

FOUNDATION AND KEY TRENCH PREPARATION AND ACCEPTATION

CERTIFICATE OF ACCEPTANCE OF FOUNDATION CONDITION - VAULT DIKE

Acceptance No.:

FND-VD-

12

Date:

21-02-13

This Certificate of Acceptance includes the following items, reviewed and accepted by the undersigned:

- 1) Foundation and Key Trench Preparation and Excavation Checklist (from SNC);
- 2) Sketch of the approximate accepted area, incl. Station and Offset (according to Vault Dike Stations);
- 3) Photo of the accepted area, at the moment of the acceptance;
- 4) Any other relevant documentation complementary to this approval.

The area has been inspected and accepted by authorised personnel representing Quality Control (QC) Program, Quality Assurance (QA) Program and the Owner Representative.

Topography of the approved foundation surface has been surveyed for documentation and as-built purposes, as confirmed by the undersigned surveyor.

The area is accepted as per the foundation conditions at the time of the inspection and the condition of the foundation is required to be maintained prior to and during fill placement.

Owner Representative

Name:

Patrice Gagnon

Position:

AEM- Geotech Eng

QC Representative

night

Name:

Maxime

Position:

INSPEC-SOL- QC representative

QA Engineer

Name:

Marie-Pier Lachance

Position:

SNC- QA-rep

Surveyor

night

Name:

Pascal Dufour

Position:

FGL- Surveyor

NOTES: 1. Original signed certificate must be given to the Owner Representative for documentation records. 2. Survey files from the approved area must be saved in appropriate location as required by the Owner Representative. 3. Photos of approved area must be saved in appropriate location as required by the Owner Representative.



SNC • LAVALIN

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Montreal (Quebec)
Canada H2Y 1P5

Telephone: (514) 393-1000
Fax: (514) 390-2765
www.snclavalin.com

APPROBATION FORM

PROJECT : Construction of Vault Dike

PROJECT #: 611614

DATE: 21-02-13

DOCUMENT #: 20130221-01
(YYYYMMDD-01)

CLIENT: AEM

APPROBATION FOR : ☐ Foundation Approval (Footprint)
☐ Foundation Approval (Key Trench)
☒ Fill Placement (0-200)
☐ Other _____

LOCATION	PREVIOUS APPROVALS
FROM STATION: 200	FROM: 185
TO: 320	TO: 200
ELEVATION: <input checked="" type="checkbox"/> VARIES _____ m	

RESPECT TO THE SPECIFICATIONS ACCORDING TO:

- Quotes and lines respected
- Free of Ice / Snow / Water
- Gradation (visual)
- Placement (in regards to segregations, lift thickness)
- Compaction
- Foundation on Bedrock
- As built survey completed
- _____
- _____

VERIFICATIONS MADE BY:				
QA		QC		N/A
Y	N	Y	N	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DETAILS (REFER TO NUMBER ABOVE)

ITEM

APPROVED BY:

QA	QC
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

APPROVED BY: QA REPRESENTATIVE
QC REPRESENTATIVE
OWNER REPRESENTATIVE

SIGNATURE
[Signature]

DATE
21-02-13
22-02-13

Approved Area

Station: 0+200 (Offset): _____ To Station: 0+320 (Offset): _____

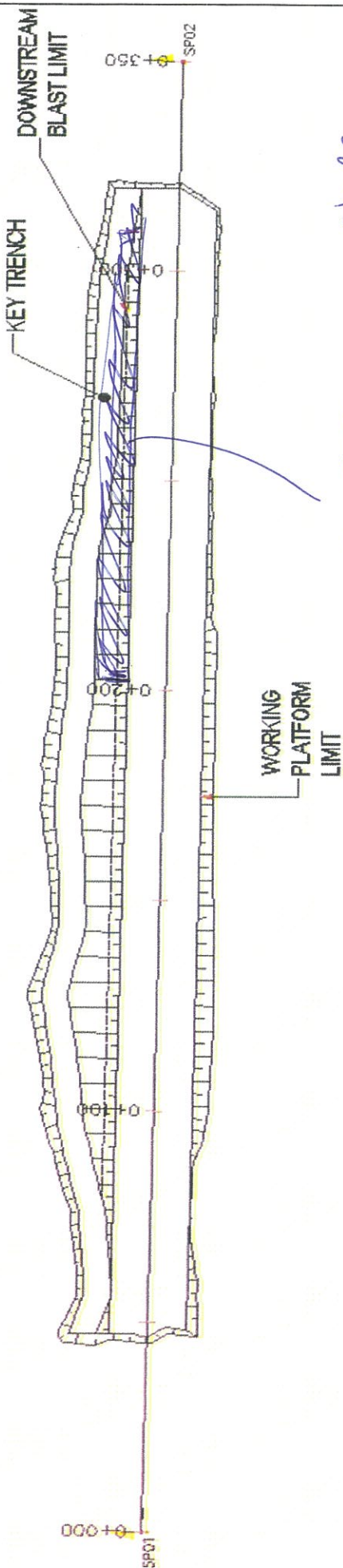


Figure 1 - Approximate approved foundation area

Date: 21-02-13

Sketch by (Initial):

YH/L

FOUNDATION AND KEY TRENCH PREPARATION AND ACCEPTATION

CERTIFICATE OF ACCEPTANCE OF FOUNDATION CONDITION - VAULT DIKE

Acceptance No.:

FND-VD-

13

Date:

21-02-13

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- 3) Photo of the accepted area, at the moment of the acceptance;
- 4) Any other relevant documentation complementary to this approval.

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Topography of the approved foundation surface has been surveyed for documentation and as-built purposes, as confirmed by the undersigned surveyor.

The area is accepted as per the foundation conditions at the time of the inspection and the condition of the foundation is required to be maintained prior to and during fill placement.

Owner Representative

Name:

Fatice Gagnon

Position:

AEM- Geotech Eng

QC Representative

Name:

FABRIEN ZAB

Position:

INSP- SOL- QC REP

QA Engineer

Name:

Marie-Pier Lachance-Ricard

Position:

SNC- QA rep.

Surveyor

Name:

Position:

FGL-

Chauve Tremblay

NOTES: 1. Original signed certificate must be given to the Owner Representative for documentation records. 2. Survey files from the approved area must be saved in appropriate location as required by the Owner Representative. 3. Photos of approved area must be saved in appropriate location as required by the Owner Representative.

PROJECT : Construction of Vault Dike

PROJECT #: 611614

DATE: 21-02-13

DOCUMENT #: 20130221-01
(YYYYMMDD-01)

CLIENT: AEM

APPROBATION FOR : ☐ Foundation Approval (Footprint)
☐ Foundation Approval (Key Trench)
☒ Fill Placement (0-20mm)
☐ Other _____

LOCATION	PREVIOUS APPROVALS
FROM STATION: 0+200	FROM: 0+185
TO: 0+270	TO: 0+200
ELEVATION: <input checked="" type="checkbox"/> VARIES _____ m	

RESPECT TO THE SPECIFICATIONS ACCORDING TO:

- Quotes and lines respected
- Free of Ice / Snow / Water
- Gradation (visual)
- Placement (in regards to segregations, lift thickness)
- Compaction
- Foundation on Bedrock
- As built survey completed
- _____
- _____

VERIFICATIONS MADE BY:				
QA		QC		N/A
Y	N	Y	N	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DETAILS (REFER TO NUMBER ABOVE)

ITEM

APPROVED BY:

QA	QC
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

APPROVED BY: QA REPRESENTATIVE
QC REPRESENTATIVE
OWNER REPRESENTATIVE

SIGNATURE


DATE
21-02-13
~~21-02-13~~

Approved Area

Station: 0+200 (Offset):

To Station: 0+270 (Offset):

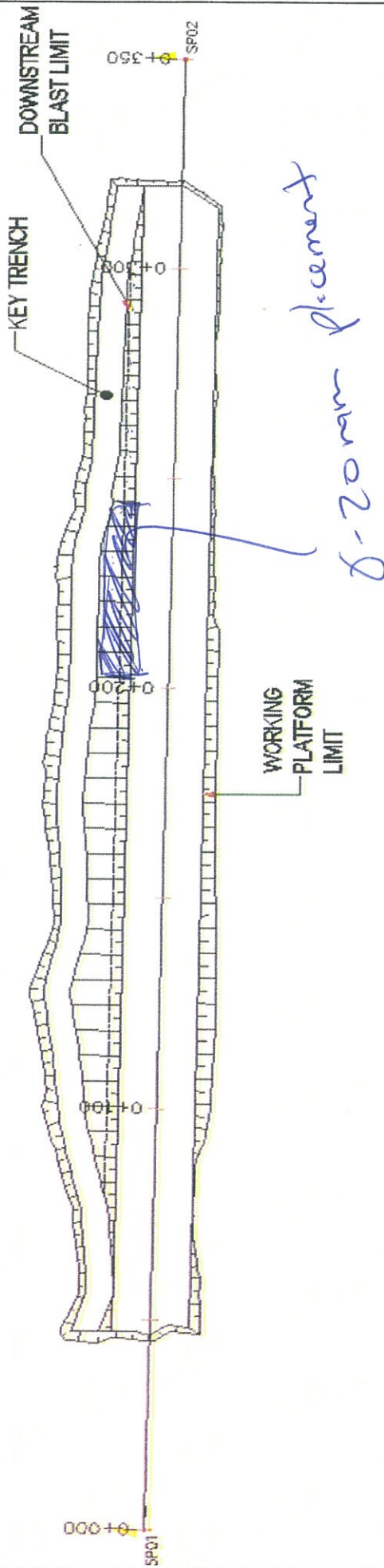


Figure 1 - Approximate approved foundation area

Date: 21/02/13

Sketch by (Initial): YLR

FOUNDATION AND KEY TRENCH PREPARATION AND ACCEPTATION

CERTIFICATE OF ACCEPTANCE OF FOUNDATION CONDITION - VAULT DIKE

Acceptance No.:

FND-VD-

14

Date:

22-02-13

This Certificate of Acceptance includes the following items, reviewed and accepted by the undersigned:

- 1) Foundation and Key Trench Preparation and Excavation Checklist (from SNC);
- 2) Sketch of the approximate accepted area, incl. Station and Offset (according to Vault Dike Stations);
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Owner Representative

Name:

PATRICE GAGNON

Position:

AEM- Geotech Eng

QC Representative

Name:

Maxime Côté

Position:

INSPEC-SOL- QC rep.

QA Engineer

Name:

Marie-Pier Lechance

Position:

SNC- QA rep.

Surveyor

Name:

Charles Thériault

Position:

FGL-

NOTES: 1. Original signed certificate must be given to the Owner Representative for documentation records. 2. Survey files from the approved area must be saved in appropriate location as required by the Owner Representative. 3. Photos of approved area must be saved in appropriate location as required by the Owner Representative.



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APPROBATION FORM

PROJECT : Construction of Vault Dike

PROJECT #: 611614

DATE: 22/02/13

DOCUMENT #: 20130222-01
(YYYYMMDD-01)

CLIENT: AEM

APPROBATION FOR : ☐ Foundation Approval (Footprint)
☐ Foundation Approval (Key Trench)
☒ Fill Placement (0-20mm)
☐ Other _____

<p>LOCATION</p> <p>FROM STATION: 0+270</p> <p>TO: 0+320</p> <p>ELEVATION: <input checked="" type="checkbox"/> VARIES _____ m</p>	<p>PREVIOUS APPROVALS</p> <p>FROM: 0+200</p> <p>TO: 0+270</p>
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RESPECT TO THE SPECIFICATIONS ACCORDING TO:

- Quotes and lines respected
- Free of Ice / Snow / Water
- Gradation (visual)
- Placement (in regards to segregations, lift thickness)
- Compaction
- Foundation on Bedrock
- As built survey completed
- _____
- _____

VERIFICATIONS MADE BY:				
QA		QC		N/A
Y	N	Y	N	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DETAILS (REFER TO NUMBER ABOVE)

ITEM

APPROVED BY:

QA	QC
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

APPROVED BY: QA REPRESENTATIVE
QC REPRESENTATIVE
OWNER REPRESENTATIVE

SIGNATURE

[Signature]

DATE

22-02-13
22-02-13

Approved Area

Station: _____ (Offset): _____ To Station: _____ (Offset): _____

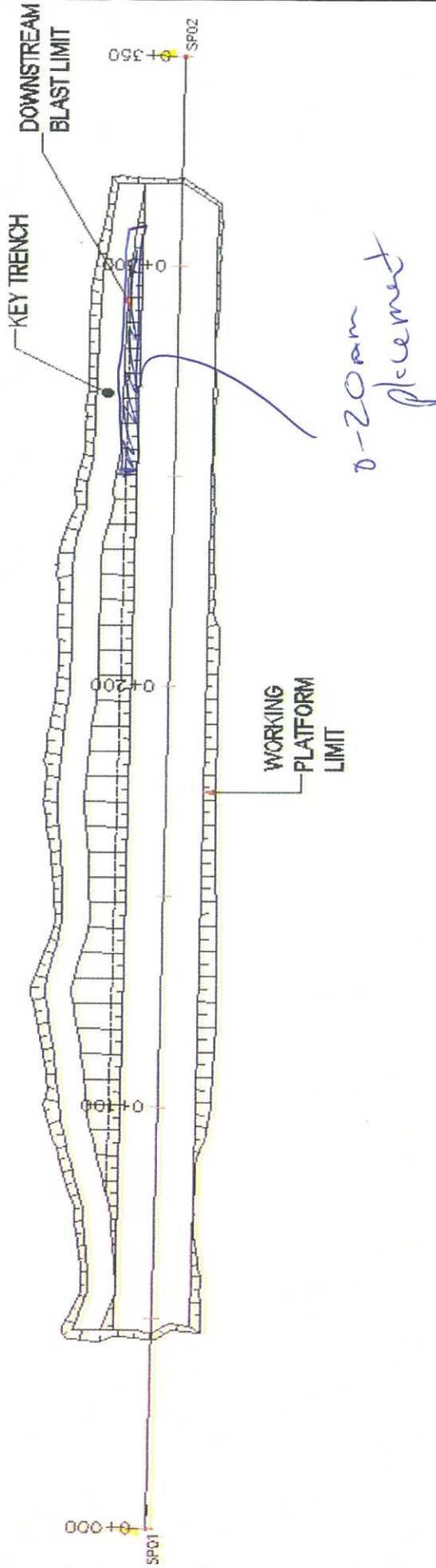


Figure 1 - Approximate approved foundation area

Date: 22-02-13

Sketch by (Initial) :

YML

FOUNDATION AND KEY TRENCH PREPARATION AND ACCEPTATION

CERTIFICATE OF ACCEPTANCE OF FOUNDATION CONDITION - VAULT DIKE

Acceptance No.:

FND-VD-

15

Date:

23-02-13

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Owner Representative

Name:

Patrice Gagnon

Position:

AEM- Gestechn Ing

QC Representative

Name:

X NOT THERE

Position:

INSPEC-SOL-

QA Engineer

Name:

Marie-Pier Lachance

Position:

SNC- QA rep.

Surveyor

Name:

Position:

FGL-

SURVEYOR Claude Raby

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APPROBATION FORM

PROJECT : Construction of Vault Dike

PROJECT #: 611614

DATE: 23-02-13

DOCUMENT #: 20130223-01
(YYYYMMDD-01)

CLIENT: ABM

APPROBATION FOR : ☐ Foundation Approval (Footprint)
☐ Foundation Approval (Key Trench)
☒ Fill Placement (bento-mix)
☐ Other

LOCATION		PREVIOUS APPROVALS	
FROM STATION:	190	FROM:	
TO:	210	TO:	
ELEVATION:	<input checked="" type="checkbox"/> VARIES m		

RESPECT TO THE SPECIFICATIONS ACCORDING TO:

- Quotes and lines respected
- Free of Ice / Snow / Water
- Gradation (visual)
- Placement (in regards to segregations, lift thickness)
- Compaction
- Foundation on Bedrock
- As built survey completed
-
-

VERIFICATIONS MADE BY:				
QA		QC		N/A
Y	N	Y	N	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DETAILS (REFER TO NUMBER ABOVE)

ITEM

APPROVED BY:

QA	QC
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

APPROVED BY:

QA REPRESENTATIVE

QC REPRESENTATIVE

OWNER REPRESENTATIVE

SIGNATURE

DATE

23-02-13

X

Approved Alca

Station: 0+190 (Offset):

To Station: 0+210 (Offset):

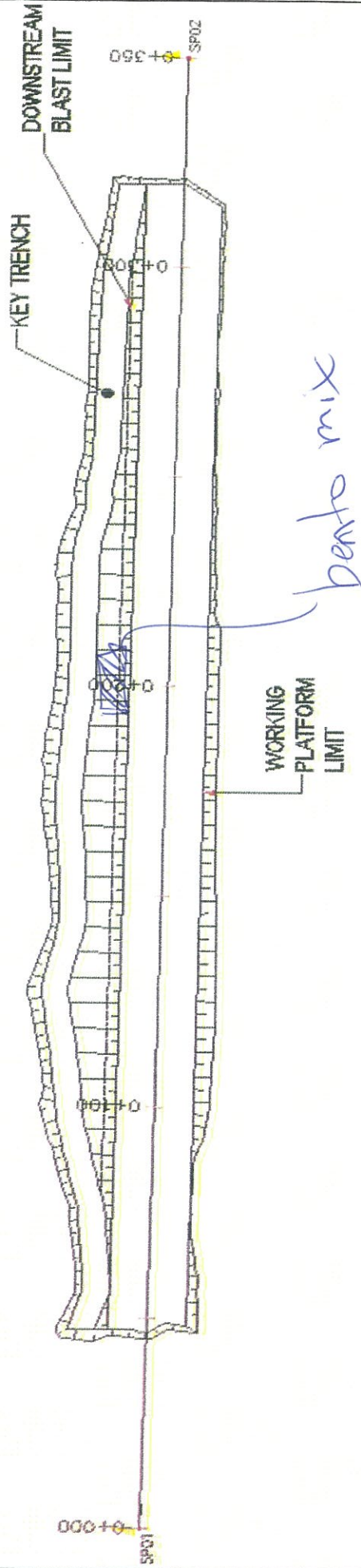


Figure 1 - Approximate approved foundation area

Date: 23-02-13

Sketch by (Initial):

YPL

FOUNDATION AND KEY TRENCH PREPARATION AND ACCEPTATION

CERTIFICATE OF ACCEPTANCE OF FOUNDATION CONDITION - VAULT DIKE

Acceptance No.:

FND-VD-

16

Date:

23-02-13

ms

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Owner Representative

Name:

Patrice Gagnon

Position:

AEM- Geotech Eng

QC Representative

Name:

FABRIEN ZILLI

Position:

INSPEC-SOL-

QA Engineer

Name:

Marie-Hélène Lachance

Position:

SNC-

QA rep.

Surveyor

Name:

Position:

FGL-

Charles Thériault

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Fax: (514) 390-2765
www.snc-lavalin.com

APPROBATION FORM

PROJECT : Construction of Vault Dike

PROJECT #: 611614

DATE: 23-02-13 night

DOCUMENT #: 2030223-01
(YYYYMMDD-01)

CLIENT: AEM

APPROBATION FOR :
☐ Foundation Approval (Footprint)
☐ Foundation Approval (Key Trench)
☒ Fill Placement (bento mix)
☐ Other

LOCATION	PREVIOUS APPROVATIONS
FROM STATION: 0+210	FROM:
TO: 0+225	TO:
ELEVATION: <input checked="" type="checkbox"/> VARIES m	

RESPECT TO THE SPECIFICATIONS ACCORDING TO:

1. Quotes and lines respected
2. Free of Ice / Snow / Water
3. Gradation (visual)
4. Placement (in regards to segregations, lift thickness)
5. Compaction
6. Foundation on Bedrock
7. As built survey completed
- 8.
- 9.

VERIFICATIONS MADE BY:				
QA		QC		N/A
Y	N	Y	N	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DETAILS (REFER TO NUMBER ABOVE)

ITEM

APPROVED BY:

QA	QC
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

APPROVED BY: QA REPRESENTATIVE
QC REPRESENTATIVE
OWNER REPRESENTATIVE

SIGNATURE

DATE

23-02-13
23-02-13

Approved Area

Station: 0+210 (Offset): _____ To Station: 0+225 (Offset): _____

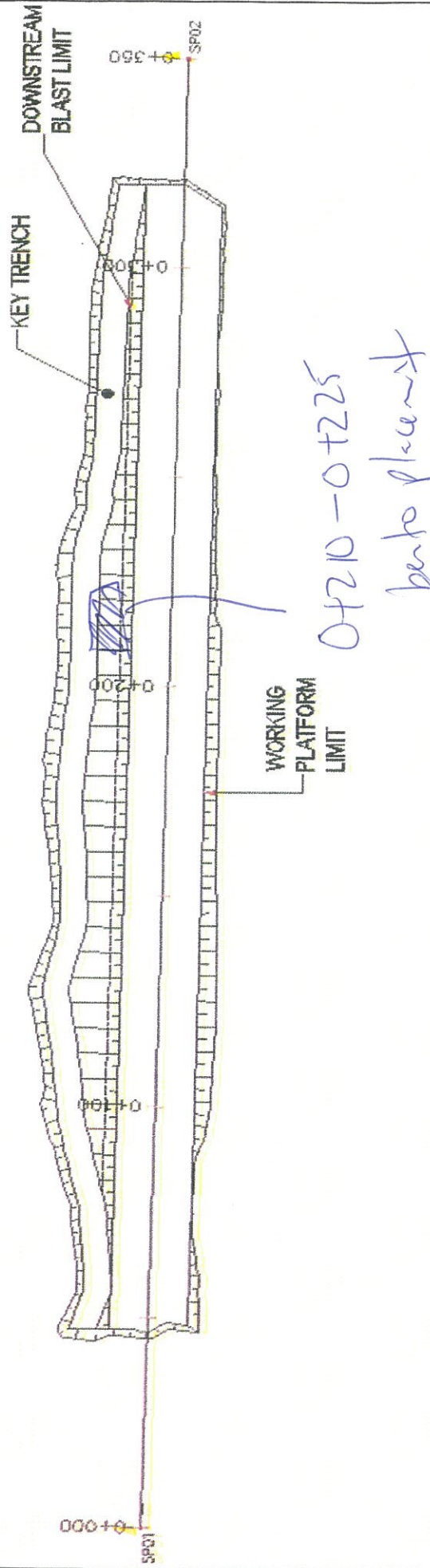


Figure 1 - Approximate approved foundation area

Date: 23-02-13

Sketch by (Initial) : YPR