CV-216

#### **FOUNDATION ACCEPTANCE**

April 23, 2024

CLIENT:	Baffinland Iron Mines Corporation	PROJECT NO.:	181/93
TO:	Baruck Wile/Rudolf Dietrich	FILE NO:	.F11
CC:	Michael Burns, Dale Tulloch, Abid Najey, Jim Patterson, Shannon Mulhall, David Bruce, Environment Superintendents (Baffinland), Richard Cook, Toby Perkins, Andy Phillips, Mackenzie Aiken, Matthew Trask, Darren Kocken (KP), Michael Johnson (NSC)	REF. NO.:	83
ACCEPTANCE NO.:	CV-216-FND-01	PAGES:	8

#### 1 - DESCRIPTION OF AREA ACCEPTED

The Foundation Acceptance area is within the footprint for the first lift of Culvert Backfill material for CV-216. The accepted foundation is shown in Figures 1 and 2 and in Photos 1 to 9.

**Dates of Inspection**: April 18, 19, 20 and 21, 2024 **Date of Approval:** April 18, 19, 20, and 21 2024

The existing culvert and roadway area at CV-216 were blasted on April 9, 2024. The foundation area was prepared by removing blasted material, snow, and ice from the foundation area with a CAT 349F excavator.

The prepared foundation surface included both massive ice and frozen in situ soil. Water was encountered in the outlet apron foundation area and was managed using the excavator bucket and surface grading. The prepared foundation will be used for placement of culvert backfill material. The foundation was visually inspected and is suitable for placement of the first 200 mm lift of culvert backfill material. Nuna surveyed the base of the approved foundation area prior to placing backfill material.

#### 2 - APPROXIMATE AREA ACCEPTED

The foundation preparation work at CV-216 was broken up into the following seven (7) subsections:

- 1. Inlet Apron Area
- 2. Road Crossing Area Adjacent to the Inlet Apron Area
- 3. Road Crossing Area Centre Area
- 4. Road Crossing Area Excavated Test Pit
- 5. Road Crossing Area Adjacent to the Outlet Apron Area
- 6. Outlet Apron Area Eastern Portion
- 7. Outlet Apron Area Western Portion

The foundation was approved in seven (7) different subsections due to on site conditions and the constructability of the culvert design. The subsections were approved in ascending numerical order. All seven (7) sections are included in this Foundation Acceptance Form. Please refer to Figure 1 for clarification.



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#### **FOUNDATION ACCEPTANCE**

April 23, 2024

#### 3 - CONDITIONS

- Nuna is responsible for maintaining the condition of the accepted foundation area and cleaning and preparing the
  area as specified by Knight Piésold. This includes the responsibility of the safety, stability, maintenance, support,
  and protection of all temporary excavated surfaces until the completion of backfill.
- The Culvert Backfill material must be placed and spread in 200 mm thick lifts and compacted with 8 passes of a 1000lbs Mikasa MVH-408DZ Hand Guided Plate Tamper or placed and spread in 300 mm thick lifts and compacted with 6 passes of a Smooth Drum Vibratory Compactor with a minimum static weight of 10 tons.
- Degradation to the foundation soils from equipment may require repair and additional foundation preparation prior to subsequent material placement.
- Loose ice, snow and/or loose frozen fill materials must be removed from prepared foundations prior to placing any fill material. No frozen material shall be placed.

#### 4 - CERTIFICATION

The area accepted was inspected by Knight Piésold Ltd., Nuna, and Baffinland Iron Mines Corporation.

We, the undersigned are authorized representatives of the companies listed, and do hereby accept the Foundation Preparation over the area described above.

Knight Piésold Ltd.:	
	Darren Kocken, Geological Engineering, Knight Piésold Ltd.
Nuna:	
	Harvey Blouin, Construction Superintendent, Nuna
Baffinland Iron Mines Corporation:	
	Baruck Wile, Project Supervisor, Baffinland Iron Mines Corporation



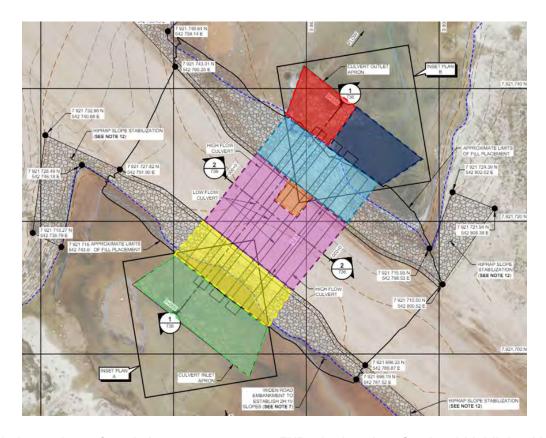


Figure 1: Approximate foundation acceptance area FND-01, plan view. Section 1 highlighted in green, Section 2 highlighted in yellow, Section 3 highlighted in purple, Section 4 highlighted in orange, Section 5 highlighted in light blue, Section 6 highlighted in red, Section 7 highlighted in navy.

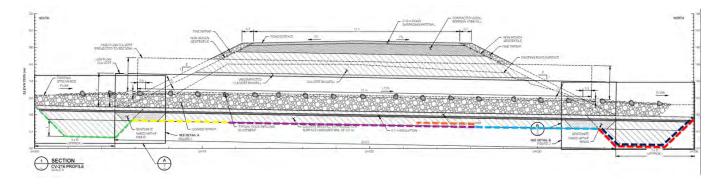


Figure 2: Approximate foundation acceptance area FND-01, sectional view. Section 1 highlighted in green, Section 2 highlighted in yellow, Section 3 highlighted in purple, Section 4 highlighted in orange, Section 5 highlighted in light blue, Section 6 highlighted in red, Section 7 highlighted in navy.





Photo 1 Excavating unsuitable materials within Section 1 at CV-216 inlet apron. Photo taken April 18, 2024, looking east.

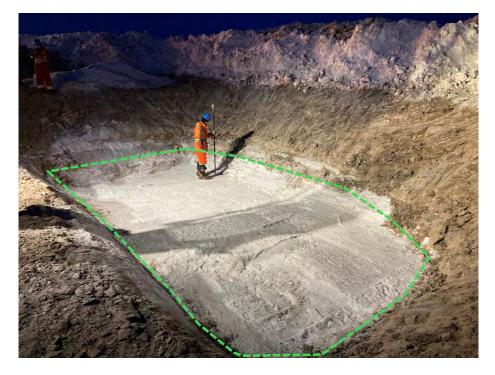


Photo 2 Approximate Foundation Acceptance Area - Section 1, outlined in green. Photo taken April 18, 2024, looking southeast.





Photo 3 Excavating unsuitable materials within Section 2 at CV-216. Photo taken April 19, 2024, looking east.

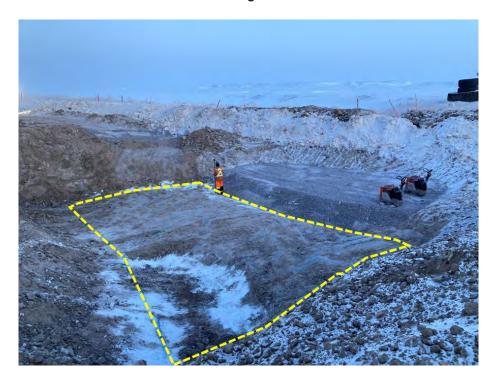


Photo 4 Approximate Foundation Acceptance Area - Section 2, outlined in yellow. Photo taken April 19, 2024, looking southeast.



CV-216

#### **FOUNDATION ACCEPTANCE**



Photo 5 Approximate Foundation Acceptance Area - Section 3, outlined in purple. Photo taken April 20, 2024, looking northwest.



Photo 6 Approximate Foundation Acceptance Area - Section 4, outlined in orange. Photo taken April 20, 2024, looking southwest.





Photo 7 Approximate Foundation Acceptance Area - Section 5, outlined in light blue. Photo taken April 21, 2024, looking east.



Photo 8 Approximate Foundation Acceptance Area - Section 6, outlined in red. Photo taken April 21, 2024, looking north.



CV-216

#### **FOUNDATION ACCEPTANCE**



Photo 9 Approximate Foundation Acceptance Area - Section 7, outlined in navy. Photo taken April 21, 2024, looking south.



CV-216

#### **FOUNDATION ACCEPTANCE**

April 23, 2024

CLIENT:	Baffinland Iron Mines Corporation	PROJECT NO.:	181/93
TO:	Baruck Wile/Rudolf Dietrich	FILE NO:	.F11
CC:	Michael Burns, Dale Tulloch, Abid Najey, Jim Patterson, Shannon Mulhall, David Bruce, Environment Superintendents (Baffinland), Richard Cook, Toby Perkins, Andy Phillips, Mackenzie Aiken, Matthew Trask, Darren Kocken (KP), Michael Johnson (NSC)	REF. NO.:	83
ACCEPTANCE NO.:	CV-216-FND-01	PAGES:	8

#### 1 - DESCRIPTION OF AREA ACCEPTED

The Foundation Acceptance area is within the footprint for the first lift of Culvert Backfill material for CV-216. The accepted foundation is shown in Figures 1 and 2 and in Photos 1 to 9.

Dates of Inspection: April 18, 19, 20 and 21, 2024 Date of Approval: April 18, 19, 20, and 21 2024

The existing culvert and roadway area at CV-216 were blasted on April 9, 2024. The foundation area was prepared by removing blasted material, snow, and ice from the foundation area with a CAT 349F excavator.

The prepared foundation surface included both massive ice and frozen in situ soil. Water was encountered in the outlet apron foundation area and was managed using the excavator bucket and surface grading. The prepared foundation will be used for placement of culvert backfill material. The foundation was visually inspected and is suitable for placement of the first 200 mm lift of culvert backfill material. Nuna surveyed the base of the approved foundation area prior to placing backfill material.

#### 2 - APPROXIMATE AREA ACCEPTED

The foundation preparation work at CV-216 was broken up into the following seven (7) subsections:

- Inlet Apron Area
- 2. Road Crossing Area Adjacent to the Inlet Apron Area
- 3. Road Crossing Area Centre Area
- Road Crossing Area Excavated Test Pit
- 5. Road Crossing Area Adjacent to the Outlet Apron Area
- 6. Outlet Apron Area Eastern Portion
- 7. Outlet Apron Area Western Portion

The foundation was approved in seven (7) different subsections due to on site conditions and the constructability of the culvert design. The subsections were approved in ascending numerical order. All seven (7) sections are included in this Foundation Acceptance Form. Please refer to Figure 1 for clarification.



#### **FOUNDATION ACCEPTANCE**

April 23, 2024

#### 3 - CONDITIONS

- Nuna is responsible for maintaining the condition of the accepted foundation area and cleaning and preparing the
  area as specified by Knight Piésold. This includes the responsibility of the safety, stability, maintenance, support,
  and protection of all temporary excavated surfaces until the completion of backfill.
- The Culvert Backfill material must be placed and spread in 200 mm thick lifts and compacted with 8 passes of a 1000lbs Mikasa MVH-408DZ Hand Guided Plate Tamper or placed and spread in 300 mm thick lifts and compacted with 6 passes of a Smooth Drum Vibratory Compactor with a minimum static weight of 10 tons.
- Degradation to the foundation soils from equipment may require repair and additional foundation preparation prior to subsequent material placement.
- Loose ice, snow and/or loose frozen fill materials must be removed from prepared foundations prior to placing any fill material. No frozen material shall be placed.

#### 4-CERTIFICATION

The area accepted was inspected by Knight Piésold Ltd., Nuna, and Baffinland Iron Mines Corporation.

We, the undersigned are authorized representatives of the companies listed, and do hereby accept the Foundation Preparation over the area described above.

Knight Piésold Ltd.:

Darren Kocken, Geological Engineering, Knight Piésold Ltd.

Nuna: H. BLOQIN SALS

Harvey Blouin, Construction Superintendent, Nuna

Baffinland Iron Mines Corporation:

Barrock Wile, Project Supervisor, Baffinland Iron Mines Corporation



**FOUNDATION ACCEPTANCE** 

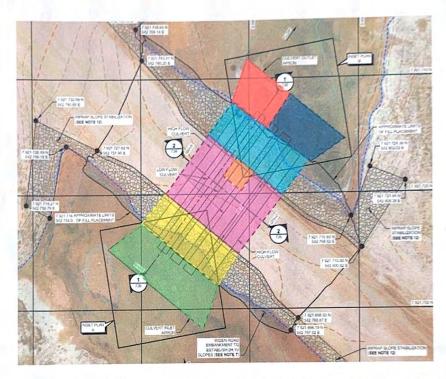


Figure 1: Approximate foundation acceptance area FND-01, plan view. Section 1 highlighted in green, Section 2 highlighted in yellow, Section 3 highlighted in purple, Section 4 highlighted in orange, Section 5 highlighted in light blue, Section 6 highlighted in red, Section 7 highlighted in navy.

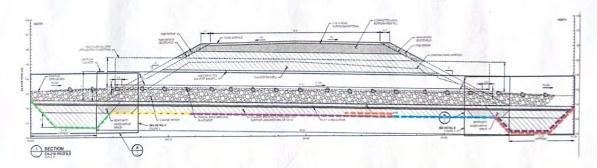


Figure 2: Approximate foundation acceptance area FND-01, sectional view. Section 1 highlighted in green, Section 2 highlighted in yellow, Section 3 highlighted in purple, Section 4 highlighted in orange, Section 5 highlighted in light blue, Section 6 highlighted in red, Section 7 highlighted in navy.



CV-216

FOUNDATION ACCEPTANCE



Photo 1 Excavating unsuitable materials within Section 1 at CV-216 inlet apron. Photo taken April 18, 2024, looking east.



Photo 2 Approximate Foundation Acceptance Area - Section 1, outlined in green. Photo taken April 18, 2024, looking southeast.



CV-216

FOUNDATION ACCEPTANCE



Photo 3 Excavating unsuitable materials within Section 2 at CV-216. Photo taken April 19, 2024, looking east.

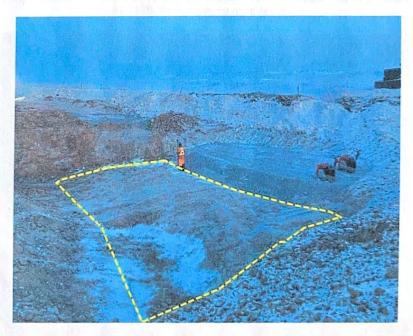


Photo 4 Approximate Foundation Acceptance Area - Section 2, outlined in yellow. Photo taken April 19, 2024, looking southeast.



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FOUNDATION ACCEPTANCE



Photo 5 Approximate Foundation Acceptance Area - Section 3, outlined in purple. Photo taken April 20, 2024, looking northwest.



Photo 6 Approximate Foundation Acceptance Area - Section 4, outlined in orange. Photo taken April 20, 2024, looking southwest.



FOUNDATION ACCEPTANCE



Photo 7 Approximate Foundation Acceptance Area - Section 5, outlined in light blue. Photo taken April 21, 2024, looking east.



Photo 8 Approximate Foundation Acceptance Area - Section 6, outlined in red. Photo taken April 21, 2024, looking north.



**FOUNDATION ACCEPTANCE** 



Photo 9 Approximate Foundation Acceptance Area - Section 7, outlined in navy. Photo taken April 21, 2024, looking south.

CV-102

#### **FOUNDATION ACCEPTANCE**

April 28, 2024

CLIENT:	Baffinland Iron Mines Corporation	PROJECT NO.:	181/93
TO:	Baruck Wile/Rudolf Dietrich	FILE NO:	.F11
CC:	Michael Burns, Dale Tulloch, Abid Najey, Jim Patterson, Shannon Mulhall, David Bruce, Environment Superintendents (Baffinland), Richard Cook, Toby Perkins, Andy Phillips, Mackenzie Aiken, Matthew Trask, Michael Bourdignon (KP), Michael Johnson (NSC)	REF. NO.:	92
ACCEPTANCE NO.:	CV-102-FND-01	PAGES:	5

#### 1 - DESCRIPTION OF AREA ACCEPTED

The Foundation Acceptance area is within the footprint for the first lift of Culvert Backfill material for CV-102. The accepted foundation is shown in Figures 1 and 2 and in Photos 1 to 4.

**Dates of Inspection**: April 24, 25, and 27, 2024 **Date of Approval:** April 24, 25, and 27, 2024

The existing roadway area at CV-102 was blasted on April 23, 2024. The foundation area was prepared by removing blasted material, snow, and ice from the foundation area with a CAT 349F excavator.

The prepared foundation surface included frozen in situ soil. The prepared foundation will be used for placement of culvert backfill material. The foundation was visually inspected and is suitable for placement of the first 200 mm lift of culvert backfill material. Nuna surveyed the base of the approved foundation area prior to placing backfill material.

#### 2 - APPROXIMATE AREA ACCEPTED

The foundation preparation work at CV-216 was broken up into the following four (4) subsections:

- 1. Road Crossing Area Eastern Portion
- 2. Inlet Apron Area
- 3. Road Crossing Area Western Portion
- 4. Outlet Apron Area

The foundation was approved in four (4) different subsections due to on site conditions and the constructability of the culvert design. The subsections were approved in ascending numerical order. All four (4) sections are included in this Foundation Acceptance Form. Please refer to Figure 1 for clarification.

#### 3 - CONDITIONS

Nuna is responsible for maintaining the condition of the accepted foundation area and cleaning and preparing the
area as specified by Knight Piésold. This includes the responsibility of the safety, stability, maintenance, support,
and protection of all temporary excavated surfaces until the completion of backfill.



CV-102

#### **FOUNDATION ACCEPTANCE**

April 28, 2024

- The Culvert Backfill material must be placed and spread in 200 mm thick lifts and compacted with 8 passes of a 1000lbs Mikasa MVH-408DZ Hand Guided Plate Tamper or placed and spread in 300 mm thick lifts and compacted with 6 passes of a Smooth Drum Vibratory Compactor with a minimum static weight of 10 tons.
- Degradation to the foundation soils from equipment may require repair and additional foundation preparation prior to subsequent material placement.
- Loose ice, snow and/or loose frozen fill materials must be removed from prepared foundations prior to placing any fill material. No frozen material shall be placed.

#### 4 - CERTIFICATION

The area accepted was inspected by Knight Piésold Ltd., Nuna, and Baffinland Iron Mines Corporation.

We, the undersigned are authorized representatives of the companies listed, and do hereby accept the Foundation Preparation over the area described above.

Knight Piésold Ltd.:	
	Darren Kocken, Geological Engineering, Knight Piésold Ltd.
Nuna:	
	Harvey Blouin, Construction Superintendent, Nuna
Baffinland Iron Mines	
Corporation:	
	Baruck Wile, Project Supervisor, Baffinland Iron Mines Corporation



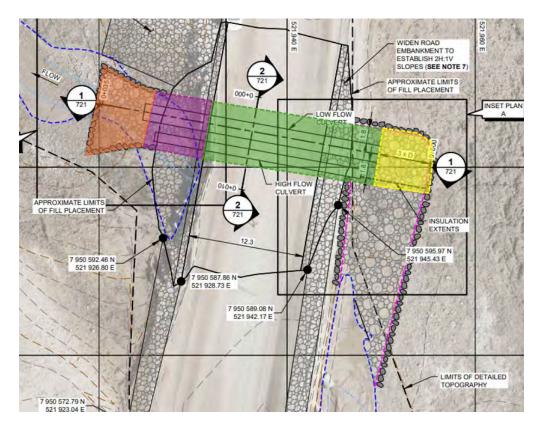


Figure 1: Approximate foundation acceptance area FND-01, plan view. Section 1 highlighted in green, Section 2 highlighted in yellow, Section 3 highlighted in purple, Section 4 highlighted in orange.

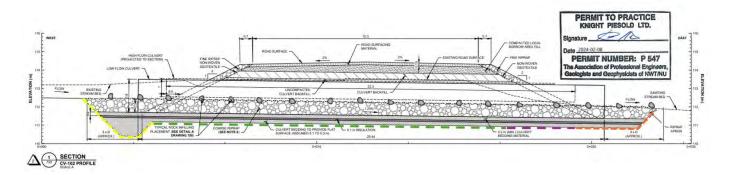


Figure 2: Approximate foundation acceptance area FND-01, sectional view. Section 1 highlighted in green, Section 2 highlighted in yellow, Section 3 highlighted in purple, Section 4 highlighted in orange.





Photo 1 Approximate Foundation Acceptance Area - Section 1, outlined in green. Photo taken April 24, 2024, looking south.



Photo 2 Approximate Foundation Acceptance Area - Section 2, outlined in yellow. Photo taken April 24, 2024, looking north.





Photo 3 Approximate Foundation Acceptance Area - Section 3, outlined in purple. Photo taken April 25, 2024, looking east.



Photo 4 Approximate Foundation Acceptance Area - Section 4, outlined in orange. Photo taken April 27, 2024, looking west.



#### FOUNDATION ACCEPTANCE

April 28, 2024

CLIENT:	Baffinland Iron Mines Corporation	PROJECT NO.:	181/93
TO:	Baruck Wile/Rudolf Dietrich	FILE NO:	.F11
cc:	Michael Burns, Dale Tulloch, Abid Najey, Jim Patterson, Shannon Mulhall, David Bruce, Environment Superintendents (Baffinland), Richard Cook, Toby Perkins, Andy Phillips, Mackenzie Aiken, Matthew Trask, Michael Bourdignon (KP), Michael Johnson (NSC)	REF. NO.:	92
ACCEPTANCE NO.:		PAGES:	5

#### 1 - DESCRIPTION OF AREA ACCEPTED

The Foundation Acceptance area is within the footprint for the first lift of Culvert Backfill material for CV-102. The accepted foundation is shown in Figures 1 and 2 and in Photos 1 to 4.

Dates of Inspection: April 24, 25, and 27, 2024 Date of Approval: April 24, 25, and 27, 2024

The existing roadway area at CV-102 was blasted on April 23, 2024. The foundation area was prepared by removing blasted material, snow, and ice from the foundation area with a CAT 349F excavator.

The prepared foundation surface included frozen in situ soil. The prepared foundation will be used for placement of culvert backfill material. The foundation was visually inspected and is suitable for placement of the first 200 mm lift of culvert backfill material. Nuna surveyed the base of the approved foundation area prior to placing backfill material.

#### 2 - APPROXIMATE AREA ACCEPTED

The foundation preparation work at CV-216 was broken up into the following four (4) subsections:

- 1. Road Crossing Area Eastern Portion
- 2. Inlet Apron Area
- 3. Road Crossing Area Western Portion
- 4. Outlet Apron Area

The foundation was approved in four (4) different subsections due to on site conditions and the constructability of the culvert design. The subsections were approved in ascending numerical order. All four (4) sections are included in this Foundation Acceptance Form. Please refer to Figure 1 for clarification.

#### 3 - CONDITIONS

Nuna is responsible for maintaining the condition of the accepted foundation area and cleaning and preparing the
area as specified by Knight Piésold. This includes the responsibility of the safety, stability, maintenance, support,
and protection of all temporary excavated surfaces until the completion of backfill.



#### **FOUNDATION ACCEPTANCE**

April 28, 2024

- The Culvert Backfill material must be placed and spread in 200 mm thick lifts and compacted with 8 passes of a 1000lbs Mikasa MVH-408DZ Hand Guided Plate Tamper or placed and spread in 300 mm thick lifts and compacted with 6 passes of a Smooth Drum Vibratory Compactor with a minimum static weight of 10 tons.
- Degradation to the foundation soils from equipment may require repair and additional foundation preparation prior to subsequent material placement.
- Loose ice, snow and/or loose frozen fill materials must be removed from prepared foundations prior to placing any fill material. No frozen material shall be placed.

#### 4 - CERTIFICATION

The area accepted was inspected by Knight Piésold Ltd., Nuna, and Baffinland Iron Mines Corporation.

We, the undersigned are authorized representatives of the companies listed, and do hereby accept the Foundation Preparation over the area described above.

Knight Piésold Ltd.:

Darren Kocken, Geological Engineering, Knight Piésold Ltd.

Nuna:
Harvey Blouin, Construction Superintendent, Nuna

Baffinland Iron Mines Corporation:

Baruck Wile, Project Supervisor, Baffinland Iron Mines Corporation



**FOUNDATION ACCEPTANCE** 

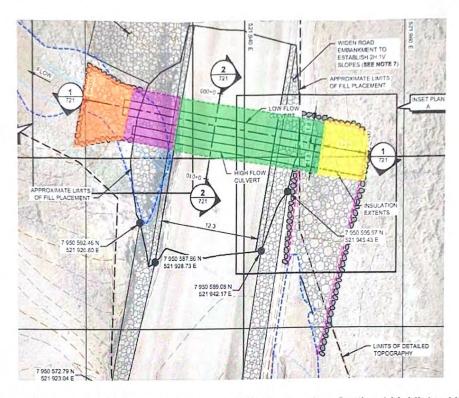


Figure 1: Approximate foundation acceptance area FND-01, plan view. Section 1 highlighted in green, Section 2 highlighted in yellow, Section 3 highlighted in purple, Section 4 highlighted in orange.

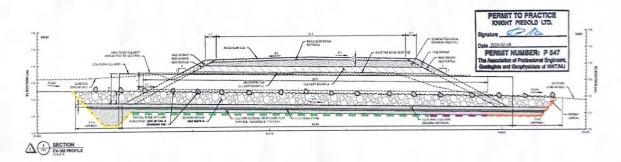


Figure 2: Approximate foundation acceptance area FND-01, sectional view. Section 1 highlighted in green, Section 2 highlighted in yellow, Section 3 highlighted in purple, Section 4 highlighted in orange.



FOUNDATION ACCEPTANCE



Photo 1 Approximate Foundation Acceptance Area - Section 1, outlined in green. Photo taken April 24, 2024, looking south.



Photo 2 Approximate Foundation Acceptance Area - Section 2, outlined in yellow. Photo taken April 24, 2024, looking north.



FOUNDATION ACCEPTANCE



Photo 3 Approximate Foundation Acceptance Area - Section 3, outlined in purple. Photo taken April 25, 2024, looking east.



Photo 4 Approximate Foundation Acceptance Area - Section 4, outlined in orange. Photo taken April 27, 2024, looking west.



CV-106

#### **FOUNDATION ACCEPTANCE**

May 14, 2024

CLIENT:	Baffinland Iron Mines Corporation	PROJECT NO.:	181/93
TO:	Baruck Wile/Rudolf Dietrich	FILE NO:	.F11
CC:	Michael Burns, Dale Tulloch, Abid Najey, Jim Patterson, Shannon Mulhall, David Bruce, Environment Superintendents (Baffinland), Richard Cook, Toby Perkins, Andy Phillips, Mackenzie Aiken, Matthew Trask, Michael Bourdignon (KP), Michael Johnson (NSC)	REF. NO.:	113
ACCEPTANCE NO.:	CV-106-FND-01	PAGES:	5

#### 1 - DESCRIPTION OF AREA ACCEPTED

The Foundation Acceptance area is within the footprint for the first lift of Culvert Backfill material for CV-106. The accepted foundation is shown in Figures 1 and 2 and in Photos 1 to 4.

**Dates of Inspection**: May 5 and 6, 2024 **Dates of Approval**: May 5 and 6, 2024

The existing roadway area at CV-106 was blasted on April 28, 2024. The foundation area was prepared by removing blasted material, snow, and ice from the foundation area with a CAT 349F excavator.

The prepared foundation surface included frozen, ice-rich in-situ soil. The prepared foundation will be used for placement of culvert backfill material. The foundation was visually inspected and is suitable for placement of the first 200 mm lift of culvert backfill material. Nuna surveyed the base of the approved foundation area prior to placing backfill material.

#### 2 - APPROXIMATE AREA ACCEPTED

The foundation preparation work at CV-106 was broken up into the following three (3) subsections:

- Road Crossing Area
- 2. Inlet Apron Area Adjacent to Road Crossing Area
- Outlet Apron Area

The foundation was approved in three (3) different subsections due to on site conditions and the constructability of the culvert design. The subsections were approved in ascending numerical order. All three (3) sections are included in this Foundation Acceptance Form. Please refer to Figure 1 for clarification.

#### 3 - CONDITIONS

Nuna is responsible for maintaining the condition of the accepted foundation area and cleaning and preparing the
area as specified by Knight Piésold. This includes the responsibility of the safety, stability, maintenance, support,
and protection of all temporary excavated surfaces until the completion of backfill.



**CV-106** 

#### **FOUNDATION ACCEPTANCE**

May 14, 2024

- The Culvert Backfill material must be placed and spread in 200 mm thick lifts and compacted with 8 passes of a 1000lbs Mikasa MVH-408DZ Hand Guided Plate Tamper or placed and spread in 300 mm thick lifts and compacted with 6 passes of a Smooth Drum Vibratory Compactor with a minimum static weight of 10 tons.
- Degradation to the foundation soils from equipment may require repair and additional foundation preparation prior to subsequent material placement.
- Loose ice, snow and/or loose frozen fill materials must be removed from prepared foundations prior to placing any fill material. No frozen material shall be placed.

#### 4 - CERTIFICATION

The area accepted was inspected by Knight Piésold Ltd., Nuna, and Baffinland Iron Mines Corporation.

We, the undersigned are authorized representatives of the companies listed, and do hereby accept the Foundation Preparation over the area described above.

K . I . D I I	
Knight Piésold Ltd.:	Matthew Trask, Geological Engineering, Knight Piésold Ltd.
Nuna:	
	Grant Lapointe, Construction Superintendent, Nuna
Baffinland Iron Mines Corporation:	
	Rudolf Dietrich Project Supervisor Baffinland Iron Mines Corporation



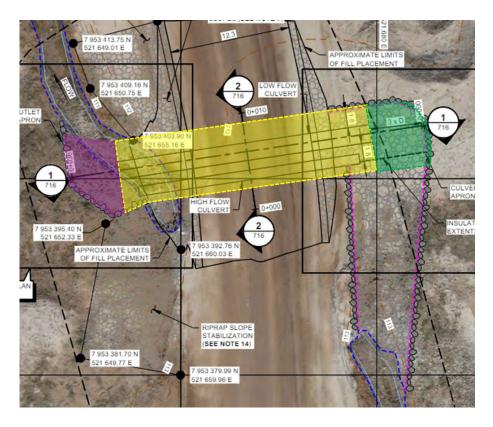


Figure 1: Approximate foundation acceptance area FND-01, plan view. Section 1 highlighted in yellow, Section 2 highlighted in green, Section 3 highlighted in purple.

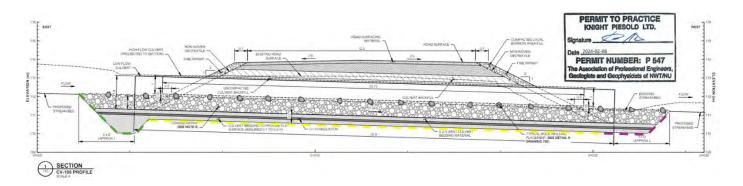


Figure 2: Approximate foundation acceptance area FND-01, sectional view. Section 1 highlighted in yellow, Section 2 highlighted in green, Section 3 highlighted in purple.



May 14, 2024



Photo 1 Approximate Foundation Acceptance Area - Section 1, outlined in yellow. Photo taken May 05, 2024, looking east.



Photo 2 Approximate Foundation Acceptance Area - Section 2, outlined in green. Photo taken May 05, 2024, looking northeast.



May 14, 2024



Photo 3 Approximate Foundation Acceptance Area - Section 3, outlined in purple. Photo taken May 6, 2024, looking North.



Photo 4 Ice-rich soils encountered in the foundation area. Photo taken May 5, 2024, looking east.



### **FOUNDATION ACCEPTANCE**

May 14, 2024

CLIENT:	Baffinland Iron Mines Corporation	PROJECT NO.:	181/93
TO:	Baruck Wile/Rudolf Dietrich	FILE NO:	.F11
CC:	Michael Burns, Dale Tulloch, Abid Najey, Jim Patterson, Shannon Mulhall, David Bruce, Environment Superintendents (Baffinland), Richard Cook, Toby Perkins, Andy Phillips, Mackenzie Aiken, Matthew Trask, Michael Bourdignon (KP), Michael Johnson (NSC)	REF. NO.:	113
ACCEPTANCE NO.:	CV-106-FND-01	PAGES:	5

#### 1 - DESCRIPTION OF AREA ACCEPTED

The Foundation Acceptance area is within the footprint for the first lift of Culvert Backfill material for CV-106. The accepted foundation is shown in Figures 1 and 2 and in Photos 1 to 4.

Dates of Inspection: May 5 and 6, 2024 Dates of Approval: May 5 and 6, 2024

The existing roadway area at CV-106 was blasted on April 28, 2024. The foundation area was prepared by removing blasted material, snow, and ice from the foundation area with a CAT 349F excavator.

The prepared foundation surface included frozen, ice-rich in-situ soil. The prepared foundation will be used for placement of culvert backfill material. The foundation was visually inspected and is suitable for placement of the first 200 mm lift of culvert backfill material. Nuna surveyed the base of the approved foundation area prior to placing backfill material.

#### 2 - APPROXIMATE AREA ACCEPTED

The foundation preparation work at CV-106 was broken up into the following three (3) subsections:

- Road Crossing Area
- 2. Inlet Apron Area Adjacent to Road Crossing Area
- 3. Outlet Apron Area

The foundation was approved in three (3) different subsections due to on site conditions and the constructability of the culvert design. The subsections were approved in ascending numerical order. All three (3) sections are included in this Foundation Acceptance Form. Please refer to Figure 1 for clarification

#### 3 - CONDITIONS

Nuna is responsible for maintaining the condition of the accepted foundation area and cleaning and preparing the
area as specified by Knight Piésold. This includes the responsibility of the safety, stability, maintenance, support,
and protection of all temporary excavated surfaces until the completion of backfill.



#### **FOUNDATION ACCEPTANCE**

May 14, 2024

- The Culvert Backfill material must be placed and spread in 200 mm thick lifts and compacted with 8 passes of a 1000lbs Mikasa MVH-408DZ Hand Guided Plate Tamper or placed and spread in 300 mm thick lifts and compacted with 6 passes of a Smooth Drum Vibratory Compactor with a minimum static weight of 10 tons.
- Degradation to the foundation soils from equipment may require repair and additional foundation preparation prior to subsequent material placement.
- Loose ice, snow and/or loose frozen fill materials must be removed from prepared foundations prior to placing any fill material. No frozen material shall be placed.

#### 4 - CERTIFICATION

The area accepted was inspected by Knight Piésold Ltd., Nuna, and Baffinland Iron Mines Corporation.

We, the undersigned are authorized representatives of the companies listed, and do hereby accept the Foundation Preparation over the area described above.

Knight Piésold Ltd.:	Matthew Trask, Geological Engineering, Knight Piésold Ltd.		
Nuna:	Grant Lapointe, Construction Superintendent, Nuna		
Baffinland Iron Mines Corporation:	A Solution Superintendent, Nuria		

Rudolf Dietrich, Project Supervisor, Baffinland Iron Mines Corporation

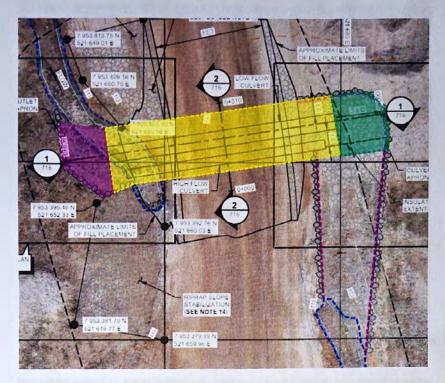


Figure 1: Approximate foundation acceptance area FND-01, plan view. Section 1 highlighted in yellow, Section 2 highlighted in green, Section 3 highlighted in purple.

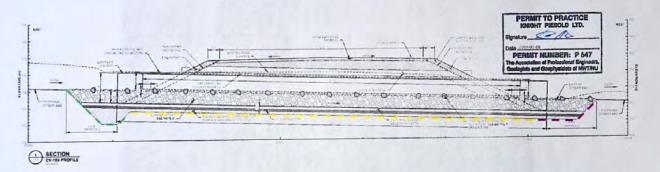


Figure 2: Approximate foundation acceptance area FND-01, sectional view. Section 1 highlighted in yellow, Section 2 highlighted in green, Section 3 highlighted in purple

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Photo 1 Approximate Foundation Acceptance Area - Section 1, outlined in yellow. Photo taken May 05, 2024, looking east.



Photo 2 Approximate Foundation Acceptance Area - Section 2, outlined in green. Photo taken May 05, 2024, looking northeast.



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Photo 3 Approximate Foundation Acceptance Area - Section 3, outlined in purple. Photo taken May 6, 2024, looking North.



Photo 4 Ice-rich soils encountered in the foundation area. Photo taken May 5, 2024, looking east.

