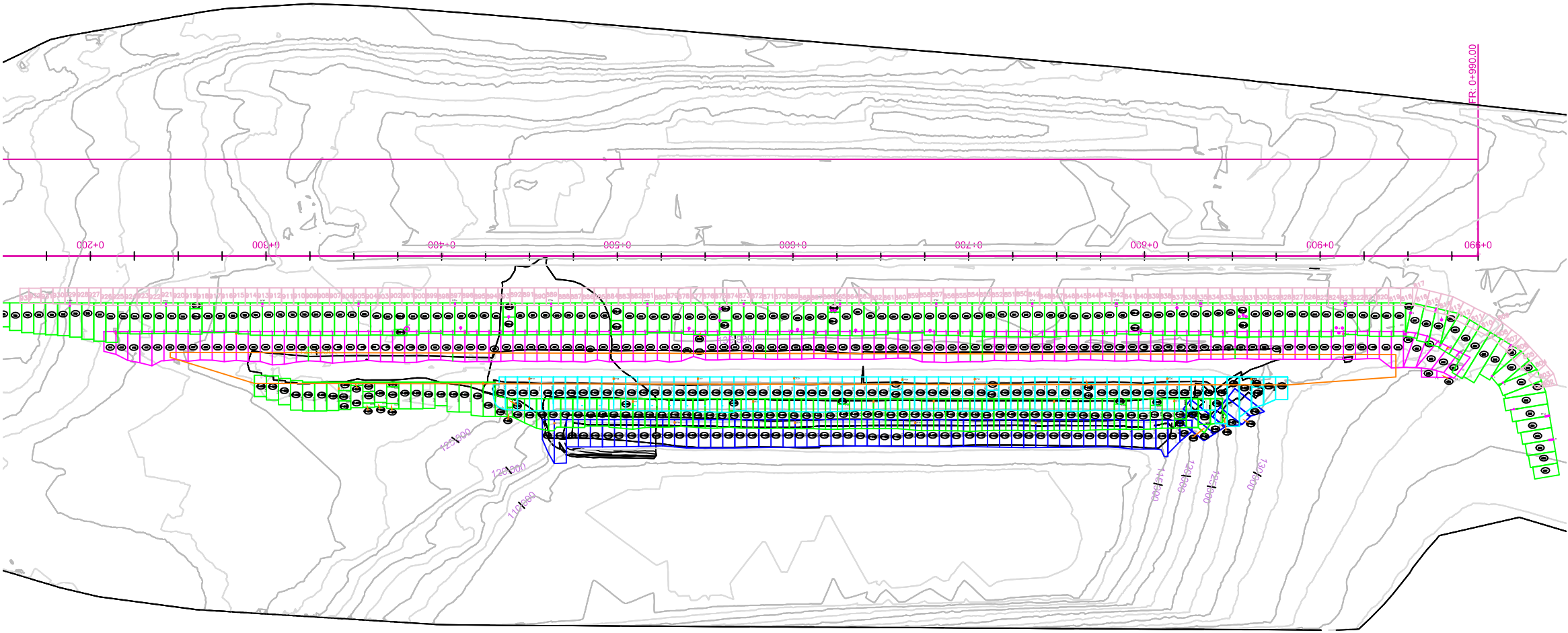


ANNEXE C

SD3, SD5 AND Central Dyke

“As built” drawings



LEGENDE:

XXX

NUMÉRO DE PANNEAU

GÉOMEMBRANE PEHD 1.5mm texturé

PIÈCE DE RÉPARATION EXTRUDÉE

PROCEDE DE SOUDURE:

75 150mm

40 mm

SOUDURE DE FUSION

Soudure double avec chambre à air

> 25 mm

SOUDURE PAR EXTRUSION

- NOTES:**
- 1) Les panneaux de geomembranes sont assembles par procede de fusion.
 - 2) La soudeuse a extrusion est utilisée aux raccordements des details, a l'intersection de trois panneaux et pour les reparations generales.

— IMPORTANT —

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CONSULTANTS:
Golder Associés

PROPRIÉTAIRE:
F. Gilbert Inc.

PROJET/PROJECT:
AGNICO EAGLE MINES LIMITED
MEADOWBANK

DISPOSITION TYPIQUE DES PANNEAUX - SDI

DESSINE PAR: DRAWN BY:	NG	DATE:	20/06/2018
VERIFIE PAR: CHECKED BY:	JMB	ECHELLE: SCALE:	PAE



Géosynthétiques ZTG inc.

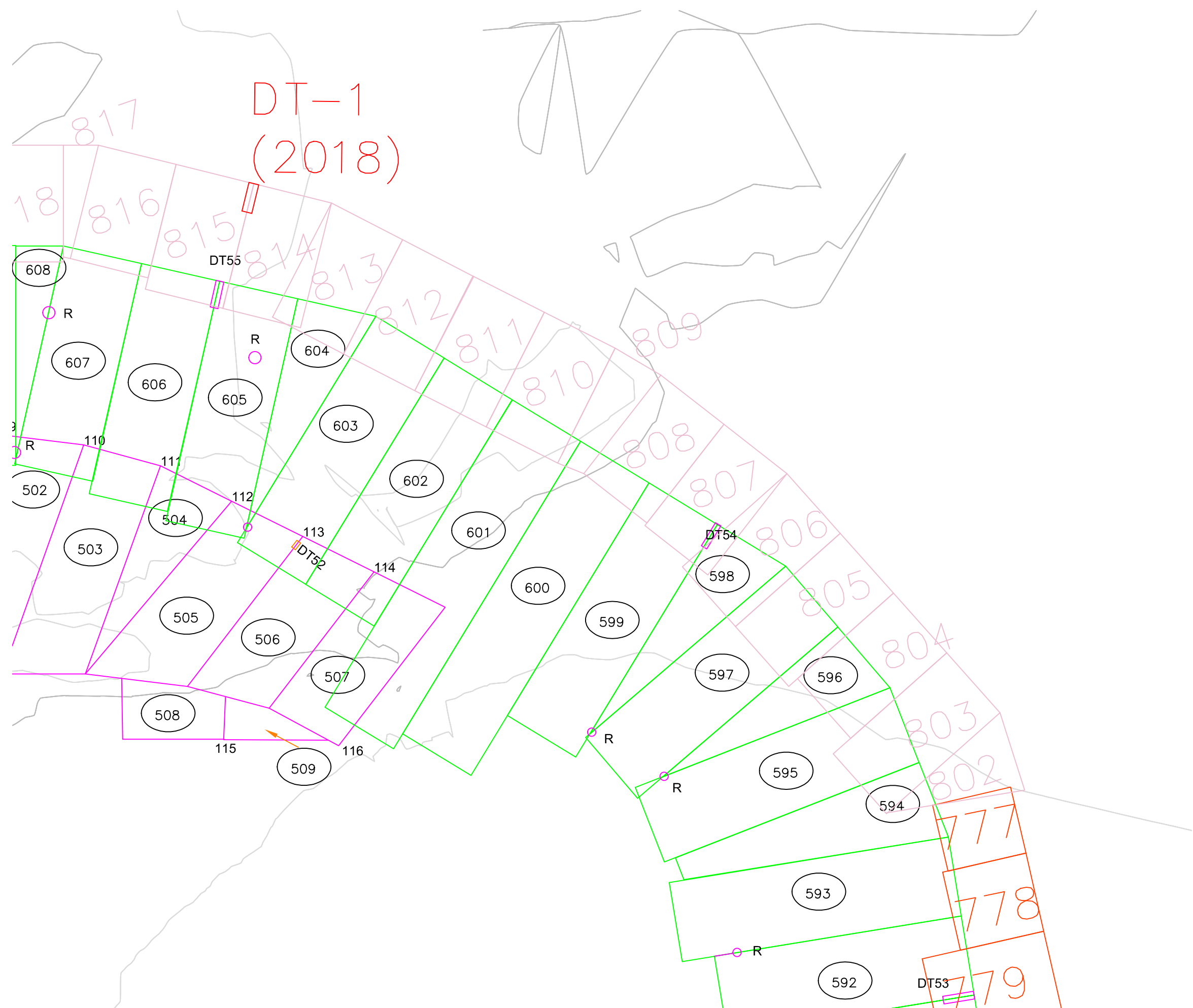
4085 Lovatier,

Boisbriand, Qc J7H 1N1

Tel.: (450) 430-5333

Fax: (450) 430-9352

DESSIN No: DRAWING No:	CD1-01-018	REVISION:	0
		FEUILLE No: SHEET No:	1 de 1



LEGENDE:

XXX

NUMÉRO DE PANNEAU

GEOMEMBRANE PEHD 1.5mm texturé

PIÈCE DE RÉPARATION EXTRUDÉE

PROCEDE DE SOUDURE:

75 ± 150mm

40 mm

SOUDURE DE FUSION
Soudure double avec chambre à air

> 25 mm

SOUDURE PAR EXTRUSION

NOTES:

1) Les panneaux de geomembranes sont assembles par procede de fusion.

2) La soudeuse a extrusion est utilisée aux raccords des details, a l'intersection de trois panneaux et pour les reparations generales.

— IMPORTANT —

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CONSULTANTS:

Golder Associés

PROPRIÉTAIRE:

F. Gilbert Inc.

PROJET/PROJECT:

AGNICO EAGLE MINES LIMITED
MEADOWBANK

DISPOSITION TYPIQUE DES PANNEAUX - SD5

DESSINE PAR:
DRAWN BY:

VERIFIE PAR:
CHECKED BY:

MF

JMB

DATE: 20/06/2018

ECHELLE:
SCALE: PAE



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Balsbrind, Qc J7H 1N1

Tel.: (450) 430-5333

Fax: (450) 430-9352

DESSIN No:
DRAWING No:

SD5-018

REVISION: 0

FEUILLE No:
SHEET No:

1 de 1

XXX

GEOMEMBRANE PEHD 1.5mm texturé

Soudure double avec chambre a air

→ | | ← > 25 mm

- 1) Les panneaux de geomembranes sont assembles par procede de fusion.
- 2) La soudeuse a extrusion est utilisee aux raccordements des details, a l'intersection de trois panneaux et pour les reparations generales.

— IMPORTANT —

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Géosynthétiques ZTG inc.

No.	REVISIONS	DATE	PAR PER

CONSULTANTS:

Golder Associés

PROPRIETAIRE:

F. Gilbert Inc.

PROJET/PROJECT:

AGNICO EAGLE MINES LIMITED
MEADOWBANK

DISPOSITION TYPIQUE DES PANNEAUX- SDI

DESSINE PAR: DRAWN BY:	NG
VERIFIE PAR: CHECKED BY:	JMB

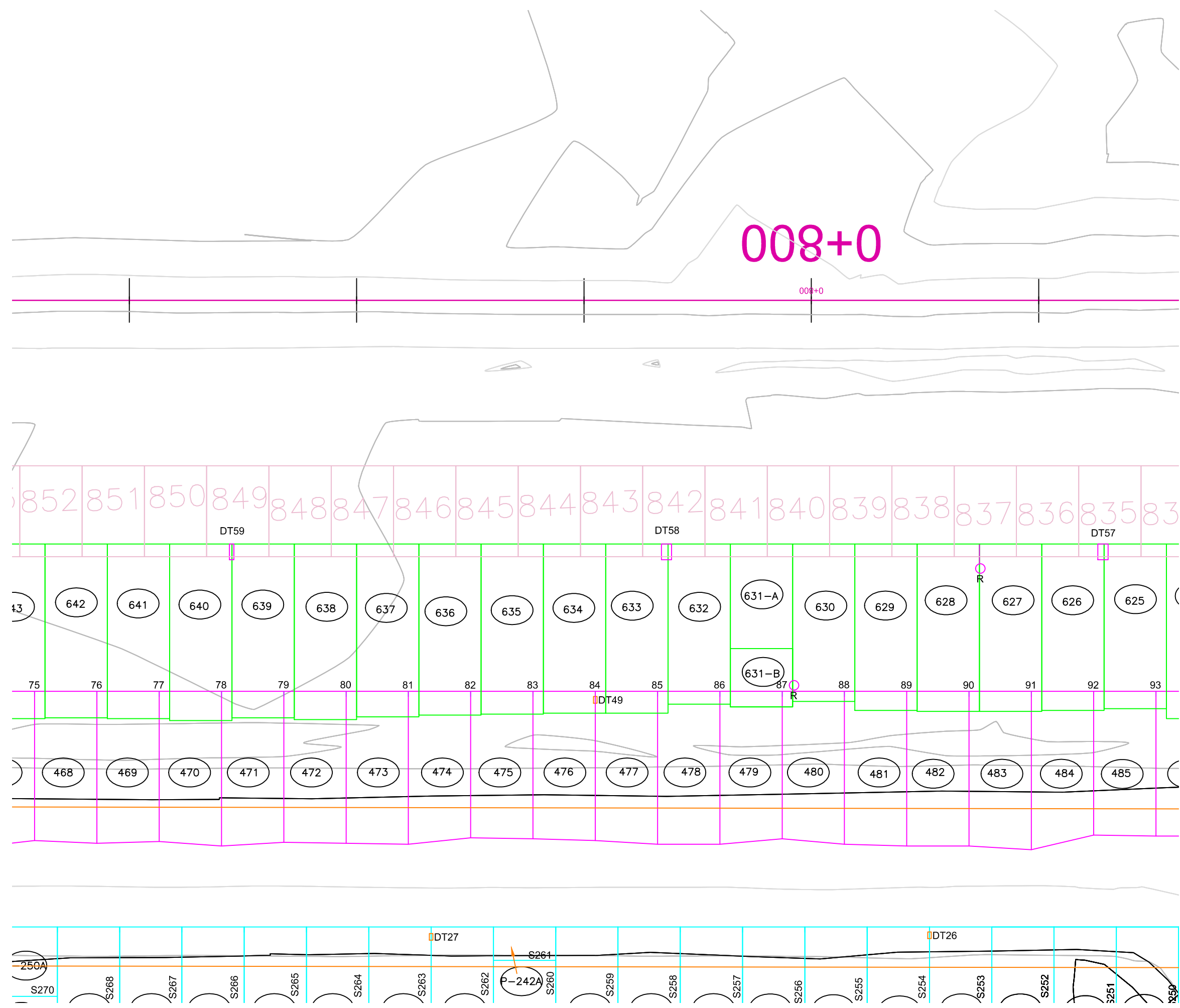
DATE:	20/06/2016
ECHELLE: SCALE:	PAE



Géosynthétiques ZTG inc.
4085 Lavoisier,
Boisbriand, Qc J7H 1N1
Tel.: (450) 430-5333
Fax: (450) 430-9352

DESSIN No:
DRAWING No:
CD1-01-018

REVISION:	0
FEUILLE No: SHEET No:	1 de 7



LEGENDE:

XXX

NUMÉRO DE PANNEAU

GEOMEMBRANE PEHD 1.5mm texturé

PIÈCE DE RÉPARATION EXTRUDÉE

PROCEDE DE SOUDURE:

75

150mm

40 mm

SOUDURE DE FUSION

Soudure double avec chambre à air

> 25 mm

SOUDURE PAR EXTRUSION

NOTES:

1) Les panneaux de geomembranes sont assembles par procede de fusion.

2) La soudeuse a extrusion est utilisée aux raccords des details, a l'intersection de trois panneaux et pour les reparations generales.

— IMPORTANT —

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CONSULTANTS:

Golder Associés

PROPRIÉTAIRE:

F. Gilbert Inc.

PROJET/PROJECT:

AGNICO EAGLE MINES LIMITED
MEADOWBANK

DISPOSITION TYPIQUE DES PANNEAUX - SDI

DESSINE PAR:	MF	DATE:	20 / 06 / 2018
DRAWN BY:			
VERIFIE PAR:	JMB	ECHELLE:	PAE
CHECKED BY:		SCALE:	

ZTG

Géosynthétiques ZTG inc.

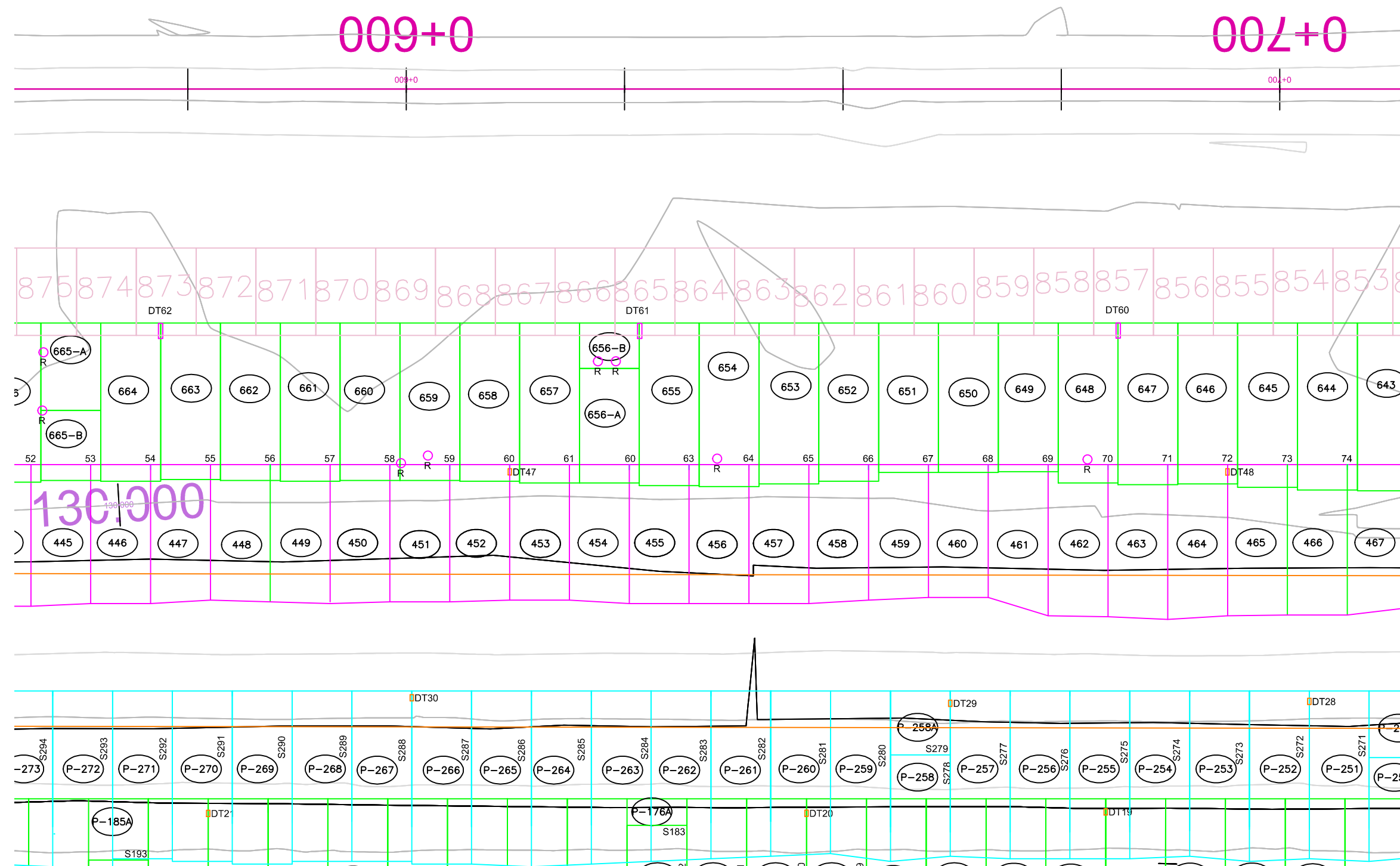
4085 Lovatier,

Boisbriand, Qc J7H 1N1

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Fax: (450) 430-9352

DESSIN No:	REVISION:
DRAWING No:	
CD1-02-018	FEUILLE No: 2 de 1
	SHEET No:



LEGENDE:

XXX NUMÉRO DE PANNEAU

GEOMEMBRANE PEHD 1.5mm texturé

PIÈCE DE RÉPARATION EXTRUDÉE

PROCEDE DE SOUDURE:

75 150mm
40 mm

SOUDURE DE FUSION
Soudure double avec chambre à air

> 25 mm

SOUDURE PAR EXTRUSION

- NOTES:**
- 1) Les panneaux de geomembranes sont assembles par procede de fusion.
 - 2) La soudeuse a extrusion est utilisée aux raccords de details, a l'intersection de trois panneaux et pour les reparations generales.

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Géosynthétiques ZTG Inc.

No.	REVISIONS	DATE	PAR PER
CONSULTANTS: Golder Associés			
PROPRIÉTAIRE: F. Gilbert Inc.			
PROJET/PROJECT: AGNICO EAGLE MINES LIMITED MEADOWBANK			
DISPOSITION TYPIQUE DES PANNEAUX - SDI			

DESSINE PAR: MF	DATE: 20/06/2018
DRAWN BY: JMB	ECHELLE: PAE
VERIFIE PAR: JMB	SCALE: PAE
CHECKED BY: JMB	

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Boisbriand, Qc J7H 1N1
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Fax: (450) 430-9352

DESSIN No: CD1-03-018	REVISION: 0
DRAWING No:	FEUILLE No: 3 de 7
	SHEET No:

003+0

0+200

008+C

DT68

DT67

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4
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(P-225)	(P-224)				
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XXX

NUMÉRO DE PANNEAU

GEOMEMBRANE PEHD 1.5mm texturé

PIÈCE DE RÉPARATION EXTRUDÉE

SOUDURE DE FUSION

Soudure double avec chambre a air

SOUDURE PAR EXTRUSION

- 1) Les panneaux de geomembranes sont assembles par procede de fusion.
- 2) La soudeuse a extrusion est utilisee aux raccords des details, a l'intersection de trois panneaux et pour les reparations generales.

— IMPORTANT —

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Géosynthétiques ZTG inc.

No.	REVISIONS	DATE	PAPE

CONSULTANTS:
Golder Associates

PROPRIETAIRE:
F. Gilbert Inc.

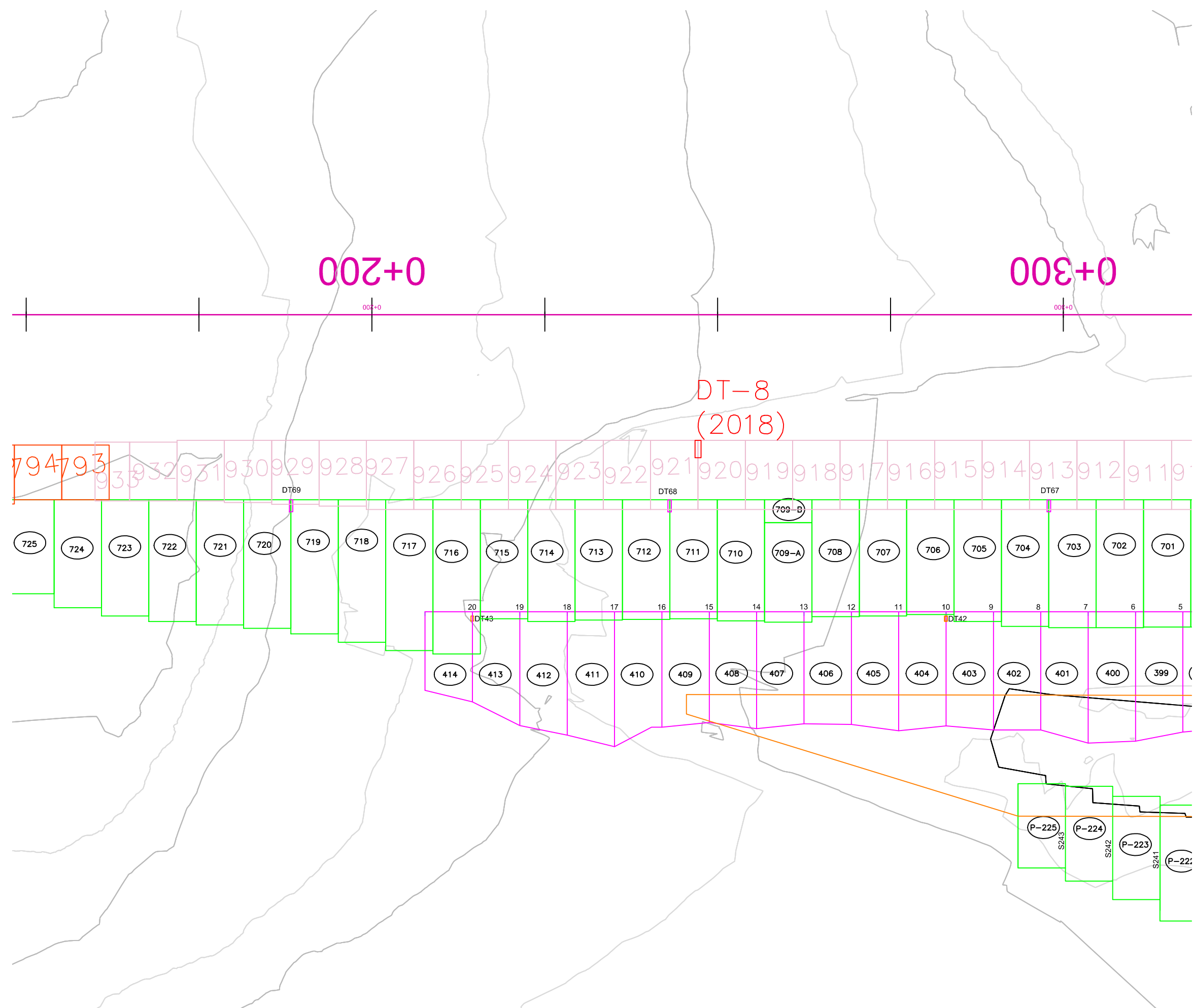
PROJECT/PROJECT:
AGNICO EAGLE MINES LIMITED
MEADOWBANK

DISPOSITION TYPIQUE DES PANNEAUX-SDI

DESSINE PAR: DRAWN BY:	MF	DATE:	20/06/20
VERIFIE PAR: CHECKED BY:	JMB	ECHELLE: SCALE:	PAE



DESSIN No: DRAWING No:	REVISION: 0
CD1-06-018	FEUILLE No: 6 de 7 SHEET No:



LEGENDE:

XXX

NUMÉRO DE PANNEAU

GEOMEMBRANE PEHD 1.5mm texturé

PIÈCE DE RÉPARATION EXTRUDÉE

PROCEDE DE SOUDURE:

75

150mm

40 mm

SOUDURE DE FUSION
Soudure double avec chambre à air

> 25 mm

SOUDURE PAR EXTRUSION

NOTES:

1) Les panneaux de geomembranes sont assembles par procede de fusion.

2) La soudeuse a extrusion est utilisée aux raccords des details, a l'intersection de trois panneaux et pour les reparations generales.

— IMPORTANT —

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CONSULTANTS:
Golder Associés

PROPRIÉTAIRE:
F. Gilbert Inc.

PROJET/PROJECT:
AGNICO EAGLE MINES LIMITED
MEADOWBANK

DISPOSITION TYPIQUE DES PANNEAUX - SDI

DESSINE PAR: DRAWN BY:	MF	DATE:	20/06/2018
VERIFIE PAR: CHECKED BY:	JMB	ECHELLE: SCALE:	PAE



Géosynthétiques ZTG inc.

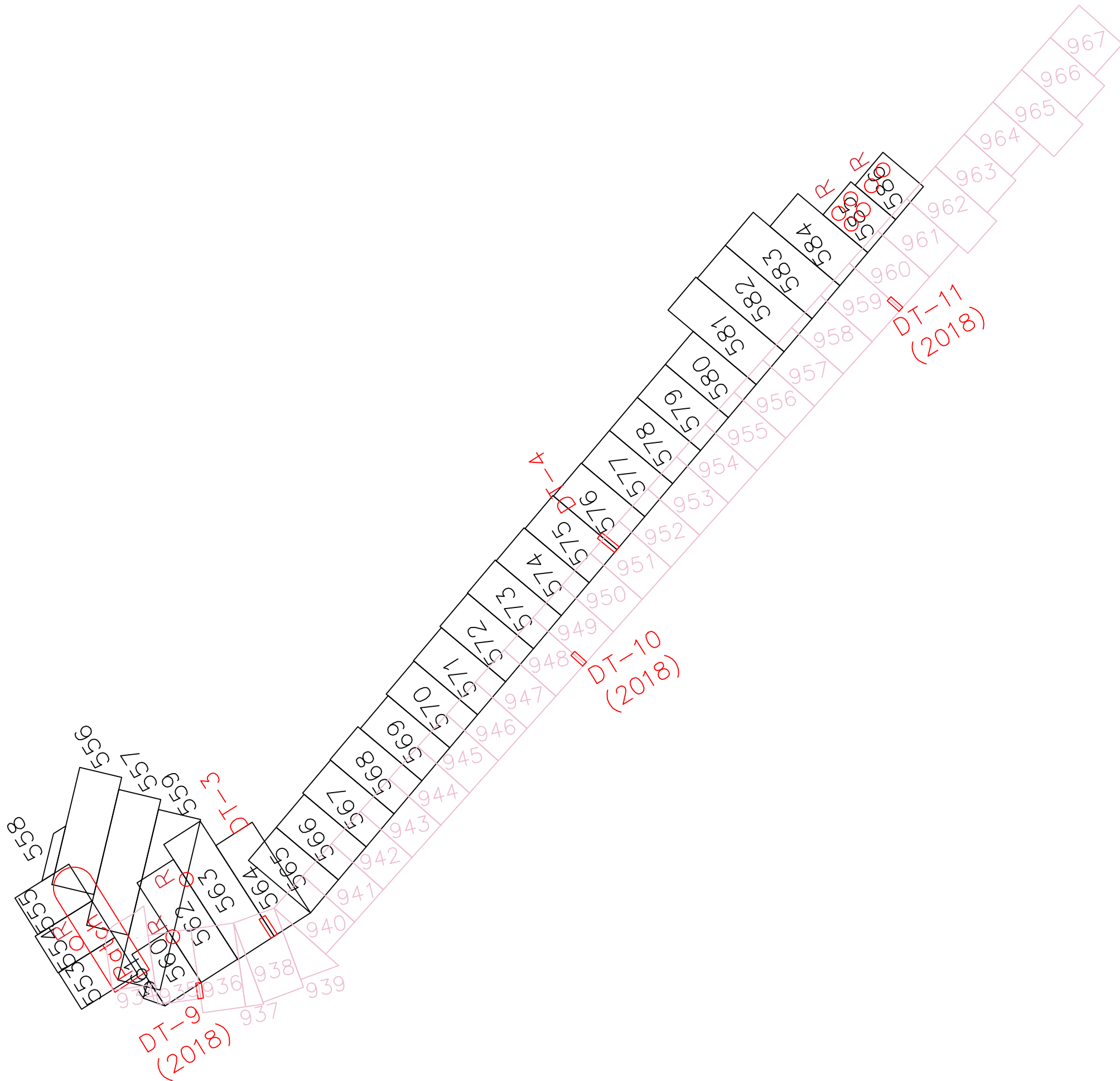
4085 Lovelace,

Balsbrind, Qc J7H 1N1

Tel.: (450) 430-5333

Fax: (450) 430-9352

DESSIN No: DRAWING No:	CD1-07-018	REVISION:	0
		FEUILLE No: SHEET No:	7 de 7



LEGENDE:

XXX

NUMÉRO DE PANNEAU

GEOMEMBRANE PEHD 1.5mm texturé

PIÈCE DE RÉPARATION EXTRUDÉE

PROCEDE DE SOUDURE:

75 150mm

40 mm

SOUDURE DE FUSION
Soudure double avec chambre à air

> 25 mm

SOUDURE PAR EXTRUSION

NOTES:

1) Les panneaux de geomembranes sont assembles par procede de fusion.

2) La soudeuse a extrusion est utilisée aux raccords des details, a l'intersection de trois panneaux et pour les reparations generales.

— IMPORTANT —

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Géosynthétiques ZTG Inc.

No.	REVISIONS	DATE	PAR PER
CONSULTANTS: Golder Associés			
PROPRIÉTAIRE: F. Gilbert Inc.			
PROJET/PROJECT: AGNICO EAGLE MINES LIMITED MEADOWBANK			
DISPOSITION TYPIQUE DES PANNEAUX			
DESSINE PAR: DRAWN BY: MF		DATE: 20/06/2018	
VÉRIFIÉ PAR: CHECKED BY: JMB		ÉCHELLE: SCALE: PAE	
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DESSIN No: DRAWING No: SD3-018		FEUILLE No: SHEET No: 1 de 1	

APPENDIX I

**QC Laboratory and
Field Testing Results**

APPENDIX I-1

Stockpile QC Results

APPENDIX I-1A

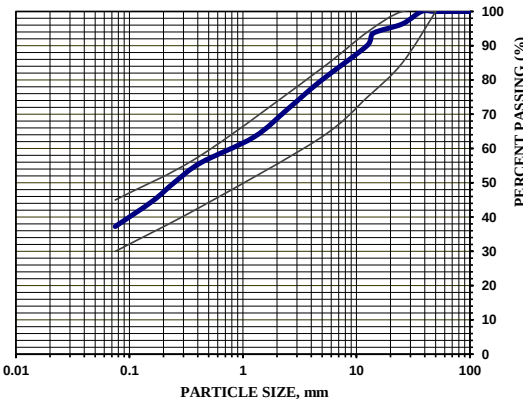
QC Laboratory Results - Till Stockpile Material



Analysis Report Soils and Aggregates

CLIENT:	AEM	BOARD N°:	
PROJET:	Saddle dam 3-4-5	PROJECT N°:	11118538-B1
		Sample N°:	ST-445-2018
		DATE:	2018-06-11
Description of Material:	Sieved compacted Till (0-50mm)	Location of Sampling:	Sana Stock Pile
Origin:	Pit E		
Proposed Use:	Till plug	Sampled by:	Daniel Roy
		Sampling Date:	2018-06-09

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			150 mm	76.2 mm	50 mm	37.5 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	96	94	90	80	72	63	56	50	45	37.3
Individual Results																
Requirements	min.				100		85		75	63			43			30.0
	max.				100		100		94	83			58			45.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	9.22%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits:	Till: Fondation, sous-fondation
				Sieve Analysis Graph	
					
				% gravel	20.5%
				% sand	42.3%
				% silt/clay	37.3%
				Cu = #N/A	D ₈₅ = 7.8
				Cc = #N/A	D ₆₀ = 0.8
					D ₅₀ = 0.2
					D ₁₅ = #N/A
					D ₁₀ = #N/A

Remarks:	Matériau conforme pour usage proposé	
	mm	
Prepared by:	Daniel Roy	Verified by:

APPENDIX I-1B

QC Laboratory Results - Fine Filter Stockpile Material



Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited		BOARD N :	0	
PROJECT:	Increase the final level of Central Dike at El: 145		PROJECT N :	11118538-B1	
			Sample N°:	FF-381-2018	
			DATE:	2018-04-26	
Description of Material:	Fine filter		Location of Sampling:	Stock Pile	
Origin:	Sana Chruser			(see sketch join to the report)	
Proposed Use:	Up stream filter		Sampled by:	Cédric Fillon Tremblay	
			Sampling Date:	2018-04-25	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	96	79	45	30	20	14	10	8	6.1
Individual Results																
Requirements	min.						100	100		50	23		0			0.0
	max.						100	100		100	68		20			15.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	4.30%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits: Fine Filter: Central Dike	
				Sieve Analysis Graph	
				% gravel	55.5%
				% sand	38.4%
				% silt/clay	6.1%
				Cu = 32	D ₈₅ = 14.8
				Cc = 2	D ₆₀ = 7.4
					D ₅₀ = 5.6
					D ₁₅ = 0.5
					D ₁₀ = 0.2

Remarks:		
Prepared by:	Cédric Fillon Tremblay	Verified by:

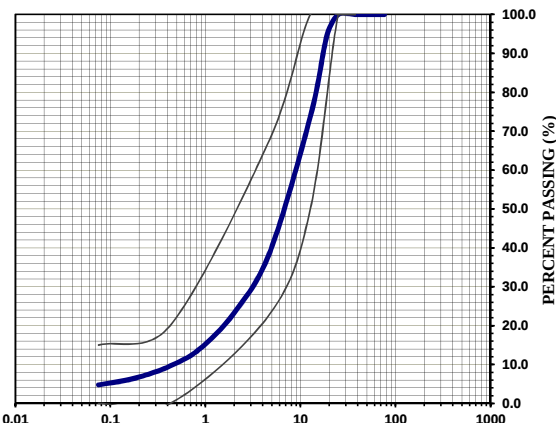


Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited		BOARD N :	0	
PROJECT:	Increase the final level of Central Dike at El: 145		PROJECT N :	11118538-B1	
			Sample N°:	FF-387-2018	
			DATE:	2018-05-10	
Description of Material:	Fine filter		Location of Sampling:	Sana Crusher	
Origin:	Sana Chruser				
Proposed Use:	Up stream filter		Sampled by:	Sébastien Blackburn	
			Sampling Date:	2018-05-09	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	95	74	39	23	14	10	7	6	4.8
Individual Results																
Requirements	min.					100	100		50	23			0			0.0
	max.					100	100		100	68			20			15.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.			
Water content	3.60%			Maximum Dry Unit Weight		(kg/m ³)
				Optimum Moisture Content		(%)
				Proctor at 0% of Stone :		kg/m ³
				Correction Factor:		
				Gradation limits: Fine Filter: Central Dike		
				Sieve Analysis Graph		
						
				% gravel 61.1% Cu = 19 D ₈₅ = 15.8 D ₁₅ = 0.9 % sand 34.1% Cc = 2 D ₆₀ = 8.6 D ₁₀ = 0.5 % silt/clay 4.8% D ₅₀ = 6.5		

Remarks:		
Prepared by:	Sébastien Blackburn	Verified by:



Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited		BOARD N :	0	
PROJECT:	Increase the final level of Central Dike at El: 145		PROJECT N :	11118538-B1	
			Sample N°:	FF-388-2018	
			DATE:	2018-05-12	
Description of Material:	Fine filter		Location of Sampling:	Sana Crusher	
Origin:	Sana Chruser				
Proposed Use:	Up stream filter		Sampled by:	Sébastien Blackburn	
			Sampling Date:	2018-05-10	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	93	71	38	23	14	10	8	6	4.8
Individual Results																
Requirements	min.					100	100		50	23			0			0.0
	max.					100	100		100	68			20			15.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.	Maximum Dry Unit Weight		(kg/m ³)
Water content	3.00%			Optimum Moisture Content		(%)
				Proctor at 0% of Stone : kg/m3		
				Correction Factor:		
				Gradation limits: Fine Filter: Central Dike		
				Sieve Analysis Graph % gravel 62.5% Cu = 21 D₈₅ = 16.4 D₁₅ = 0.9 % sand 32.7% Cc = 2 D₆₀ = 9.1 D₁₀ = 0.4 % silt/clay 4.8% D₅₀ = 6.8		

Remarks:		
Prepared by:	Sébastien Blackburn	Verified by:

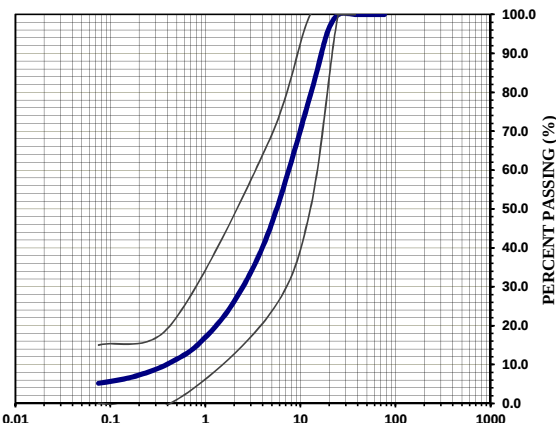


Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited	BOARD N :	0
PROJECT:	Increase the final level of Central Dike at El: 145	PROJECT N :	11118538-B1
		Sample N°:	FF-390-2018
		DATE:	2018-05-12
Description of Material:	Fine filter	Location of Sampling:	Sana Crusher
Origin:	Sana Chruser		
Proposed Use:	Up stream filter	Sampled by:	Sébastien Blackburn
		Sampling Date:	2018-05-11

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	95	79	45	26	15	10	8	6	5.2
Individual Results																
Requirements	min.					100	100		50	23			0			0.0
	max.					100	100		100	68			20			15.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	2.90%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits: Fine Filter: Central Dike	
				Sieve Analysis Graph	
					
				% gravel	55.1%
				% sand	39.8%
				% silt/clay	5.2%
				Cu = 19	
				Cc = 2	
				D ₈₅ = 14.7	
				D ₆₀ = 7.3	
				D ₅₀ = 5.5	
				D ₁₅ = 0.8	
				D ₁₀ = 0.4	

Remarks:	
Prepared by:	Sébastien Blackburn
Verified by:	



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited	BOARD N°:	
PROJECT:	Increase the final level of North cell	PROJECT N°:	11118538-B1
		Sample N°:	FF-392-2018
		DATE:	2018-06-26
Description of Material:	Fine filler	Location of Sampling:	Stock pile
Origin:	Stock pile		
Proposed Use:	Up stream filter	Sampled by:	Hugues Potvin
		Sampling Date:	2018-06-21

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	82	87	63	27	15	9	7	5	4	3.6
Individual Results																
Requirements	min.					100	100	65	50	28	16		6			0.0
	max.					100	100	100	100	60	40		23			10.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.	Maximum Dry Unit Weight		(kg/m³)
Water content	1.40%			Optimum Moisture Content		(%)
				Proctor at 0% of Stone : kg/m3		
				Correction Factor:		
				Gradation limits: Fine Filter: Central Dike		
				Sieve Analysis Graph		
				% gravel 73.0% Cu = 13 D ₈₅ = 18.3 D ₁₅ = 1.9 % sand 23.4% Cc = 2 D ₆₀ = 11.6 D ₁₀ = 0.9 % silt/clay 3.6% D ₅₀ = 8.9		

Remarks:		
Prepared by:	Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT: Agnico Eagle Mines Limited PROJECT: Increase the final level of North cell	BOARD N°: PROJECT N°: 11118538-B1 Sample N°: FF-393-2018 DATE: 2018-06-28
Description of Material: Fine filter	
Location of Sampling: Stock pile	
Origin: Stock pile	
Proposed Use: Up stream filter	
Sampled by: Hugues Potvin	
Sampling Date: 2018-06-21	

Sieve Analysis (% PASSING) (LC 21-040)																	
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm	
Cumulative	Results		100	100	100	100	22	91	73	39	21	12	9	7	6	4.4	
Individual	Results																
Requirements	min.					100	100	65	50	28	16		6			0.0	
	max.					100	100	100	100	60	40		23			10.0	

Other tests	Results	Requirements	PROCTOR TEST (NQ 2501-255)	Results
		min. max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	2.10%		Optimum Moisture Content	(%)
			Proctor at 0% of Stone : kg/m ³	
			Correction Factor:	
			Gradation limits: Fine Filter: Central Dike	
			Sieve Analysis Graph	
			% gravel 61.0% Cu = 16 D ₈₅ = 16.5 D ₁₅ = 1.1 % sand 34.6% Cc = 2 D ₆₀ = 8.7 D ₁₀ = 0.5 % silt/clay 4.4% D ₅₀ = 6.5	

Remarks:	
Prepared by: Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited	BOARD N°:	
PROJECT:	Increase the final level of North cell	PROJECT N°:	11118538-B1
		Sample N°:	FF-394-2018
		DATE:	2018-06-27
Description of Material:	Fine filter	Location of Sampling:	Stock pile
Origin:	Stock pile		
Proposed Use:	Up stream filter	Sampled by:	Hugues Potvin
		Sampling Date:	2018-06-21

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	23	88	63	29	14	8	6	5	4	3.3
Individual Results																
Requirements	min.					100	100	65	50	28	16		6			0.0
	max.					100	100	100	100	60	40		23			10.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.			
Water content	1.60%			Maximum Dry Unit Weight		(kg/m³)
				Optimum Moisture Content		(%)
				Proctor at 0% of Stone :		kg/m3
				Correction Factor:		
				Gradation limits: Fine Filter: Central Dike		
				Sieve Analysis Graph % gravel 71.0% Cu = 11 D₈₅ = 18.0 D₁₅ = 2.1 % sand 25.7% Cc = 2 D₆₀ = 11.6 D₁₀ = 1.1 % silt/clay 3.3% D₅₀ = 8.7		

Remarks:			
Prepared by:	Hugues Potvin	Verified by:	



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited	BOARD N°:	
PROJECT:	Increase the final level of North cell	PROJECT N°:	11118538-B1
		Sample N°:	FF-395-2018
		DATE:	2018-06-28
Description of Material:	Fine filter	Location of Sampling:	Stock pile
Origin:	Stock pile		
Proposed Use:	Up stream filter	Sampled by:	Hugues Potvin
		Sampling Date:	2018-06-21

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative	Results		100	100	100	100	100	90	69	35	20	12	8	6	5	4.0
Individual	Results															
Require- ments	min.					100	100	65	50	28	16		6			0.0
	max.					100	100	100	100	60	40		23			10.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results														
		min.	max.																	
Water content	1.50%			Maximum Dry Unit Weight		(kg/m ³)														
				Optimum Moisture Content		(%)														
				Proctor at 0% of Stone :		kg/m ³														
				Correction Factor:																
				Gradation limits: Fine Filter: Central Dike																
				Sieve Analysis Graph PARTICLE SIZE, mm <table border="0"> <tr> <td>% gravel</td> <td>64.9%</td> <td>Cu = 16</td> <td>D₈₅ = 17.3</td> <td>D₁₅ = 1.2</td> </tr> <tr> <td>% sand</td> <td>31.1%</td> <td>Cc = 2</td> <td>D₆₀ = 9.8</td> <td>D₃₀ = 9.8</td> </tr> <tr> <td>% silt/clay</td> <td>4.0%</td> <td></td> <td>D₅₀ = 7.3</td> <td></td> </tr> </table>		% gravel	64.9%	Cu = 16	D ₈₅ = 17.3	D ₁₅ = 1.2	% sand	31.1%	Cc = 2	D ₆₀ = 9.8	D ₃₀ = 9.8	% silt/clay	4.0%		D ₅₀ = 7.3	
% gravel	64.9%	Cu = 16	D ₈₅ = 17.3	D ₁₅ = 1.2																
% sand	31.1%	Cc = 2	D ₆₀ = 9.8	D ₃₀ = 9.8																
% silt/clay	4.0%		D ₅₀ = 7.3																	

Remarks:		
Prepared by:	Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT: Agnico Eagle Mines Limited PROJECT: Increase the final level of North cell	BOARD N°: PROJECT N°: 11118538-B1 Sample N°: FF-396-2018 DATE: 2018-06-28
Description of Material: Fine filter Location of Sampling: Stock pile	
Origin: Stock pile	
Proposed Use: Up stream filter Sampled by: Hugues Potvin	
Sampling Date: 2018-06-21	

Sieve Analysis (% PASSING) (LC 21-040)																	
Sieve				x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative	Results			100	100	100	100	100	86	65	31	18	11	8	6	5	4.0
Individual	Results																
Require- ments	min.						100	100	65	50	28	16		6			0.0
	max.						100	100	100	100	60	40		23			10.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	2.50%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone : kg/m ³	
				Correction Factor:	
				Gradation limits: Fine Filter: Central Dike	
				Sieve Analysis Graph 	
				% gravel 68.6% Cu = 16 D ₆₅ = 18.7 D ₁₅ = 1.4 % sand 27.4% Cc = 3 D ₅₀ = 11.0 D ₁₀ = 0.7 % silt/clay 4.0% D ₃₀ = 8.2	

Remarks:	
Prepared by: Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT: Agnico Eagle Mines Limited PROJECT: Increase the final level of North cell	BOARD N°: PROJECT N°: 1118538-B1 Sample N°: FF-397-2018 DATE: 2018-06-29
Description of Material: Fine filter Location of Sampling: Stock pile	
Origin: Stock pile	
Proposed Use: Up stream filter Sampled by: Hugues Potvin	
Sampling Date: 2018-06-21	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.75 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative	Results		100	100	100	100	86	63	31	18	11	8	6	5	4.1	
Individual	Results															
Require- ments	min.					100	100	65	50	28	16	6				0.0
	max.					100	100	100	100	60	40	23				10.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content				Optimum Moisture Content	(%)
				Proctor at 0% of Stone : kg/m ³	
				Correction Factor:	
				Gradation limits: Fine Filter: Central Dike	
				Sieve Analysis Graph 	
				% gravel 69.1% Cu = 18 D ₈₅ = 18.6 D ₁₅ = 1.3 % sand 26.8% Cc = 3 D ₆₀ = 11.4 D ₁₀ = 0.6 % silt/clay 4.1% D ₅₀ = 8.5	

Remarks:	
Prepared by: Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited	BOARD N°:	
PROJECT:	Increase the final level of North cell	PROJECT N°:	11118538-B1
		Sample N°:	FF-398-2018
		DATE:	2018-06-29
Description of Material:	Fine filter	Location of Sampling:	Stock pile
Origin:	Stock pile		
Proposed Use:	Up stream filter	Sampled by:	Hugues Potvin
		Sampling Date:	2018-06-21

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	91	69	36	22	14	10	8	6	4.8
Individual Results																
Requirements	min.					100	100	65	50	28	16		6			0.0
	max.					100	100	100	100	60	40		23			10.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.			
Water content	2.30%			Maximum Dry Unit Weight		(kg/m ³)
				Optimum Moisture Content		(%)
				Proctor at 0% of Stone :		kg/m ³
				Correction Factor:		
				Gradation limits:		Fine Filter: Central Dike
				Sieve Analysis Graph		
				% gravel 64.3% Cu = 21 D ₈₅ = 17.1 D ₁₅ = 1.0 % sand 31.0% Cc = 2 D ₆₀ = 9.7 D ₁₀ = 0.5 % silt/clay 4.8% D ₅₀ = 7.3		

Remarks:		
Prepared by:	Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT: Agnico Eagle Mines Limited PROJECT: Increase the final level of North cell	BOARD N°: PROJECT N°: 11118538-B1 Sample N°: FF-399-2018 DATE: 2018-07-02
Description of Material: Fine filter	
Location of Sampling: Stock pile	
Origin: Stock pile	
Proposed Use: Up stream filter	
Sampled by: Hugues Potvin	
Sampling Date: 2018-06-21	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	90	71	39	25	16	11	9	7	5.8
Individual Results																
Requirements	min.						100	100	65	50	28	16		6		0.0
	max.						100	100	100	100	60	40		23		10.0

Other tests	Results	Requirements	PROCTOR TEST (NQ 2501-255)	Results
		min. max.		
Water content	2.90%		Maximum Dry Unit Weight	(kg/m ³)
			Optimum Moisture Content	(%)
			Proctor at 0% of Stone : kg/m ³	
			Correction Factor:	
			Gradation limits: Fine Filter: Central Dike	
			Sieve Analysis Graph	
			% gravel 60.5% Cu = 29 D ₈₅ = 17.0 D ₁₅ = 0.7 % sand 33.7% Cc = 3 D ₆₀ = 9.0 D ₁₀ = 0.3 % silt/clay 5.8% D ₅₀ = 6.6	

Remarks:	
Prepared by: Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT: Agnico Eagle Mines Limited PROJECT: Increase the final level of North cell	BOARD N°: PROJECT N°: 11118538-B1 Sample N°: FF-400-2018 DATE: 2018-07-01
Description of Material: Fine filter Origin: Stock pile Proposed Use: Up stream filter	Location of Sampling: Stock pile Sampled by: Hugues Potvin Sampling Date: 2018-06-21

Sieve Analysis (% PASSING) (LC 21-040)																	
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm	
Cumulative	Results		100	100	100	100	93	79	51	36	25	18	14	12	9.3		
Individual	Results																
Require- ments	min.					100	100	65	50	28	16		6			0.0	
	max.					100	100	100	100	60	40		23			10.0	

Other tests	Results	Requirements	PROCTOR TEST (NQ 2501-255)	Results
		min. max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	2.80%		Optimum Moisture Content	(%)
			Proctor at 0% of Stone : kg/m ³	
			Correction Factor:	
			Gradation limits: Fine Filter: Central Dike	
			Sieve Analysis Graph	
			% gravel 49.5% Cu = 72 D ₉₅ = 15.0 D ₁₅ = 0.3 % sand 41.2% Cc = 3 D ₆₀ = 6.6 D ₁₀ = 0.1 % silt/clay 9.3% D ₅₀ = 4.6	

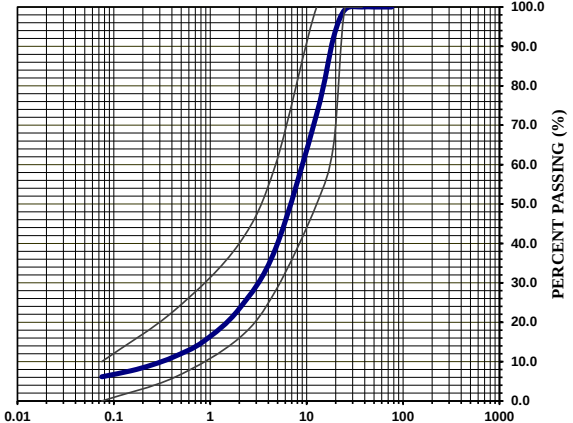
Remarks:	
Prepared by: Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited	BOARD N :	0
PROJECT:	Increase the final level of North cell	PROJECT N :	11118538-B1
		Sample N°:	FF-401-2018
		DATE:	2018-07-02
Description of Material:	Fine filter	Location of Sampling:	Stock pile
Origin:	Stock pile		
Proposed Use:	Up stream filter	Sampled by:	Hugues Potvin
		Sampling Date:	2018-06-21

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	99	92	73	39	23	15	11	9	8	6.1
Individual Results																
Requirements	min.						100	100	65	50	28	16	6			0.0
	max.						100	100	100	100	60	40	23			10.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	4.30%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits:	Fine Filter: Central Dike
				Sieve Analysis Graph	
					
				% gravel	61.3% Cu = 29 D ₈₅ = 16.3 D ₁₅ = 0.8
				% sand	32.6% Cc = 3 D ₆₀ = 8.8 D ₁₀ = 0.3
				% silt/clay	6.1% D ₅₀ = 6.6

Remarks:	
Prepared by:	Hugues Potvin
Verified by:	

Complaint S.B.



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited	BOARD N°:	
PROJECT:	Increase the final level of North cell	PROJECT N°:	11118538-B1
		Sample N°:	FF-402-2018
		DATE:	2018-07-03
Description of Material:	Fine filter	Location of Sampling:	Stock pile
Origin:	Stock pile		
Proposed Use:	Up stream filter	Sampled by:	Hugues Potvin
		Sampling Date:	2018-06-21

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x	200	150	75	25	19	12.5	4.76	2.00	0.85	0.425	0.25	0.15	0.075
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Cumulative Results			100	100	100	100	100	94	78	46	28	18	13	11	9	7.2
Individual Results																
Requirements	min.						100	100	65	50	28	16	6			0.0
	max.						100	100	100	100	60	40	23			10.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.	Maximum Dry Unit Weight		(kg/m³)
Water content	3.80%			Optimum Moisture Content		(%)
				Proctor at 0% of Stone : kg/m3		
				Correction Factor:		
				Gradation limits: Fine Filter: Central Dike		
				Sieve Analysis Graph		
				% gravel 54.5% Cu = 37 D ₈₅ = 15.1 D ₁₅ = 0.6 % sand 38.3% Cc = 3 D ₆₀ = 7.4 D ₁₀ = 0.2 % silt/clay 7.2% D ₅₀ = 5.4		

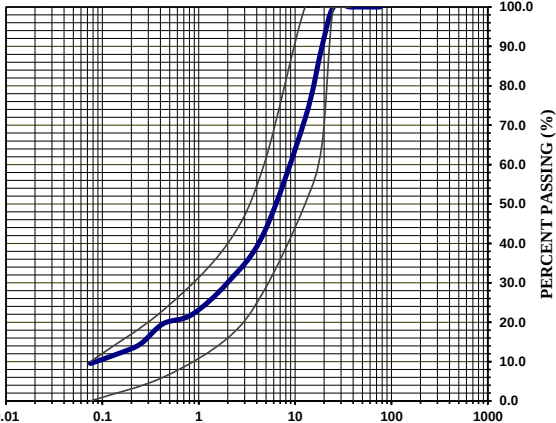
Remarks:		
Prepared by:	Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited		BOARD N°:		
PROJECT:	Increase the final level of North cell		PROJECT N°:	11118538-B1	
			Sample N°:	FF-414-2018	
			DATE:	2018-07-06	
Description of Material:	Fine filter		Location of Sampling:	In the stock pile	
Origin:	Sana Crusher 2nd stockpile				
Proposed Use:	Up stream filter		Sampled by:	Hugues Potvin	
			Sampling Date:	2018-07-02	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	90	72	43	30	22	20	15	12	9.5
Individual Results																
Requirements	min.						100	100	65	50	28	16		6		0.0
	max.						100	100	100	100	60	40		23		10.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.			
Water content	5.38%			Maximum Dry Unit Weight		(kg/m ³)
				Optimum Moisture Content		(%)
				Proctor at 0% of Stone :		kg/m ³
				Correction Factor:		
				Gradation limits: Fine Filter: Central Dike		
				Sieve Analysis Graph		
						
				% gravel 57.3% Cu = 100 D ₈₅ = 17.0 D ₁₅ = 0.3 % sand 33.2% Cc = 5 D ₆₀ = 8.6 D ₁₀ = 0.1 % silt/clay 9.5% D ₅₀ = 6.1		

Remarks:		
Prepared by:	Daniel Roy	Verified by:

APPENDIX I-1C

QC Laboratory Results - Coarse Filter Stockpile Material



Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited		BOARD N :	0	
PROJECT:	Increase the final level of Central Dike at El: 145		PROJECT N :	11118538-B1	
			Sample N°:	CF-375-2018	
			DATE:	2018-04-26	
Description of Material:	Coarse filter		Location of Sampling:	Stock Pile	
Origin:	Sana Chruser		(see sketch join to the report)		
Proposed Use:	Up stream filter		Sampled by:	Cédric Fillon Tremblay	
			Sampling Date:	2018-04-25	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	49	21	16	12	6	4	3	2	1	1	0.8
Individual Results																
Requirements	min.		#N/A	100	86	35	5		0	0	0					
	max.		#N/A	100	100	100	40		18	9	5					

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	1.60%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits:	Coarse Filter: Central Dike
				Sieve Analysis Graph % gravel 94.2% Cu = #N/A D₈₅ = #N/A D₁₅ = 17.2 % sand 5.0% Cc = #N/A D₆₀ = #N/A D₁₀ = 9.4 % silt/clay 0.8% D₅₀ = #N/A	

Remarks:		
Prepared by:	Cédric Fillon Tremblay	Verified by:



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited	BOARD N°:	
PROJECT:	Increase the final level of North cell	PROJECT N°:	11118538-B1
		Sample N°:	CF-382-2018
		DATE:	2018-06-24
Description of Material:	Coarse filler	Location of Sampling:	Stock Pile
Origin:	Stock Pile near Sana crusher		
Proposed Use:	Up stream filter	Sampled by:	Hugues Potvin
		Sampling Date:	2018-06-21

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative	Results		100	100	88	43	28	24	19	11	8	6	4	4	3	2.6
Individual	Results															
Require- ments	min.	#N/A		100	86	42	14		10	5	3		1			
	max.	#N/A		100	100	100	52		35	23	15		10			

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.	Maximum Dry Unit Weight		(kg/m ³)
Water content	not noted			Optimum Moisture Content		(%)
				Proctor at 0% of Stone : kg/m3		
				Correction Factor:		
				Gradation limits: Coarse Filter: Central Dike		
				Sieve Analysis Graph		
				% gravel 88.7% Cu = #N/A D ₈₅ = #N/A D ₁₅ = 7.6 % sand 8.8% Cc = #N/A D ₆₀ = #N/A D ₁₀ = 3.3 % silt/clay 2.6% D ₅₀ = #N/A		

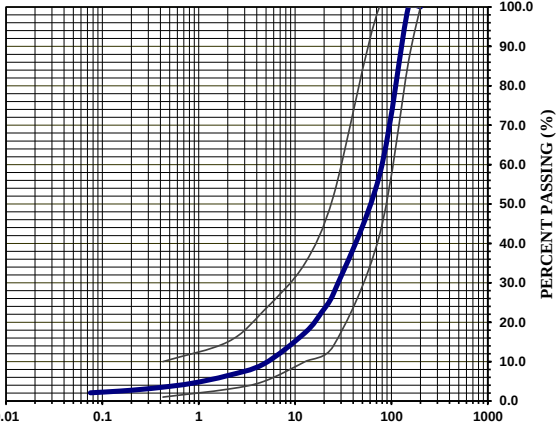
Remarks:		
Prepared by:	Hugues Potvin	Verified by:



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited		BOARD N°:		
PROJECT:	Increase the final level of North cell		PROJECT N°:	11118538-B1	
			Sample N°:	CF-383-2018	
			DATE:	2018-07-04	
Description of Material:	Coarse filter		Location of Sampling:	Stock Pile	
Origin:	Stock Pile near Sana crusher				
Proposed Use:	Up stream filter		Sampled by:	Hugues Potvin	
			Sampling Date:	2018-06-21	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	57	27	23	17	9	6	4	4	3	3	2.1
Individual Results																
Requirements	min.		#N/A	100	86	42	14		10	5	3		1			
	max.		#N/A	100	100	100	52		35	23	15		10			

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.	Maximum Dry Unit Weight		(kg/m ³)
Water content	not noted			Optimum Moisture Content		(%)
				Proctor at 0% of Stone : kg/m ³		
				Correction Factor:		
				Gradation limits: Coarse Filter: Central Dike		
				Sieve Analysis Graph		
						
				% gravel 90.6% Cu = #N/A D ₈₅ = #N/A D ₁₅ = 9.5 % sand 7.4% Cc = #N/A D ₆₀ = #N/A D ₁₀ = 5.1 % silt/clay 2.1% D ₅₀ = 57.5		

Remarks:		
Prepared by:	Daniel Roy	Verified by:



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited		BOARD N°:		
PROJECT:	Increase the final level of North cell		PROJECT N°:	11118538-B1	
			Sample N°:	CF-384-2018	
			DATE:	2018-07-06	
Description of Material:	Coarse filter		Location of Sampling:	Stock Pile	
Origin:	Stock Pile near Sana crusher				
Proposed Use:	Up stream filter		Sampled by:	Hugues Potvin	
			Sampling Date:	2018-06-21	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	64	28	21	15	7	5	3	2	2	1	1.1
Individual Results																
Requirements	min.		#N/A	100	86	42	14		10	5	3		1			
	max.		#N/A	100	100	100	52		35	23	15		10			

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.			
Water content	0.76%			Maximum Dry Unit Weight		(kg/m ³)
				Optimum Moisture Content		(%)
				Proctor at 0% of Stone : kg/m ³		
				Correction Factor:		
				Gradation limits: Coarse Filter: Central Dike		
				Sieve Analysis Graph		
				% gravel 92.6% Cu = 10 D ₈₅ = #N/A D ₁₅ = 12.1 % sand 6.3% C _c = 2 D ₆₀ = 66.4 D ₁₀ = 6.6 % silt/clay 1.1% D ₅₀ = 49.1		

Remarks:		
Prepared by:	Daniel Roy	Verified by:



Analysis Report Soils and Aggregates

CLIENT:	Agnico Eagle Mines Limited		BOARD N°:		
PROJECT:	Increase the final level of North cell		PROJECT N°:	11118538-B1	
			Sample N°:	CF-387-2018	
			DATE:	2018-07-05	
Description of Material:	Coarse filter		Location of Sampling:	Second Stock Pile	
Origin:	Second Stock Pile				
Proposed Use:	Up stream filter		Sampled by:	Hugues Potvin	
			Sampling Date:	2018-07-02	

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	49	23	19	15	10	8	6	5	4	4	3.2
Individual Results																
Requirements	min.		#N/A	100	86	42	14		10	5	3		1			
	max.		#N/A	100	100	100	52		35	23	15		10			

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	1.23%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits:	Coarse Filter: Central Dike
				Sieve Analysis Graph 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0.0 PERCENT PASSING (%) 0.01 0.1 1 10 100 1000 PARTICLE SIZE, mm	
				% gravel	89.8% Cu = #N/A D ₈₅ = #N/A D ₁₅ = 12.7
				% sand	7.0% Cc = #N/A D ₆₀ = #N/A D ₁₀ = 4.4
				% silt/clay	3.2% D ₅₀ = #N/A

Remarks:		
Prepared by:	Daniel Roy	Verified by:

APPENDIX I-2

Central Dike Stage 6 QC Results

APPENDIX I-2A

QC Laboratory Results - Fine Filter: Central Dike Stage 6

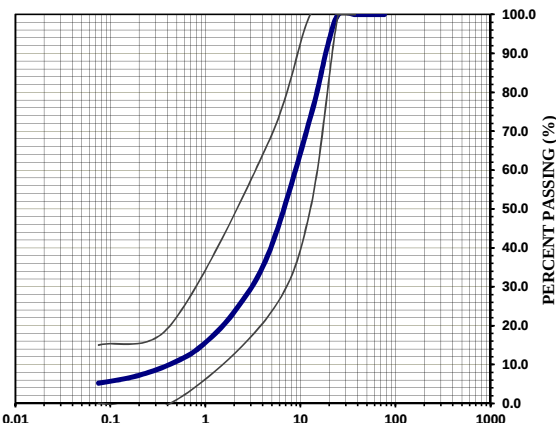


Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited	BOARD N :	0
PROJECT:	Increase the final level of Central Dike at El: 145	PROJECT N :	11118538-B1
		Sample N°:	FF-383-2018
		DATE:	2018-05-10
Description of Material:	Fine filter	Location of Sampling:	In place El: 144.0 at 0+835
Origin:	Sana Chruser		
Proposed Use:	Up stream filter	Sampled by:	Sébastien Blackburn
		Sampling Date:	2018-05-09

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	91	74	39	24	14	10	8	6	5.2
Individual Results																
Requirements	min.					100	100		50	23			0			0.0
	max.					100	100		100	68			20			15.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	3.40%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits: Fine Filter: Central Dike	
				Sieve Analysis Graph	
					
				% gravel	60.6%
				% sand	34.2%
				% silt/clay	5.2%
				Cu = 21	D ₈₅ = 16.5
				Cc = 2	D ₆₀ = 8.6
					D ₅₀ = 6.5
					D ₁₅ = 0.9
					D ₁₀ = 0.4

Remarks:	
Prepared by:	Sébastien Blackburn
Verified by:	

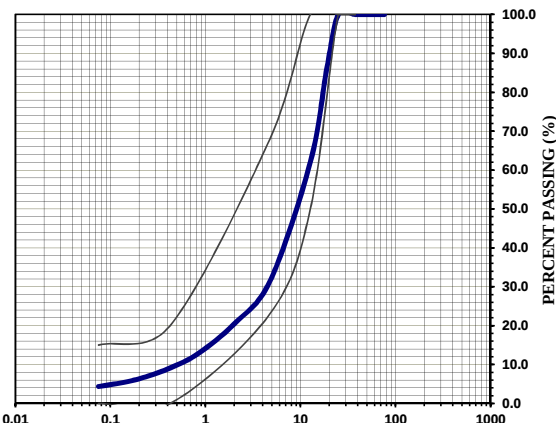


Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited	BOARD N :	0
PROJECT:	Increase the final level of Central Dike at El: 145	PROJECT N :	11118538-B1
		Sample N°:	FF-385-2018
		DATE:	2018-05-10
Description of Material:	Fine filter	Location of Sampling:	In place El: 144.5 at 0+275
Origin:	Sana Chruser		
Proposed Use:	Up stream filter	Sampled by:	Sébastien Blackburn
		Sampling Date:	2018-05-09

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	86	62	31	20	13	9	7	6	4.3
Individual Results																
Require- ments	min.					100	100		50	23			0			0.0
	max.					100	100		100	68			20			15.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	2.60%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits:	Fine Filter: Central Dike
				Sieve Analysis Graph 	
				% gravel	68.6%
				% sand	27.0%
				% silt/clay	4.3%
				Cu =	24
				Cc =	3
				D ₈₅ =	18.6
				D ₆₀ =	11.9
				D ₅₀ =	8.6
				D ₁₅ =	1.1
				D ₁₀ =	0.5

Remarks:	
Prepared by:	Sébastien Blackburn
Verified by:	



Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited	BOARD N :	0
PROJECT:	Increase the final level of Central Dike at El: 145	PROJECT N :	11118538-B1
		Sample N°:	FF-386-2018
		DATE:	2018-05-10
Description of Material:	Fine filter	Location of Sampling:	In place El: 144.0 at 0+775
Origin:	Sana Chruser		
Proposed Use:	Up stream filter	Sampled by:	Sébastien Blackburn
		Sampling Date:	2018-05-09

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	91	69	36	20	12	8	6	5	4.0
Individual Results																
Requirements	min.					100	100		50	23			0			0.0
	max.					100	100		100	68			20			15.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	2.90%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits: Fine Filter: Central Dike	
				Sieve Analysis Graph	
				% gravel	63.6%
				% sand	32.4%
				% silt/clay	4.0%
				Cu = 16	
				Cc = 2	
				D ₈₅ = 17.1	
				D ₆₀ = 9.8	
				D ₅₀ = 7.2	
				D ₁₅ = 1.2	
				D ₁₀ = 0.6	

Remarks:	
Prepared by:	Sébastien Blackburn
Verified by:	



Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited	BOARD N :	0
PROJECT:	Increase the final level of Central Dike at El: 145	PROJECT N :	11118538-B1
		Sample N°:	FF-389-2018
		DATE:	2018-05-12
Description of Material:	Fine filter	Location of Sampling:	In place El: 145 at 0+235
Origin:	Sana Chruser		
Proposed Use:	Up stream filter	Sampled by:	Sébastien Blackburn
		Sampling Date:	2018-05-11

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	100	100	90	66	34	20	12	8	6	5	4.1
Individual Results																
Requirements	min.					100	100		50	23			0			0.0
	max.					100	100		100	68			20			15.0

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)	Results
		min.	max.	Maximum Dry Unit Weight	(kg/m ³)
Water content	3.10%			Optimum Moisture Content	(%)
				Proctor at 0% of Stone :	kg/m ³
				Correction Factor:	
				Gradation limits:	Fine Filter: Central Dike
				Sieve Analysis Graph % gravel 66.5% Cu = 18 D₈₅ = 17.5 D₁₅ = 1.2 % sand 29.4% Cc = 2 D₆₀ = 10.5 D₁₀ = 0.6 % silt/clay 4.1% D₅₀ = 7.8	

Remarks:		
Prepared by:	Sébastien Blackburn	Verified by:

APPENDIX I-2B

QC Laboratory Results - Coarse Filter: Central Dike Stage 6



Analysis Report Soils and Aggregates

0

CLIENT:	Agnico Eagle Mines Limited	BOARD N :	0
PROJECT:	Increase the final level of Central Dike at El: 145	PROJECT N :	11118538-B1
		Sample N°:	CF-377-2018
		DATE:	2018-05-09
Description of Material:	Coarse filter	Location of Sampling:	In place El: 143.5 at 0+270
Origin:	Sana Chruser		
Proposed Use:	Up stream filter	Sampled by:	Cédric Fillon Tremblay
		Sampling Date:	2018-05-06

Sieve Analysis (% PASSING) (LC 21-040)																
Sieve			x mm	200 mm	150 mm	75 mm	25 mm	19 mm	12.5 mm	4.76 mm	2.00 mm	0.85 mm	0.425 mm	0.25 mm	0.15 mm	0.075 mm
Cumulative Results			100	100	100	65	35	28	22	12	8	5	3	3	2	1.8
Individual Results																
Requirements	min.		#N/A	100	86	35	5		0	0	0					
	max.		#N/A	100	100	100	40		18	9	5					

Other tests	Results	Requirements		PROCTOR TEST (NQ 2501-255)		Results
		min.	max.	Maximum Dry Unit Weight		(kg/m ³)
Water content	2.30%			Optimum Moisture Content		(%)
				Proctor at 0% of Stone : kg/m3		
				Correction Factor:		
				Gradation limits: Coarse Filter: Central Dike		
				Sieve Analysis Graph		
				% gravel 88.0% Cu = 19 D ₈₅ = #N/A D ₁₅ = 6.4 % sand 10.3% Cc = 2 D ₆₀ = 62.3 D ₁₀ = 3.2 % silt/clay 1.8% D ₅₀ = 43.0		

Remarks:	The gradation is not in accordance with the requirements
Prepared by:	Sébastien Blackburn
Verified by:	