	64.60
• 0+150	540132.87	6989228.40	63.86
• 0+175	540146.16	6989249.56	62.93
• 0+187.74	540153.33	6989260.05	62.89
• 0+200	540157.97	6989271.09	64.05
• 0+213.50	540160.30	6989284.32	64.17
• 0+225	540161.37	6989295.76	62.88
• 0+250	540163.61	6989320.43	62.62
• 0+275	540164.97	6989345.33	62.43
• 0+300	540166.96	6989370.24	62.59
• 0+325	540169.47	6989395.09	62.56
• 0+350	540171.72	6989419.92	62.44
• 0+362.58	540172.12	6989432.44	62.86
• 0+375	540172.77	6989444.81	62.52
• 0+389.01	540173.27	6989458.80	62.23
• 0+400	540174.28	6989469.71	62.52
• 0+413.15	540176.88	6989482.25	62.82
• 0+425	540177.63	6989494.06	62.95
• 0+450	540173.93	6989517.63	64.18
• 0+475	540180.78	6989540.04	64.28
• 0+500	540178.61	6989563.92	64.45
• 0+513.42	540179.61	6989577.29	64.88
• 0+525	540186.34	6989585.77	63.86
• 0+539.17	540188.15	6989599.65	64.13
• 0+550	540191.75	6989609.63	64.98
• 0+559.53	540195.57	6989618.28	66.28
• 0+566.21	540197.85	6989624.56	66.88
• 0+575	540199.05	6989633.24	67.61
• 0+593.75	540200.65	6989651.72	68.78



D–CP1 KEY TRENCH PLAN VIEW
SCALE: 1:1250

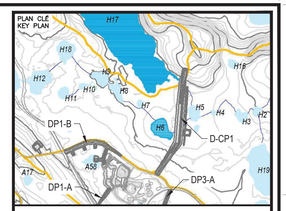
D-CP1 DIKE LAYOUT POINTS

STATION	EASTING	NORTHING
• 1+000	540046.76	6989098.08
• 1+025	540061.71	6989118.11
• 1+050	540076.67	6989138.15
• 1+075	540091.62	6989158.18
• 1+100	540106.57	6989178.21
• 1+125	540121.53	6989198.25
• 1+150	540136.48	6989218.28
• 1+175	540151.43	6989238.32
• 1+200	540166.39	6989258.35
• 1+225	540172.64	6989282.09
• 1+250	540174.62	6989307.01
• 1+275	540176.59	6989331.93
• 1+300	540178.57	6989356.85
• 1+325	540180.54	6989381.78
• 1+350	540182.52	6989406.70
• 1+375	540184.50	6989431.62
• 1+400	540186.47	6989456.54
• 1+425	540188.45	6989481.46
• 1+450	540190.43	6989506.39
• 1+475	540192.40	6989531.31
• 1+500	540194.38	6989556.23
• 1+525	540196.35	6989581.15
• 1+550	540198.33	6989606.07
• 1+575	540200.31	6989630.99
• 1+600	540202.28	6989655.92
• 1+615	540203.49	6989671.13



D–CP1 PLAN VIEW
SCALE: 1:1250

PLAN CLÉ
KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

LEGEND

BOREHOLE

0 50m
Scale: 1:1,250

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Oct 19, 2017
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017–10–19

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
2	2017–10–19	ISSUED FOR RECORD	WTH	NG	
1	2016–09–26	ISSUED FOR CONSTRUCTION	GZ	KJ	
0	2016–08–15	ISSUED FOR CONSTRUCTION	GZ	KJ	
B	2016–08–11	ISSUED FOR REVIEW	GZ	KJ	
A	2016–08–05	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. Oct 19 2017

REGISTERED PROFESSIONAL ENGINEER G. ZHANG LICENSEE NVT/NU Oct 19 2017

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

D–CP1 AS–BUILT
KEY TRENCH AND DIKE LAYOUT PLAN

DESSINÉ PAR DRAWN BY	EL	DATE 2017–10–06
VERIFIÉ PAR CHECKED BY	WTH	2017–10–06
APPROUVÉ PAR APPROVED BY	NG	2017–10–06
ÉCHELLE SCALE	1:1250	DATE 2017–10–06
NO. DESSIN DRAWING NO.	65–685–230–205	
NO. PROJET PROJECT NO. 6515	REVISION 2	FEUILLE / SHT 2 / 12

AE–CART–ARCH D

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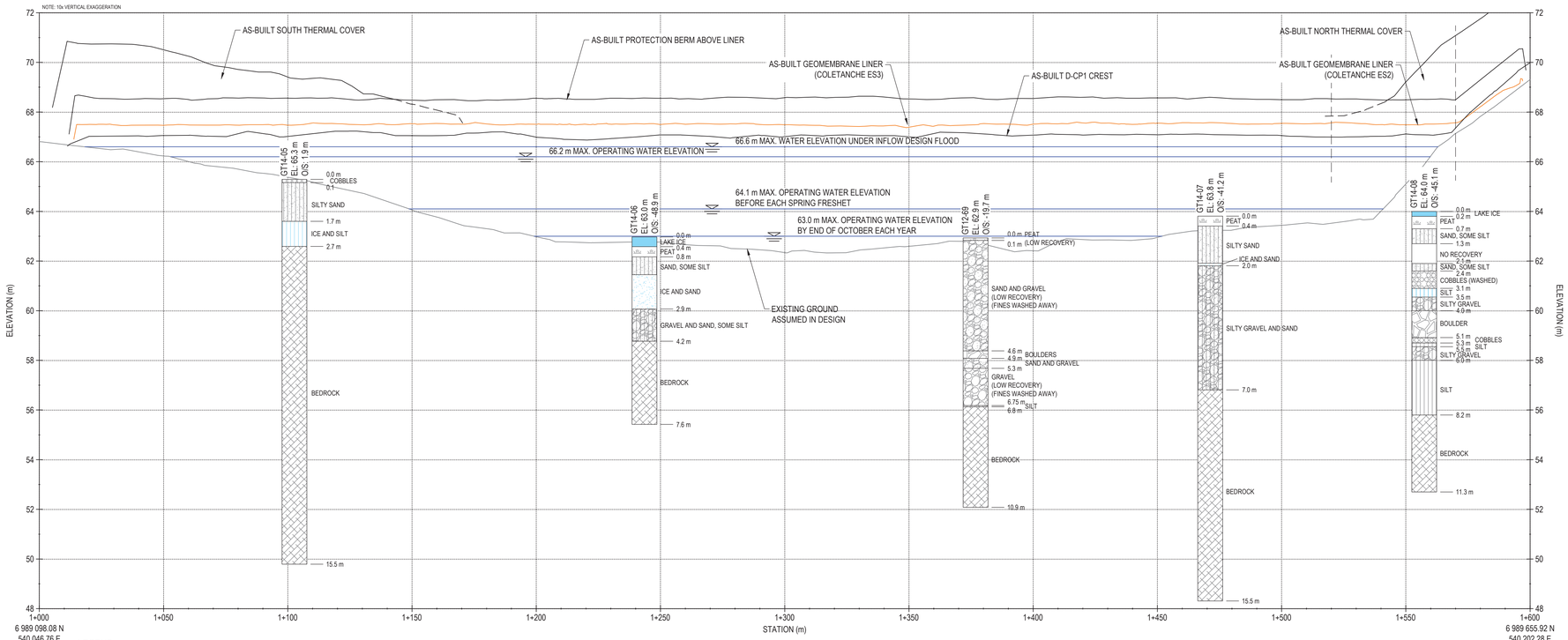
NO. DESSIN
DRAWING NO. 65–685–230–206_R2

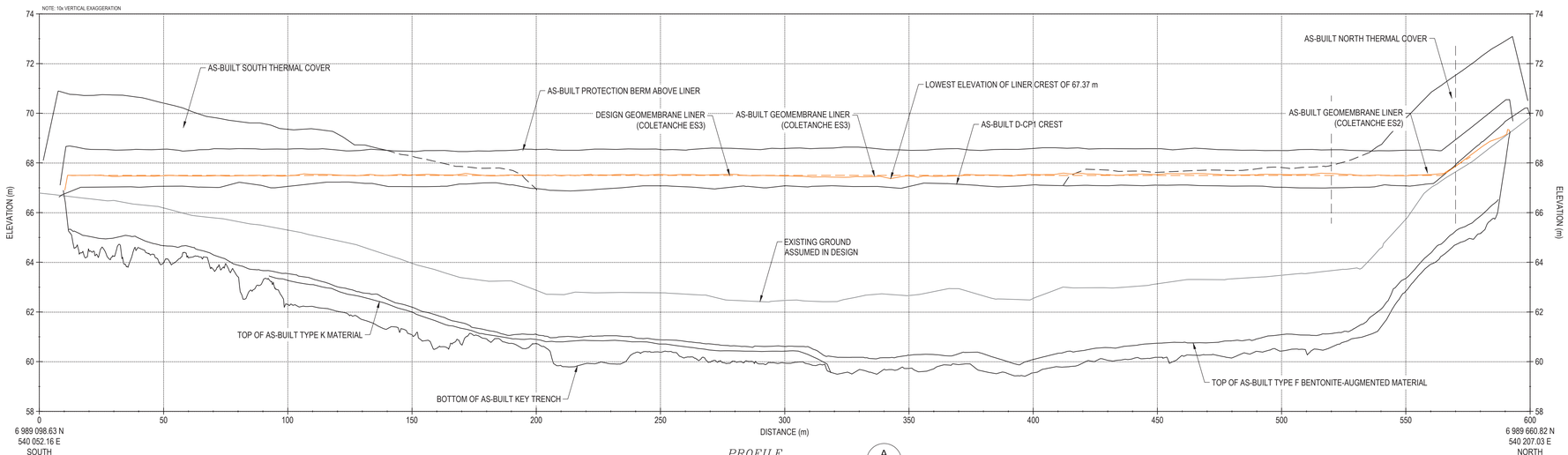
FORMAT ARCHD



LEGEND

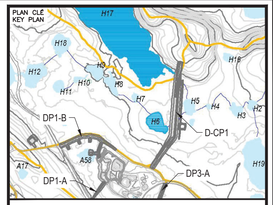
LAKE ICE
PEAT
SAND / ICE RICH SAND
GRAVEL AND SAND
GRAVEL
SILT / ICE RICH SILT
COBBLES
BOULDERS
BEDROCK
NO RECOVERY

D–CP1 PROFILE
SCALE: H–1:1000 V–1:100



PROFILE A 205
SCALE: H–1:1000 V–1:100

PLAN CLÉ
KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Oct 19, 2017
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017–10–19

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
2	2017–10–19	ISSUED FOR RECORD	WTH	NG	
1	2016–09–26	ISSUED FOR CONSTRUCTION	GZ	KJ	
0	2016–08–15	ISSUED FOR CONSTRUCTION	GZ	KJ	
B	2016–08–11	ISSUED FOR REVIEW	GZ	KJ	
A	2016–08–05	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. Oct 19, 2017
REGISTERED PROFESSIONAL ENGINEER G. ZHANG LICENSEE NWT/NU Oct 19, 2017

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

D–CP1 AS–BUILT
PROFILES

DESSINÉ PAR / DRAWN BY	EL	DATE 2017–10–06
VERIFIÉ PAR / CHECKED BY	WTH	2017–10–06
APPROUVÉ PAR / APPROVED BY	NG	2017–10–06
ÉCHELLE / SCALE	1:1000	DATE 2017–10–06
NO. DESSIN / DRAWING NO.	65–685–230–206	
NO. PROJET / PROJECT NO. 6515	REVISION 2	FEUILLE / SHT 3 / 12

AE–CART–ARCH D

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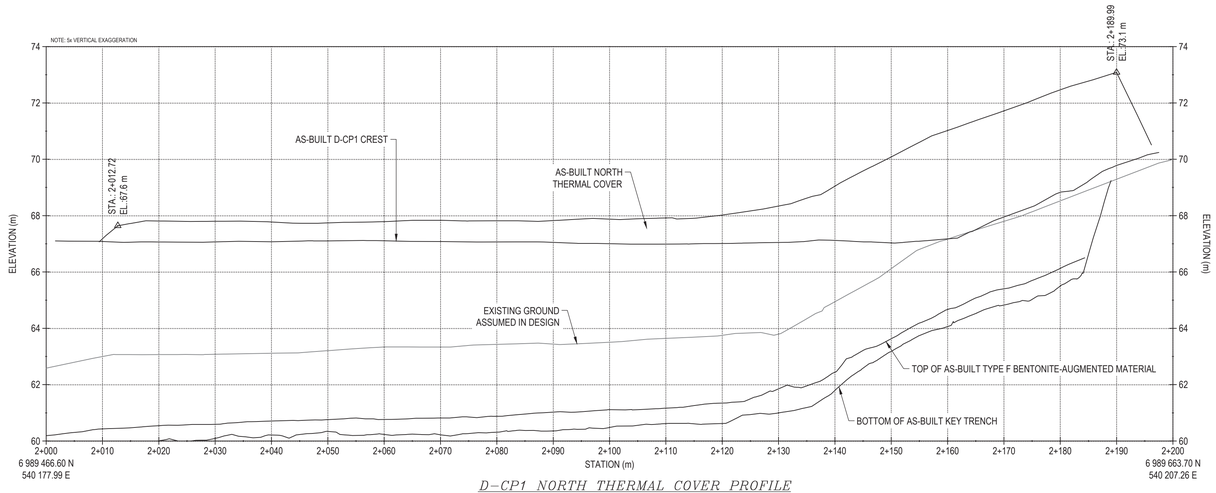
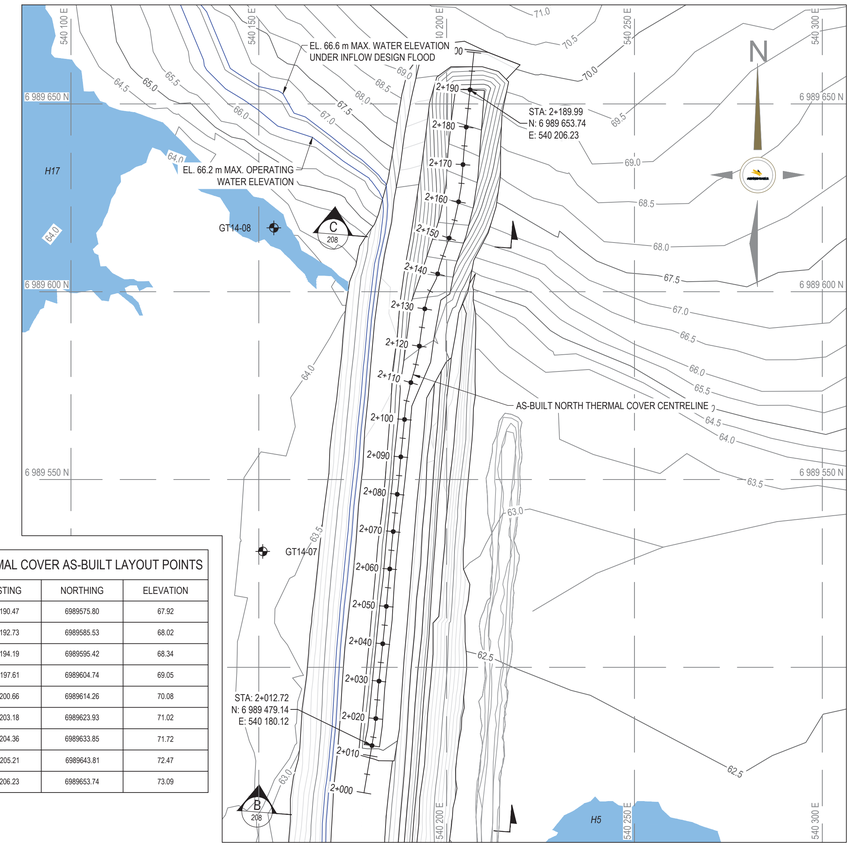
NO. DESSIN DRAWING NO. 65–685–230–207_R2

FORMAT ARCHD



D–CP1 NORTH THERMAL COVER PROFILE

SCALE: H–1:500 V–1:100



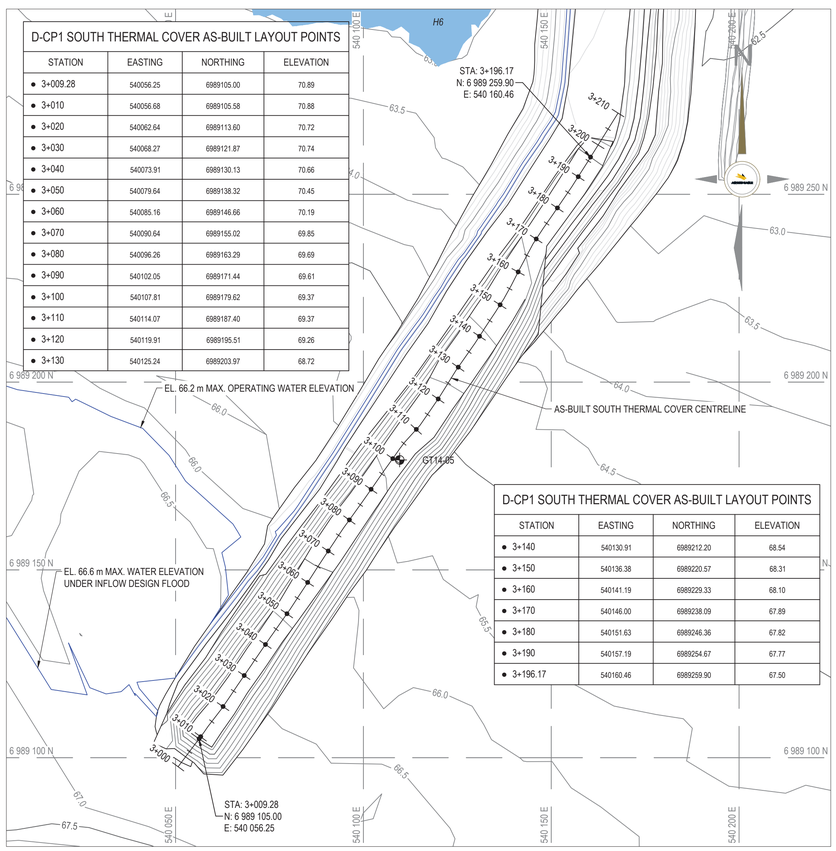
D–CP1 NORTH THERMAL COVER

SCALE: 1:750

D-CP1 NORTH THERMAL COVER AS-BUILT LAYOUT POINTS			
STATION	EASTING	NORTHING	ELEVATION
• 2+012.72	540180.12	6989479.14	67.64
• 2+020	540181.14	6989486.34	67.81
• 2+030	540181.99	6989496.31	67.80
• 2+040	540183.00	6989506.25	67.77
• 2+050	540183.95	6989516.21	67.74
• 2+060	540184.86	6989526.17	67.79
• 2+070	540185.78	6989536.12	67.84
• 2+080	540186.85	6989546.07	67.82
• 2+090	540187.81	6989556.02	67.82
• 2+100	540188.79	6989565.97	67.87

D-CP1 NORTH THERMAL COVER AS-BUILT LAYOUT POINTS			
STATION	EASTING	NORTHING	ELEVATION
• 2+110	540190.47	6989575.80	67.92
• 2+120	540192.73	6989585.53	68.02
• 2+130	540194.19	6989595.42	68.34
• 2+140	540197.61	6989604.74	69.05
• 2+150	540200.66	6989614.26	70.08
• 2+160	540203.18	6989623.93	71.02
• 2+170	540204.36	6989633.85	71.72
• 2+180	540205.21	6989643.81	72.47
• 2+189.99	540206.23	6989653.74	73.09

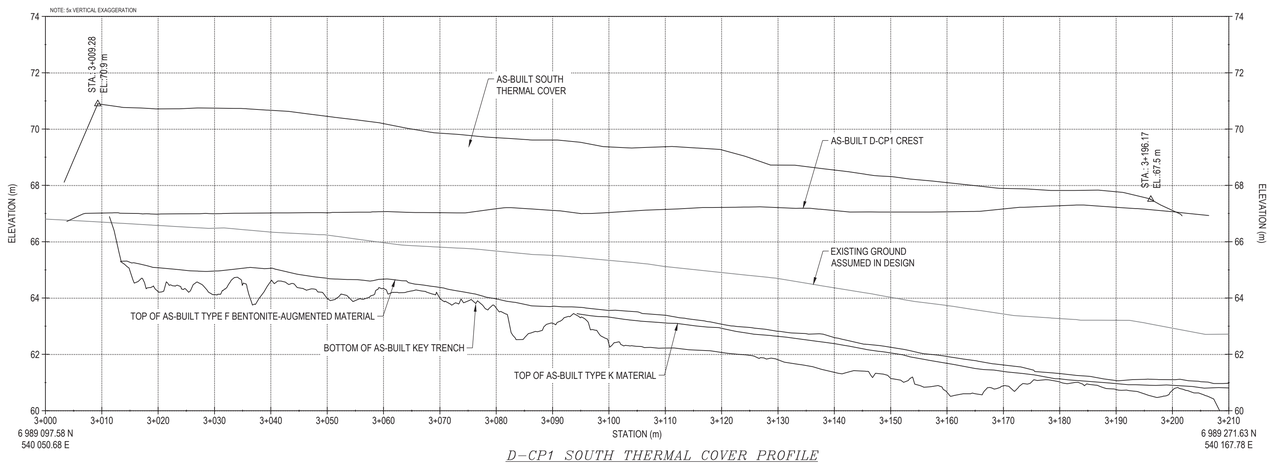
D-CP1 SOUTH THERMAL COVER AS-BUILT LAYOUT POINTS			
STATION	EASTING	NORTHING	ELEVATION
• 3+009.28	540056.25	6989105.00	70.89
• 3+010	540056.68	6989105.58	70.88
• 3+020	540062.64	6989113.60	70.72
• 3+030	540068.27	6989121.87	70.74
• 3+040	540073.91	6989130.13	70.66
• 3+050	540079.64	6989138.32	70.45
• 3+060	540085.16	6989146.66	70.19
• 3+070	540090.64	6989155.02	69.85
• 3+080	540096.26	6989163.29	69.69
• 3+090	540102.05	6989171.44	69.61
• 3+100	540107.81	6989179.62	69.37
• 3+110	540114.07	6989187.40	69.37
• 3+120	540119.91	6989195.51	69.26
• 3+130	540125.24	6989203.97	68.72



D–CP1 SOUTH THERMAL COVER

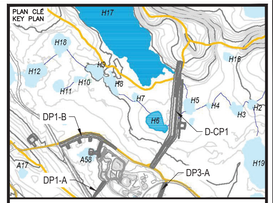
SCALE: 1:750

D-CP1 SOUTH THERMAL COVER AS-BUILT LAYOUT POINTS			
STATION	EASTING	NORTHING	ELEVATION
• 3+140	540130.91	6989212.20	68.54
• 3+150	540136.38	6989220.57	68.31
• 3+160	540141.19	6989229.33	68.10
• 3+170	540146.00	6989238.09	67.89
• 3+180	540151.63	6989246.36	67.82
• 3+190	540157.19	6989254.67	67.77
• 3+196.17	540160.46	6989259.90	67.50



D–CP1 SOUTH THERMAL COVER PROFILE

SCALE: H–1:500 V–1:100



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

LEGEND

BOREHOLE

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Oct 19, 2017
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017–10–19

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
2	2017–10–19	ISSUED FOR RECORD	WTH	NG	
1	2016–09–26	ISSUED FOR CONSTRUCTION	GZ	KJ	
0	2016–08–15	ISSUED FOR CONSTRUCTION	GZ	KJ	
B	2016–08–11	ISSUED FOR REVIEW	GZ	KJ	
A	2016–08–05	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. 2017

REGISTERED PROFESSIONAL ENGINEER G. ZHANG LICENSEE NWT/NU 2017

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

D–CP1 AS–BUILT THERMAL COVER
LAYOUT PLAN AND PROFILES

DESSINÉ PAR DRAWN BY	EL	DATE 2017–10–06
VERIFIÉ PAR CHECKED BY	WTH	2017–10–06
APPROUVÉ PAR APPROVED BY	NG	2017–10–06
ÉCHELLE SCALE	AS SHOWN	DATE 2017–10–06

NO. DESSIN DRAWING NO. 65–685–230–207

NO. PROJET PROJECT NO.	REVISION	FEUILLE / SHT
6515	2	4 / 12

AE–CART–ARCH D

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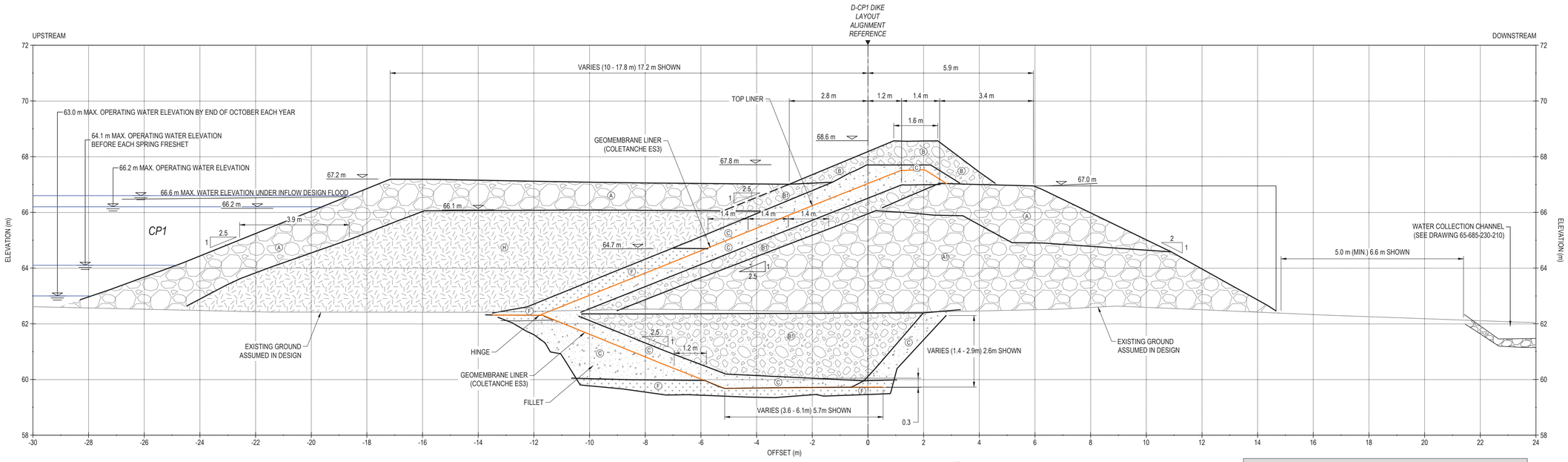
FILE NO. 65–685–230–207_R2.dwg

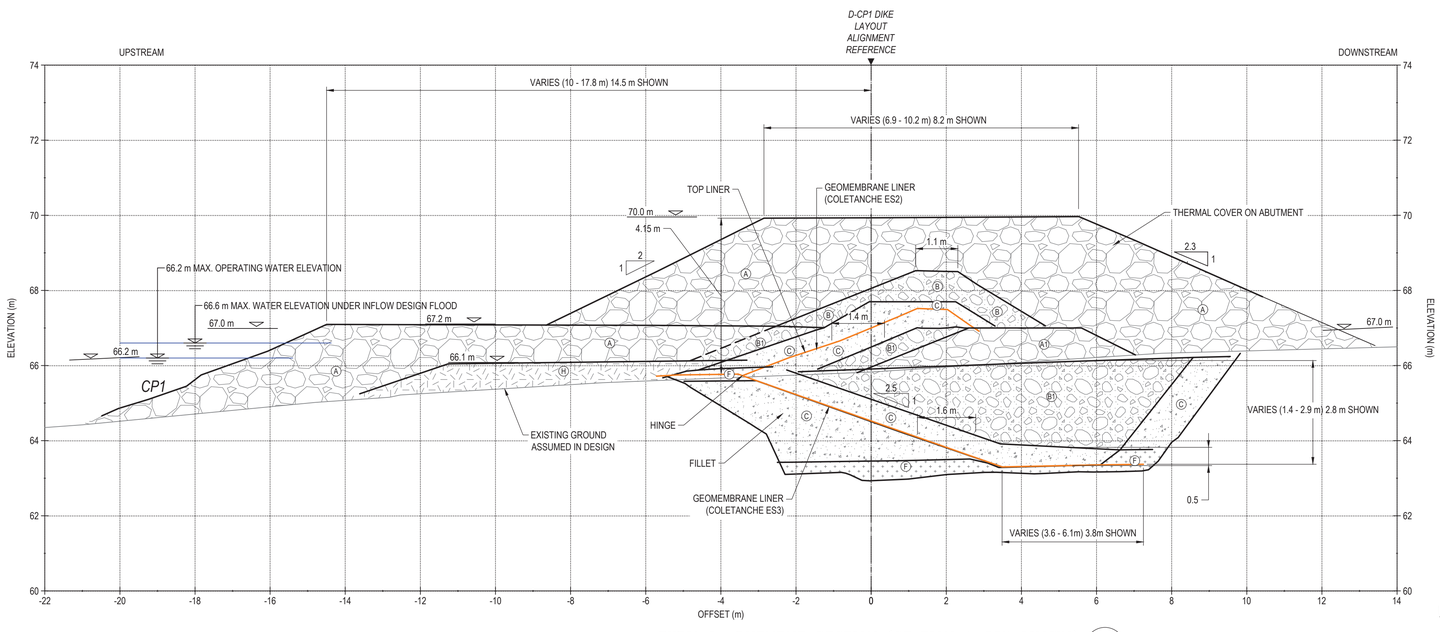
NO. DESSIN DRAWING NO. 65–685–230–208_R0

FORMAT ARCHD



TYPICAL SECTION (STATION 1+402 SHOWN) B 205

SCALE: 1:75



TYPICAL ABUTMENT SECTION (STATION 1+557 SHOWN) C 205

SCALE: 1:75

ESTIMATED IN-PLACE MATERIAL QUANTITIES FOR CONSTRUCTION OF D-CP1			
	ITEM	UNIT	AS-BUILT QUANTITY (a)
A	RUN-OF-MINE ROCKFILL (600 mm MINUS) IN DIKE UPSTREAM AND FOR THERMAL COVER	m³	24,896
A1	RUN-OF-MINE ROCKFILL (600 mm MINUS) IN DIKE DOWNSTREAM	m³	18,347
B	TRANSITION ROCKFILL (150 mm MINUS)	m³	2,690
B1	TRANSITION ROCKFILL (150 mm MINUS)	m³	10,274
C	GRANULAR FILL OR ESKER SAND (20 mm MINUS)	m³	12,930
F	BENTONITE-AUGMENTED MATERIAL	m³	4,256
H	ESKER SAND AND GRAVEL (75 mm MINUS)	m³	14,961
K	NEARLY-SATURATED BACKFILL (20 mm MINUS)	m³	1,127
	GEOMEMBRANE LINER (COLETANCHE ES3) (INCLUDING PORTION OF ES2)	m²	14,874
	KEY TRENCH EXCAVATION	m³	23,018

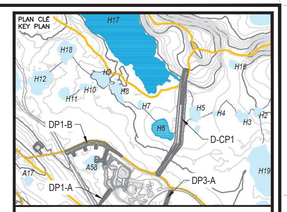
(a) MATERIAL QUANTITIES WERE BASED ON SURVEY DATA PROVIDED BY AGNICO EAGLE ON AUGUST 2017

NOTE

THE DESIGN MINIMUM LINER CREST ELEVATION WAS 67.50 m.

THE DESIGN MINIMUM LINER CREST ELEVATION IS 67.37 m.

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Oct 19, 2017
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

LEGEND

- (A) RUN-OF-MINE ROCKFILL (600 mm MINUS) IN DIKE UPSTREAM AND FOR THERMAL COVER
- (A1) RUN-OF-MINE ROCKFILL (600 mm MINUS) IN DIKE DOWNSTREAM
- (B) TRANSITION ROCKFILL (150 mm MINUS)
- (B1) TRANSITION ROCKFILL (150 mm MINUS)
- (C) GRANULAR FILL OR ESKER SAND (20 mm MINUS)
- (F) BENTONITE-AUGMENTED MATERIAL (MIXTURE OF BENTONITE AND TYPE C MATERIAL)
- (H) ESKER SAND AND GRAVEL (75 mm MINUS)
- (K) NEARLY-SATURATED BACKFILL (20 mm MINUS)

DASHED LINES REFER TO NO AS-BUILT DATA BUT ESTIMATED BASED ON FIELD VISUAL OBSERVATION

COLETANCHE ES2 LINER WAS USED FOR ABOVE ORIGINAL GROUND PORTION OF THE LINER FOR STATIONS 1+520 TO 1+570

TEL QUE CONSTRUIT AS BUILT
AGNICO EAGLE
DATE : 2017–10–19

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
2	2017–10–19	ISSUED FOR RECORD	WTH	NG	
1	2016–09–26	ISSUED FOR CONSTRUCTION	GZ	KJ	
0	2016–08–15	ISSUED FOR CONSTRUCTION	GZ	KJ	
B	2016–08–11	ISSUED FOR REVIEW	GZ	KJ	
A	2016–08–05	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. 14/10/17

REGISTERED PROFESSIONAL ENGINEER G. ZHANG LICENSEE N.W.T./NU 14/10/17

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

D–CP1 AS–BUILT
TYPICAL SECTIONS AND QUANTITIES

DESSINÉ PAR DRAWN BY	EL	DATE	2017–09–22
VERIFIÉ PAR CHECKED BY	WTH		2017–09–22
APPROUVÉ PAR APPROVED BY	NG		2017–09–22
ÉCHELLE SCALE	1:75	DATE	2017–09–22
NO. DESSIN DRAWING NO.	65–685–230–208		
NO. PROJET PROJECT NO.	6515	REVISION 2	FEUILLE / SHT 5 / 9

AE–CART–ARCH D

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FILE NO. 65–685–230–208_R0.dwg

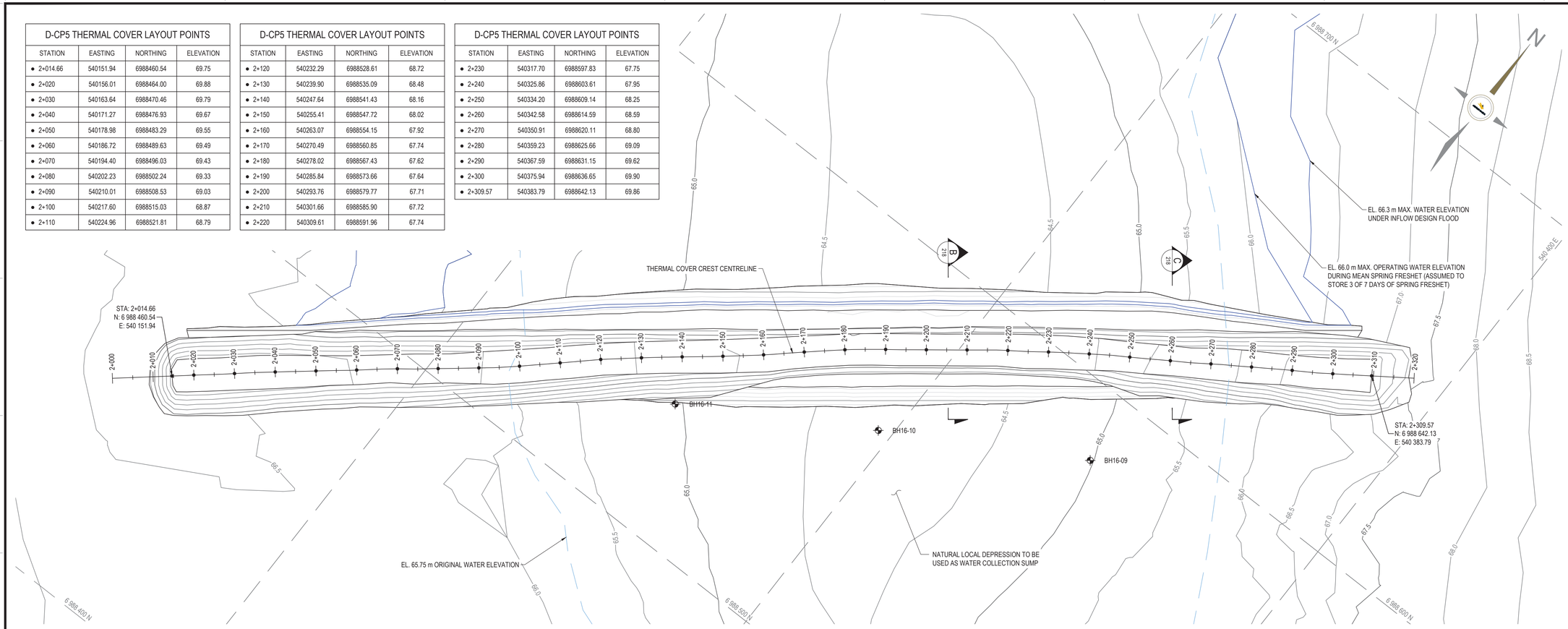
NO. DESSIN DRAWING NO. 65–685–230–217_R1

FORMAT ARCHD

D-CP5 THERMAL COVER LAYOUT POINTS			
STATION	EASTING	NORTHING	ELEVATION
• 2+014.66	540151.94	6988460.54	69.75
• 2+020	540156.01	6988464.00	69.88
• 2+030	540163.64	6988470.46	69.79
• 2+040	540171.27	6988476.93	69.67
• 2+050	540178.98	6988483.29	69.55
• 2+060	540186.72	6988489.63	69.49
• 2+070	540194.40	6988496.03	69.43
• 2+080	540202.23	6988502.24	69.33
• 2+090	540210.01	6988508.53	69.03
• 2+100	540217.60	6988515.03	68.87
• 2+110	540224.96	6988521.81	68.79

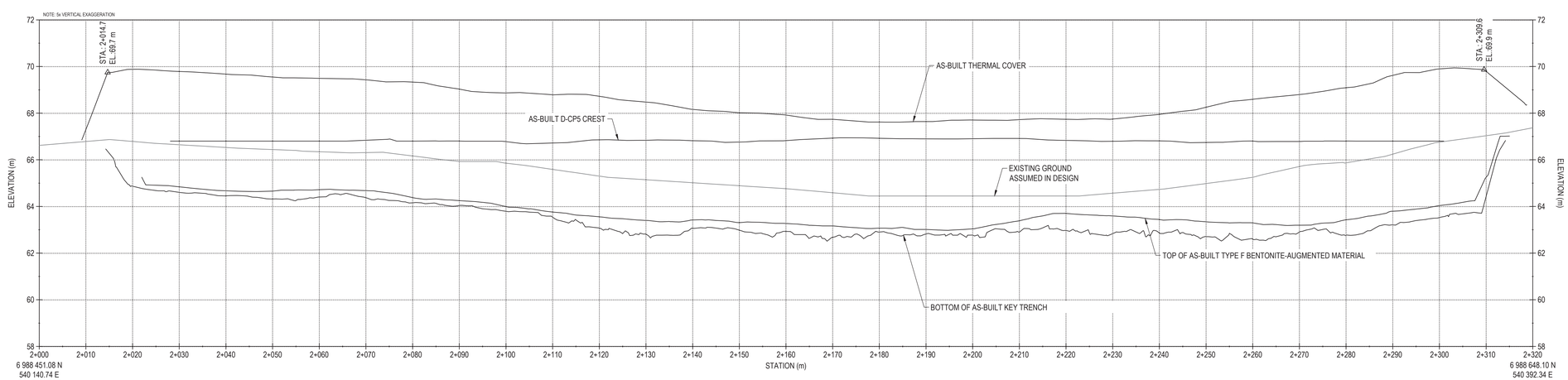
D-CP5 THERMAL COVER LAYOUT POINTS			
STATION	EASTING	NORTHING	ELEVATION
• 2+120	540232.29	6988528.61	68.72
• 2+130	540239.90	6988535.09	68.48
• 2+140	540247.64	6988541.43	68.16
• 2+150	540255.41	6988547.72	68.02
• 2+160	540263.07	6988554.15	67.92
• 2+170	540270.49	6988560.85	67.74
• 2+180	540278.02	6988567.43	67.62
• 2+190	540285.84	6988573.66	67.64
• 2+200	540293.76	6988579.77	67.71
• 2+210	540301.66	6988585.90	67.72
• 2+220	540309.61	6988591.96	67.74

D-CP5 THERMAL COVER LAYOUT POINTS			
STATION	EASTING	NORTHING	ELEVATION
• 2+230	540317.70	6988597.83	67.75
• 2+240	540325.86	6988603.61	67.95
• 2+250	540334.20	6988609.14	68.25
• 2+260	540342.58	6988614.59	68.59
• 2+270	540350.91	6988620.11	68.80
• 2+280	540359.23	6988625.66	69.09
• 2+290	540367.59	6988631.15	69.62
• 2+300	540375.94	6988636.65	69.90
• 2+309.57	540383.79	6988642.13	69.86



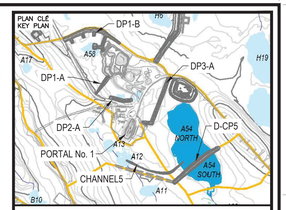
D–CP5 THERMAL COVER PLAN

SCALE: H–1:500



D–CP5 THERMAL COVER PROFILE

SCALE: H–1:500 V–1:100



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

LEGEND

BOREHOLE

0 25m

Scale: 1:500

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Oct 19, 2017
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017–10–19

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2017–10–19	ISSUED FOR RECORD	WTH	NG	
0	2016–08–15	ISSUED FOR CONSTRUCTION	GZ	KJ	
A	2016–08–10	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER W. T. HORNE LICENSEE N.W.T. Oct 19/17

REGISTERED PROFESSIONAL ENGINEER G. ZHANG LICENSEE NWT/NU Oct 19/17

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

D–CP5 AS–BUILT THERMAL COVER
LAYOUT PLAN AND PROFILES

DESSINÉ PAR DRAWN BY	EL	DATE 2016–08–15
VERIFIÉ PAR CHECKED BY	GZ	2016–08–15
APPROUVÉ PAR APPROVED BY	GZ	2016–08–15
ÉCHELLE SCALE	1:500	DATE 2016–08–15

NO. DESSIN DRAWING NO. 65–685–230–217

NO. PROJET PROJECT NO.	REVISION	FEUILLE / SHT
6515	1	4 / 9

AE–CART–ARCH D

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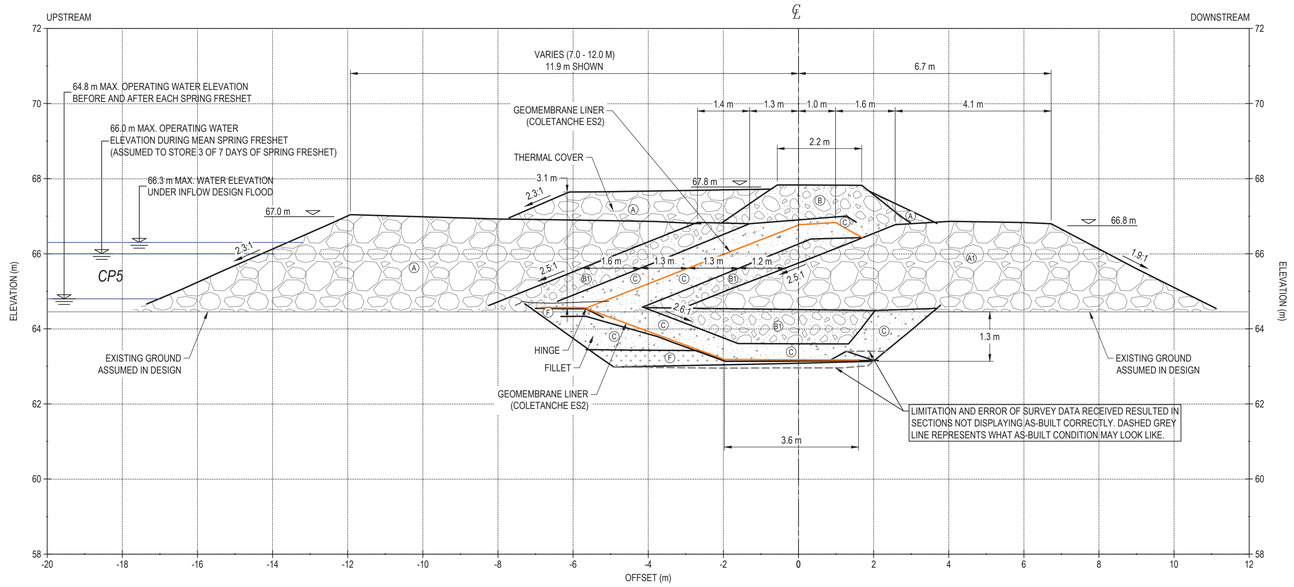
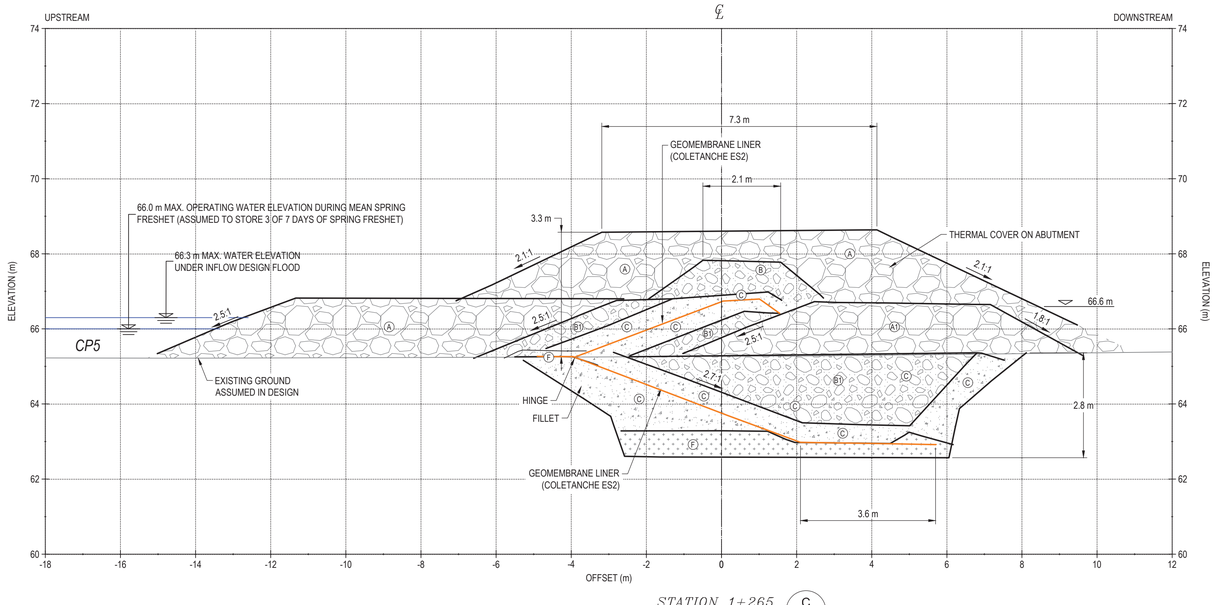
FILE NO. 65–685–230–217_R1.dwg

NO. DESSIN
DRAWING NO. 65–685–230–218_R1

FORMAT ARCHD



STATION 1+210 (B / 215)
SCALE: 1:75



STATION 1+265 (C / 215)
SCALE: 1:75

ESTIMATED IN-PLACE MATERIAL QUANTITIES FOR CONSTRUCTION OF D-CP5			
	ITEM	UNIT	AS-BUILT QUANTITY [a]
A	RUN-OF-MINE ROCKFILL (600 mm MINUS) IN DIKE UPSTREAM AND FOR THERMAL COVER	m³	10,029
A1	RUN-OF-MINE ROCKFILL (600 mm MINUS) IN DIKE DOWNSTREAM	m³	3,137
B/B1	TRANSITION ROCKFILL (150 mm MINUS)	m³	3,971
C	GRANULAR FILL OR ESKER SAND (20 mm MINUS)	m³	4,096
F	BENTONITE-AUGMENTED MATERIAL	m³	979
	GEOMEMBRANE LINER (COLETANCHE ES2)	m²	4437
	KEY TRENCH EXCAVATION	m³	5788

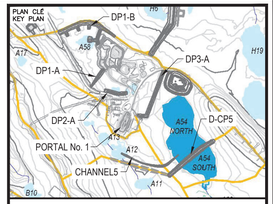
[a] MATERIAL QUANTITIES WERE BASED ON SURVEY DATA PROVIDED BY AGNICO EAGLE ON AUGUST 2017

NOTE

THE DESIGN MINIMUM LINER CREST ELEVATION WAS 66.80 m.

THE DESIGN MINIMUM LINER CREST ELEVATION IS 66.72 m.

PLAN CLÉ
KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Oct 19, 2017
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017–10–19

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2017–10–19	ISSUED FOR RECORD	WTH	NG	
0	2016–08–15	ISSUED FOR CONSTRUCTION	GZ	KJ	
A	2016–08–10	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER W. T. HORNE LICENSEE N.W.T. — REGISTERED PROFESSIONAL ENGINEER G. ZHANG LICENSEE NWT/NU

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

D–CP5 AS–BUILT
TYPICAL SECTIONS AND QUANTITIES

DESSINÉ PAR / DRAWN BY	EL	DATE 2016–08–15
VERIFIÉ PAR / CHECKED BY	GZ	2016–08–15
APPROUVÉ PAR / APPROVED BY	GZ	2016–08–15
ÉCHELLE / SCALE	1:75	DATE 2016–08–15
NO. DESSIN / DRAWING NO.	65–685–230–218	
NO. PROJET / PROJECT NO. 6515	REVISION 1	FEUILLE / SHT 5 / 9

AE–CART–ARCH D

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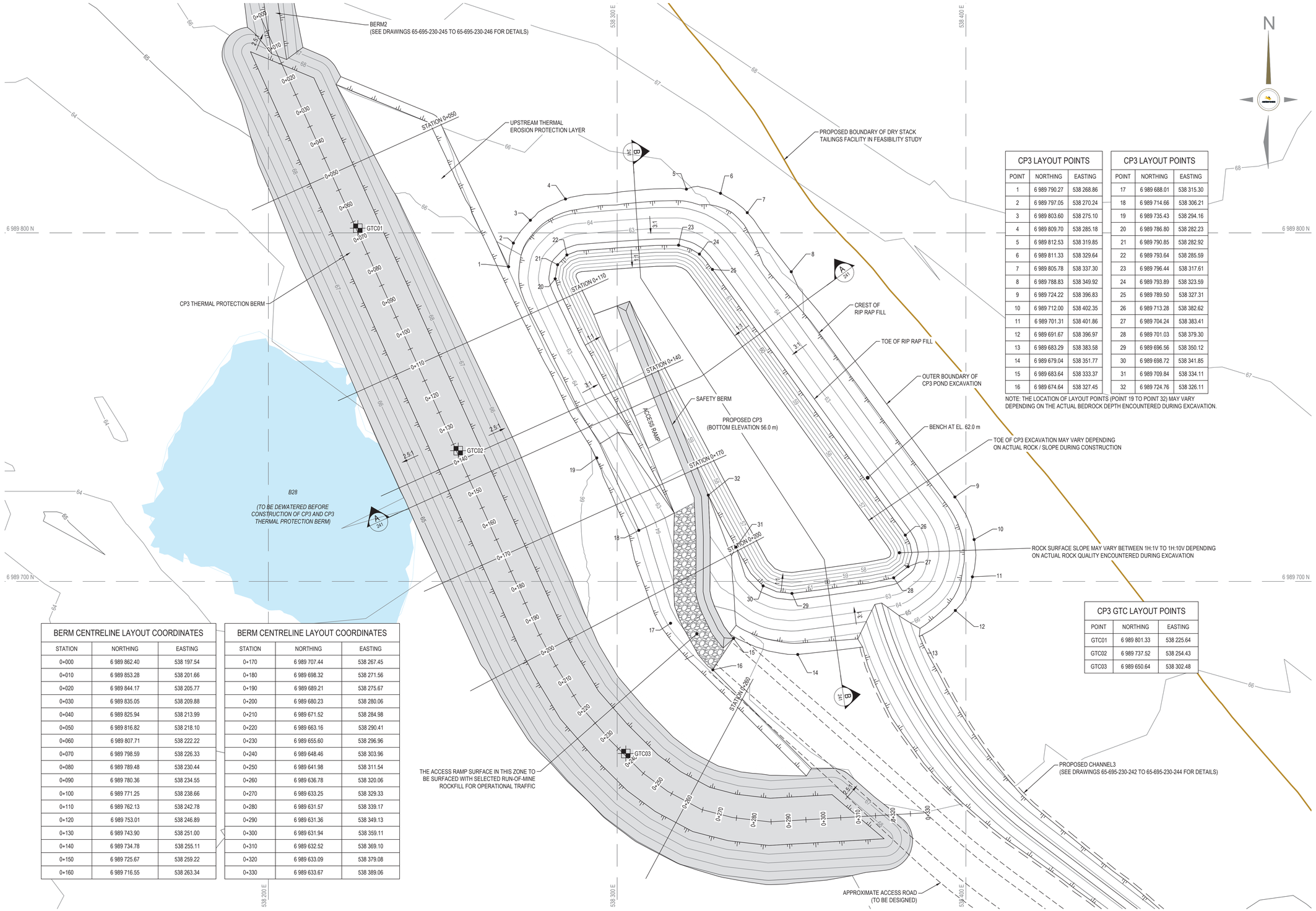
FILE NO. 65–685–230–218_R1.dwg

NO. DESSIN DRAWING NO. 65–695–230–238

FORMAT ARCHD



CP3 LAYOUT POINTS		
POINT	NORTHING	EASTING
1	6 989 790.27	538 268.86
2	6 989 797.05	538 270.24
3	6 989 803.60	538 275.10
4	6 989 809.70	538 285.18
5	6 989 812.53	538 319.85
6	6 989 811.33	538 329.64
7	6 989 805.78	538 337.30
8	6 989 788.83	538 349.92
9	6 989 724.22	538 396.83
10	6 989 712.00	538 402.35
11	6 989 701.31	538 401.86
12	6 989 691.67	538 396.97
13	6 989 683.29	538 383.58
14	6 989 679.04	538 351.77
15	6 989 683.64	538 333.37
16	6 989 674.64	538 327.45

CP3 LAYOUT POINTS		
POINT	NORTHING	EASTING
17	6 989 688.01	538 315.30
18	6 989 714.66	538 306.21
19	6 989 735.43	538 294.16
20	6 989 786.80	538 282.23
21	6 989 790.85	538 282.92
22	6 989 793.64	538 285.59
23	6 989 796.44	538 317.61
24	6 989 793.89	538 323.59
25	6 989 789.50	538 327.31
26	6 989 713.28	538 382.62
27	6 989 704.24	538 383.41
28	6 989 701.03	538 379.30
29	6 989 696.56	538 350.12
30	6 989 698.72	538 341.85
31	6 989 709.84	538 334.11
32	6 989 724.76	538 326.11

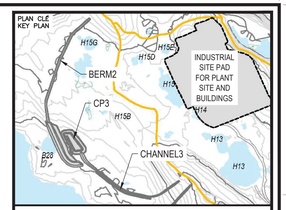
NOTE: THE LOCATION OF LAYOUT POINTS (POINT 19 TO POINT 32) MAY VARY DEPENDING ON THE ACTUAL BEDROCK DEPTH ENCOUNTERED DURING EXCAVATION.

CP3 GTC LAYOUT POINTS		
POINT	NORTHING	EASTING
GTC01	6 989 801.33	538 225.64
GTC02	6 989 737.52	538 254.43
GTC03	6 989 650.64	538 302.48

BERM CENTRELINE LAYOUT COORDINATES		
STATION	NORTHING	EASTING
0+000	6 989 862.40	538 197.54
0+010	6 989 853.28	538 201.66
0+020	6 989 844.17	538 205.77
0+030	6 989 835.05	538 209.88
0+040	6 989 825.94	538 213.99
0+050	6 989 816.82	538 218.10
0+060	6 989 807.71	538 222.22
0+070	6 989 798.59	538 226.33
0+080	6 989 789.48	538 230.44
0+090	6 989 780.36	538 234.55
0+100	6 989 771.25	538 238.66
0+110	6 989 762.13	538 242.78
0+120	6 989 753.01	538 246.89
0+130	6 989 743.90	538 251.00
0+140	6 989 734.78	538 255.11
0+150	6 989 725.67	538 259.22
0+160	6 989 716.55	538 263.34

BERM CENTRELINE LAYOUT COORDINATES		
STATION	NORTHING	EASTING
0+170	6 989 707.44	538 267.45
0+180	6 989 698.32	538 271.56
0+190	6 989 689.21	538 275.67
0+200	6 989 680.23	538 280.06
0+210	6 989 671.52	538 284.98
0+220	6 989 663.16	538 290.41
0+230	6 989 655.60	538 296.96
0+240	6 989 648.46	538 303.96
0+250	6 989 641.98	538 311.54
0+260	6 989 636.78	538 320.06
0+270	6 989 633.25	538 329.33
0+280	6 989 631.57	538 339.17
0+290	6 989 631.36	538 349.13
0+300	6 989 631.94	538 359.11
0+310	6 989 632.52	538 369.10
0+320	6 989 633.09	538 379.08
0+330	6 989 633.67	538 389.06

PLAN CLÉ KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. ASSUMED CONSTRUCTION SCHEDULE WINTER 2018 / 2019
2. ASSUMED OPERATION SCHEDULE STARTING TO STORE WATER FROM FRESHET OF 2019.
3. POND DESIGN CAPACITY IS BASED ON STORING 3 OUT OF 7 FRESHET WATER UNDER 1:100 WET YEAR CONDITION.
4. THE MAXIMUM ALLOWABLE OPERATING WATER LEVEL IS AT ELEVATION 63.0 m UNDER THE DESIGN IDF CONDITION.
5. MATERIAL PLACEMENT AND FOUNDATION PREPARATION SHOULD BE IN ACCORDANCE WITH THE REQUIREMENTS OF GEOTECHNICAL CONSTRUCTION / MATERIAL SPECIFICATIONS (TETRA TECH 2018).

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date June 21, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2018–06–21

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2018–06–21	ISSUED FOR CONSTRUCTION	HX	WTH	
A	2018–05–29	ISSUED FOR REVIEW	HX	WTH	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER H. XIA LICENSEE NWT NUNAVUT June 21 2018

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE NWT NUNAVUT June 21 2018

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

CP3 AND CP3 THERMAL PROTECTION BERM LAYOUT PLAN

DESSINÉ PAR DRAWN BY	EL	DATE 2018–06–21
VERIFIÉ PAR CHECKED BY	HX	2018–06–21
APPROUVÉ PAR APPROVED BY	WTH	2018–06–21
ÉCHELLE SCALE	1:500	DATE 2018–06–21
NO. DESSIN DRAWING NO.	65–695–230–238	
NO. PROJET PROJECT NO.	6515	REVISION 0 / FEUILLE / SHT 1 / 13

AE–CART–ARCH D

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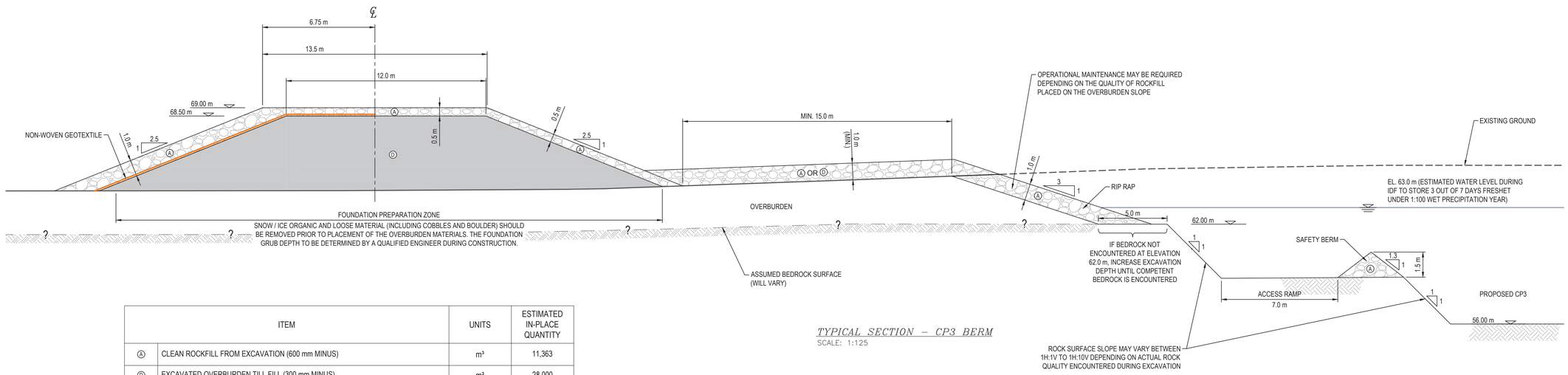
FILE NO. 65–695–230–238.dwg

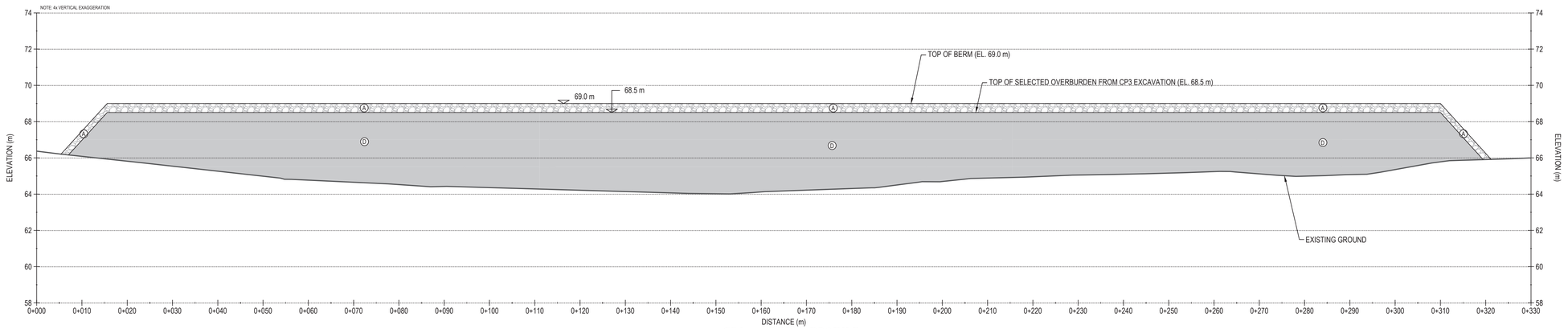
NO. DESSIN DRAWING NO. 65–695–230–239

FORMAT ARCHD



TYPICAL SECTION – CP3 BERM
SCALE: 1:125

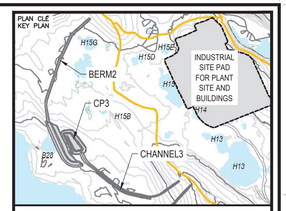
	ITEM	UNITS	ESTIMATED IN-PLACE QUANTITY
Ⓐ	CLEAN ROCKFILL FROM EXCAVATION (600 mm MINUS)	m³	11,363
Ⓓ	EXCAVATED OVERBURDEN TILL FILL (300 mm MINUS)	m³	28,000
	NON-WOVEN GEOTEXTILE	m²	5,250
	TOTAL CP3 EXCAVATION VOLUME (CONSIDERING 25% BULK FACTOR)	m³	70,112
	ESTIMATED OVERBURDEN EXCAVATION VOLUME (CONSIDERING 25% BULK FACTOR)	m³	28,687
	ESTIMATED ROCK EXCAVATION VOLUME (CONSIDERING 25% BULK FACTOR)	m³	41,425



CP3 – BERM PROFILE
SCALE: H–1:500 V–1:125

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2018–06–21

PLAN CLÉ KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. ASSUMED CONSTRUCTION SCHEDULE WINTER 2018 / 2019
2. ASSUMED OPERATION SCHEDULE STARTING TO STORE WATER FROM FRESHET OF 2019.
3. POND DESIGN CAPACITY IS BASED ON STORING 3 OUT OF 7 FRESHET WATER UNDER 1:100 WET YEAR CONDITION.
4. THE MAXIMUM ALLOWABLE OPERATING WATER LEVEL IS AT ELEVATION 63.0 m UNDER THE DESIGN IDF CONDITION.
5. MATERIAL PLACEMENT AND FOUNDATION PREPARATION SHOULD BE IN ACCORDANCE WITH THE REQUIREMENTS OF GEOTECHNICAL CONSTRUCTION / MATERIAL SPECIFICATIONS (TETRA TECH 2018).

LEGEND

Ⓐ CLEAN ROCKFILL FROM EXCAVATION (600 mm MINUS)
Ⓓ OVERBURDEN FROM EXCAVATION (300 mm MINUS)

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date June 21, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2018–06–21	ISSUED FOR CONSTRUCTION	HX	WTH	
A	2018–05–29	ISSUED FOR REVIEW	HX	WTH	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER H. JIA LICENSEE NT/NU 2018

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. 2018

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

CP3 TYPICAL SECTION AND
CP3 THERMAL PROTECTION BERM PROFILE

DESSINÉ PAR DRAWN BY	EL	DATE 2018–06–21
VERIFIÉ PAR CHECKED BY	HX	2018–06–21
APPROUVÉ PAR APPROVED BY	WTH	2018–06–21
ÉCHELLE SCALE	AS SHOWN	DATE 2018–06–21
NO. DESSIN DRAWING NO.	65–695–230–239	
NO. PROJET PROJECT NO.	6515	REVISION 0 / FEUILLE / SHT 2 / 13

AE–CART–ARCH D

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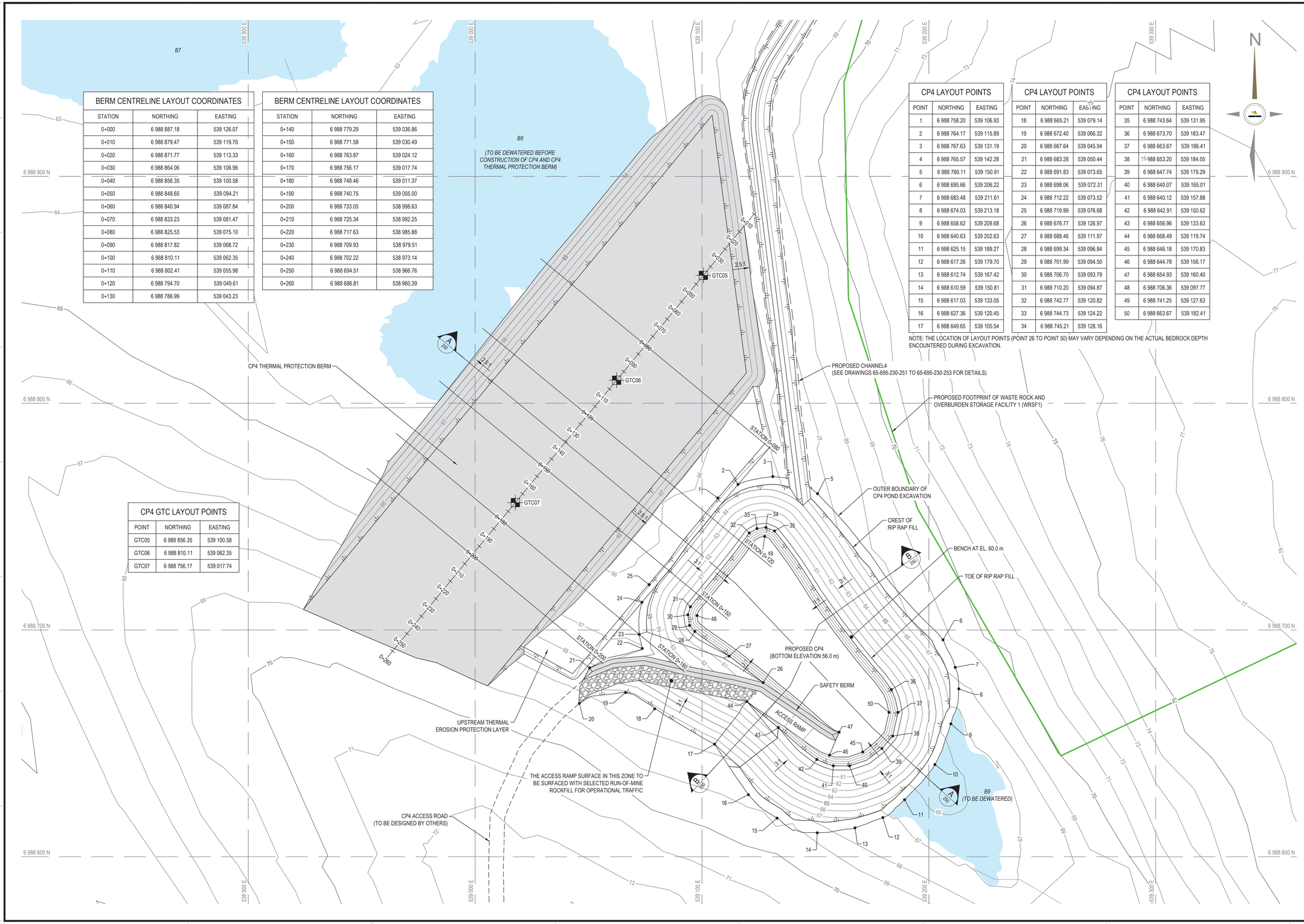
FILE NO. 65–695–230–239.dwg

NO. DESSIN DRAWING NO. 65–695–230–247

FORMAT ARCHD



BERM CENTRELINE LAYOUT COORDINATES		
STATION	NORTHING	EASTING
0+000	6 988 887.18	539 126.07
0+010	6 988 879.47	539 119.70
0+020	6 988 871.77	539 113.33
0+030	6 988 864.06	539 106.96
0+040	6 988 856.35	539 100.58
0+050	6 988 848.65	539 094.21
0+060	6 988 840.94	539 087.84
0+070	6 988 833.23	539 081.47
0+080	6 988 825.53	539 075.10
0+090	6 988 817.82	539 068.72
0+100	6 988 810.11	539 062.35
0+110	6 988 802.41	539 055.98
0+120	6 988 794.70	539 049.61
0+130	6 988 786.99	539 043.23

BERM CENTRELINE LAYOUT COORDINATES		
STATION	NORTHING	EASTING
0+140	6 988 779.29	539 036.86
0+150	6 988 771.58	539 030.49
0+160	6 988 763.87	539 024.12
0+170	6 988 756.17	539 017.74
0+180	6 988 748.46	539 011.37
0+190	6 988 740.75	539 005.00
0+200	6 988 733.05	538 998.63
0+210	6 988 725.34	538 992.25
0+220	6 988 717.63	538 985.88
0+230	6 988 709.93	538 979.51
0+240	6 988 702.22	538 973.14
0+250	6 988 694.51	538 966.76
0+260	6 988 686.81	538 960.39

CP4 GTC LAYOUT POINTS		
POINT	NORTHING	EASTING
GTC05	6 988 856.35	539 100.58
GTC06	6 988 810.11	539 062.35
GTC07	6 988 756.17	539 017.74

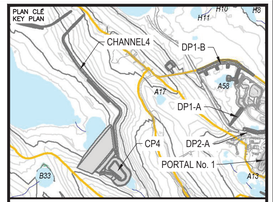
CP4 LAYOUT POINTS		
POINT	NORTHING	EASTING
1	6 988 758.20	539 106.93
2	6 988 764.17	539 115.89
3	6 988 767.63	539 131.19
4	6 988 765.57	539 142.28
5	6 988 760.11	539 150.91
6	6 988 695.66	539 206.22
7	6 988 683.48	539 211.61
8	6 988 674.03	539 213.18
9	6 988 658.62	539 209.68
10	6 988 640.63	539 202.63
11	6 988 625.15	539 189.27
12	6 988 617.26	539 179.70
13	6 988 612.74	539 167.42
14	6 988 610.59	539 150.81
15	6 988 617.03	539 133.05
16	6 988 627.36	539 120.45
17	6 988 649.65	539 105.54

CP4 LAYOUT POINTS		
POINT	NORTHING	EASTING
18	6 988 665.21	539 079.14
19	6 988 672.40	539 066.32
20	6 988 667.64	539 045.94
21	6 988 683.28	539 050.44
22	6 988 691.83	539 073.65
23	6 988 698.06	539 072.31
24	6 988 712.22	539 073.52
25	6 988 719.99	539 076.68
26	6 988 676.77	539 126.97
27	6 988 688.46	539 111.97
28	6 988 699.34	539 096.84
29	6 988 701.99	539 094.50
30	6 988 706.70	539 093.79
31	6 988 710.20	539 094.87
32	6 988 742.77	539 120.82
33	6 988 744.73	539 124.22
34	6 988 745.21	539 128.16

CP4 LAYOUT POINTS		
POINT	NORTHING	EASTING
35	6 988 743.64	539 131.95
36	6 988 673.70	539 183.47
37	6 988 663.67	539 186.41
38	6 988 653.20	539 184.05
39	6 988 647.74	539 179.29
40	6 988 640.07	539 165.01
41	6 988 640.12	539 157.88
42	6 988 642.91	539 150.62
43	6 988 656.96	539 133.63
44	6 988 668.49	539 119.74
45	6 988 646.18	539 170.83
46	6 988 644.78	539 156.17
47	6 988 654.93	539 160.40
48	6 988 706.36	539 097.77
49	6 988 741.25	539 127.63
50	6 988 663.67	539 182.41

NOTE: THE LOCATION OF LAYOUT POINTS (POINT 26 TO POINT 50) MAY VARY DEPENDING ON THE ACTUAL BEDROCK DEPTH ENCOUNTERED DURING EXCAVATION.

PLAN CLÉ KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. ASSUMED CONSTRUCTION SCHEDULE WINTER 2018 / 2019
2. ASSUMED OPERATION SCHEDULE STARTING TO STORE WATER FROM FRESHET OF 2019.
3. POND DESIGN CAPACITY IS BASED ON STORING 3 OUT OF 7 FRESHET WATER UNDER 1:100 WET YEAR CONDITION.
4. THE MAXIMUM ALLOWABLE OPERATING WATER LEVEL IS AT ELEVATION 63.0 m UNDER THE DESIGN IDF CONDITION.
5. MATERIAL PLACEMENT AND FOUNDATION PREPARATION SHOULD BE IN ACCORDANCE WITH THE REQUIREMENTS OF GEOTECHNICAL CONSTRUCTION / MATERIAL SPECIFICATIONS (TETRA TECH 2018).

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date June 21, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2018–06–21

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2018–06–21	ISSUED FOR CONSTRUCTION	HX	WTH	
A	2018–05–29	ISSUED FOR REVIEW	HX	WTH	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER N.W.T. LICENSEE NT/NU 2018

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. June 21 2018

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

CP4 AND CP4 THERMAL PROTECTION BERM LAYOUT PLAN

DESSINÉ PAR DRAWN BY	EL	DATE 2018–06–21
VERIFIÉ PAR CHECKED BY	HX	2018–06–21
APPROUVÉ PAR APPROVED BY	WTH	2018–06–21
ÉCHELLE SCALE	1:750	DATE 2018–06–21
NO. DESSIN DRAWING NO.	65–695–230–247	
NO. PROJET PROJECT NO.	6515	REVISION 0 / FEUILLE / SHT 1 / 9

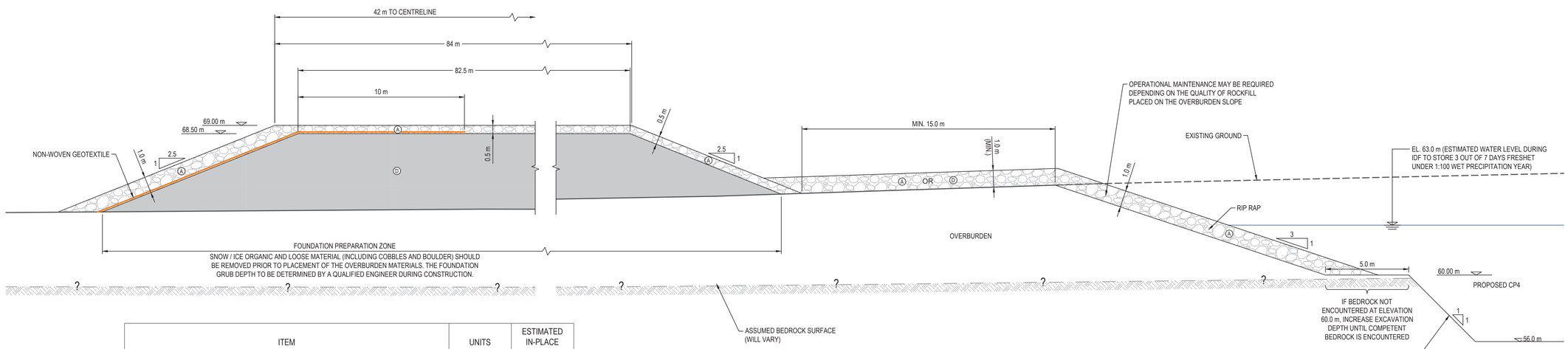
AE–CART–ARCH D

Q:\Edmonton\Engineering\E141\Projects_MELIADINE\CP3_CP4 Detailed Design\CP4\65–695–230–247.dwg–2013–02–19 14:03:29

FILE NO. 65–695–230–247.dwg

NO. DESSIN DRAWING NO. 65-695-230-248

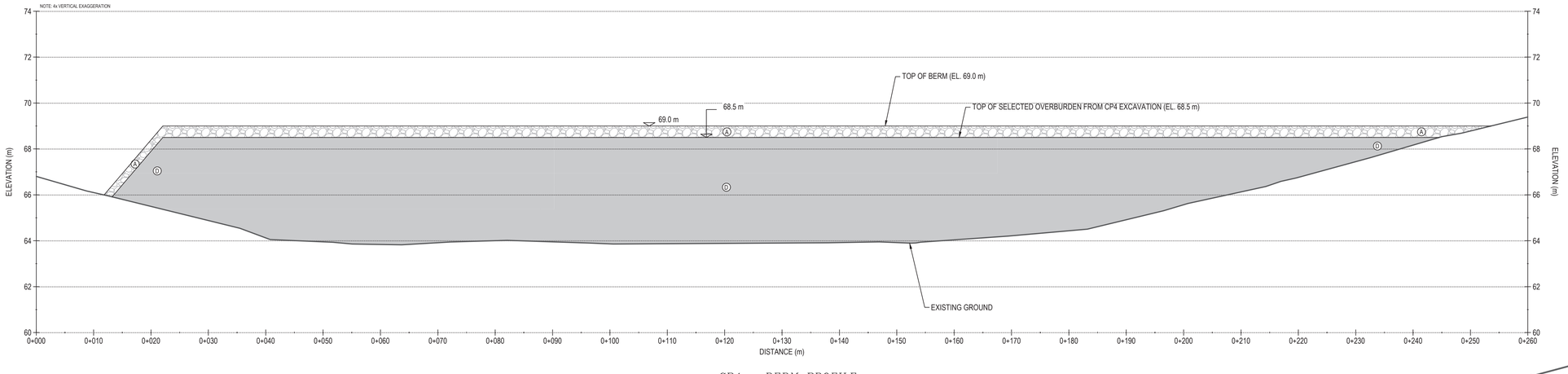
FORMAT ARCHD



TYPICAL SECTION – CP4 BERM

SCALE: 1:125

	ITEM	UNITS	ESTIMATED IN-PLACE QUANTITY
Ⓐ	CLEAN ROCKFILL FROM EXCAVATION (600 mm MINUS)	m³	21,380
Ⓓ	EXCAVATED OVERBURDEN TILL FILL (300 mm MINUS)	m³	81,270
	NON-WOVEN GEOTEXTILE	m²	5,900
	TOTAL CP4 EXCAVATION VOLUME (CONSIDERING 25% BULK FACTOR)	m³	103,143
	ESTIMATED OVERBURDEN EXCAVATION VOLUME (CONSIDERING 25% BULK FACTOR)	m³	81,643
	ESTIMATED ROCK EXCAVATION VOLUME (CONSIDERING 25% BULK FACTOR)	m³	21,500

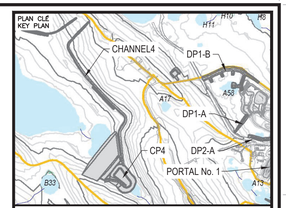


CP4 – BERM PROFILE

SCALE: H-1:400 V-1:100

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2018-06-21

PLAN CLÉ KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. ASSUMED CONSTRUCTION SCHEDULE WINTER 2018 / 2019
2. ASSUMED OPERATION SCHEDULE STARTING TO STORE WATER FROM FRESHET OF 2019.
3. POND DESIGN CAPACITY IS BASED ON STORING 3 OUT OF 7 FRESHET WATER UNDER 1:100 WET YEAR CONDITION.
4. THE MAXIMUM ALLOWABLE OPERATING WATER LEVEL IS AT ELEVATION 63.0 m UNDER THE DESIGN IDF CONDITION.
5. MATERIAL PLACEMENT AND FOUNDATION PREPARATION SHOULD BE IN ACCORDANCE WITH THE REQUIREMENTS OF GEOTECHNICAL CONSTRUCTION / MATERIAL SPECIFICATIONS (TETRA TECH 2018).

LEGEND

Ⓐ CLEAN ROCKFILL FROM EXCAVATION (600 mm MINUS)

Ⓓ OVERBURDEN FROM EXCAVATION (300 mm MINUS)

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date June 21, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2018-06-21	ISSUED FOR CONSTRUCTION	HX	WTH	
A	2018-05-29	ISSUED FOR REVIEW	HX	WTH	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER H. JIA LICENSEE NT/NU 2018

REGISTERED PROFESSIONAL ENGINEER W.T. HORNE LICENSEE N.W.T. 2018

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

CP4 TYPICAL SECTION AND
CP4 THERMAL PROTECTION BERM PROFILE

DESSINÉ PAR DRAWN BY	EL	DATE 2018-06-21
VERIFIÉ PAR CHECKED BY	HX	2018-06-21
APPROUVÉ PAR APPROVED BY	WTH	2018-06-21
ÉCHELLE SCALE	AS SHOWN	DATE 2018-06-21
NO. DESSIN DRAWING NO.	65-695-230-248	
NO. PROJET PROJECT NO.	6515	REVISION 0 / FEUILLE / SHT 2 / 9

AE-CART-ARCH D

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FILE NO. 65-695-230-248.dwg

NO. DESSIN
DRAWING NO. 65–695–230–223

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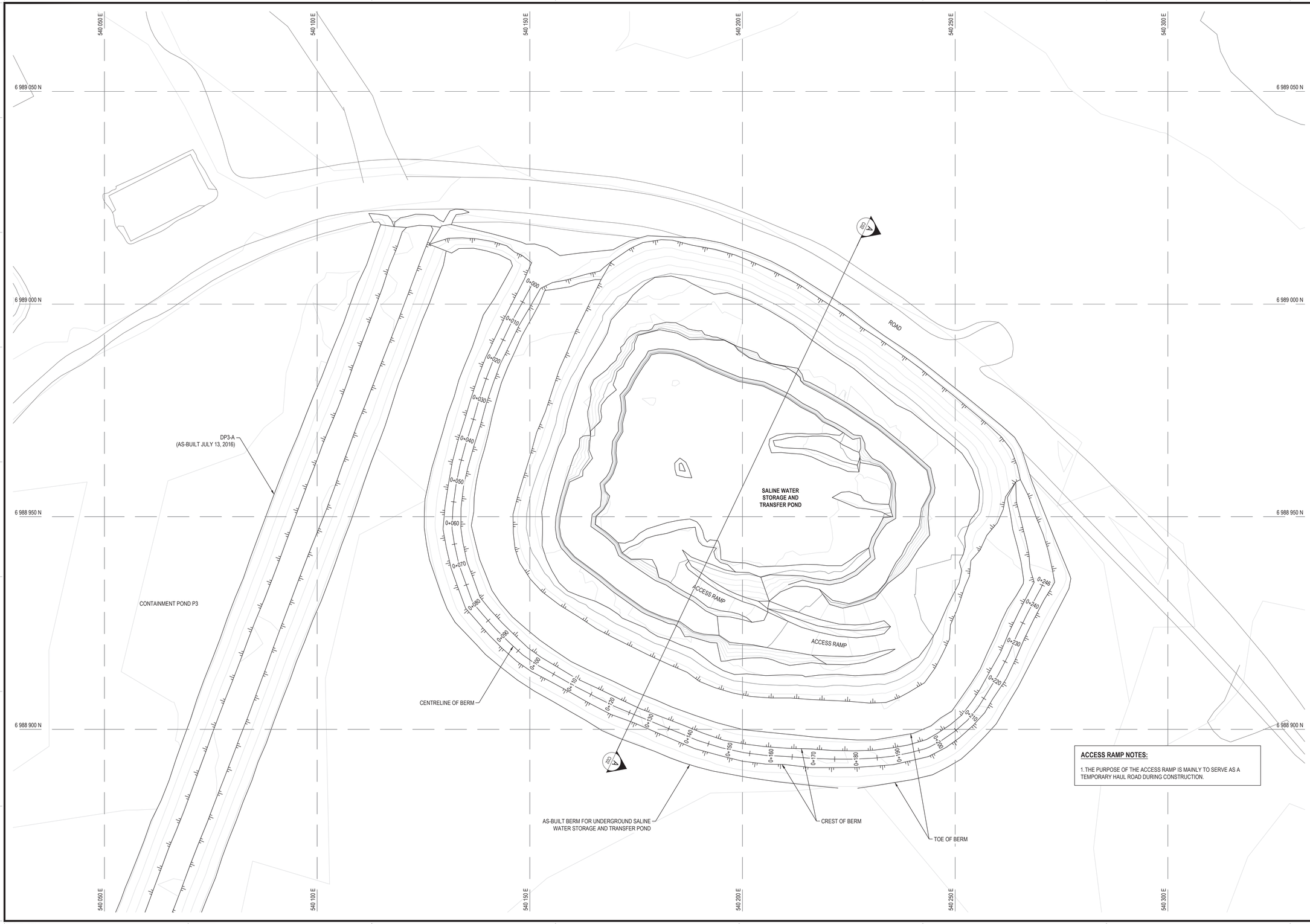
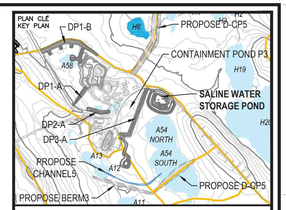


ACCESS RAMP NOTES:

1. THE PURPOSE OF THE ACCESS RAMP IS MAINLY TO SERVE AS A TEMPORARY HAUL ROAD DURING CONSTRUCTION.

PLAN CLÉ
KEY PLAN



TETRA TECH EBA

NOTES GÉNÉRALES / GENERAL NOTES

- AS-BUILT SURVEY PROVIDED BY AGNICO EAGLE ON NOVEMBER 28, 2016.

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Feb. 21 2017
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017–02–02

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2017–02–02	ISSUED FOR RECORD	EL	GZ	
A	2016–12–21	ISSUED FOR REVIEW	EL	GZ	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER G. ZHANG LICENSEE NWT/NU Feb 21, 2017

REGISTERED PROFESSIONAL ENGINEER KEVIN W. JONES LICENSEE NWT

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

AS–BUILT PLAN FOR SALINE WATER STORAGE/TRANSFER POND AND BERM

DESSINÉ PAR / DRAWN BY	EL	DATE 2017–02–02
VERIFIÉ PAR / CHECKED BY	GZ	2017–02–02
APPROUVÉ PAR / APPROVED BY	KJ	2017–02–02
ÉCHELLE / SCALE	1:400	DATE 2017–02–02

NO. DESSIN / DRAWING NO. 65–695–230–223

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515	0	1 / 6

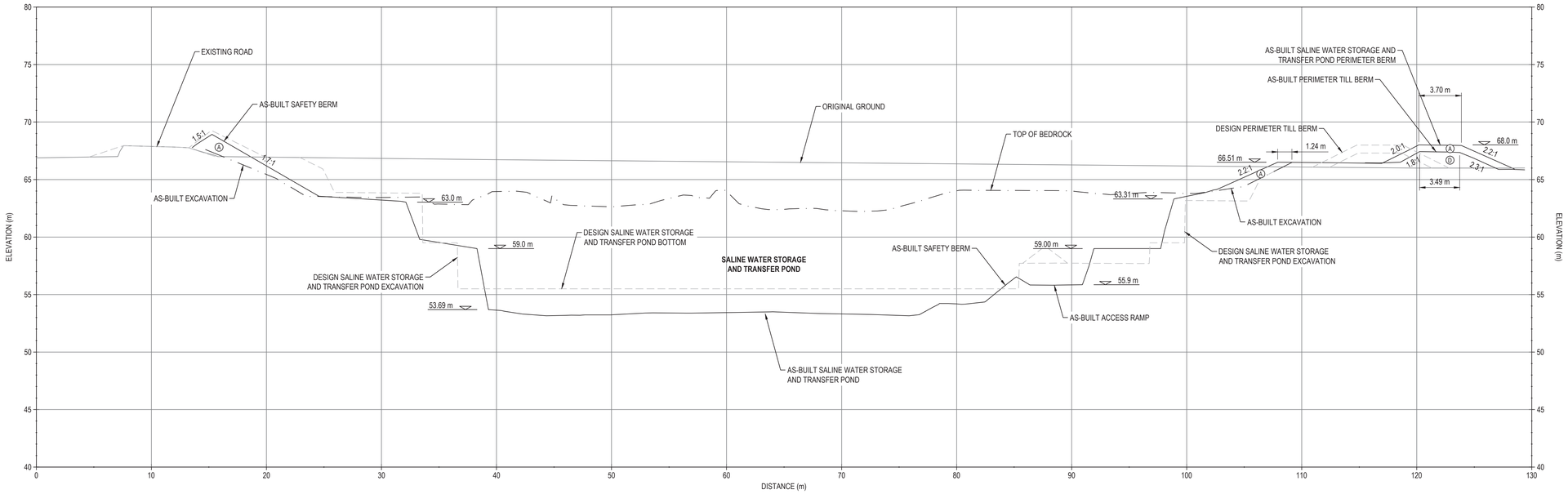
AE–CART–ARCH D

Q:\Edmonton\Engineering\E141\Projects\E14103230_Block007_Meliadine Detail Design\Modelling\Production Drawings\Saltwater Storage Pond and Berm\As–Built\Saline Water Storage Pond_As–Built.dwg–2013–02–19 14:03:29

FILE NO. Saline Water Storage Pond_As–Built.dwg

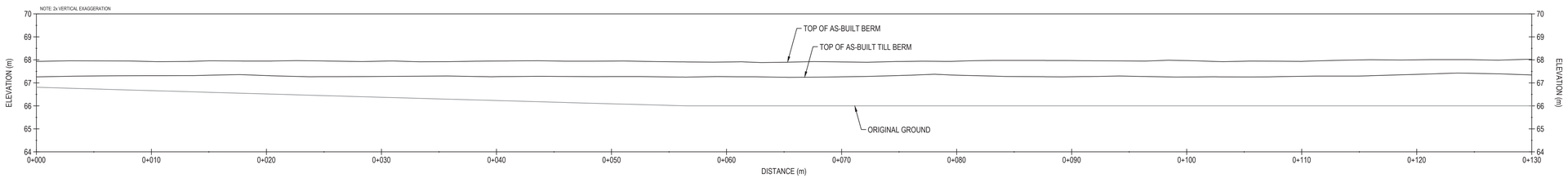
NO. DESSIN DRAWING NO. 65-695-230-224

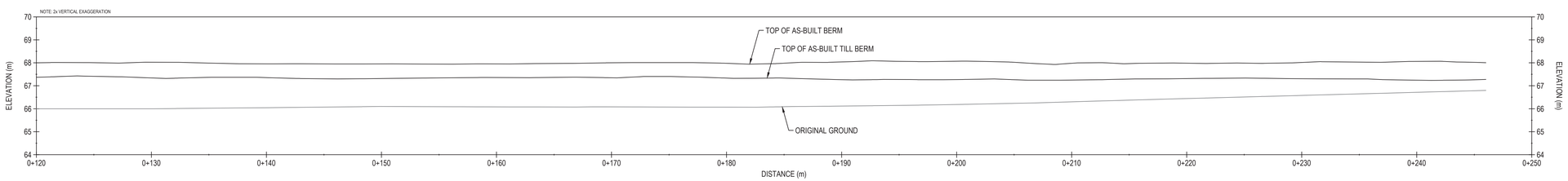
FORMAT ARCHD



SECTION A C01

SCALE: H-1:200

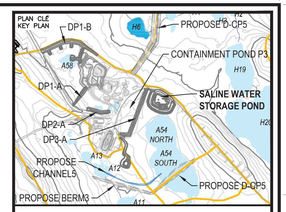




AS-BUILT SALINE WATER STORAGE/TRANSFER POND – BERM PROFILE

SCALE: H-1:200 V-1:100

PLAN CLÉ KEY PLAN



TETRA TECH EBA

NOTES GÉNÉRALES / GENERAL NOTES

- AS-BUILT SURVEY PROVIDED BY AGNICO EAGLE ON NOVEMBER 28, 2016.

LEGEND

Ⓐ RUN-OF-MINE ROCKFILL (600 mm MINUS)

Ⓓ SELECTED UNFROZEN TILL FILL (300 mm MINUS)

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Feb. 2/2017
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017-02-02

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	2017-02-02	ISSUED FOR RECORD	EL	GZ	
A	2016-12-21	ISSUED FOR REVIEW	EL	GZ	

REVISIONS

REGISTERED PROFESSIONAL ENGINEER G. ZHANG LICENSEE NWT/NU

REGISTERED PROFESSIONAL ENGINEER KEVIN W. JONES LICENSEE NWT

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT

AS-BUILT BERM PROFILE AND SECTION FOR SALINE WATER STORAGE/TRANSFER POND AND BERM

DESSINÉ PAR DRAWN BY	EL	DATE 2017-02-02
VERIFIÉ PAR CHECKED BY	GZ	2017-02-02
APPROUVÉ PAR APPROVED BY	KJ	2017-02-02
ÉCHELLE SCALE	1:200	DATE 2017-02-02
NO. DESSIN DRAWING NO.	65-695-230-224	
NO. PROJET PROJECT NO.	6515	REVISION 0 / FEUILLE / SHT 2 / 6

AE-CART-ARCH D

Q:\Edmonton\Engineering\E141\Projects\E14103230_Block007_Meliadine Detail Design\Modelling\Production Drawings\Saltwater Storage Pond and Berm\As-Built\Saline Water Storage Pond_As-Built.dwg-2013-02-19 14:03:29

FILE NO. Saline Water Storage Pond_As-Built.dwg

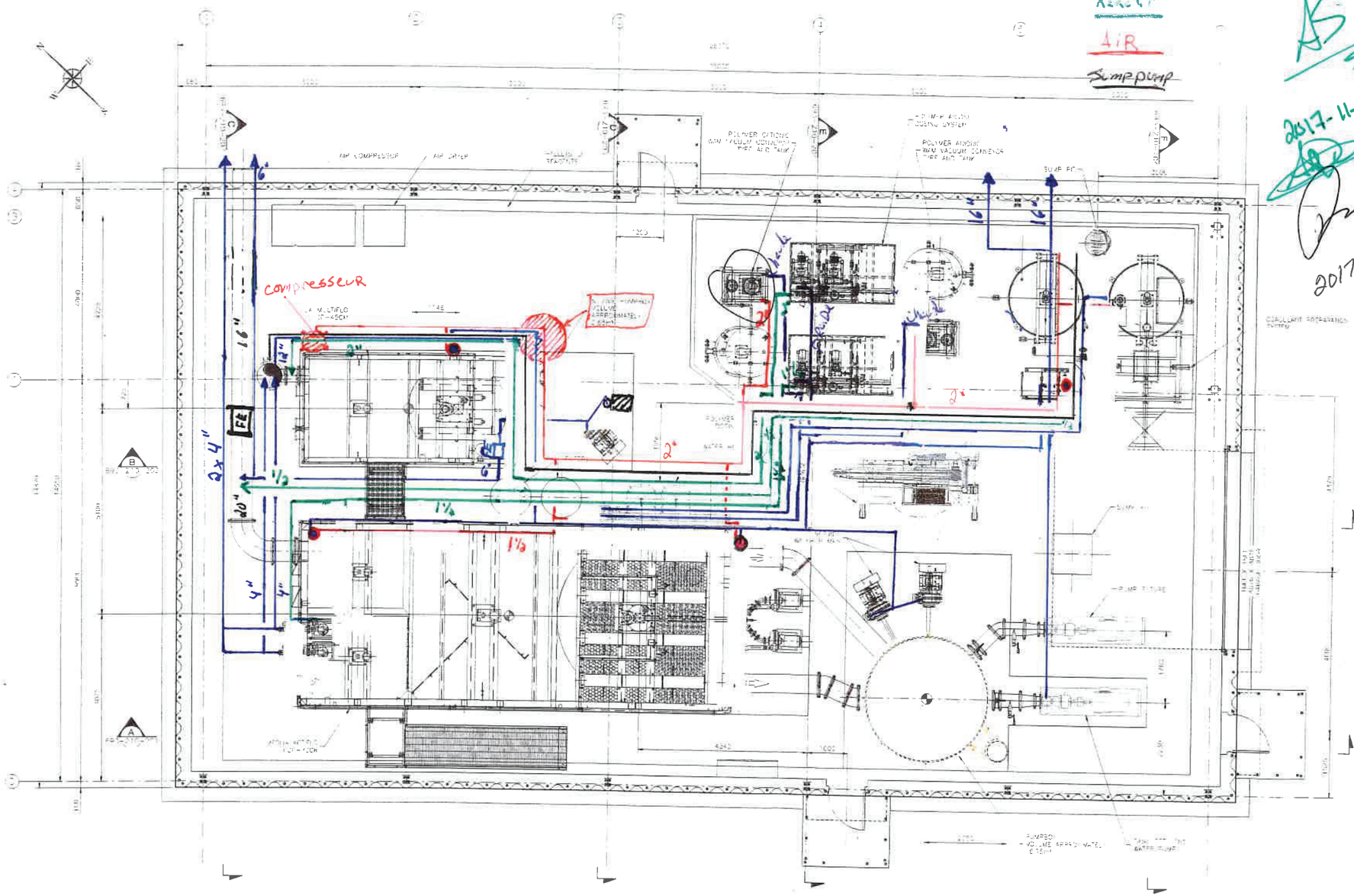
PIPERACK & RELATIVE

NO. DESSIN DRAWING NO 65-693-210-200_R4

FORMAT ARCHD

eau
Reactif
Air
Sump pump

As Built
2017-11-03
2017-11-08



FINAL WATER TREATMENT PLANT – PLAN VIEW

POUR CONSTRUCTION
AGNICO EAGLE DATE 2017-06-21

WSP
175 AVENUE OUEST
VAL-D'OR, QUÉBEC, CANADA J9P 2J7
TÉL: 819 825-4741 TÉLÉC: 819 824-1214 WWW.WSPGROUP.COM
Ref. 151-06440-10

NOTES GÉNÉRALES / GENERAL NOTES

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
4	2017-06-21	GENERAL REVISION FOR HONEY BUILDING	V.T.	B.F.	
3	2017-04-28	BUILDING REVISION	V.T.	B.F.	
2	2017-03-24	ISSUED FOR CONSTRUCTION	I.G.	B.F.	
1	2017-03-03	GENERAL REVISION, AFTER INFO	V.T.	B.F.	
0	2016-12-13	ISSUED FOR TENDER	I.G.	B.F.	

REVISIONS

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
693 – FINAL WATER TREATMENT PLANT
210– GENERAL ARRANGEMENT
PLAN VIEW

DESSINÉ PAR DRAWN BY	STEVEN PERRON	DATE 2015-11-30
VÉRIFIÉ PAR CHECKED BY	STEVEN PERRON	2015-12-02
APPROUVÉ PAR APPROVED BY	BERTRAND FORTIN, ing	2015-12-02
ÉCHELLE SCALE	INDICATED	DATE 2015-11-20
NO. DESSIN DRAWING NO	65-693-210-200	
NO. PROJET PROJECT NO	6515	REVISION 4 / FEUILLE / SHT 1 / 1

AC-CART-ARCH-E

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FILE NO 65-693-210-200_R4.dwg

NO. DESSIN DRAWING NO 65-695-270-200

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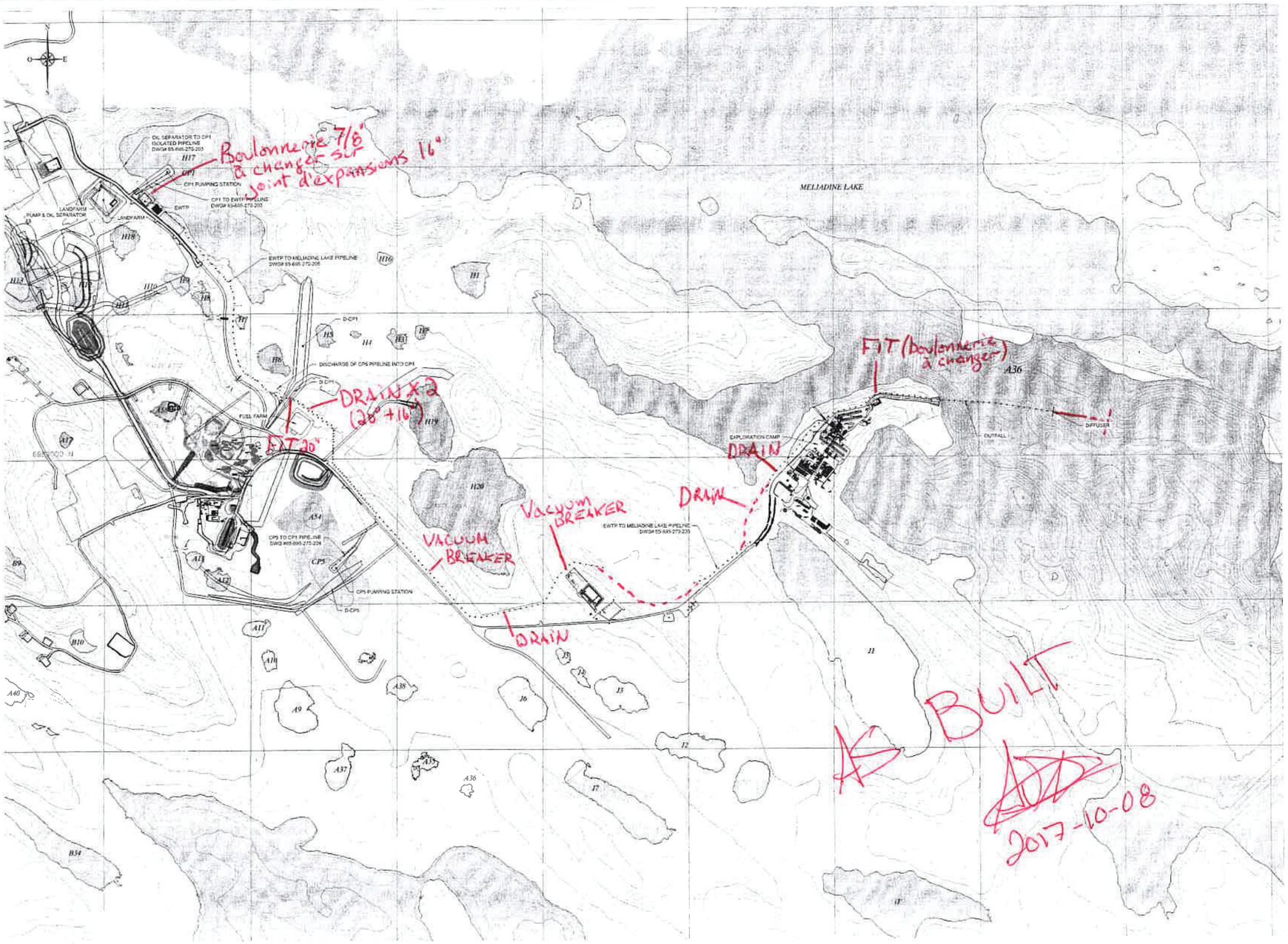


HDPE PIPELINES - GENERAL VIEW 2017
SCALE: 1:5000

PLAN CLÉ
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

1. FOR EACH PIPELINE, A 4m ZONE SHALL BE GRADED AND FREE OF BOULDERS AND SHARP ROCKS TO AVOID DAMAGES TO THE PIPE AS IT WANDERS WITH TEMPERATURE VARIATIONS
2. PIPES SHALL BE ANCHORED EVERY 30m WITH EARTHERM FILL (EXCEPT FOR OTHER SECTIONS SPECIFICALLY DETAILED) AND SHALL BE SNAKED BETWEEN EACH ANCHOR POINTS. SEE DETAIL #11 ON DWG #65-695-270-206 SH.3
3. SEE INSTALLATION SPECIFICATIONS
#65-695-265-018-265-SPT-003
#65-695-265-018-265-SOW-001

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
Signature
Date 2017 07 11
PERMIT NUMBER: P 1026
ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF NUNAVUT

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE DATE 2017/07/11

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TYPE / TITLE	# DWG
-	-
-	-
-	-
-	-
-	-

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PREP.	VÉR.	APP.	CLIENT
2	2017/07/11	FOR CONSTRUCTION	S.C.	O.B.	N.M/D.A	
1	2017/04/22	FOR TENDER (CONSTRUCTION)	S.C.	O.B.	N.M/D.A	
0	2016/11/30	FOR TENDER (SUPPLY)	M.T.	M.B.	N.M/D.A	

REVISIONS

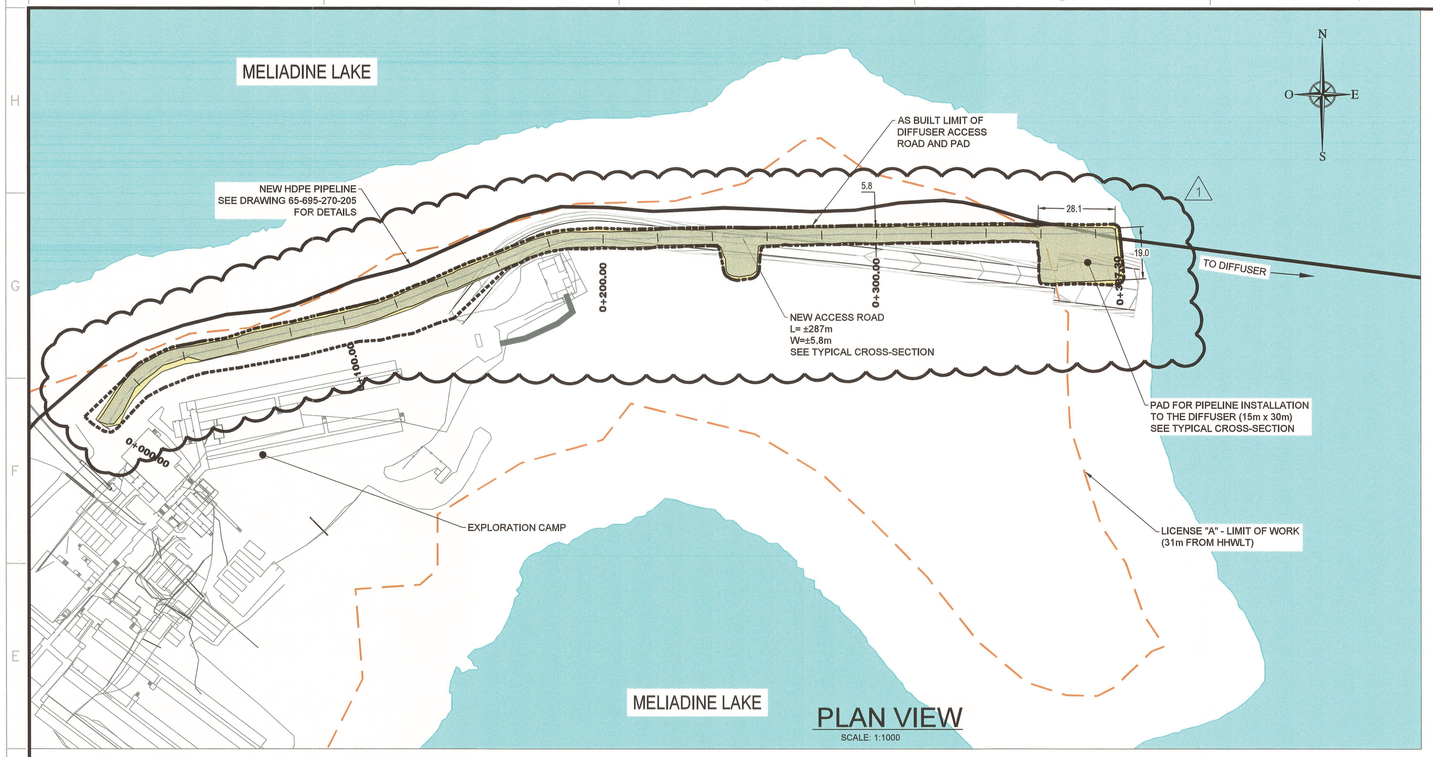
TETRA TECH
PROJECT No. E14122230 POWER No. 65-695-270-200

TITRE / TITLE
AGNICO EAGLE – MELIADINE
WATER MANAGEMENT
HDPE PIPELINES – GENERAL ARRANGEMENT
2017 – CONSTRUCTION PLAN

DESSINÉ PAR Drawn by	MARIO C.	DATE 2016/11/30
VÉRIFIÉ PAR Checked by	BENOIT T	2017/06/22
APPROUVÉ PAR Approved by	ORPHE B.	2017/06/22
ÉCHELLE SCALE	SHOWN	DATE 2017/06/22

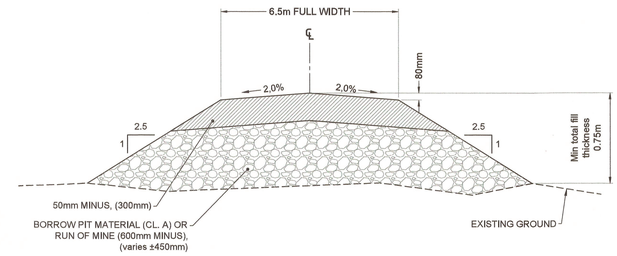
NO. DESSIN DRAWING NO. 65-417-230-223_R1 (AS BUILT)

FORMAT ARCHD



PLAN VIEW

SCALE: 1:1000



TYPICAL CROSS SECTION
TEMPORARY SERVICE ROAD AND PAD

SCALE: NTS

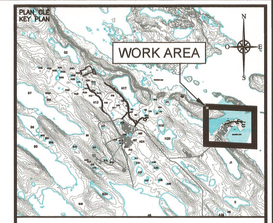
TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2018-09-14

Quantity construction chart* Temporary Diffuser Access Road and Pad *Theoretical measure in place quantities		
	Thickness (mm)	Required (m³)
50mm MINUS	300	587
Run of Mine or Borrow Pit Material (CL. A)	±450	3011
Total	-	3598

TETRA TECH

FINAL ISSUE
AFTER CONSTRUCTION

SOME ANNOTATIONS HAVE BEEN ADDED TO THE DRAWING ISSUED FOR CONSTRUCTION IN ORDER TO INCORPORATE THE INFORMATIONS RECIEVED. IN THIS PROJECT, TETRATECH HADN'T DONE ANY FIELD SUPERVISION AT THE CONSTRUCTION SITE.



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

GENERAL NOTE:
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. BORROW PIT OR RUN OF MINE MATERIAL 600mm MINUS SHALL BE PLACED IN LIFTS NOT EXCEEDING 600mm AND COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DRY DENSITY. MOISTURE CONDITIONING MAY BE REQUIRED PRIOR TO COMPACTION.

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
RELEVÉ TQC 2016	65-000-210-200
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--	--
--	--
--	--

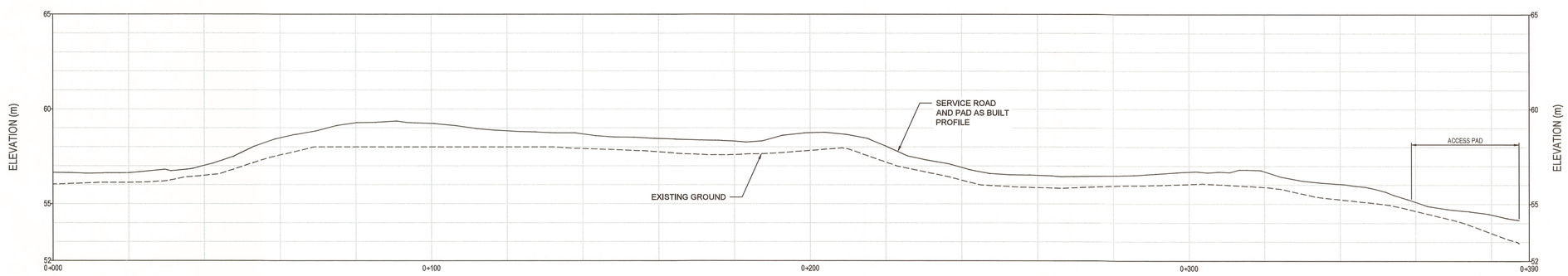
AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2018-09-14	ISSUE FOR AS BUILT	M.S.	J.A.	
0	2017-06-14	ISSUED FOR CONSTRUCTION	C.M.	J.A.	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2018-09-18
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.I.F. ALARIE
LICENSE
2018-09-18



Temporary Diffuser Service Road and Pad As Built

HORIZONTAL SCALE: 1:600
VERTICAL SCALE: 1:120

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
417 – ROADS, YARDS, FENCES, AND OTHER
230 – GENERAL EARTH WORKS
MELIADINE LAKE DIFFUSER TEMPORARY SERVICE ROAD
PLAN AND PROFILE VIEW

DESSINÉ PAR DRAWN BY	CHRISTOPHER MORIN	DATE 2017-04-26
VERIFIÉ PAR CHECKED BY	SOLÈNE MOREAU	2017-04-26
APPROUVÉ PAR APPROVED BY	JOSÉE ALARIE	2017-04-26
ÉCHELLE SCALE	AS SHOWN	DATE 2016-04-26

NO. DESSIN DRAWING NO. 65-417-230-223

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

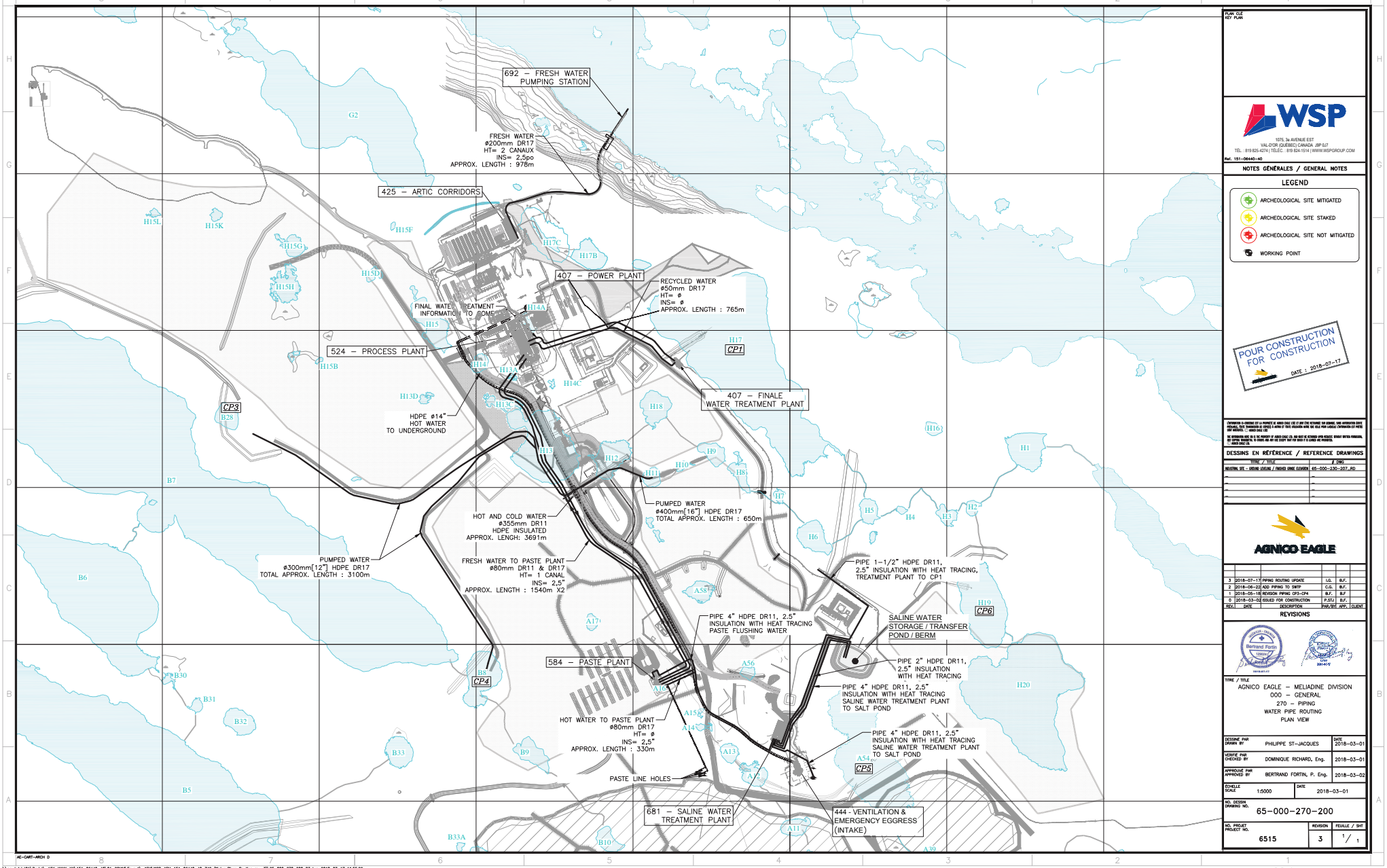
AE-CART-ARCH D

P:\28920\DESSIN\CIV-INFRA\DESSINS DE TRAVAIL\AUTOCAD\65-417-230-223_R1 (AS BUILT).dwg-2013-02-19 14:03:29

FILE NO. 65-417-230-223_R1 (AS BUILT).dwg

NO. DESSIN
DRAWING NO. 65-000-270-200_R2_XREF

FORMAT ARCHD



PLAN CLÉ
KEY PLAN

WSP
1075, 3e AVENUE EST
VAL-D'OR (QUÉBEC) CANADA J9P 0J7
TÉL. : 819 825-4274 | TÉLÉC. : 819 824-1514 | WWW.WSPGROUP.COM

Ref. 151-06440-40

NOTES GÉNÉRALES / GENERAL NOTES

LEGEND

- ARCHEOLOGICAL SITE MITIGATED
- ARCHEOLOGICAL SITE STAKED
- ARCHEOLOGICAL SITE NOT MITIGATED
- WORKING POINT

POUR CONSTRUCTION
FOR CONSTRUCTION
DATE : 2018-07-17

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
INDUSTRIAL SITE – GROUND LEVELING / FINISHED GRADE ELEVATION	65-000-230-207_R0
–	–
–	–
–	–
–	–

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
3	2018-07-17	PIPING ROUTING UPDATE	I.G.	B.F.	
2	2018-06-22	ADD PIPING TO SWTP	C.G.	B.F.	
1	2018-05-18	REVISION PIPING CP3-CP4	B.F.	B.F	
0	2018-03-02	ISSUED FOR CONSTRUCTION	P.STJ	B.F.	

REVISIONS

Bertrand Fortin
2018-07-17
2018-07-17

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
000 – GENERAL
270 – PIPING
WATER PIPE ROUTING
PLAN VIEW

DESSINÉ PAR / DRAWN BY	PHILIPPE ST-JACQUES	DATE 2018-03-01
VERIFIÉ PAR / CHECKED BY	DOMINIQUE RICHARD, Eng.	2018-03-01
APPROUVÉ PAR / APPROVED BY	BERTRAND FORTIN, P. Eng.	2018-03-02
ÉCHELLE / SCALE 1:5000	DATE 2018-03-01	

NO. DESSIN / DRAWING NO. 65-000-270-200

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515	3	1 / 1

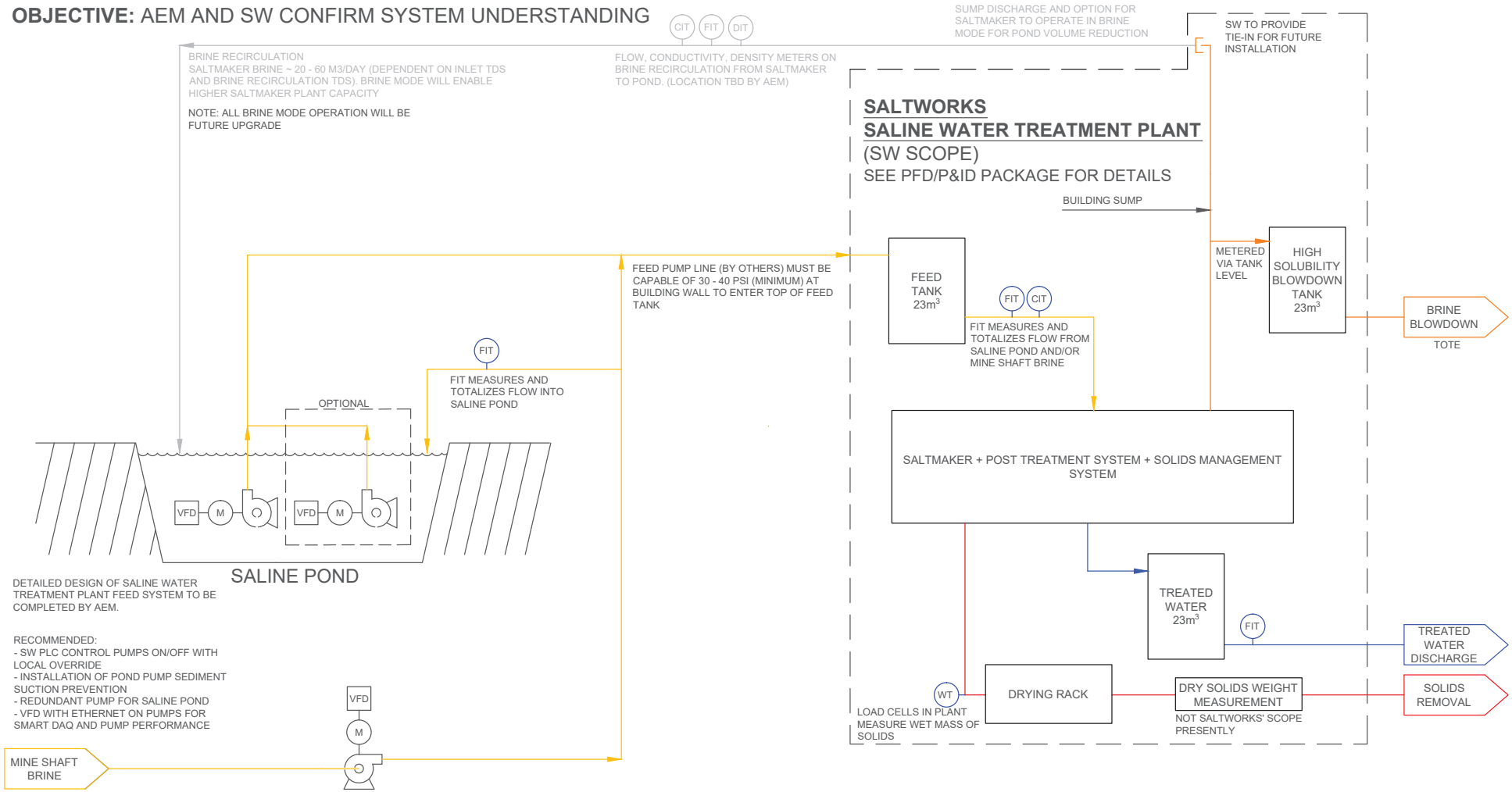
AE-CART-ARCH D

\\cavab1dsd01\Projet_151X-XXXX-XX\151-06440-40\01-DOMAI\Envoyé_AEM\WSP-AEM-151-06440-40-749 (Water Pipes Routing rev. 3)\65-000-270-200_R3.dwg-2018-07-17 11:55:36

FILE NO. 65-000-270-200_R3.dwg

AGNICO EAGLE - SALTWORKS: SALINE WATER TREATMENT PLANT INTEGRATION PFD

OBJECTIVE: AEM AND SW CONFIRM SYSTEM UNDERSTANDING



Saltworks
13800 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

DRAWING STATUS: DRAWING STATUS

DO NOT SCALE DRAWING

LTR	DATE	DESCRIPTION	REV. BY:
1	26-SEP-2017	INITIAL DRAFT	XX
2	06-OCT-2017	UPDATED PER AEM COMMENTS	XX
3	30-OCT-2017	UPDATED PER AEM COMMENTS	ML

TITLE: AEM INTEGRATION PFD			
PROJECT: SALTMAKER GEN III		CUSTOMER: AGNICO EAGLE MINES	REVISION 3
PREPARED BY: XX	DATE: 26-SEP-2017	DWG. NO: SW_EN_SM_GEN III_PID_DWG_INTEGRATPFD	
CHECKED BY:	DATE:	JOB/CO NO: (JOB NO.)	
APPROVED BY: APPROVED BY	DATE: APPROVED DATE	SHEET: # OF #	

VALVE SYMBOLS

N.OPEN N.CLOSED

- BALL
- V-BALL
- BUTTERFLY
- DIAPHRAGM
- GATE
- GLOBE
- NEEDLE
- PLUG
- SAMPLE/DRAIN
- CHECK
- BACKFLOW PREVENTER
- 3-WAY, 4-WAY
- PRESSURE REGULATING
- BACK PRESSURE REGULATING
- FLOW CONTROL
- 2-WAY SOLENOID
- 3-WAY SOLENOID
- 4-WAY SOLENOID
- AIR RELEASE
- VACUUM BREAKER
- PRESSURE RELEASE
- SLUICE GATE/WEIR

VALVE ACTUATOR SYMBOLS

- PNEUMATIC (FAIL LAST POSITION)
- PNEUMATIC FAIL CLOSE
- PNEUMATIC FAIL OPEN
- ELECTRIC
- DIAPHRAGM
- POSITIONER (ANY ACTUATOR TYPE)
- HAND OVERRIDE (ANY ACTUATOR TYPE)
- TRAVEL STOPS (ANY ACTUATOR TYPE)

FLOWMETER SYMBOLS

INTEGRAL — CLOSE COUPLED — REMOTE

- MAGNETIC
- PADDLE
- VORTEX
- DP/ORIFICE
- THERMAL
- ROTAMETER

INSTRUMENTATION SYMBOLS

LOCALLY MOUNTED	IN CONTROL PANEL	DESCRIPTION
X	X	DISCRETE INSTRUMENT
	X	PRIMARY PLC OR DCS SHARED CONTROL
	X	SECONDARY PLC OR DCS SHARED CONTROL
	X	COMPUTER FUNCTION

INSTRUMENT FUNCTIONS

- K — SIGNAL PROCESSING FUNCTION
- A/M — AUTO/MANUAL
- Σ — ADDITION/SUMMATION
- Δ — DIFFERENTIAL
- INTERLOCK LOGIC FUNCTION
- Σ/n — AVERAGING

INSTRUMENT CONNECTIONS

- THREADED
- SOCKETWELD
- WELDED

PIPING SYMBOLS

- FLANGED CONNECTION
- THREADED CONNECTION
- BLIND FLANGE
- DOUBLE CONTAINMENT
- QUICK DISCONNECT VICTAULIC
- x" INSULATION THICKNESS — INSULATION
- QUICK DISCONNECT CAMLOK
- x" INSULATION THICKNESS — HEAT TRACING E=ELECTRIC S=STEAM G=GLYCOL
- CAPPED PIPE END
- UNION
- DRAIN OUTLET
- EXPANSION/FLEXIBLE/ ISOLATION JOINT
- REDUCER
- ECCENTRIC REDUCER

PIPING ABBREVIATIONS

316 SS	316 STAINLESS STEEL
304 SS	304 STAINLESS STEEL
316L SS	LOW CARBON 316 STAINLESS STEEL
304L SS	LOW CARBON 304 STAINLESS STEEL
CPVC	CHLORINATED POLYVINYL CHLORIDE
CS	CARBON STEEL
DI	DUCTILE IRON
HDPE	HIGH-DENSITY POLYETHYLENE
PE	POLYETHYLENE
PVC	POLYVINYL CHLORIDE
RLCS	RUBBER LINED CARBON STEEL
SCH.	SCHEDULE
SDR	STANDARD DIMENSION RATIO
CML	CEMENT MORTAR LINED

LINE SYMBOLOGY

- MAIN PROCESS LINE
- SECONDARY PROCESS LINE
- PROCESS LINE, BY OTHERS
- COMM LINK (EX. PLC TO HMI)
- COMM LINK (EX. PLC TO DCS)
- ELECTRIC WIRING
- PNEUMATIC LINE
- LINE JUMPER
- PIPE DISCONTINUATION
- FLOW DIRECTION ARROWS
- 4" 316 SS SCH.10 — LINES SIZE/ MATERIAL IDENTIFIER
- SKID BOUNDARY — BY OTHERS — SKID BY H_2O Innovation
- REVISION
- LINES TO/FROM OTHER SHEETS — DESCRIPTION — C01-0001 SHT 1 — DESTINATION

PUMP SYMBOLS

- CENTRIFUGAL
- CHEMICAL METERING
- DIAPHRAGM
- POSITIVE DISPLACEMENT
- VACUUM
- SUBMERSIBLE OR FLOATING
- VERTICAL TURBINE
- PERISTALTIC/HOSE

MISCELLANEOUS EQUIPMENT SYMBOLS

- CARTRIDGE FILTER HOUSING
- AUTOMATIC STRAINER
- SILENCER
- MIXER
- STATIC MIXER
- RESIN TRAP
- MOTOR
- EDUCTOR OR VENTURI
- Y STRAINER
- CONICAL OR TEMPORARY STRAINER
- PULSATION DAMPENER
- DIAPHRAGM
- FLOW ORIFICE
- AIR COMPRESSOR
- RUPTURE DISK (PRESSURE)
- RUPTURE DISK (VACUUM)
- SPECTACLE BLIND (NORMALLY OPEN, NORMALLY CLOSED)
- INJECTION QUILL
- FILTER
- REFRIGERATED AIR DRYER
- TANK
- MMF TANK
- IMMERSED HEATER
- IN-LINE HEATER
- ULTRASONIC LEVEL TRANSMITTER
- FLOAT-STYLE LEVEL TRANSMITTER
- CHEMICAL CONTAINMENT
- CALIBRATION COLUMN
- MEMBRANE
- UV STERILIZER
- DIFFUSERS:
- COARSE BUBBLE
- FINE BUBBLE
- POSITIVE DISPLACEMENT BLOWER
- REGENERATIVE BLOWER
- CENTRIFUGAL BLOWER
- TURBOCHARGER
- BIO-WHEEL
- MANWAY

FLOW INSTRUMENTS

FAH	FLOW ALARM HIGH
FAL	FLOW ALARM LOW
FCV	FLOW CONTROL VALVE
FE	FLOW ELEMENT
FI	FLOW INDICATOR
FIC	FLOW INDICATING CONTROLLER
FIT	FLOW INDICATING TRANSMITTER
FR	FLOW RECORDING
FSH	FLOW SWITCH HIGH
FSL	FLOW SWITCH LOW
FV	FLOW CONTROL OR ON/OFF VALVE
FQ	FLOW TOTALIZER
FX	ELEMENT CONTROLLED BY FLOW
FY	FLOW SIGNAL CONVERT, I/P, OR SOLN

PRESSURE INSTRUMENTS

PAH	PRESSURE ALARM HIGH
PAL	PRESSURE ALARM LOW
PC	PRESSURE CONTROLLER
PCV	SELF REG PRESS CONTROL VALVE
PDH	DIFFERENTIAL PRESSURE HIGH
PDI	DIFFERENTIAL PRESSURE INDICATOR
PDIT	DIFF PRESS INDICATING TRANSMITTER
PDSH	DIFFERENTIAL PRESS SWITCH HIGH
PG	PRESSURE GAUGE
PI	PRESSURE INDICATOR
PIC	PRESSURE INDICATING CONTROLLER
PIT	PRESSURE INDICATING TRANSMITTER
PSH	PRESSURE SWITCH HIGH
PSL	PRESSURE SWITCH LOW
PSV	SELF REG PRESS SAFETY VALVE
PT	PRESSURE TRANSMITTER
PX	ELEMENT CONTROLLED BY PRESSURE
PY	PRESS SIGNAL CONVERT, I/P, OR SOLN
PSLH	PRESSURE SWITCH LOW HIGH

LEVEL INSTRUMENTS

LAH	LEVEL ALARM HIGH
LAL	LEVEL ALARM LOW
LCV	SELF REG LEVEL CONTROL VALVE
LE	LEVEL ELEMENT
LG	LEVEL GAUGE
LI	LEVEL INDICATOR
LIC	LEVEL INDICATING CONTROLLER
LIT	LEVEL INDICATING TRANSMITTER
LSH	LEVEL SWITCH HIGH
LSL	LEVEL SWITCH LOW
LT	LEVEL TRANSMITTER
LV	LEVEL CONTROL OR ON/OFF VALVE
LX	ELEMENT CONTROLLED BY LEVEL
LY	LEVEL SIGNAL CONVERT, I/P, OR SOLN

TEMPERATURE INSTRUMENTS

TAH	TEMPERATURE ALARM HIGH
TAL	TEMPERATURE ALARM LOW
TC	TEMPERATURE CONTROLLER
TE	TEMPERATURE ELEMENT
TG	TEMPERATURE GAUGE
TI	TEMPERATURE INDICATOR
TIC	TEMP INDICATING CONTROLLER
TIT	TEMP INDICATING TRANSMITTER
TSH	TEMPERATURE SWITCH HIGH
TSL	TEMPERATURE SWITCH LOW
TT	TEMPERATURE TRANSMITTER
TV	TEMP CONTROL OR ON/OFF VALVE
TX	ELEMENT CONTROLLED BY TEMP
TY	TEMP SIGNAL CONVERT, I/P, OR SOLN

ELECTRICAL ABBREVIATIONS

JB	JUNCTION BOX
MCP	MAIN CONTROL PANEL
RIO	REMOTE I/O PANEL
PP	POWER PANEL
VFD	VARIABLE FREQUENCY DRIVE
HOA	HAND-OFF-AUTO

ANALYTICAL INSTRUMENTS

AAH	ANALYTICAL ALARM HIGH
AAL	ANALYTICAL ALARM LOW
AE	ANALYTICAL ELEMENT
AI	ANALYTICAL INDICATOR
AIC	ANAL INDICATING CONTROLLER
AIT	ANAL INDICATING TRANSMITTER
ASH	ANALYTICAL SWITCH HIGH
ASL	ANALYTICAL SWITCH LOW
AT	ANALYTICAL TRANSMITTER
AX	ELEMENT CONTROLLED BY ANALYTICAL
AY	ANALYTICAL SIGNAL CONVERT, I/P, OR SOL

MISCELLANEOUS INSTRUMENTS

HS	HAND SWITCH
HI	HAND SWITCH POSITION INDICATOR
II	CURRENT INDICATOR
QQI	TOTALIZER INDICATOR
SC	SPEED CONTROLLER
SI	SPEED INDICATOR
YA	MOTOR ALARM
YC	MOTOR CONTROL
YI	MOTOR ON/OFF INDICATOR
ZIC	SWITCH CLOSE INDICATOR
ZIO	SWITCH OPEN INDICATOR
ZSC	POSITION SWITCH CLOSED
ZSO	POSITION SWITCH OPEN
ZT	POSITION TRANSMITTER
ZI	POSITION INDICATOR

VALVES & EQUIPMENT

AC	AIR COMPRESSOR
ARV	AIR RELEASE VALVE
AS	AIR SUPPLY
B	BLOWER
BT	BULK TOTE
CBD	COARSE BUBBLE DIFFUSER
CV	CHECK VALVE
ED	EDUCTOR
F	FILTER
FBD	FINE BUBBLE DIFFUSER
FL	FAIL LAST (DEFAULT IF NOT SHOWN)
FC	FAIL CLOSED
FO	FAIL OPEN
FQG	CALIBRATION COLUMN
H	HEATER
HCV	HAND CONTROL VALVE
HTR	HEATER
HV	HAND VALVE
M	MOTOR
MX	MIXER
P	PUMP
RT	RESIN TRAP
ST	SPILL TANK
STR	STRAINER
T	TANK
UV	ULTRAVIOLET
HV	HAND VALVE
MV	MULTI FUNCTION VALVE

OTHER ABBREVIATIONS

CAP	CAPACITANCE
CIP	CLEAN-IN-PLACE
COND	CONDUCTIVITY
DO2	DISSOLVED OXYGEN
ESP	EMERGENCY STOP
IA	INSTRUMENT AIR
I/P	CURRENT TO PNEUMATIC CONVERTER
ORP	OXIDATION REDUCTION POTENTIAL
pH	HYDROGEN ION
RES	RESISTIVITY
RTD	RESISTANCE TEMP DETECTOR
SOL	SOLENOID
SP	SET POINT
uS	MICROSIEMENS
MIT	MEMBRANE INTEGRITY TEST

REGISTERED PROFESSIONAL ENGINEER R. DESGAGNÉ LICENSEE NT/NU 12/06/2017

DRAWING REVISION

REV	DATE	REVISION DESCRIPTION	DRAWN	CHKD	ENG	APPVD
06	02/12/2016	REVISED AS INSTALLED	M.P.	R.D.	H.C.	R.D.
05	21/09/2016	REVISED AS BUILT	M.P.	H.S.	H.C.	R.D.
04	08/02/2016	REVISED AS PER COMMENT	M.P.	H.S.	H.C.	H.C.
03	25/07/2016	REVISED AS PER COMMENT	M.P.	H.S.	H.C.	H.C.
01	11/07/2016	CHANGE SUMP TANK BALL TO GATE VALVE,SOLENOID TO ELECTRIC VALVE,TURBIDITY METER TO 120V	M.P.	H.S.	H.C.	H.C.

h2O innovation — knowledge to share, du savoir à partager

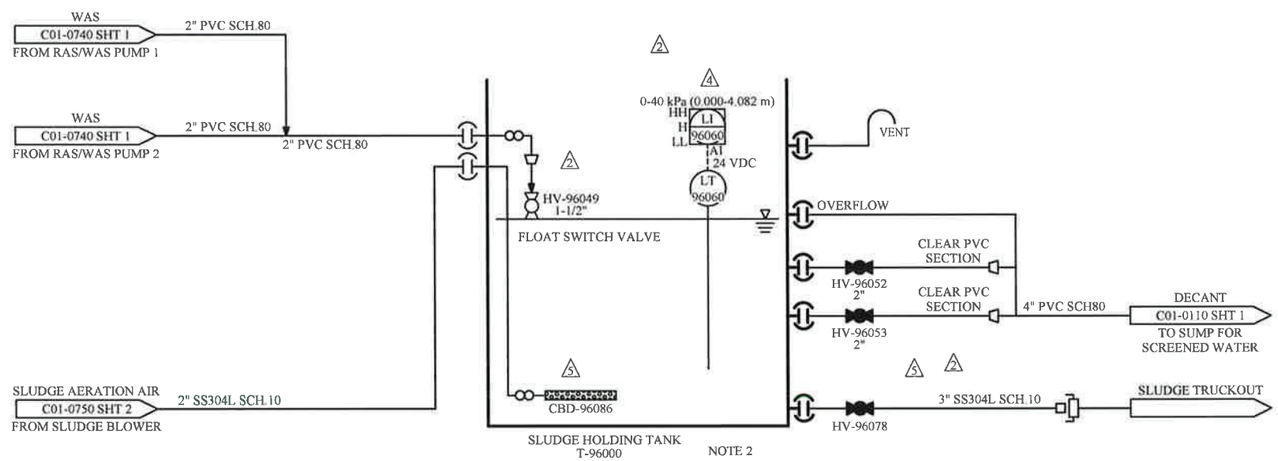
UNLESS NOTED OTHERWISE
INTERPRETATION ANSI Y14.5
TOLERANCES
FRACTIONS ±1/4"
DECIMALS .0 X ±0.030
.0 XX ±0.015
.0 XXX ±0.5"
ANGLES ±0.5°
HOLE SIZES ±1/4"
HOLE CENTERS ±1/4"
DO NOT SCALE PRINTS

MELIADINE STP

216 M3/DAY

TITLE: PROCESS AND INSTRUMENTION DIAGRAMS LEGEND

SCALE:	DRAWING NUMBER:	REVISION
N/A	U65875--C01-0001 SHEET: 1 of 1	06



REGISTERED PROFESSIONAL ENGINEER
R. DESGAGNÉ
LICENSEE
NT/NU
12/06/2017

NOTES:

1. ALL COMPONANTS GOING INTO R10 101.
2. SLUDGE HOLDING TANK WITH COVER.
3. ALL VENT TO OUTSIDE.

DRAWING REVISION

REV	DATE (DD/MM/YYYY)	REVISION DESCRIPTION	DRAWN	CHKD	ENG	APPVD
06	02/12/2016	REVISED AS INSTALLED	M.P.	R.D.	H.C.	R.D.
05	21/09/2016	REVISED AS BUILT	M.P.	H.S.	H.C.	R.D.
04	08/02/2016	REVISED AS PER COMMENT	M.P.	H.S.	H.C.	H.C.
03	25/07/2016	REVISED AS PER COMMENT	M.P.	H.S.	H.C.	H.C.
01	11/07/2016	CHANGE SUMP TANK BALL TO GATE VALVE,SOLENOID TO ELECTRIC VALVE,TURBIDITY METER TO 120V	M.P.	H.S.	H.C.	H.C.

h2O innovation
knowledge to share, du savoir à partager

UNLESS NOTED OTHERWISE
INTERPRETATION ANSI Y14.5
TOLERANCES
FRACTIONS ±1/32"
DECIMALS 0.X ±0.030
0.XX ±0.015
ANGLES ±0.5°
HOLE SIZES ±1/32"
HOLE CENTERS ±1/32"
DO NOT SCALE PRINTS

MELIADINE STP

216 M3/DAY

TITLE:
SLUDGE HANDLING SYSTEM
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: U65875-C01-0960
SHEET: 1 of 1
REVISION 06

VALVE SYMBOLS

N.OPEN N.CLOSED

- BALL
- V-BALL
- BUTTERFLY
- DIAPHRAGM
- GATE
- GLOBE
- NEEDLE
- PLUG
- SAMPLE/DRAIN
- CHECK
- BACKFLOW PREVENTER
- INJECTION QUILL
- 3-WAY, 4-WAY
- PRESSURE REGULATING
- BACK PRESSURE REGULATING
- FLOW CONTROL
- 2-WAY SOLENOID
- 3-WAY SOLENOID (EXH)
- 4-WAY SOLENOID (EXH)
- AIR RELEASE
- VACUUM BREAKER
- PRESSURE RELEASE
- SLUICE GATE/WEIR

VALVE ACTUATOR SYMBOLS

- PNEUMATIC (FAIL LAST POSITION)
- F.C. PNEUMATIC FAIL CLOSE
- F.O. PNEUMATIC FAIL OPEN
- ELECTRIC
- DIAPHRAGM
- POSITIONER (ANY ACTUATOR TYPE)
- HAND OVERRIDE (ANY ACTUATOR TYPE)
- TRAVEL STOPS (ANY ACTUATOR TYPE)

FLOWMETER SYMBOLS

- ROTAMETER
- ROTAMETER W/ INTEGRAL NEEDLE VALVE
- THERMAL

INTEGRAL	REMOTE	
		MAGNETIC
		PADDLE
		VORTEX
		DP/ORIFICE

INSTRUMENTATION SYMBOLS

LOCALLY MOUNTED	IN CONTROL PANEL	DESCRIPTION
X nnnnn	X nnnnn	DISCRETE INSTRUMENT
	X nnnnn	PRIMARY PLC OR DCS SHARED CONTROL
	X nnnnn	SECONDARY PLC OR DCS SHARED CONTROL
	X nnnnn	COMPUTER FUNCTION

INSTRUMENT FUNCTIONS

- K SIGNAL PROCESSING FUNCTION
- A/M AUTO/MANUAL
- Σ ADDITION/SUMMATION
- Δ DIFFERENTIAL
- INTERLOCK LOGIC FUNCTION
- AVERAGING

INSTRUMENT CONNECTIONS

THREADED SOCKETWELD WELDED

PIPING CONNECTIONS & SYMBOLS

- FLANGE
- QUICK DISCONNECT HOSE/TUBE
- THREADED CONNECTION
- EXPANSION/FLEXIBLE/ ISOLATION JOINT
- UNION
- GROOVED COUPLING
- BLIND FLANGE
- DOUBLE CONTAINMENT
- CAPPED END
- REDUCER
- "X" INSULATION THICKNESS INSULATION
- ECCENTRIC REDUCER
- "X" INSULATION THICKNESS HEAT TRACING E=ELECTRIC S=STEAM G=GLYCOL
- DRAIN OUTLET

PIPING ABBREVIATIONS

316 SS	316 STAINLESS STEEL
304 SS	304 STAINLESS STEEL
316L SS	LOW CARBON 316 STAINLESS STEEL
304L SS	LOW CARBON 304 STAINLESS STEEL
CPVC	CHLORINATED POLYVINYL CHLORIDE
CS	CARBON STEEL
DI	DUCTILE IRON
HDPE	HIGH-DENSITY POLYETHYLENE
PE	POLYETHYLENE
PVC	POLYVINYL CHLORIDE
RLCS	RUBBER LINED CARBON STEEL
SCH.	SCHEDULE
SDR	STANDARD DIMENSION RATIO

LINE SYMBOLOGY

- MAIN PROCESS LINE
- SECONDARY PROCESS LINE
- PROCESS LINE, BY OTHERS
- COMM LINK (EX. PLC TO HMI)
- COMM LINK (EX. PLC TO DCS)
- ELECTRIC WIRING
- PNEUMATIC LINE
- LINE JUMPER
- PIPE DISCONTINUATION
- FLOW DIRECTION ARROWS
- 4" 316 SS SCH.10 — LINES SIZE/ MATERIAL IDENTIFIER
- SKID BOUNDARY — NOT BY H_2O Innovation / SKID BY H_2O Innovation
- REVISION
- LINES TO/FROM OTHER SHEETS — DESCRIPTION — C01-0001 SHT 1 — DESTINATION

PUMP SYMBOLS

- CENTRIFUGAL
- CHEMICAL METERING
- DIAPHRAGM
- POSITIVE DISPLACEMENT
- VACUUM
- SUBMERSIBLE OR FLOATING
- VERTICAL TURBINE
- PERISTALTIC/HOSE

MISCELLANEOUS EQUIPMENT SYMBOLS

- CARTRIDGE FILTER HOUSING
- AUTOMATIC STRAINER
- SILENCER
- MOTORIZED MIXER
- STATIC MIXER
- RESIN TRAP
- MOTOR
- EDUCTOR OR VENTURI
- Y STRAINER
- CONICAL OR TEMPORARY STRAINER
- PULSATION DAMPENER
- DIAPHRAGM
- FLOW ORIFICE
- RUPTURE DISK (PRESSURE)
- RUPTURE DISK (VACUUM)
- SPECTACLE BLIND (NORMALLY OPEN, NORMALLY CLOSED)
- COARSE BUBBLE DIFFUSER
- FINE BUBBLE DIFFUSER
- FILTER
- TURBOCHARGER
- MANWAY
- TANK
- IMMERSED HEATER
- IN-LINE HEATER
- ULTRASONIC LEVEL TRANSMITTER
- FLOAT-STYLE LEVEL SWITCH
- CHEMICAL CONTAINMENT
- CALIBRATION COLUMN
- MEMBRANE
- UV STERILIZER
- AIR COMPRESSOR
- POSITIVE DISPLACEMENT BLOWER
- REGENERATIVE BLOWER
- CENTRIFUGAL BLOWER
- REFRIGERATED AIR DRYER
- FLOW CHAMBER
- BIO-WHEEL

FLOW INSTRUMENTS

FAH	FLOW ALARM HIGH
FAL	FLOW ALARM LOW
FCV	FLOW CONTROL VALVE
FE	FLOW ELEMENT
FI	FLOW INDICATOR
FIC	FLOW INDICATING CONTROLLER
FIT	FLOW INDICATING TRANSMITTER
FR	FLOW RECORDING
FSH	FLOW SWITCH HIGH
FSL	FLOW SWITCH LOW
FV	FLOW CONTROL OR ON/OFF VALVE
FQ	FLOW TOTALIZER
FY	FLOW SIGNAL CONVERT, I/P, OR SOLN

PRESSURE INSTRUMENTS

PAH	PRESSURE ALARM HIGH
PAL	PRESSURE ALARM LOW
PC	PRESSURE CONTROLLER
PCV	SELF REG PRESS CONTROL VALVE
PDH	DIFFERENTIAL PRESSURE HIGH
PDI	DIFFERENTIAL PRESSURE INDICATOR
PDIT	DIFF PRESS INDICATING TRANSMITTER
PDSH	DIFFERENTIAL PRESS SWITCH HIGH
PG	PRESSURE GAUGE
PI	PRESSURE INDICATOR
PIC	PRESSURE INDICATING CONTROLLER
PIT	PRESSURE INDICATING TRANSMITTER
PSH	PRESSURE SWITCH HIGH
PSL	PRESSURE SWITCH LOW
PSV	SELF REG PRESS SAFETY VALVE
PT	PRESSURE TRANSMITTER
PY	PRESS SIGNAL CONVERT, I/P, OR SOLN
PSLH	PRESSURE SWITCH LOW HIGH

LEVEL INSTRUMENTS

LAH	LEVEL ALARM HIGH
LAL	LEVEL ALARM LOW
LCV	SELF REG LEVEL CONTROL VALVE
LE	LEVEL ELEMENT
LG	LEVEL GAUGE
LI	LEVEL INDICATOR
LIC	LEVEL INDICATING CONTROLLER
LIT	LEVEL INDICATING TRANSMITTER
LSH	LEVEL SWITCH HIGH
LSL	LEVEL SWITCH LOW
LT	LEVEL TRANSMITTER
LV	LEVEL CONTROL OR ON/OFF VALVE
LY	LEVEL SIGNAL CONVERT, I/P, OR SOLN

TEMPERATURE INSTRUMENTS

TAH	TEMPERATURE ALARM HIGH
TAL	TEMPERATURE ALARM LOW
TC	TEMPERATURE CONTROLLER
TE	TEMPERATURE ELEMENT
TG	TEMPERATURE GAUGE
TI	TEMPERATURE INDICATOR
TIC	TEMP INDICATING CONTROLLER
TIT	TEMP INDICATING TRANSMITTER
TSH	TEMPERATURE SWITCH HIGH
TSL	TEMPERATURE SWITCH LOW
TT	TEMPERATURE TRANSMITTER
TV	TEMP CONTROL OR ON/OFF VALVE
TY	TEMP SIGNAL CONVERT, I/P, OR SOLN

ELECTRICAL ABBREVIATIONS

JB	JUNCTION BOX
MCP	MAIN CONTROL PANEL
RIO	REMOTE I/O PANEL
PP	POWER PANEL
VFD	VARIABLE FREQUENCY DRIVE
HOA	HAND-OFF-AUTO

ANALYTICAL INSTRUMENTS

AAH	ANALYTICAL ALARM HIGH
AAL	ANALYTICAL ALARM LOW
AE	ANALYTICAL ELEMENT
AI	ANALYTICAL INDICATOR
AIC	ANAL INDICATING CONTROLLER
AIT	ANAL INDICATING TRANSMITTER
ASH	ANALYTICAL SWITCH HIGH
ASL	ANALYTICAL SWITCH LOW
AT	ANALYTICAL TRANSMITTER
AY	ANALYTICAL SIGNAL CONVERT, I/P, OR SOL

MISCELLANEOUS INSTRUMENTS

HS	HAND SWITCH
HI	HAND SWITCH POSITION INDICATOR
II	CURRENT INDICATOR
QQI	TOTALIZER INDICATOR
SC	SPEED CONTROLLER
SI	SPEED INDICATOR
YA	MOTOR ALARM
YC	MOTOR CONTROL
YI	MOTOR ON/OFF INDICATOR
ZI	POSITION INDICATOR
ZIC	SWITCH CLOSE INDICATOR
ZIO	SWITCH OPEN INDICATOR
ZSC	POSITION SWITCH CLOSED
ZSO	POSITION SWITCH OPEN
ZT	POSITION TRANSMITTER
ZY	POSITIONER

VALVES & EQUIPMENT

AC	AIR COMPRESSOR
ARV	AIR RELEASE VALVE
AS	AIR SUPPLY
B	BLOWER
BT	BULK TOTE
CBD	COARSE BUBBLE DIFFUSER
CV	CHECK VALVE
ED	EDUCTOR
F	FILTER
FBD	FINE BUBBLE DIFFUSER
FL	FAIL LAST (DEFAULT IF NOT SHOWN)
FC	FAIL CLOSED
FO	FAIL OPEN
FQG	CALIBRATION COLUMN
H	HEATER
HCV	HAND CONTROL VALVE
HTR	HEATER
HV	HAND VALVE
M	MOTOR
MX	MIXER
P	PUMP
RT	RESIN TRAP
ST	SPILL TANK
STR	STRAINER
T	TANK
UV	ULTRAVIOLET
HV	HAND VALVE
MV	MULTI FUNCTION VALVE

OTHER ABBREVIATIONS

CAP	CAPACITANCE
CIP	CLEAN-IN-PLACE
COND	CONDUCTIVITY
DO_2	DISSOLVED OXYGEN
ESP	EMERGENCY STOP
IA	INSTRUMENT AIR
I/P	CURRENT TO PNEUMATIC CONVERTER
ORP	OXIDATION REDUCTION POTENTIAL
pH	HYDROGEN ION
RES	RESISTIVITY
RTD	RESISTANCE TEMP DETECTOR
SOL	SOLENOID
SP	SET POINT
uS	MICROSIEMENS

REGISTERED PROFESSIONAL ENGINEER R. DESGAGNÉ LICENSEE NT/NU 15/06/2017

DRAWING REVISION

REV	DATE (DD/MM/YYYY)	REVISION DESCRIPTION	DRAWN	CHKD	ENG	APPVD
04	14/06/2017	AS INSTALLED	M.P.	M.B.	R.D.	A.M.
03	09/08/2016	AS BUILT	M.P.	S.B.	R.D.	A.M.
02	25/07/2016	REVISED AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
01	29/06/2016	AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
00	13/06/2016	INITIAL RELEASE	M.P.	S.B.	R.D.	A.M.

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UNLESS NOTED OTHERWISE
INTERPRETATION ANSI Y14.5
TOLERANCES
FRACTIONS ±1/16"
DECIMALS 0.X ±0.030
0.XX ±0.015
ANGLES ±0.5°
HOLE SIZES ±1/64"
HOLE CENTERS ±1/32"
DO NOT SCALE PRINTS

MELIADINE

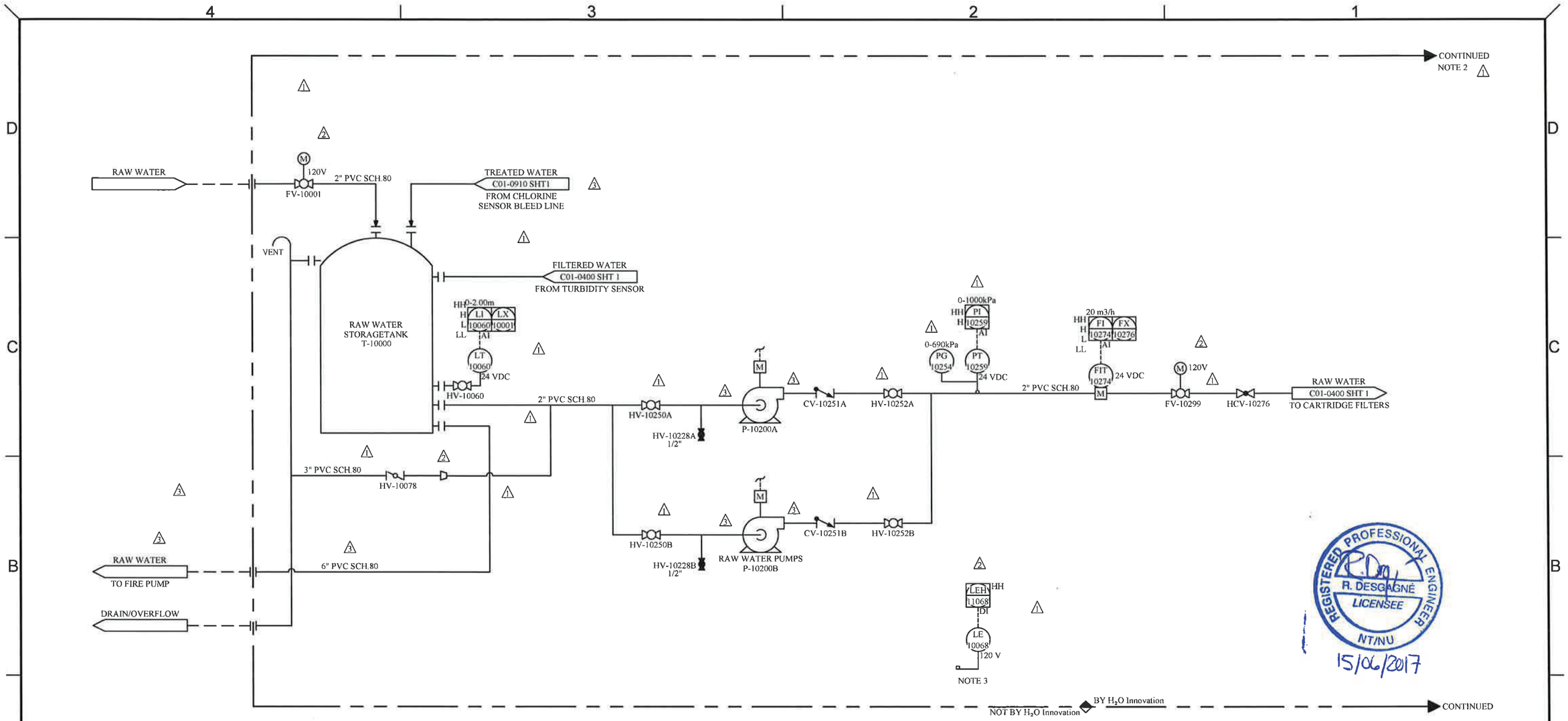
WTP CONTAINERIZED UNIT

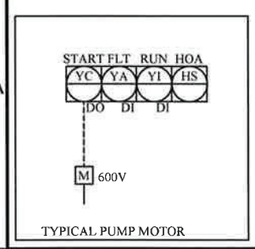
TITLE: PROCESS AND INSTRUMENTION DIAGRAMS LEGEND

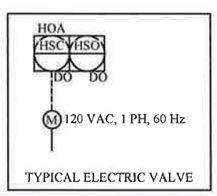
SCALE: N/A

DRAWING NUMBER: P65873-C01-0001 SHEET: 1 of 1

REVISION 04







NOTES:

1. ALL SIGNALS GOING INTO MCP-101.
2. EQUIPEMENT TO BE PLACED IN CONTAINER #1.
3. WATER LEAK DETECTOR

DRAWING REVISION

REV	DATE (DD/MM/YYYY)	REVISION DESCRIPTION	DRAWN	CHKD	ENG	APPVD
04	14/06/2017	AS INSTALLED	M.P.	M.B.	R.D.	A.M.
03	09/08/2016	AS BUILT	M.P.	S.B.	R.D.	A.M.
02	25/07/2016	REVISED AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
01	29/06/2016	AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
00	13/06/2016	INITIAL RELEASE	M.P.	S.B.	R.D.	A.M.

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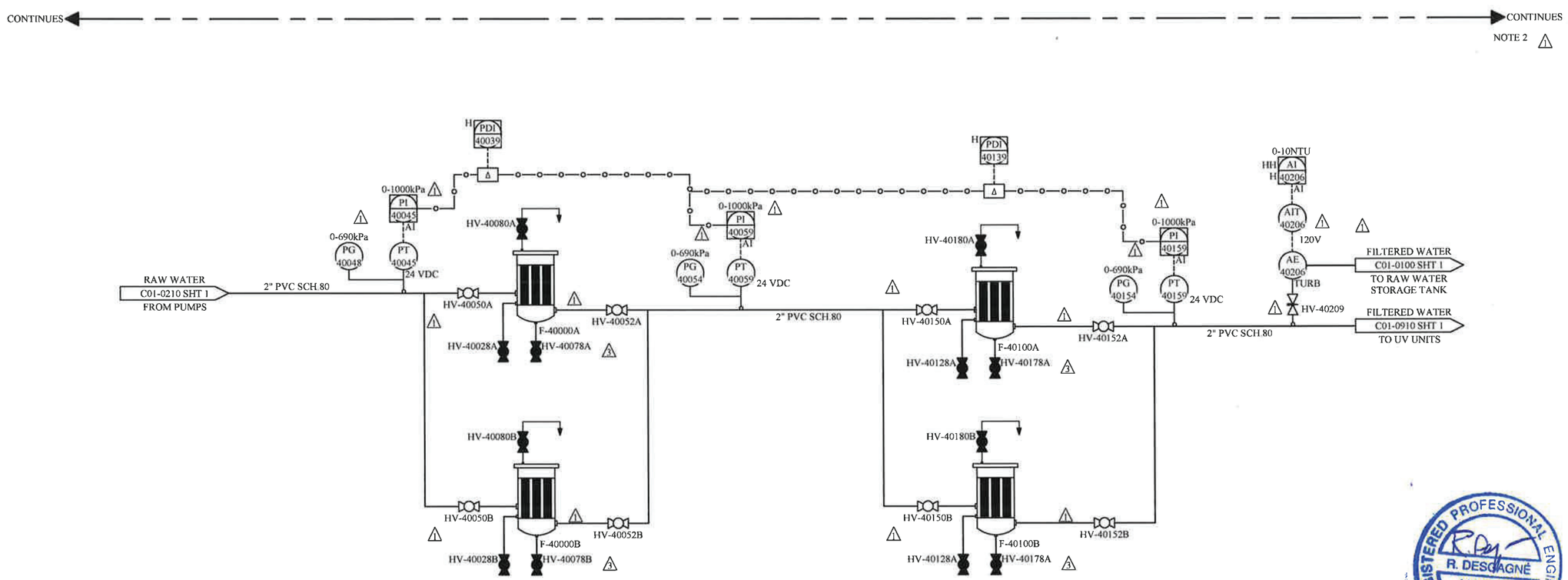
INTERPRETATION ANSI Y14.5
TOLERANCES
FRACTIONS ±1/16"
DECIMALS X.X ±0.030
X.XX ±0.015
ANGLES ±0.5°
HOLE SIZES ±1/32"
HOLE CENTERS ±1/32"
DO NOT SCALE PRINTS

MELIADINE

WTP CONTAINERIZED UNIT

TITLE:
RAW WATER FEED SYSTEM
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: P65873-C01-0100
SHEET: 1 of 1
REVISION 04



REGISTERED PROFESSIONAL ENGINEER
R. DESCHAGNÉ
LICENSEE
NT/NU
15/06/2017

NOTES:

1. ALL SIGNALS GOING INTO MCP-101.
2. EQUIPEMENT TO BE PLACED IN CONTAINER #1.

DRAWING REVISION

REV	DATE (DD/MM/YYYY)	REVISION DESCRIPTION	DRAWN	CHKD	ENG	APPVD
04	14/06/2017	AS INSTALLED	M.P.	M.B.	R.D.	A.M.
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01	29/06/2016	AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
00	13/06/2016	INITIAL RELEASE	M.P.	S.B.	R.D.	A.M.

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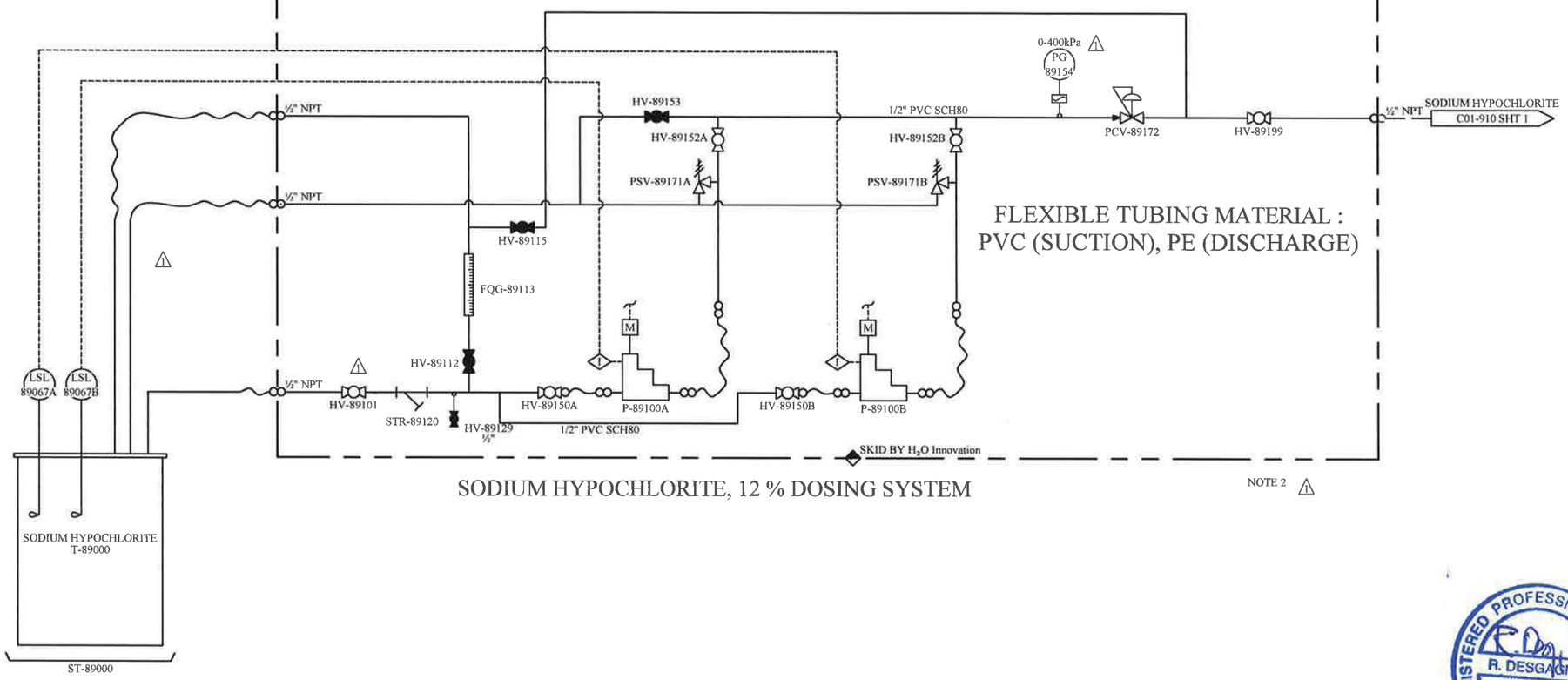
INTERPRETATION AND Y14.5
TOLERANCES
FRACTIONS ±1/32"
DECIMALS: 0.X ±0.030
0.XX ±0.015
ANGLES ±0.5°
HOLE SIZES ±1/32"
HOLE CENTERS ±1/32"
DO NOT SCALE PRINTS

MELIADINE

WTP CONTAINERIZED UNIT

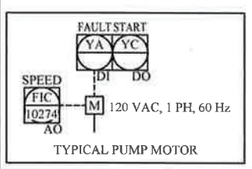
TITLE:
CARTRIDGE FILTERS
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: P65873-C01-0400
SHEET: 1 of 1
REVISION 04



FLEXIBLE TUBING MATERIAL :
PVC (SUCTION), PE (DISCHARGE)

SODIUM HYPOCHLORITE, 12 % DOSING SYSTEM



TYPICAL PUMP MOTOR

REGISTERED PROFESSIONAL ENGINEER
R. DESGAGNÉ
LICENSEE
NT/NU
15/06/2017

NOTES:

1. ALL SIGNALS GOING INTO MCP-101.
2. EQUIPEMENT TO BE PLACED IN CONTAINER #1.

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02	25/07/2016	REVISED AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
01	29/06/2016	AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
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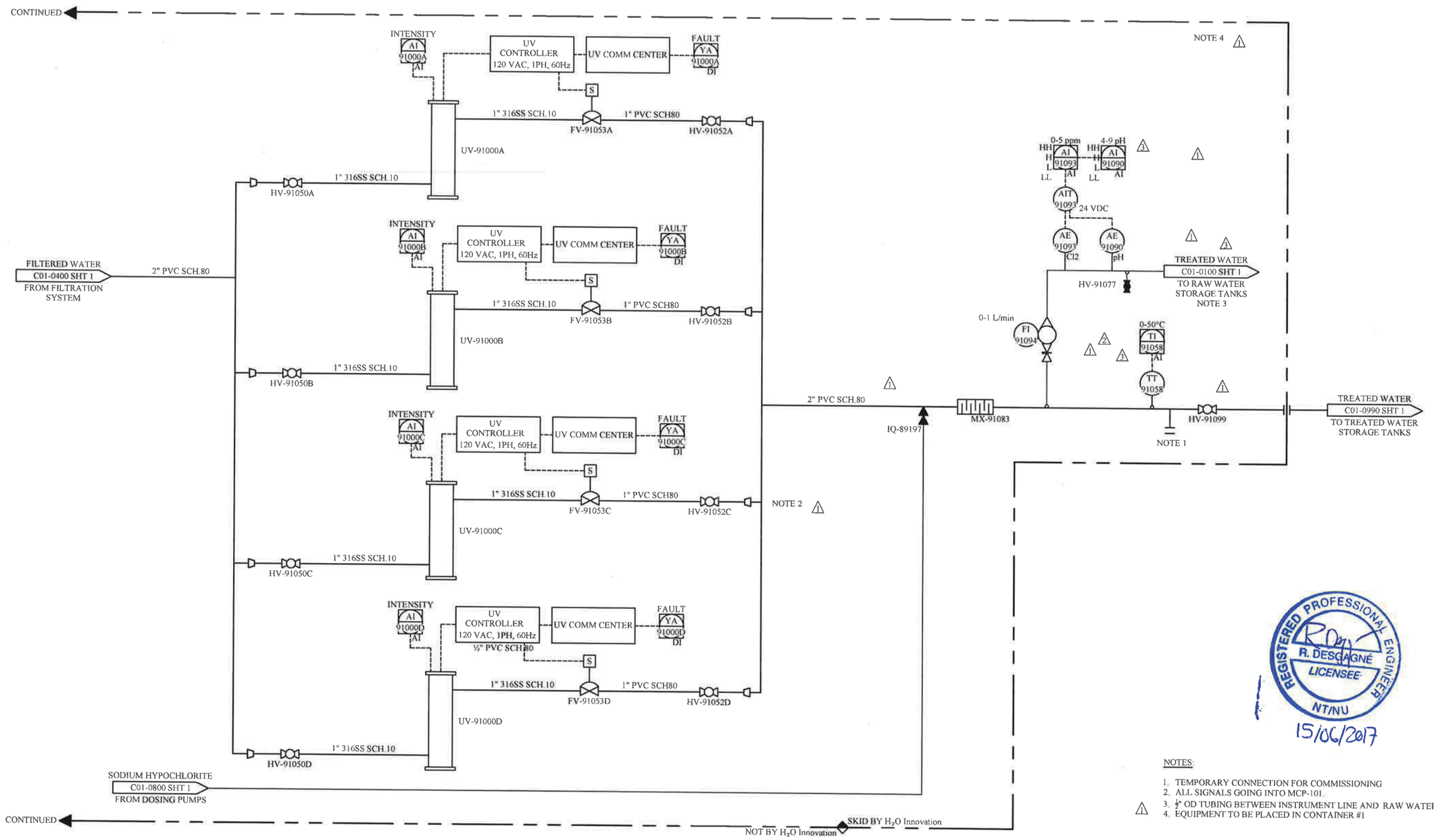
TOLERANCES
FRACTIONS ±1/4"
DECIMALS 0.X ±0.030
0.XX ±0.015
ANGLES ±0.5°
HOLE SIZES ±1/4"
HOLE CENTERS ±1/4"
DO NOT SCALE PRINTS

MELIADINE

WTP CONTAINERIZED UNIT

TITLE:
DOSING SKIDS - DUPLEX SOLENOID
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: P65873-C01-0800
SHEET: 1 of 1
REVISION 04



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R. DESGAGNÉ
LICENSEE
NT/NU
15/06/2017

NOTES:

1. TEMPORARY CONNECTION FOR COMMISSIONING
2. ALL SIGNALS GOING INTO MCP-101.
3. ½" OD TUBING BETWEEN INSTRUMENT LINE AND RAW WATER TANK.
4. EQUIPMENT TO BE PLACED IN CONTAINER #1

DRAWING REVISION

REV	DATE (DD/MM/YY)	REVISION DESCRIPTION	DRAWN	CHKD	ENG	APPVD
04	14/06/2017	AS INSTALLED	M.P.	M.B.	R.D.	A.M.
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02	25/07/2016	REVISED AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
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00	13/06/2016	INITIAL RELEASE	M.P.	S.B.	R.D.	A.M.

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INTERPRETATION ANSI Y14.5
TOLERANCES
FRACTIONS ±1/4"
DECIMALS 0.X ±0.030
0.XX ±0.015
0.XXX ±0.01
ANGLES ±0.5°
HOLE SIZES ±1/32"
HOLE CENTERS ±1/32"
DO NOT SCALE PRINTS

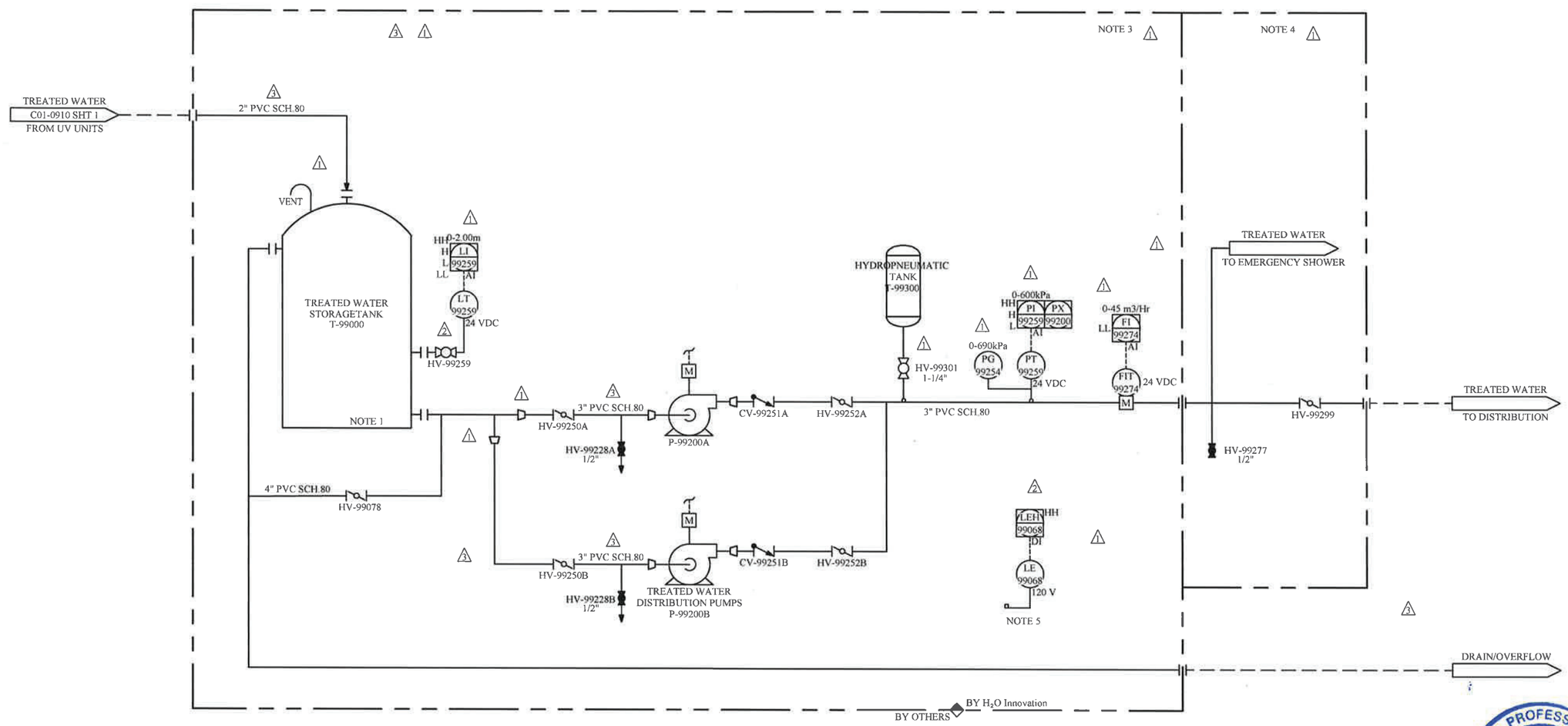
MELIADINE

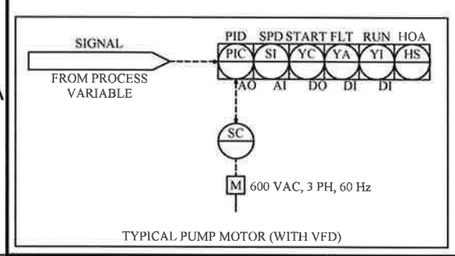
WTP CONTAINERIZED UNIT

TITLE:
UV TREATMENT UNITS
PROCESS & INSTRUMENTATION DIAGRAM

SCALE:	DRAWING NUMBER:	REVISION
N/A	P65873-C01-0910	04

SHEET: 1 of 1





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R. DESGAGNÉ
LICENSEE
NT/NU
15/06/2017

NOTES:

1. 5 TANKS IN SERIES LINKED TOGETHER
2. ALL SIGNALS GOING INTO MCP-101.
3. EQUIPMENT TO BE PLACED IN CONTAINER #2.
4. EQUIPMENT TO BE PLACED IN CONTAINER #1.
5. WATER LEAK DETECTOR

DRAWING REVISION

REV	DATE (DD/MM/YYYY)	REVISION DESCRIPTION	DRAWN	CHKD	ENG	APPVD
04	14/06/2017	AS INSTALLED	M.P.	M.B.	R.D.	A.M.
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02	25/07/2016	REVISED AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
01	29/06/2016	AS PER COMMENTS	M.P.	S.B.	R.D.	A.M.
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INTERPRETATION ANSI Y14.5
TOLERANCES
FRACTIONS ±1/2"
DECIMALS X.X ±0.030
X.XX ±0.015
X.XXX ±0.5"
ANGLES ±0.5°
HOLE SIZES ±1/2"
HOLE CENTERS ±1/2"
DO NOT SCALE PRINTS

MELIADINE

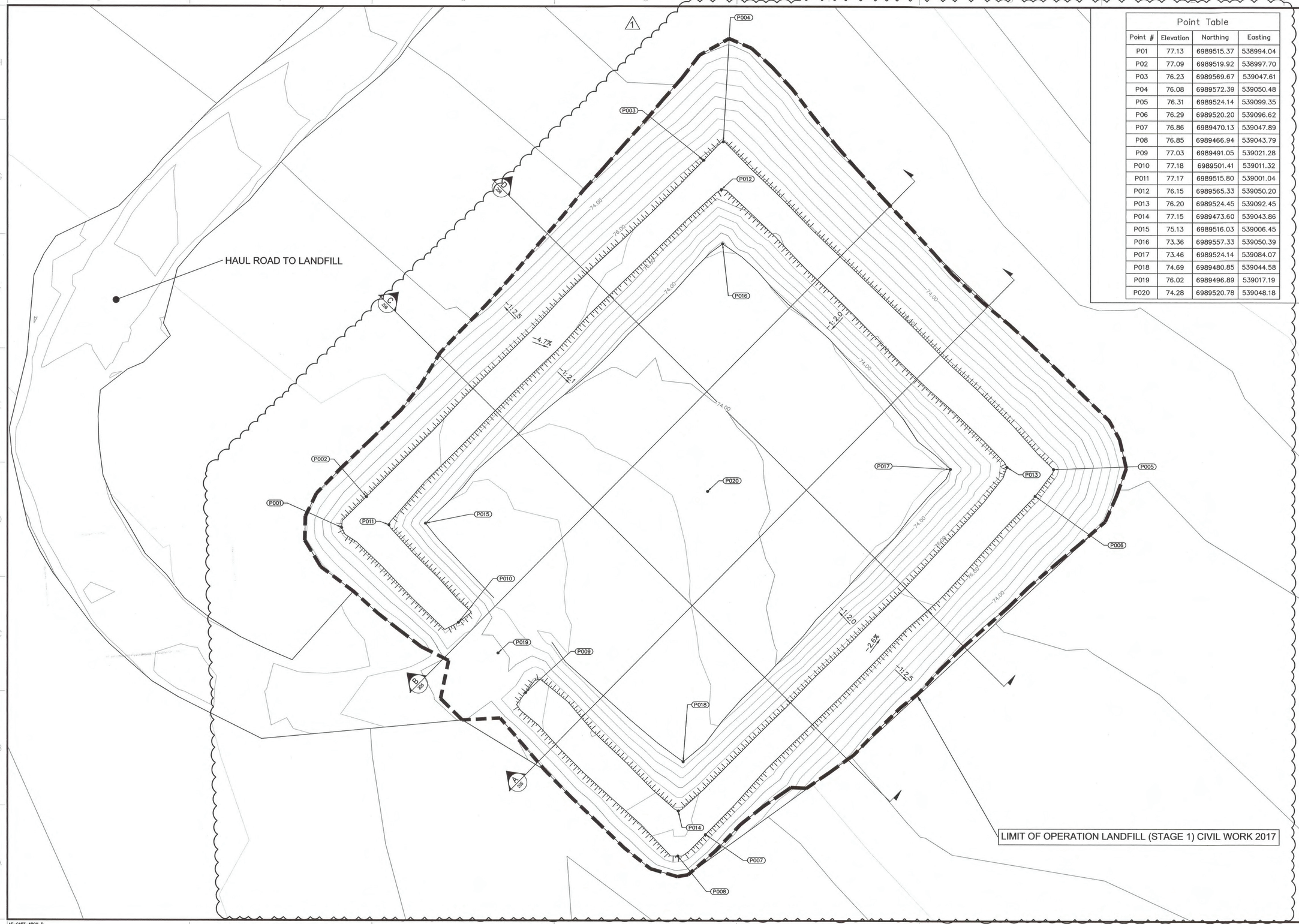
WTP CONTAINERIZED UNIT

TITLE:
TREATED WATER DISTRIBUTION SYSTEM
PROCESS & INSTRUMENTATION DIAGRAM

SCALE: N/A
DRAWING NUMBER: P65873-C01-0990
SHEET: 1 of 1
REVISION 04

NO. DESSIN
DRAWING NO. 65-697-230-204T0206_R1

FORMAT ARCHD



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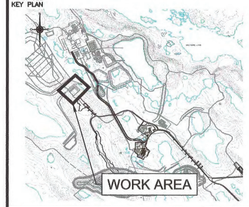
P03	76.23	6989569.67	539047.61
P04	76.08	6989572.39	539050.48
P05	76.31	6989524.14	539099.35
P06	76.29	6989520.20	539096.62
P07	76.86	6989470.13	539047.89
P08	76.85	6989466.94	539043.79
P09	77.03	6989491.05	539021.28
P010	77.18	6989501.41	539011.32
P011	77.17	6989515.80	539001.04
P012	76.15	6989565.33	539050.20
P013	76.20	6989524.45	539092.45
P014	77.15	6989473.60	539043.86
P015	75.13	6989516.03	539006.45
P016	73.36	6989557.33	539050.39
P017	73.46	6989524.14	539084.07
P018	74.69	6989480.85	539044.58
P019	76.02	6989496.89	539017.19
P020	74.28	6989520.78	539048.18

PLAN CLÉ
KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017-12-01

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DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

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

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2017-12-01	ISSUED AS-BUILT	CM	JA	
0	2017-02-08	ISSUED FOR CONSTRUCTION	GZ	KJ	
A	2017-01-23	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2017-12-01
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.I.F. ALARIE
LICENSE
2017-12-01

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
697 – LANDFILL
230 – GENERAL EARTH WORKS
OPERATION LANDFILL (STAGE 1)
LAYOUT PLAN

DESSINÉ PAR / DRAWN BY	EL	DATE 2017-01-23
VERIFIÉ PAR / CHECKED BY	GZ	2017-01-23
APPROUVÉ PAR / APPROVED BY	KJ	2017-01-23
ÉCHELLE / SCALE	1:250	DATE 2017-01-23

NO. DESSIN / DRAWING NO. 65-697-230-204

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

AE-CART-ARCH D

P:\28920\DESSIN\CIV-INFRA\DESSINS DE TRAVAIL\AUTOCAD\65-697-230-204to206_R1.dwg-2013-02-19 14:03:29

FILE NO. 65-697-230-204to206_R1.dwg

NO. DESSIN DRAWING NO. 65-697-230-204TO206_R1

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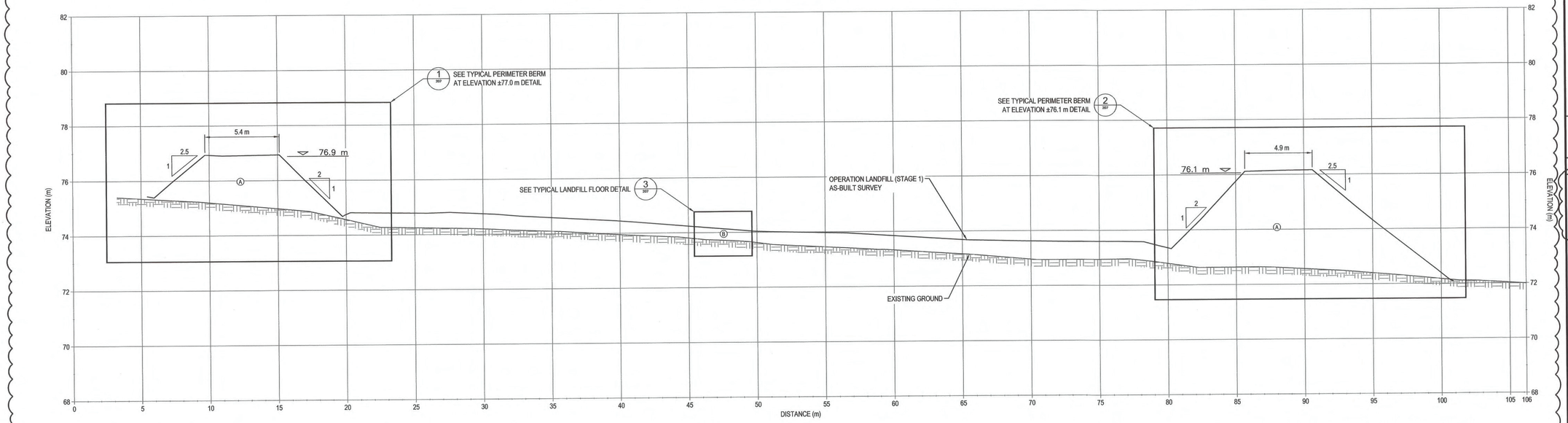
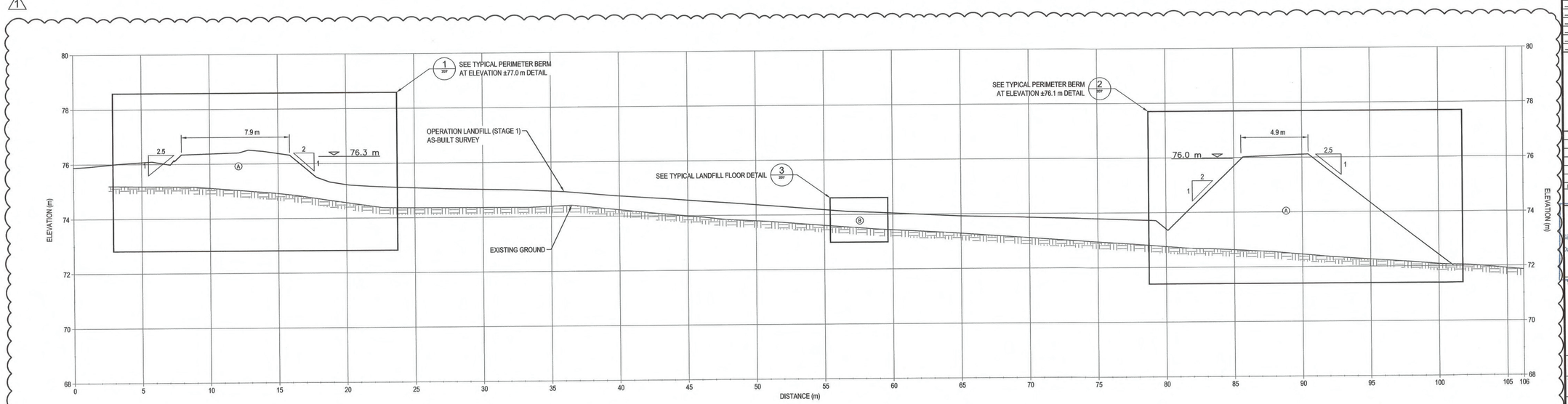
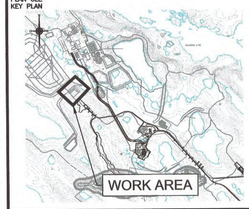


CROSS-SECTION A 204
SCALE: H-1:150 V-1:75



CROSS-SECTION B 204
SCALE: H-1:150 V-1:75

PLAN CLÉ KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

LEGEND

(A) ESKER GRANULAR FILL (CL. A) (600mm MINUS)

(B) GRANULAR FILL (50mm MINUS)

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017-12-01

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2017-12-01	ISSUED AS-BUILT	CM	JA	
0	2017-02-08	ISSUED FOR CONSTRUCTION	GZ	KJ	
A	2017-01-23	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2017-12-01
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.I.F. ALARIE
LICENSEE
2017-12-01

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
697 – LANDFILL
230 – GENERAL EARTH WORKS
OPERATION LANDFILL (STAGE 1)
CROSS SECTIONS A–A AND B–B

DESSINÉ PAR DRAWN BY	EL	DATE 2017-01-23
VERIFIÉ PAR CHECKED BY	GZ	2017-01-23
APPROUVÉ PAR APPROVED BY	KJ	2017-01-23
ÉCHELLE SCALE	AS SHOWN	DATE 2017-01-23

NO. DESSIN DRAWING NO. 65-697-230-205

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

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FILE NO. 65-697-230-204to206_R1.dwg

NO. DESSIN DRAWING NO. 65-697-230-204T0206_R1

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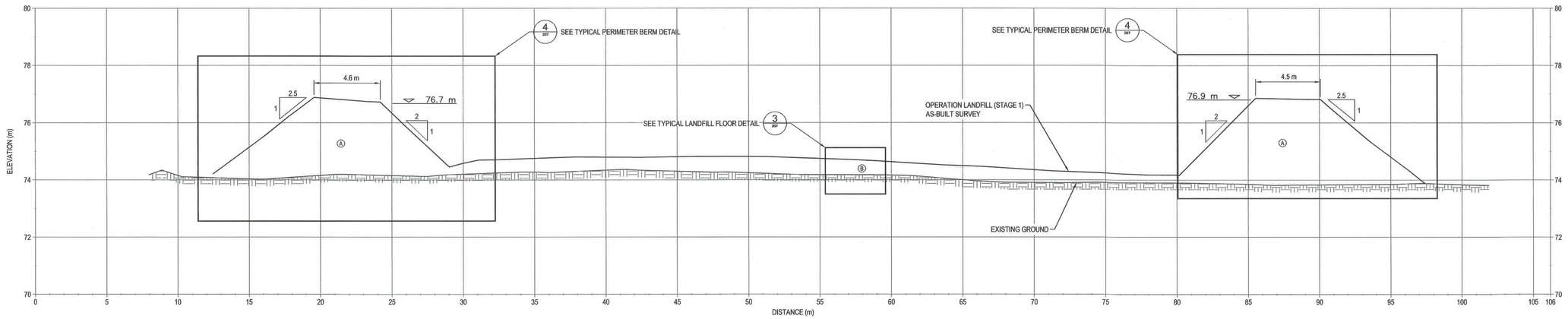

CROSS-SECTION C 204
SCALE: H-1:150 V-1:75

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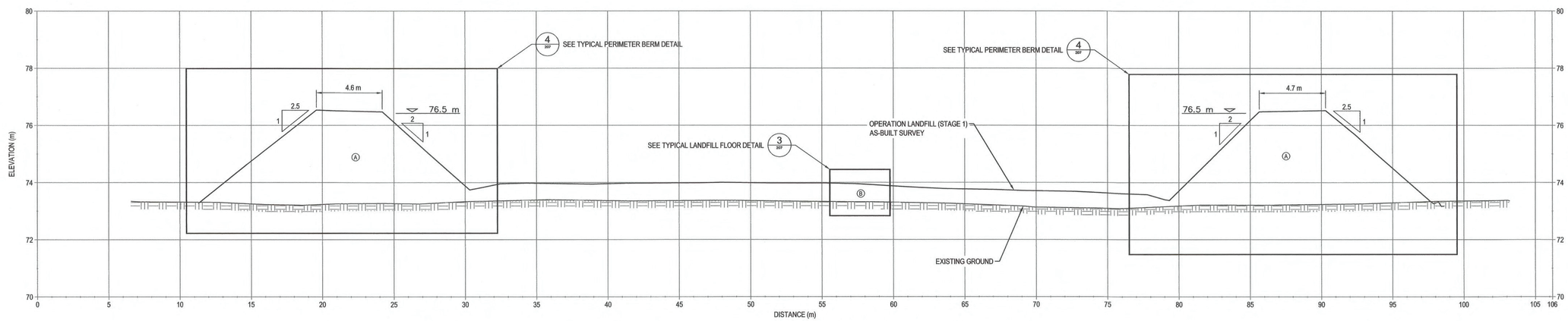

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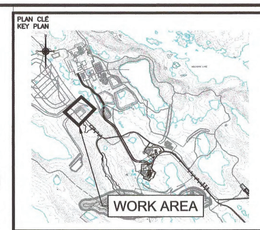
PLAN CLÉ
KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

LEGEND

Ⓐ ESKER GRANULAR FILL (CL. A) (600mm MINUS)

Ⓑ GRANULAR FILL (50mm MINUS)

1

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017-12-01

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2017-12-01	ISSUED AS-BUILT	CM	JA	
D	2017-02-08	ISSUED FOR CONSTRUCTION	GZ	KJ	
A	2017-01-23	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2017-12-01
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

LICENSED PROFESSIONAL ENGINEER
J.M.I.F. ALARIE
LICENSEE
2017-12-01

TITRE / TITLE
AGNICO EAGLE – MELIADINE DIVISION
697 – LANDFILL
230 – GENERAL EARTH WORKS
OPERATION LANDFILL (STAGE 1)
CROSS SECTIONS C-C AND D-D

DESSINÉ PAR DRAWN BY	EL	DATE 2017-01-23
VERIFIÉ PAR CHECKED BY	GZ	2017-01-23
APPROUVÉ PAR APPROVED BY	KJ	2017-01-23
ÉCHELLE SCALE	AS SHOWN	DATE 2017-01-23
NO. DESSIN DRAWING NO.	65-697-230-206	
NO. PROJET PROJECT NO.	6515 / 28920	REVISION 1 / FEUILLE / SHT 1 / 1

AE-CART-ARCH D

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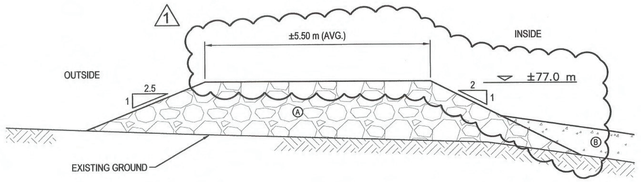
FILE NO. 65-697-230-204to206_R1.dwg

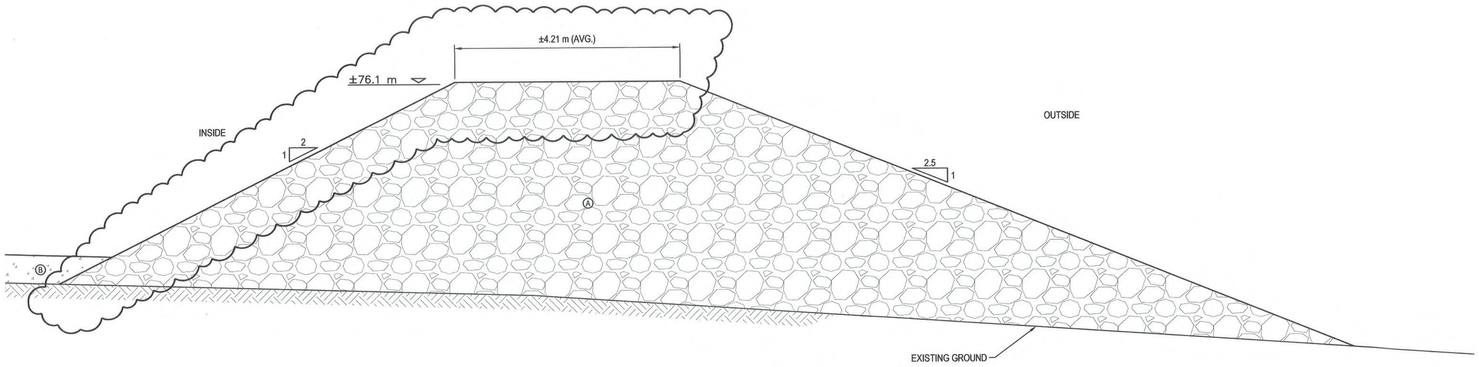
NO. DESSIN DRAWING NO. 65–697–230–204TO206_R1

FORMAT ARCHD



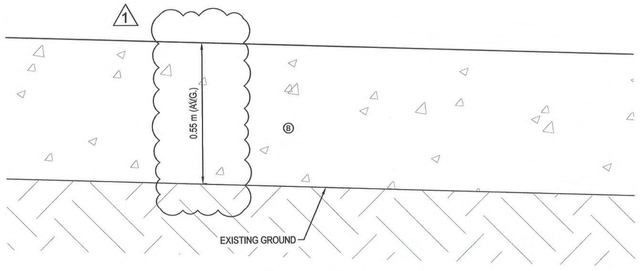
TYPICAL PERIMETER BERM AT ELEVATION ±77.0 m (1 / 205)

NTS



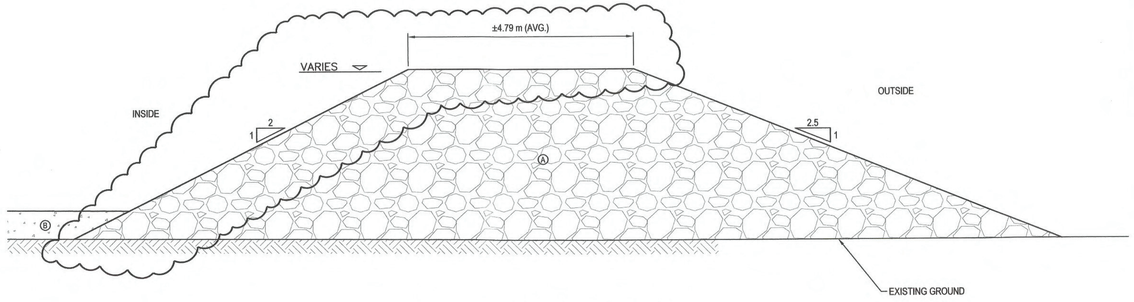
TYPICAL PERIMETER BERM AT ELEVATION ±76.1 m (2 / 205)

NTS



TYPICAL LANDFILL FLOOR (3 / 205)

NTS



TYPICAL PERIMETER BERM (4 / 206)

NTS

1

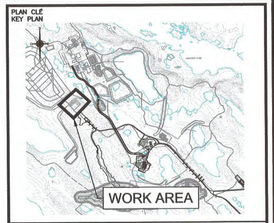
ESTIMATED IN–PLACE MATERIAL QUANTITIES FOR CONSTRUCTION OF OPERATION LANDFILL STAGE 1			
	ITEM	UNIT	ESTIMATED IN–PLACE QUANTITY
A	EKSER GRANULAR FILLL (600mm MINUS)	m³	9,750
B	GRANULAR FILL (50mm MINUS)	m³	1,649

IT SHOULD BE NOTED THAT THE ACTUAL QUANTITIES COULD BE DIFFERENT FROM THE ESTIMATED DUE TO THE FOLLOWING REASONS:

- ORIGINAL GROUND CONDITIONS / ELEVATIONS MAY BE DIFFERENT FROM THE TOPOGRAPHIC DATA USED FOR THE DESIGN.
- THE FIELD OBSERVATIONS DURING CONSTRUCTION MAY LEAD TO DESIGN AND CONSTRUCTION RELATED MODIFICATIONS, WHICH MAY IN TURN AFFECT THE QUANTITIES.
- THE ORIGINAL GROUND MAY SETTLE DURING CONSTRUCTION.

1

PLAN CLÉ KEY PLAN



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

LEGEND

A ESKER GRANULAR FILL (CL. A) (600mm MINUS)

B GRANULAR FILL (50mm MINUS)

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2017–12–01

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
1	2017–12–01	ISSUED AS–BUILT	CM	JA	
0	2017–02–08	ISSUED FOR CONSTRUCTION	GZ	KJ	
A	2017–01–23	ISSUED FOR REVIEW	GZ	KJ	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2017–12–01
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.T.F. ALARIE
LICENSEE
2017-12-01

TITRE / TITLE

AGNICO EAGLE – MELIADINE DIVISION
697 – LANDFILL
230 – GENERAL EARTH WORKS
OPERATION LANDFILL (STAGE 1)
TYPICAL DETAILS AND MATERIAL QUANTITIES

DESSINÉ PAR DRAWN BY	EL	DATE	2017–01–23
VERIFIÉ PAR CHECKED BY	GZ		2017–01–23
APPROUVÉ PAR APPROVED BY	KJ		2017–01–23
ÉCHELLE SCALE	AS SHOWN	DATE	2017–01–23
NO. DESSIN DRAWING NO.	65–697–230–207		
NO. PROJET PROJECT NO.	6515 / 28920	REVISION 1	FEUILLE / SHT 1 / 1

AE–CART–ARCH D

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FILE NO. 65–697–230–204to206_R1.dwg

NO. DESSIN
DRAWING NO. 65-696-230-201

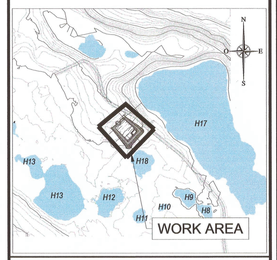
0 50 100 150 200 250 300mm

FORMAT ARCHD

FINISHED GRADE POINT TABLE

Point #	Elevation	Northing	Easting	Description
1	74.44	6989938.56	539495.47	INSIDE CORNER
2	74.49	6989900.75	539458.24	INSIDE CORNER
3	72.49	6989849.26	539511.04	INSIDE CORNER
4	72.50	6989888.69	539548.38	INSIDE CORNER
5	72.50	6989894.59	539541.32	SUMP CORNER
6	72.50	6989883.59	539527.99	SUMP CORNER
7	72.49	6989872.13	539533.50	SUMP CORNER
8	75.09	6989941.32	539495.37	BERM CREST
9	74.53	6989947.54	539494.94	BERM CREST
10	74.70	6989924.76	539471.58	BERM CREST
11	73.35	6989931.01	539468.02	BERM CREST
12	73.21	6989921.83	539458.98	BERM CREST
13	74.65	6989918.88	539466.98	BERM CREST
14	75.12	6989900.69	539456.88	BERM CREST
15	74.57	6989901.09	539450.10	BERM CREST
16	75.01	6989840.79	539510.94	BERM CREST
17	74.47	6989832.99	539510.95	BERM CREST
18	75.08	6989888.42	539557.78	BERM CREST
19	74.50	6989889.40	539565.12	BERM CREST
20	73.43	6989898.35	539539.83	FILTER CREST
21	73.32	6989897.87	539540.21	FILTER CREST
22	73.34	6989880.63	539523.79	FILTER CREST
23	73.35	6989880.64	539522.83	FILTER CREST
24	73.00	6989870.13	539532.86	FILTER CREST
25	73.01	6989869.61	539532.20	FILTER CREST

PLAN CLÉ
KEY PLAN



NOTES GÉNÉRALES / GENERAL NOTES

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2018-02-02

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
2	2018-02-02	ISSUED AS-BUILT - GENERAL REVISION	CM	JA	
1	2017-06-01	RE-ISSUED FOR CONSTRUCTION	EL	GZ	
0	2017-02-08	ISSUED FOR CONSTRUCTION	EP	GZ	
A	2017-01-16	ISSUED FOR REVIEW	EP	GZ	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH NOTRE DAME INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2015-02-01
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.I.F. ALARIE
LICENSEE
2015-02-02

AGNICO EAGLE MELIADINE GOLD PROJECT

LANDFARM
LAYOUT PLAN

DESSINÉ PAR DRAWN BY	EP	DATE	2017-01-16
VERIFIÉ PAR CHECKED BY	GZ		2017-01-16
APPROUVÉ PAR APPROVED BY			
ÉCHELLE SCALE	1:300	DATE	2017-01-16
NO. DESSIN DRAWING NO.	65-696-230-201		
NO. PROJET PROJECT NO.	6515	REVISION 2	FEUILLE / SHT. 2 / 6

AE-CART-ARCH D

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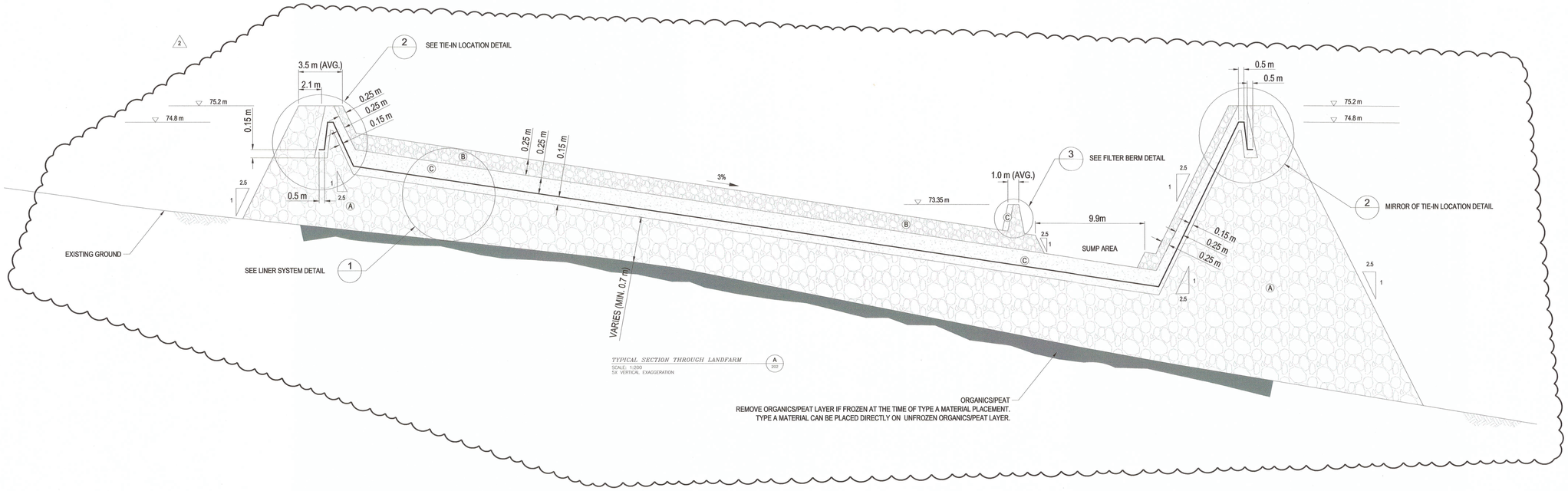
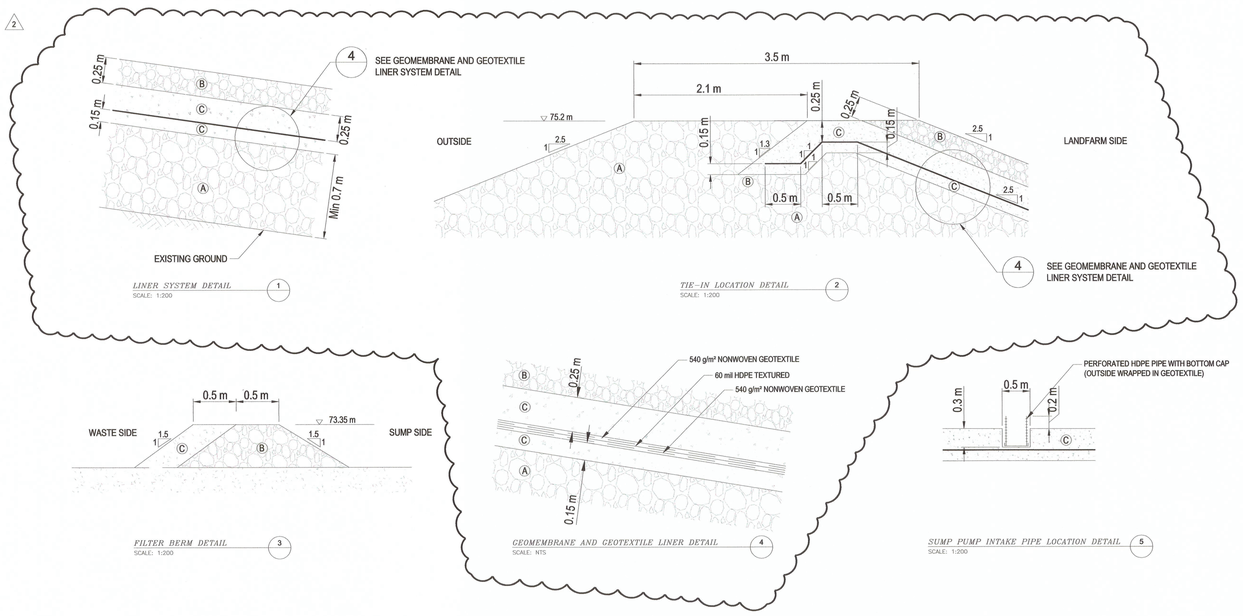
FILE NO. 65-696-230-2011to205_R2.dwg

NO. DESSIN
DRAWING NO. 65-696-230-201

FORMAT ARCHD

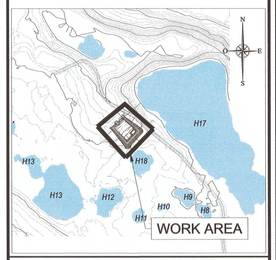


TYPICAL SECTION THROUGH LANDFARM (A / 202)
SCALE: 1:200
5X VERTICAL EXAGGERATION



QUANTITIES CONSTRUCTION CHART		
LANDFARM		
MATERIAL		QUANTITIES
A	600mm MINUS CL. A Esker Material	18 193 m³
B	Transition Rockfill (200mm MINUS)	1 491 m³
C	Granular Fill (30mm MINUS)	2 759 m³
	HDPE Geomembrane	6 131 m²
	Non-woven Geotextile	12 262 m²

PLAN CLÉ
KEY PLAN



NOTES GÉNÉRALES / GENERAL NOTES

(A) ESKER CL. A MATERIAL (600 mm MINUS)
(B) TRANSITION ROCKFILL (200 mm MINUS)
(C) GRANULAR FILL (30 mm MINUS)

TEL QUE CONSTRUIT
AS BUILT
AGNICO EAGLE
DATE : 2018-02-02

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
2	2018-02-02	ISSUED AS-BUILT	CM	JA	
1	2017-06-01	RE-ISSUED FOR CONSTRUCTION	EL	GZ	
0	2017-02-08	ISSUED FOR CONSTRUCTION	EP	GZ	
A	2017-01-16	ISSUED FOR REVIEW	EP	GZ	

REVISIONS

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature
Date 2015-08-01
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.I.F. ALARIE
LICENSEE
2018-02-02

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT
LANDFARM
TYPICAL DESIGN SECTION, DETAILS, AND QUANTITIES

DESSINÉ PAR / DRAWN BY	EP	DATE 2017-01-16
VERIFIÉ PAR / CHECKED BY	GZ	2017-01-16
APPROUVÉ PAR / APPROVED BY		
ÉCHELLE / SCALE	1:200	DATE 2017-01-16
NO. DESSIN / DRAWING NO.	65-696-230-202	
NO. PROJET / PROJECT NO.	6515	REVISION 2 / FEUILLE / SHT. 3 / 6

AE-CART-ARCH D

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FILE NO. 65-696-230-201to205_R2.dwg

NO. DESSIN
DRAWING NO.

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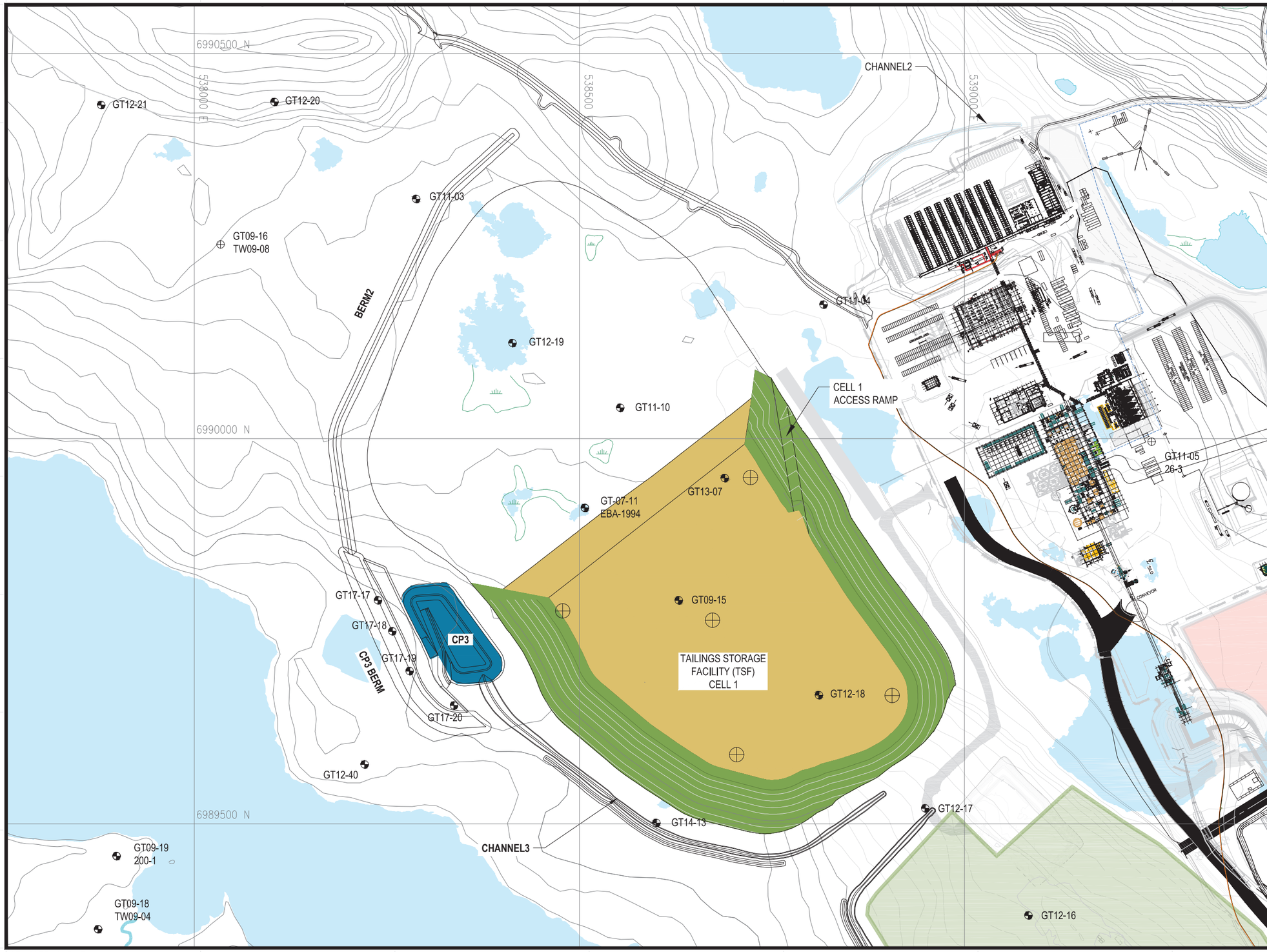

LEGEND

- WASTE ROCK
- ORE
- TAILINGS
- WATER COLLECTION POND
- BOREHOLE
- PROPOSED GROUND TEMPERATURE CABLE LOCATION

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Nov. 14, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
G. ZHANG
LICENSEE
NOV. 14 2018
NWT/NU

AGNICO EAGLE

TETRA TECH

POUR CONSTRUCTION
FOR CONSTRUCTION
DATE : 11/14/2018

TITRE / TITLE	# DWG
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DESSINS EN RÉFÉRENCE/REFERENCE DRAWINGS

REV	DESCRIPTION	DATE	PAR BY
0	ISSUED FOR CONSTRUCTION	2018–11–14	
B	ISSUED FOR REVIEW	2018–11–06	
A	ISSUED FOR REVIEW	2018–11–05	

REVISIONS

DESSINÉ PAR DRAWN BY	EL/EP	DATE	2018–11–14
VÉRIFIÉ PAR CHECKED BY	GZ/WTH		2018–11–14
APPROUVÉ PAR APPROVED BY			
No. PROJET PROJECT NO.			
DATE			

TITRE / TITLE
MELIADINE TAILINGS STORAGE FACILITY DESIGN

YEAR 2

ÉCHELLE/ SCALE	FICHIER FILE .DWG		
No. DESSIN/ DRAWING NO.		REVISION	FEUILLE/SHT
6515–583–163–002		0	2 / 8

AE–CART–ANSI B

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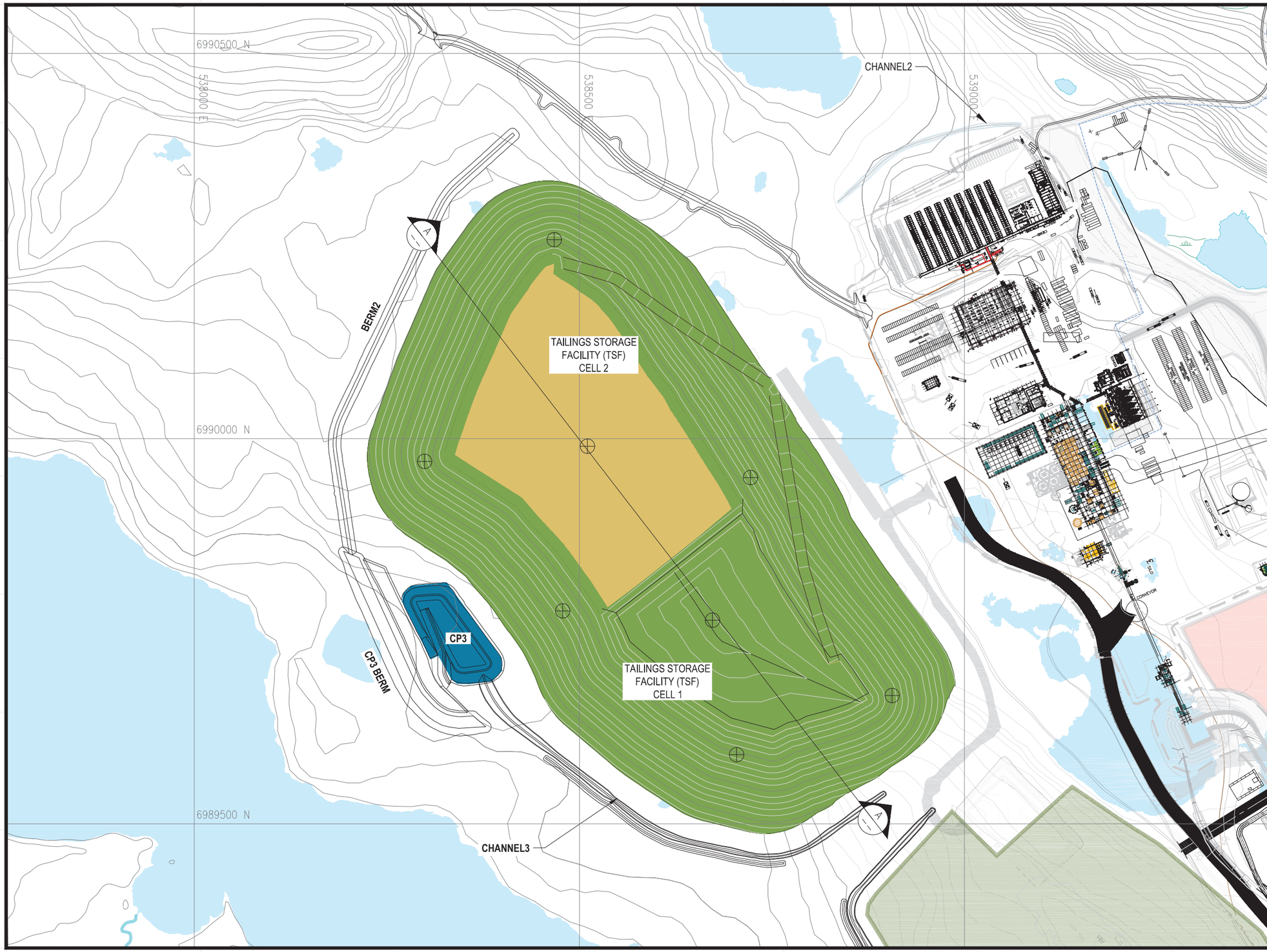
NO. DESSIN
DRAWING NO.

FORMAT ANSI B–11x17



LEGEND

- WASTE ROCK
- ORE
- TAILINGS
- WATER COLLECTION POND
- ⊕ PROPOSED GROUND TEMPERATURE CABLE LOCATION

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Nov. 14, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
G. ZHANG
LICENSEE
NOV. 14 2018
NWT/NU

AGNICO EAGLE

TETRA TECH

POUR CONSTRUCTION
FOR CONSTRUCTION
DATE : 11/14/2018

TITRE / TITLE	# DWG
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DESSINS EN RÉFÉRENCE/REFERENCE DRAWINGS

REV	DESCRIPTION	DATE	PAR BY
0	ISSUED FOR CONSTRUCTION	2018–11–14	
B	ISSUED FOR REVIEW	2018–11–06	
A	ISSUED FOR REVIEW	2018–11–05	

REVISIONS

DESSINÉ PAR DRAWN BY	EL/EP	DATE	2018–11–14
VÉRIFIÉ PAR CHECKED BY	GZ/WTH		2018–11–14
APPROUVÉ PAR APPROVED BY			
No. PROJET PROJECT NO.			
DATE			

TITRE / TITLE
MELIADINE TAILINGS STORAGE FACILITY DESIGN

YEAR 7

ÉCHELLE/ SCALE	FICHIER FILE .DWG		
No. DESSIN/ DRAWING NO. 6515–583–163–003		REVISION 0	FEUILLE/SHT 3 / 8

AE–CART–ANSI B

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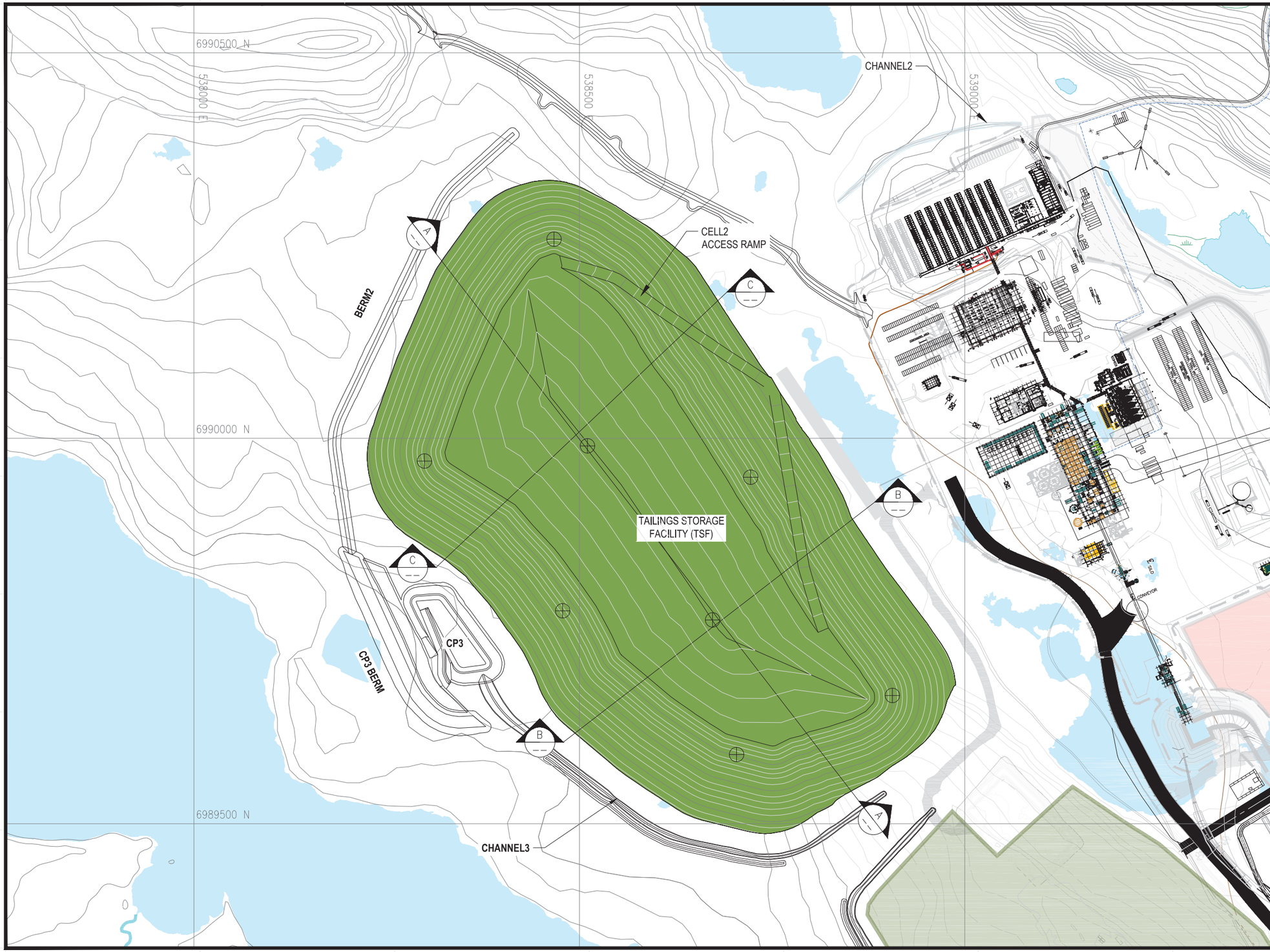
NO. DESSIN
DRAWING NO.

FORMAT ANSI B–11x17



LEGEND

- WASTE ROCK
- ORE
- TAILINGS
- PROPOSED GROUND TEMPERATURE CABLE LOCATION

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Nov. 14, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
G. ZHANG
LICENSEE
NWT/NU
Nov. 14, 2018

AGNICO EAGLE

TETRA TECH

POUR CONSTRUCTION
FOR CONSTRUCTION
DATE : 11/14/2018

TITRE / TITLE	# DWG

DESSINS EN RÉFÉRENCE/REFERENCE DRAWINGS

REV	DESCRIPTION	DATE	PAR BY
0	ISSUED FOR CONSTRUCTION	2018–11–14	
B	ISSUED FOR REVIEW	2018–11–06	
A	ISSUED FOR REVIEW	2018–11–05	

REVISIONS

DESSINÉ PAR / DRAWN BY	EL/EP	DATE	2018–11–14
VÉRIFIÉ PAR / CHECKED BY	GZ/WTH		2018–11–14
APPROUVÉ PAR / APPROVED BY			
No. PROJET / PROJECT NO.			
DATE			

TITRE / TITLE
MELIADINE TAILINGS STORAGE FACILITY DESIGN

CLOSURE

ÉCHELLE/ SCALE	FICHIER / FILE .DWG		
No. DESSIN/ DRAWING NO. 6515–583–163–004		REVISION 0	FEUILLE/SHT 4 / 8

AE–CART–ANSI B

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NO. DESSIN
DRAWING NO.

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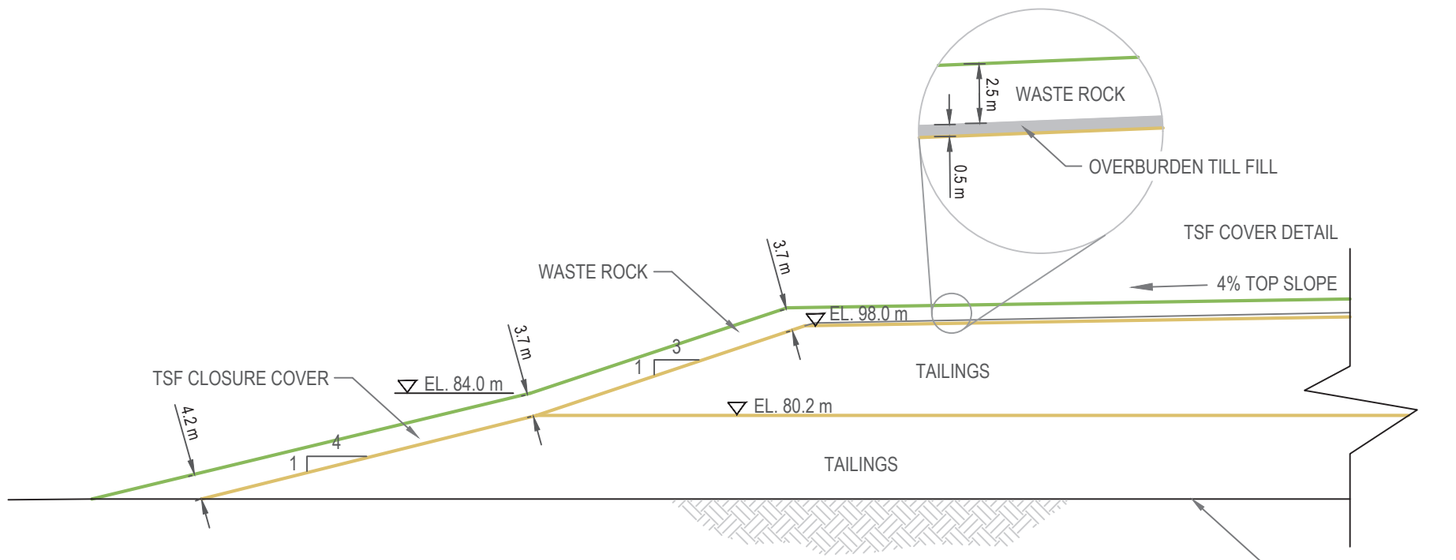
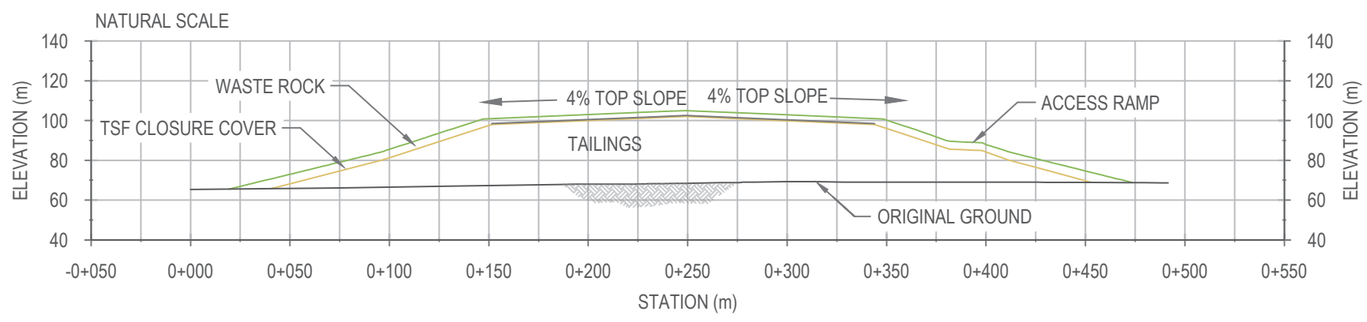
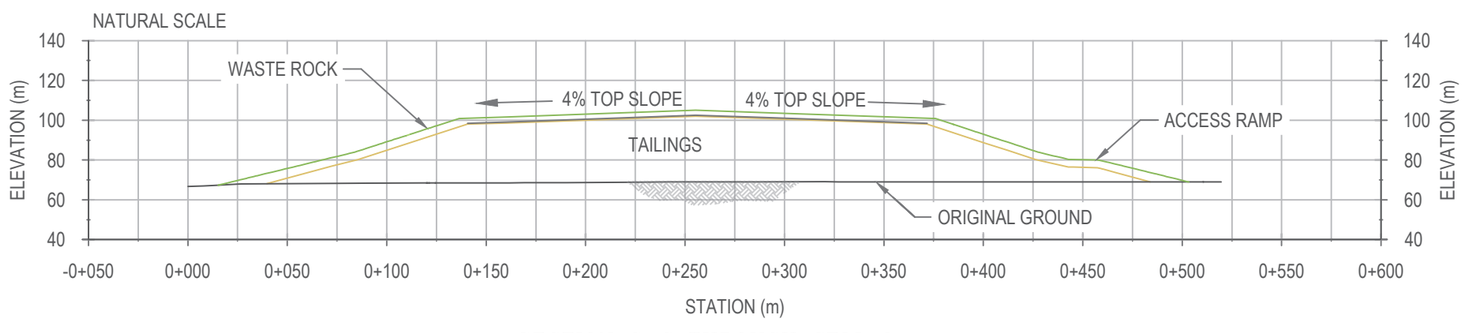


NOTE: TSF CLOSURE COVER THICKNESS AND CONFIGURATION TO BE FINALIZED DURING THE DEVELOPMENT OF THE FINAL CLOSURE COVER DESIGN PENDING PERFORMANCE MONITORING OF DRY STACKED TAILINGS FACILITY DURING OPERATION.

TYPICAL DESIGN SECTION FOR TSF



SECTION B–B THROUGH CELL 1



SECTION C–C THROUGH CELL 2

NOTES:

PERMIT TO PRACTICE
TETRA TECH CANADA INC.
Signature
Date Nov. 14, 2018
PERMIT NUMBER: P 018
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
G. ZHANG
LICENSEE
NWT/NU

AGNICO EAGLE

TETRA TECH

POUR CONSTRUCTION
FOR CONSTRUCTION
DATE : 11/14/2018

TITRE / TITLE	# DWG
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DESSINS EN RÉFÉRENCE/REFERENCE DRAWINGS

REV	DESCRIPTION	DATE	PAR BY
0	ISSUED FOR CONSTRUCTION	2018–11–14	
B	ISSUED FOR REVIEW	2018–11–06	
A	ISSUED FOR REVIEW	2018–11–05	

REVISIONS

DESSINÉ PAR DRAWN BY	EP	DATE	2018–11–14
VÉRIFIÉ PAR CHECKED BY	GZ/WTH		2018–11–14
APPROUVÉ PAR APPROVED BY			
No. PROJET PROJECT NO.			
DATE			

TITRE / TITLE
MELIADINE TAILINGS STORAGE FACILITY DESIGN

TYPICAL DESIGN SECTION OF TSF AND SECTIONS B–B AND C–C THROUGH CELLS 1 AND 2

ÉCHELLE/ SCALE	FICHIER FILE .DWG		
No. DESSIN/ DRAWING NO. 6515–583–163–005		REVISION 0	FEUILLE/SHT 5 / 9

AE–CART–ANSI B

Q:\Edmonton\Engineering\E141\Projects_MELIADINE\2018 TSF & WRSF1\Figure 5.dwg

Figure 3: Proposed Waterlines Alignment along the All-weather Access Road

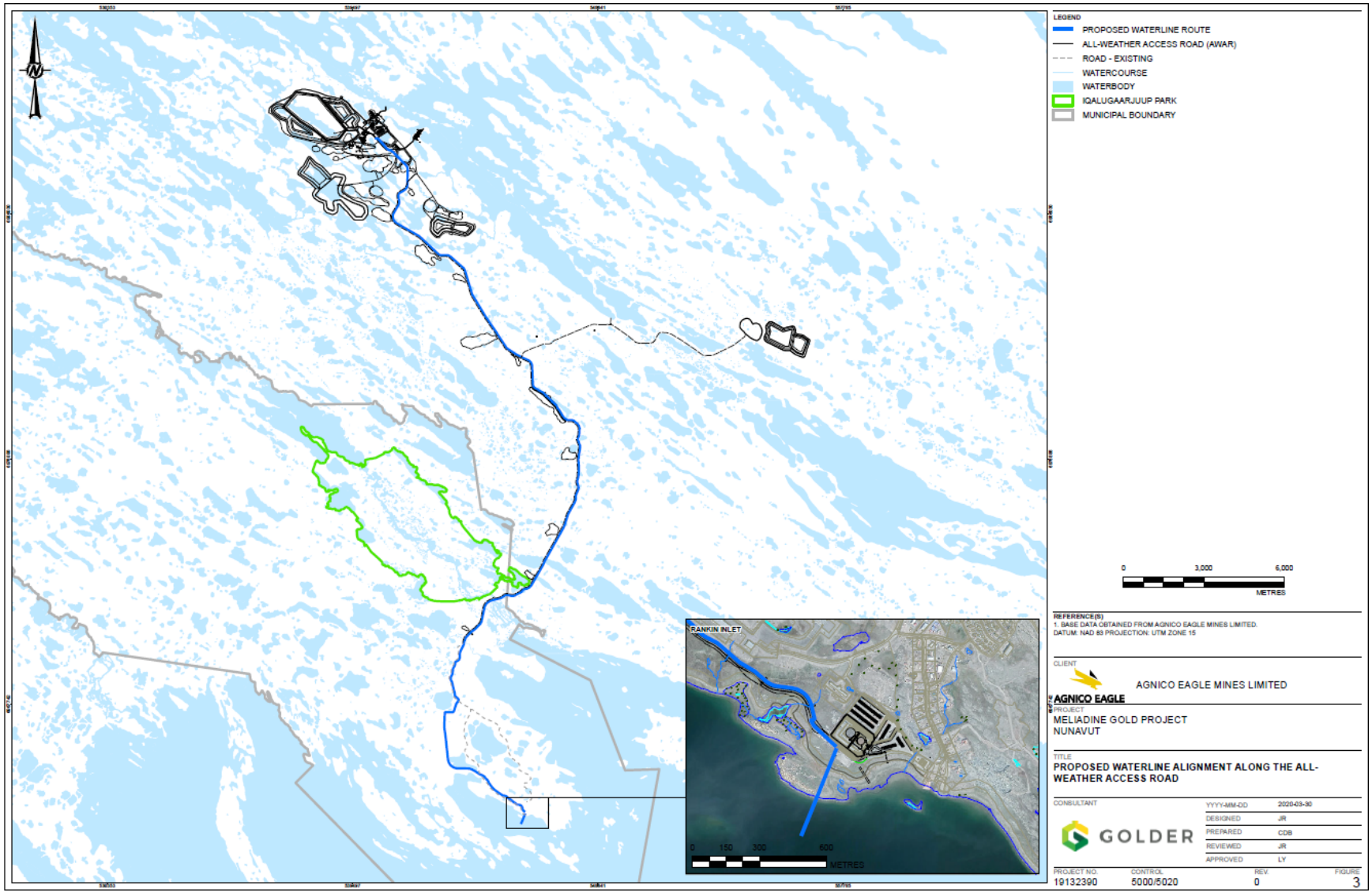


Figure 4a: Typical Drawing for Waterline Watercourse Crossings

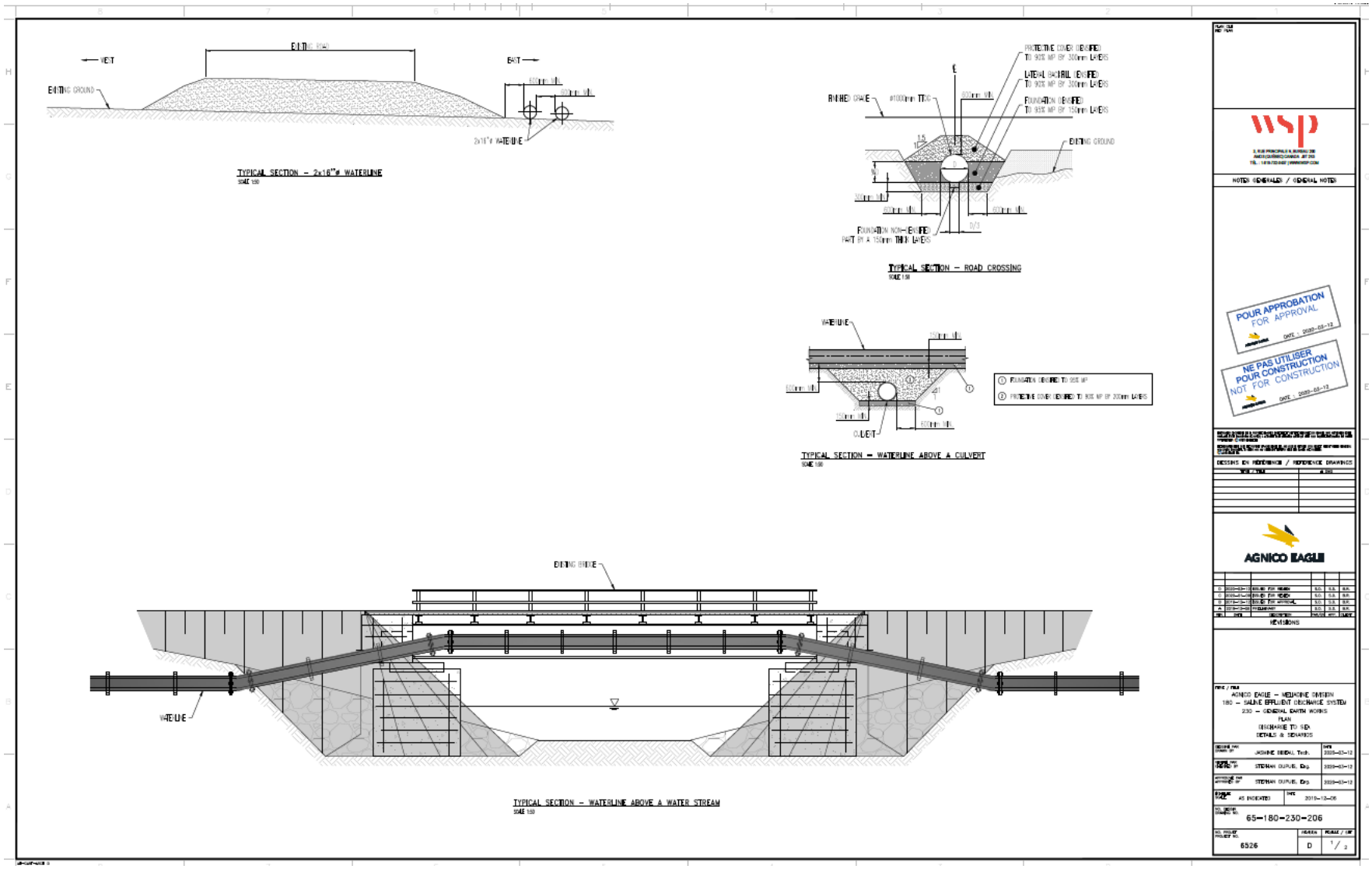


Figure 4b: Typical Drawing for Waterline Attached to a Bridge

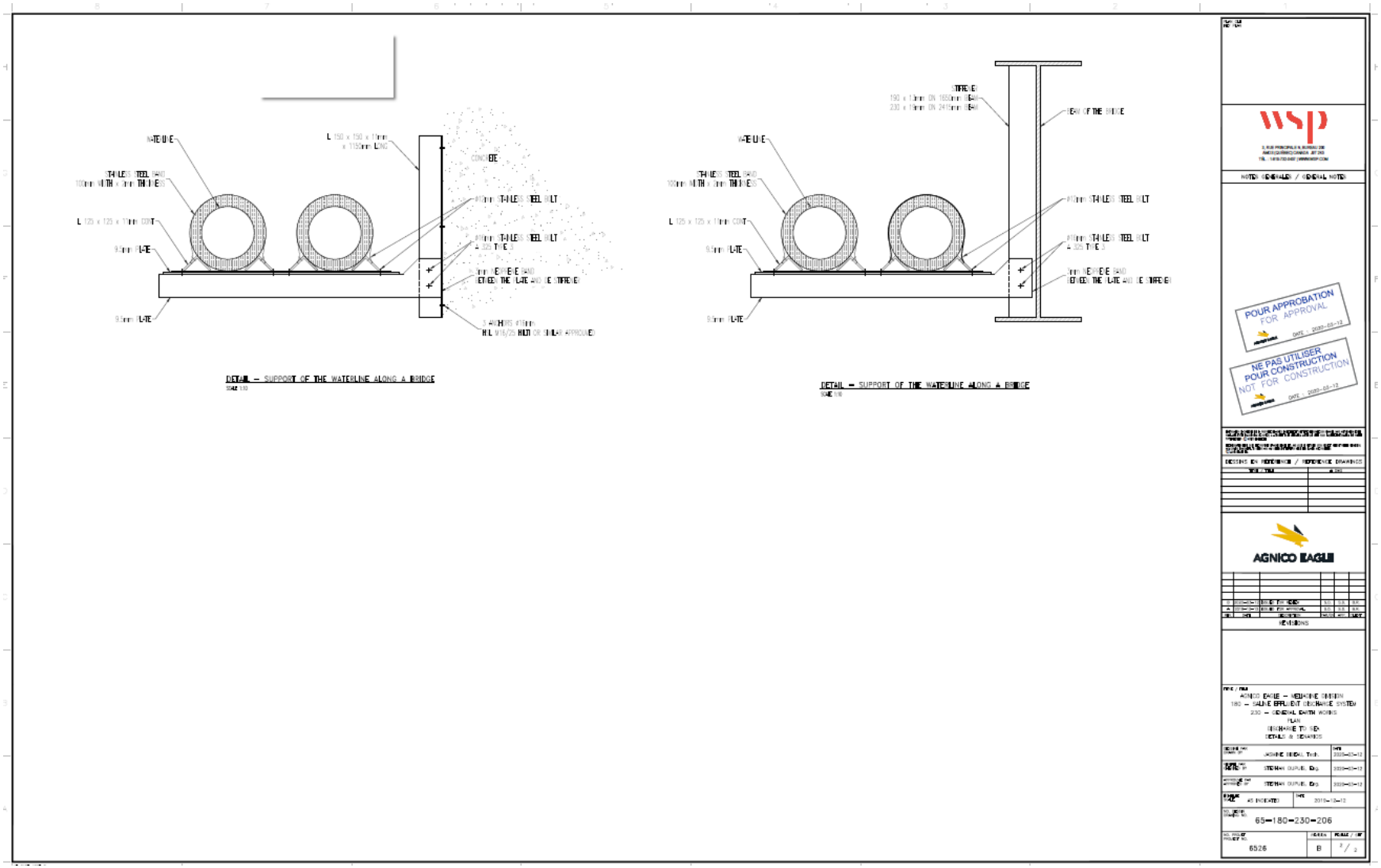
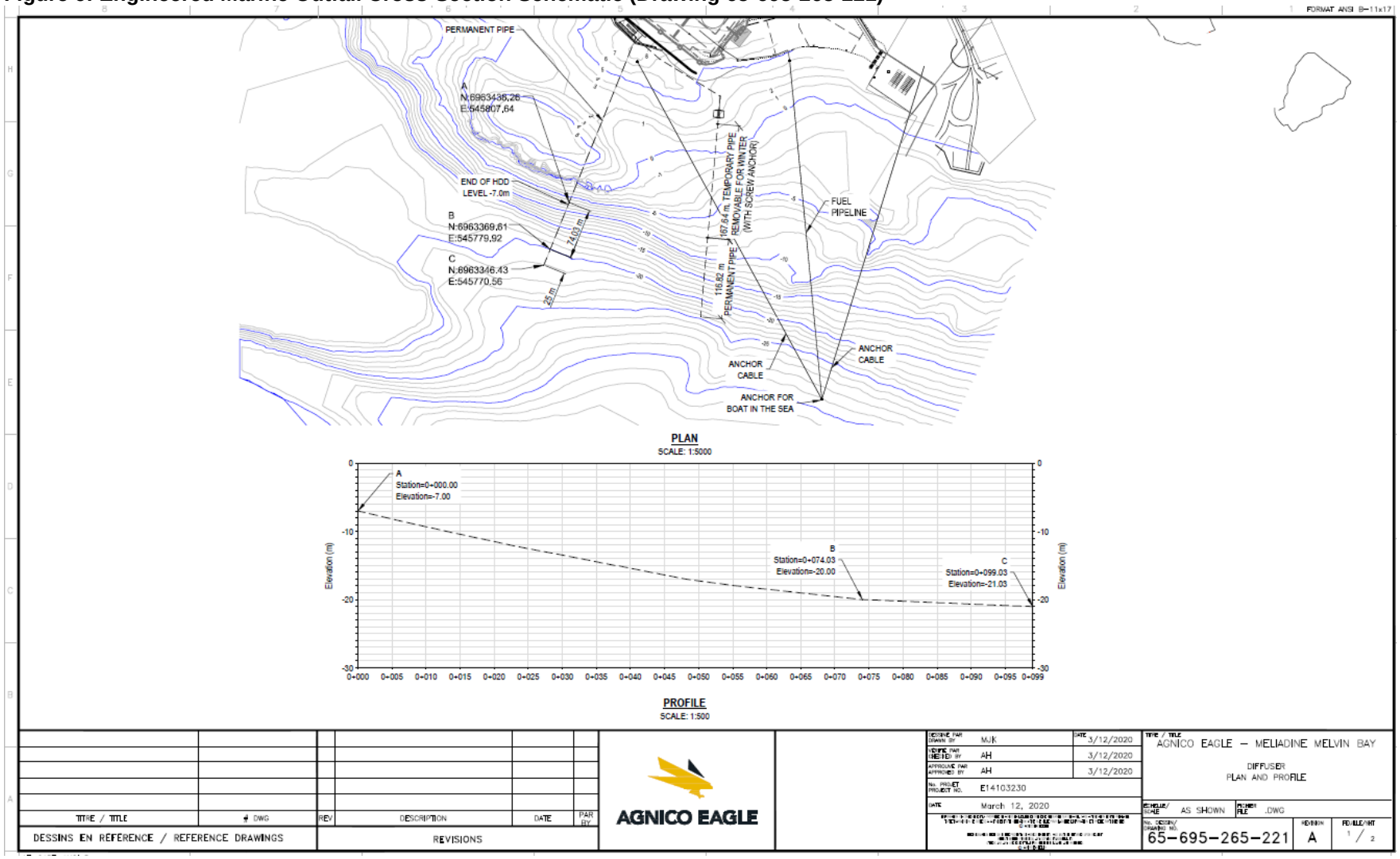
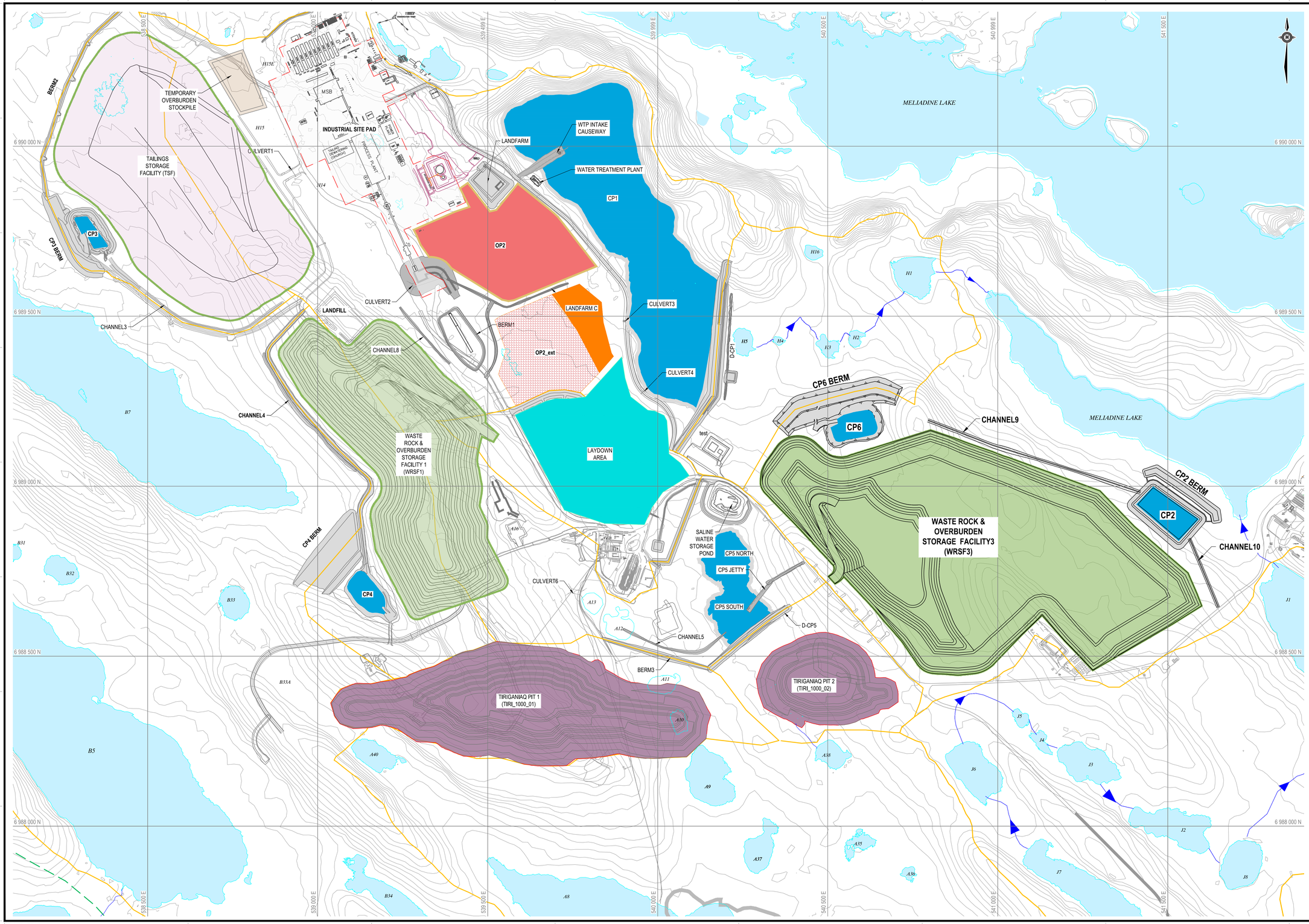


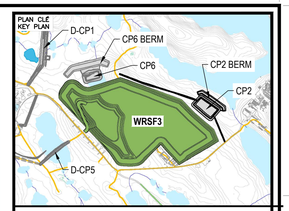
Figure 6: Engineered Marine Outfall Cross-Section Schematic (Drawing 65-695-265-221)



NO. DESSIN
DRAWING NO. FIGURE 1

FORMAT ARCHD





TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. DIMENSIONS ARE IN METERS UNLESS SPECIFIED OTHERWISE
2. WASTE ROCK AND OVERBURDEN STORAGE FACILITY 3 WAS DESIGNED TO STORE 2.1 Mm^3 OF OVERBURDEN AND 6.5 Mm^3 OF WASTE ROCK
3. OVERBURDEN THICKNESS AROUND CP2 AREA IS ASSUMED TO BE 4.0 m. THE ACTUAL OVERBURDEN THICKNESS TO BE DETERMINED DURING FUTURE SITE INVESTIGATION PROGRAMS
4. CP2 WAS DESIGNED TO STORE 3/ 7 OF EQUIVALENT UNIT RUNOFF DURING SPRING FRESHET FOR 1 IN 100 WET YEAR (73.3 mm)
5. CHANNELS (CHANNEL9 AND CHANNEL10) WERE DESIGNED TO PASS AN EXTREME INTENSITY FLOW UNDER A 5-MINUTE 1 IN 100 RETURN RAINFALL (5.0 mm)

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	07/22/20	ISSUED FOR USE	HX	NG	

REVISIONS

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT
JULY 2020 WATER LICENSE AMENDMENT

SITE LAYOUT
PLAN VIEW

DESSINÉ PAR DRAWN BY	EL	DATE 2020-07-03
VERIFIÉ PAR CHECKED BY	HX	2020-07-03
APPROUVÉ PAR APPROVED BY	NG	2020-07-03
ÉCHELLE SCALE 1:5000	DATE 2020-07-03	
NO. DESSIN DRAWING NO.	FIGURE 1	
NO. PROJET PROJECT NO. 6515	REVISION 0	FEUILLE / SHT 1 / 5

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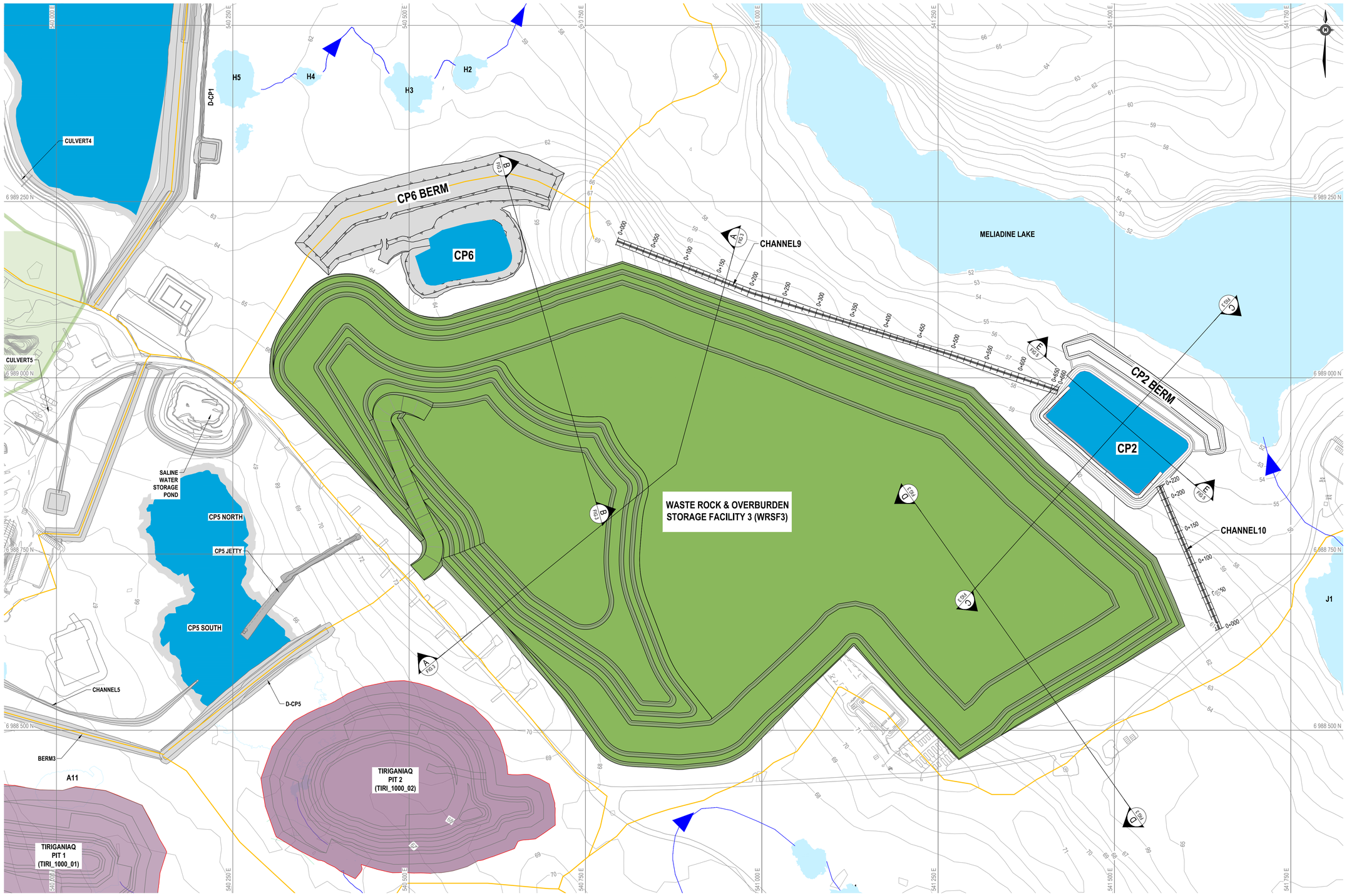
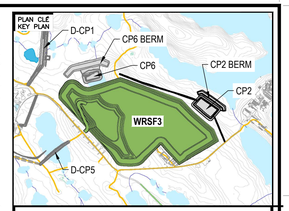
FILE NO. Figure 1.dwg

NO. DESSIN
DRAWING NO. FIGURE 2

FORMAT ARCHD





TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

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DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

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TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT
JULY 2020 WATER LICENSE AMENDMENT

PLAN VIEW SHOWING
WRSF3, CP2, CP2 BERM,
AND CHANNELS 9 AND 10

DESSINÉ PAR DRAWN BY	EL	DATE 2020-07-03
VERIFIÉ PAR CHECKED BY	HX	2020-07-03
APPROUVÉ PAR APPROVED BY	NG	2020-07-03
ÉCHELLE SCALE	1:2500	DATE 2020-07-03

NO. DESSIN
DRAWING NO. FIGURE 2

NO. PROJET PROJECT NO.	REVISION	FEUILLE / SHT
6515	0	2 / 5

AE-CART-ARCH D

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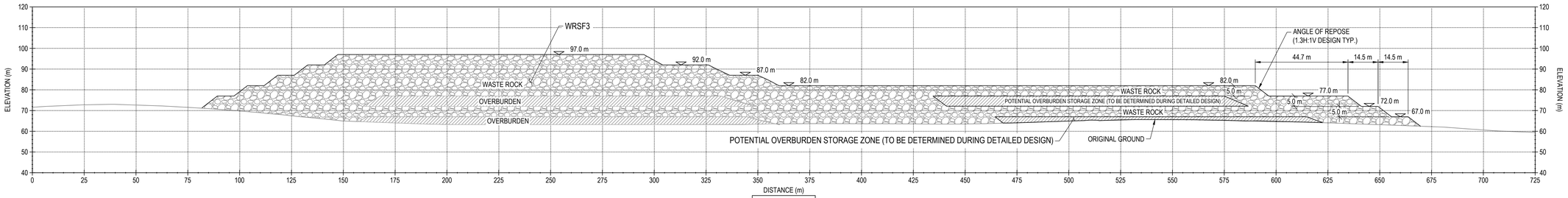
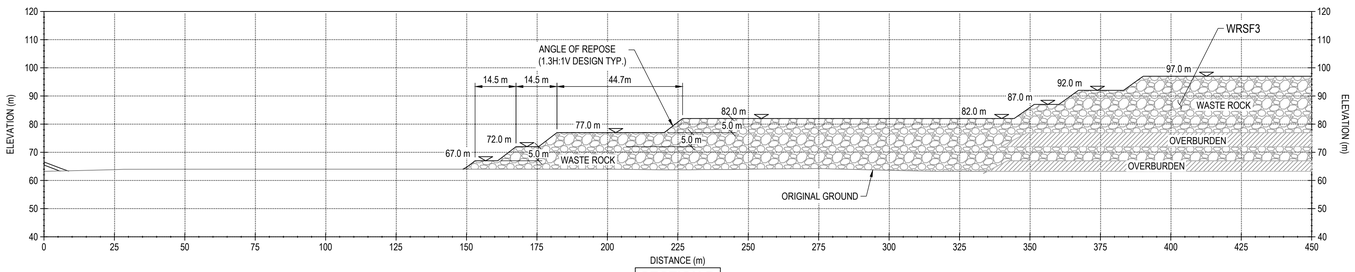
FILE NO. Figure 2.dwg

NO. DESSIN
DRAWING NO. FIGURE 3

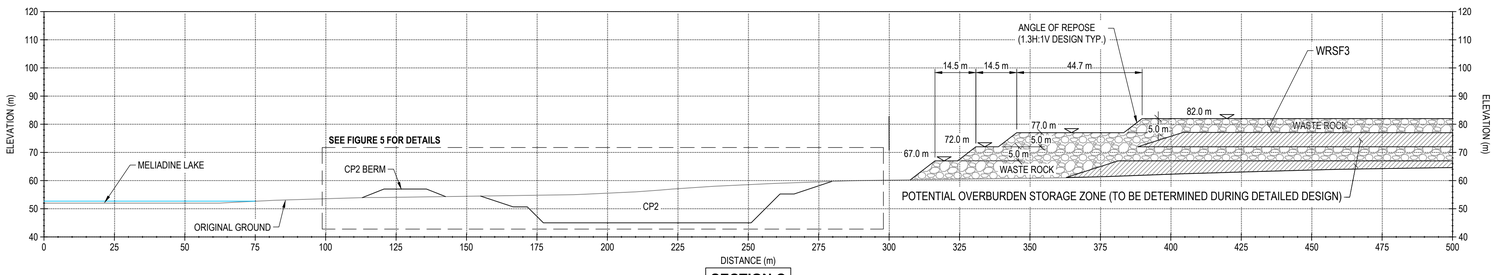
FORMAT ARCHD



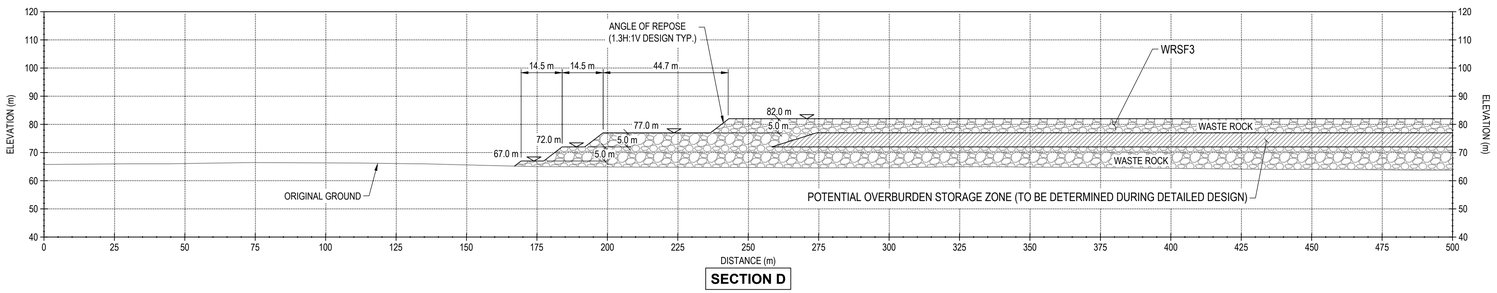
SECTION A



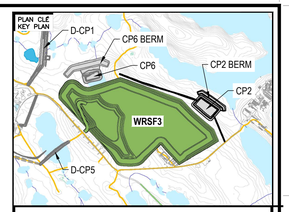
SECTION B



SECTION C



SECTION D



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. DIMENSIONS ARE IN METERS UNLESS SPECIFIED OTHERWISE
2. WASTE ROCK AND OVERBURDEN STORAGE FACILITY 3 WAS DESIGNED TO STORE 2.1 Mm^3 OF OVERBURDEN AND 6.5 Mm^3 OF WASTE ROCK
3. OVERBURDEN STORAGE ZONE TO BE DETERMINED DURING DETAILED DESIGN STAGE
4. TYPICAL SIDE SLOPE OF WASTE ROCK LAYER : 1.3H:1V (ANGLE OF REPOSE FOR WASTE ROCK :37°)

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
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REVISIONS

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT
JULY 2020 WATER LICENSE AMENDMENT

MELIADINE WRSF3
SECTIONS A TO D

DESSINÉ PAR / DRAWN BY	EL	DATE 2020-07-03
VERIFIÉ PAR / CHECKED BY	HX	2020-07-03
APPROUVÉ PAR / APPROVED BY	NG	2020-07-03
ÉCHELLE / SCALE 1:750	DATE 2020-07-03	

NO. DESSIN / DRAWING NO. FIGURE 3

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515	0	3 / 5

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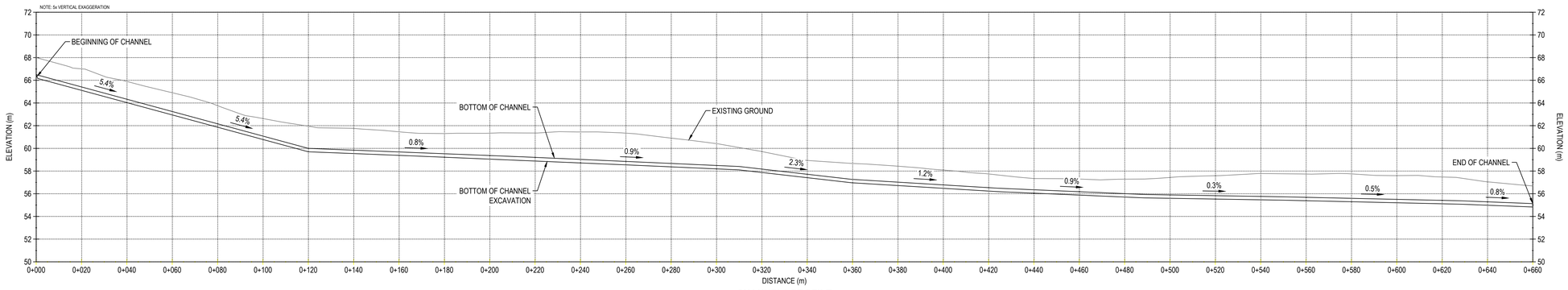
FILE NO. Figure 3.dwg

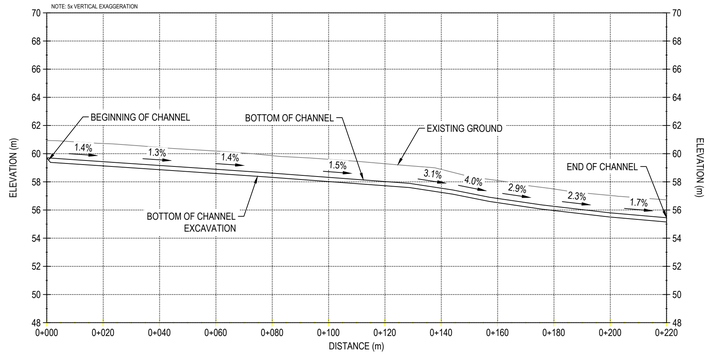
NO. DESSIN
DRAWING NO. FIGURE 4

FORMAT ARCHD



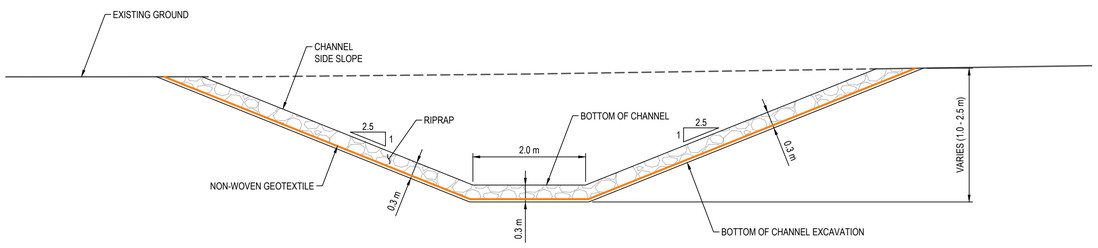
CHANNEL9 PROFILE

SCALE: H–1:2500 V–1:500



CHANNEL10 PROFILE

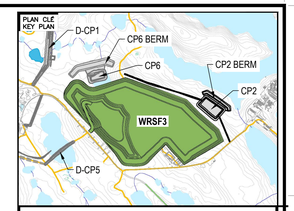
SCALE: H–1:2500 V–1:500



TYPICAL CHANNELS SECTION

N.T.S.

	ITEM	UNITS	ESTIMATED IN-PLACE QUANTITY
	TOTAL CHANNEL EXCAVATION VOLUME	m^3	11,000
	VOLUME OF RIPRAP FOR CHANNELS	m^3	2,200
	NON-WOVEN GEOTEXTILE	m^2	7,600



TETRA TECH

NOTES GÉNÉRALES / GENERAL NOTES

1. DIMENSIONS ARE IN METERS UNLESS SPECIFIED OTHERWISE
2. CP2 WAS DESIGNED TO STORE 3/ 7 OF EQUIVALENT UNIT RUNOFF DURING SPRING FRESHET FOR 1 IN 100 WET YEAR (73.3 mm)
3. CHANNELS (CHANNEL9 AND CHANNEL10) WERE DESIGNED TO PASS AN EXTREME INTENSITY FLOW UNDER A 5-MINUTE 1 IN 100 RETURN RAINFALL (5.0 mm)

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
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REVISIONS

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT
JULY 2020 WATER LICENSE AMENDMENT

CHANNELS PROFILE AND
TYPICAL CROSS–SECTION

DESSINÉ PAR / DRAWN BY	EL	DATE 2020–07–03
VERIFIÉ PAR / CHECKED BY	HX	2020–07–03
APPROUVÉ PAR / APPROVED BY	NG	2020–07–03
ÉCHELLE / SCALE	AS SHOWN	DATE 2020–07–03

NO. DESSIN / DRAWING NO. FIGURE 4

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515	0	4 / 5

AE–CART–ARCH D

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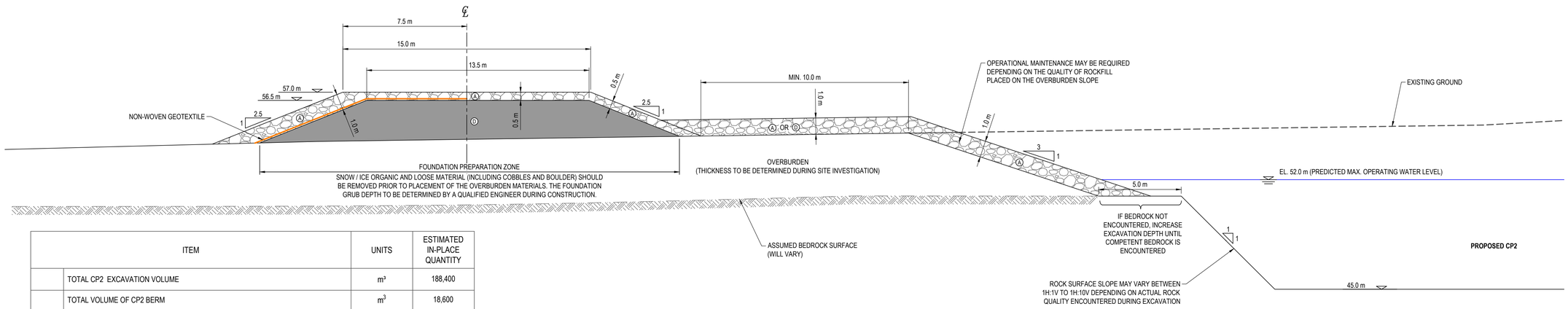
FILE NO. Figure 4.dwg

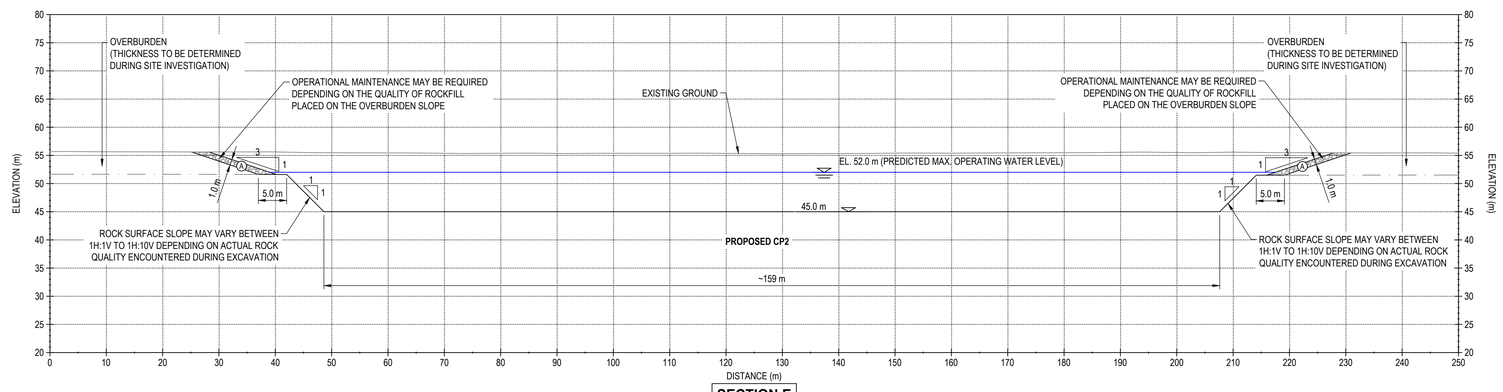
NO. DESSIN DRAWING NO. FIGURE 5

FORMAT ARCHD

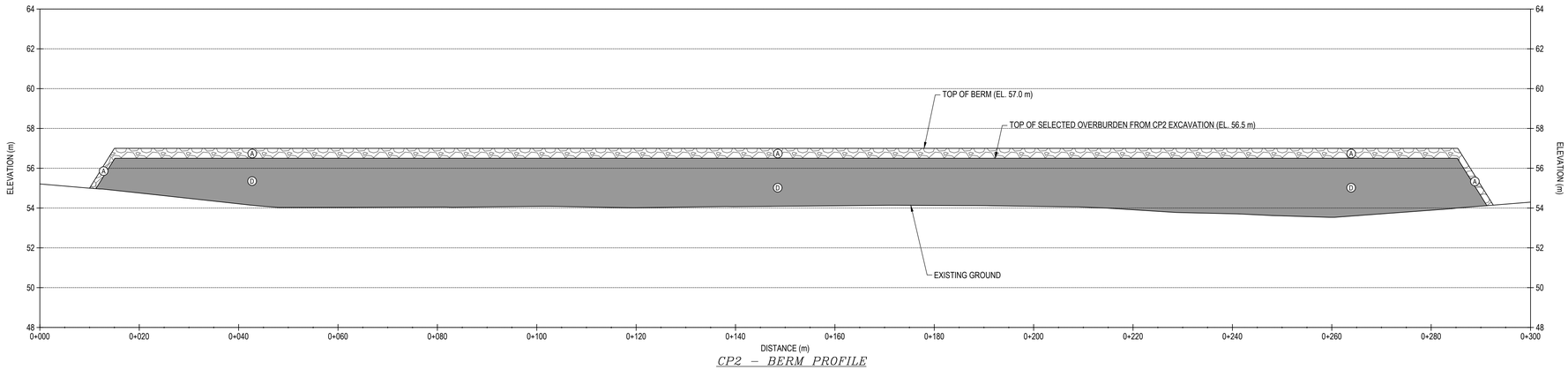


	ITEM	UNITS	ESTIMATED IN-PLACE QUANTITY
	TOTAL CP2 EXCAVATION VOLUME	m^3	188,400
	TOTAL VOLUME OF CP2 BERM	m^3	18,600
	VOLUME OF ROCKFILL AS EROSION PROTECTION	m^3	7,300
	NON-WOVEN GEOTEXTILE	m^2	3,250

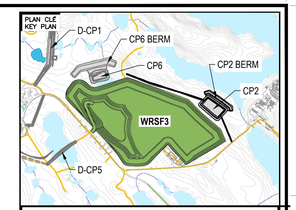
TYPICAL SECTION – CP2 BERM
SCALE: 1:125



SECTION E



CP2 – BERM PROFILE
SCALE: H–1:500 V–1:125



TETRA TECH

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3. CP2 WAS DESIGNED TO STORE 3/ 7 OF EQUIVALENT UNIT RUNOFF DURING SPRING FRESHET FOR 1 IN 100 WET YEAR (73.3 mm)
4. CHANNELS (CHANNEL9 AND CHANNEL10) WERE DESIGNED TO PASS AN EXTREME INTENSITY FLOW UNDER A 5-MINUTE 1 IN 100 RETURN RAINFALL (5.0 mm)

(A) PIT-RUN OR QUARRY ROCKFILL
(B) TRANSITION ROCKFILL
(C) LINER BEDDING TILL
(D) TILL FILL
(E) TILL FILTER FILL
(F) ROAD SURFACES FILL
(G) RIP RAP

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

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AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT
0	07/22/20	ISSUED FOR USE	HX	NG	

REVISIONS

TITRE / TITLE
AGNICO EAGLE MELIADINE GOLD PROJECT
JULY 2020 WATER LICENSE AMENDMENT

CP2 TYPICAL SECTION AND
CP2 THERMAL PROTECTION BERM PROFILE

DESSINÉ PAR / DRAWN BY	EL	DATE 2020–07–03
VERIFIÉ PAR / CHECKED BY	HX	2020–07–03
APPROUVÉ PAR / APPROVED BY	NG	2020–07–03
ÉCHELLE / SCALE	AS SHOWN	DATE 2020–07–03

NO. DESSIN / DRAWING NO. FIGURE 5

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
6515	0	5 / 5

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