Progressive Rehabilitation Report

Concrete Cap

Fatima (Texmont, New Texmont) Mine Site Vent Raise Cap

Timmins, Ontario



Prepared For:

Ministry of Northern Development Mines and Forestry

Fletcher Nickel Inc.

R.E.#: 12-191

Prepared by:

Rivard Engineering 2090 Riverside Drive P.O. Box 223 Timmins, ON. P4N 7C9

April 8, 2013 Rev. 1

Progressive Rehabilitation Report

For

Fatima (Texmont, New Texmont) Mine Site (AMIS# 00039)

Vent Raise South of Timmins, ON

Submitted under Section 139.1 (1) of the Mining Act and Part 1 of the Mine Rehabilitation Code of Ontario

Table of Contents

1	T)
1 -	Proponent
1 -	TIODOMETIC

- 2- Site Name and Location
- 3- Authorized Contact Person
- 4- Rehabilitation Contractors / Engineer
- 5- Rehabilitation

Background

Details

Conclusions

- 6- Location Map / Site Location
- 7- Monitoring Program

Appendices:

- A- As Built Drawing TM01 Rev. 1
- B- Talbot Location Survey
- C- Concrete Test Results
- D- Photographs

1.0 Proponent:

Fletcher Nickel Inc. 141 Adelaide Street West, Suite 420 Toronto, ON M5H 3L5

2.0 Site Name and Location:

The Fatima (Texmont, New Texmont) Mine site, situated in Bartlett and Geikie Townships is located approximately 35 kilometers south of the city of Timmins, Ontario via Pine Street South to the upper end of the Lower Scott Lake. Upon arrival to the access route and travelling eastward for approximately 5 kilometers leads to the Fatima (Texmont, New Texmont) Mine Site vent raise as per the coordinates below.

UTM NAD 83 Co-ordinates: E 484854 (NAD83-U17) N 5334599 (NAD83-U17)

3.0 Authorized Contact Person:

Joerg Kleinboeck
Vice President Exploration
Fletcher Nickel Inc.
141 Adelaide Street West, Suite 420
Toronto, ON
M5H 3L5
Tel. 1-705-358-1139
joerg@ontera.net

4.0 Rehabilitation Contractors / Engineers:

Consultants:

Rivard Engineering (Structural) 1687978 Ontario Limited P.O. Box 223 2090 Riverside Drive Timmins, Ontario P4N 7C9

Tel: 1-705-268-5501 Fax: 1-705-268-5502

Contractor:

Gorf Contracting Limited 6855 Hwy. 101 East Porcupine, ON P0N 1C0

Tel: 1-705-235-3278 Fax: 1-705-235-2625

Email: info@gorfcontracting.com

5.0 Rehabilitation:

Background:

In 1959 Fatima Mining Company Limited began sinking a shaft down to the 240m level. Mining and exploration then continued through to 1972 when active mining operations ceased.

One specific concern to date, remedied as of September 13, 2012, has been the vent raise opening located at the north part of the Fatima (Texmont, New Texmont) Mine Site. At the time of the inspection site visit, the Fatima (Texmont, New Texmont) Mine Site was not secured and it was noted that a geocache (public GPS treasure hunt) site was located at the vent raise opening location. The vent raise was covered with a fractured concrete slab which could be moved. As such, the opening to surface had not been protected from access and presented a risk to public safety.

5.1 Details:

A new reinforced concrete cap, constructed as prescribed by the Mining Act as outlined in Schedule 1, Part1, Section 3 of the Mine Rehabilitation Code of Ontario, was constructed above the existing concrete vent raise collar and tied into the perimeter of the collar. A copy of the as built drawing of the cap, complete with a 76 mm (3") diameter monitoring pipe is enclosed in Appendix B. Construction of the cap was completed on September 13, 2012.

Concrete was tested by EXP, with 28 day compressive strengths ranging from 30.5 MPa to 37.5 MPa, for a resultant strength greater than 30 MPa. Test report is included in Appendix "C".

Fletcher Nickel Inc.

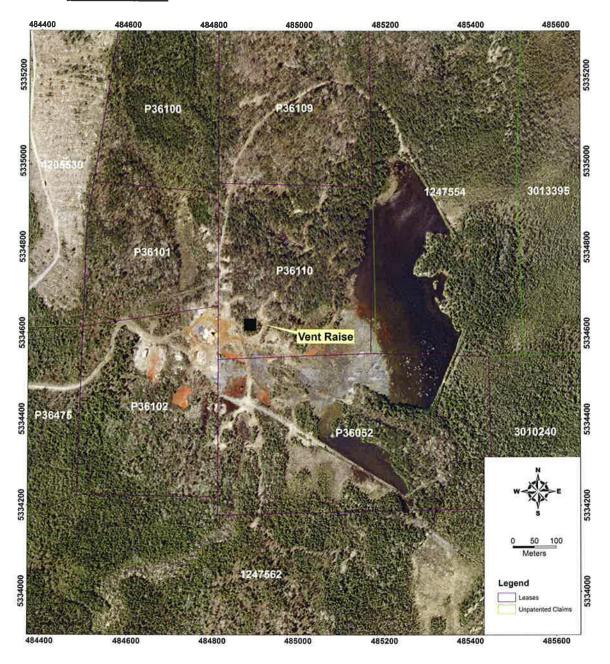
Our reference 12-191

Conclusions:

Rivard Engineering as the structural designer reviewed and inspected the cap throughout the construction process.

- 1- The new cap was designed and constructed by/under the supervision of a professional engineer registered in the Province of Ontario.
- 2- The reinforced concrete cap was designed and constructed in accordance with The Mining Act, Ontario Regulation 240/00, as outlined in Schedule 1 of the Mine Rehabilitation Code of Ontario.
- 3- The 34 MPa concrete strength is greater than the required 30 MPa, therefore is acceptable.

6.0 Location Map:



7.0 Monitoring Program:

Yearly inspections should be completed at this location by a competent person for distress to the new concrete cap (signs of movement or damage) and to ensure that the requirement to prevent inadvertent access has been achieved. As well, inspections should confirm no tampering or blockage in the pipe.

We trust that the above will clearly convey the relevant data with respect to the Fatima (Texmont, New Texmont) Mine Vent Raise cap rehabilitation located south of Timmins, ON.

R. J. MANN 100104155

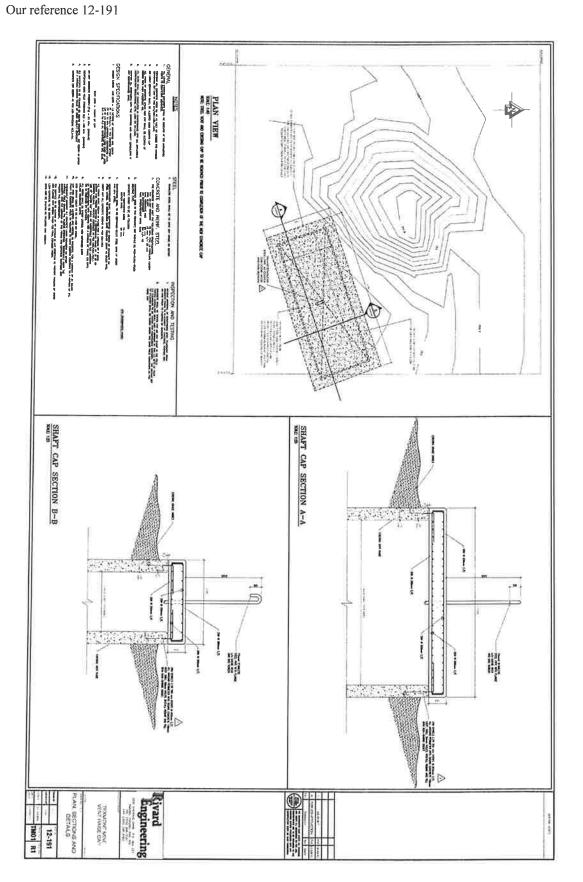
Sincerely,

Ron Mann, P.Eng., Structural Engineer Rivard Engineering

Appendix

A

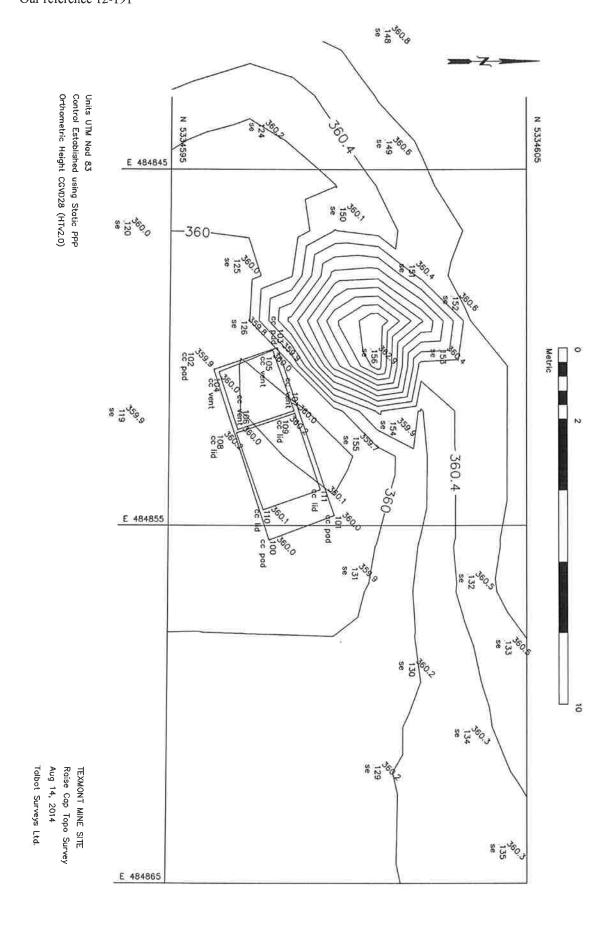
Rivard Engineering Drawings



Appendix

B

Talbot Location Survey



Appendix

C

Concrete test results



690 River Park Road, Sulta 401 Timmine, Ontario P4P 184 Telephone: (705) 284.4351 Facsimile: (705) 284.5125

COMPRESSIVE STRENGTH CYLINDER TEST REPORT

HO.	NO.	DAYE	DATE RECEIVED IN LABORATORY	DATE	T.O.F.	DENSITY	SPECENED SE DAY STRENGTH	7 DAY STREETH MPs	14 DAY STRENGTH MPs	STRENGTH MP
484A	L	Sept. 13, 2012	Sept. 15, 2012	Sept. 20, 2012	1	2320	32	25.5		
4848	L	Sept. 13, 2012	Sapt. 15, 2012	Sept. 27, 2012	1	2302	32		32.9	
484C	L	Sept. 13, 2012	Sept. 15, 2012	Oct. 11, 2012	1	2301	32			37.5
484D	L,	Sept. 13, 2012	Sept. 18, 2012	Oct. 11, 2012	1	2301	32			37.5
484E	F	Sept. 13, 2012	Sept. 15, 2012	Oct. 11, 2012	1	2276	32			30.5
484F	F	Sept. 13, 2012	Sept. 15, 2012	Oct. 11, 2012	1	2304	32			32.2

CONTRACTOR:

Rivard Engineering

PROJECT:

Texmont Mine

LOCATION ON STRUCTURE:

Vent Raise Shaft Cover

Plastic 100 x 200 mm

CONCRETE SUPPLIER:

Custom

OF:

exp. Services Inc.

CYLINDERS CAST BY:

Dan Wafer

TIME CYLINDER CAST: ..

12:20 pm

TIME MIXER CHARGED: TYPE OF MOULD USED: 10:31 am

MEASURED SLUMP:

60 mm

TEMP. OF CONCRETE:

19 ℃

AIR TEMPERATURE:

12 °C

SPECIFIED AIR %:

13 0

MEASURED AIR %:

6.2

WATER ADDED ON THE JOB:

INITIAL 24 HOUR CURING TEMPERATURES:

BY WHAT AUTHORITY:

TRUCK NO:

179

LOAD NO:

MINIMUM:

73770

NOM. SIZE OF AGG:

19mm

DRUM COUNT REVS.:

TYPE OF ADMIXTURE:

AIR ENT. AGENT:

3.0°C

Comments: Cylinders 484E and F are field cure cylinders and will be retrieved on October 11, 2012 to be broken.

MAXIMUM:

DIST:

JOB NO. SUD-00012959

7 DAY RESULTS

14 DAY RESULTS

28 DAY RESULTS

CCIL

20.0°C

Appendix

D

Photographs



1. View of original shaft looking north.



2. View of original shaft looking east.



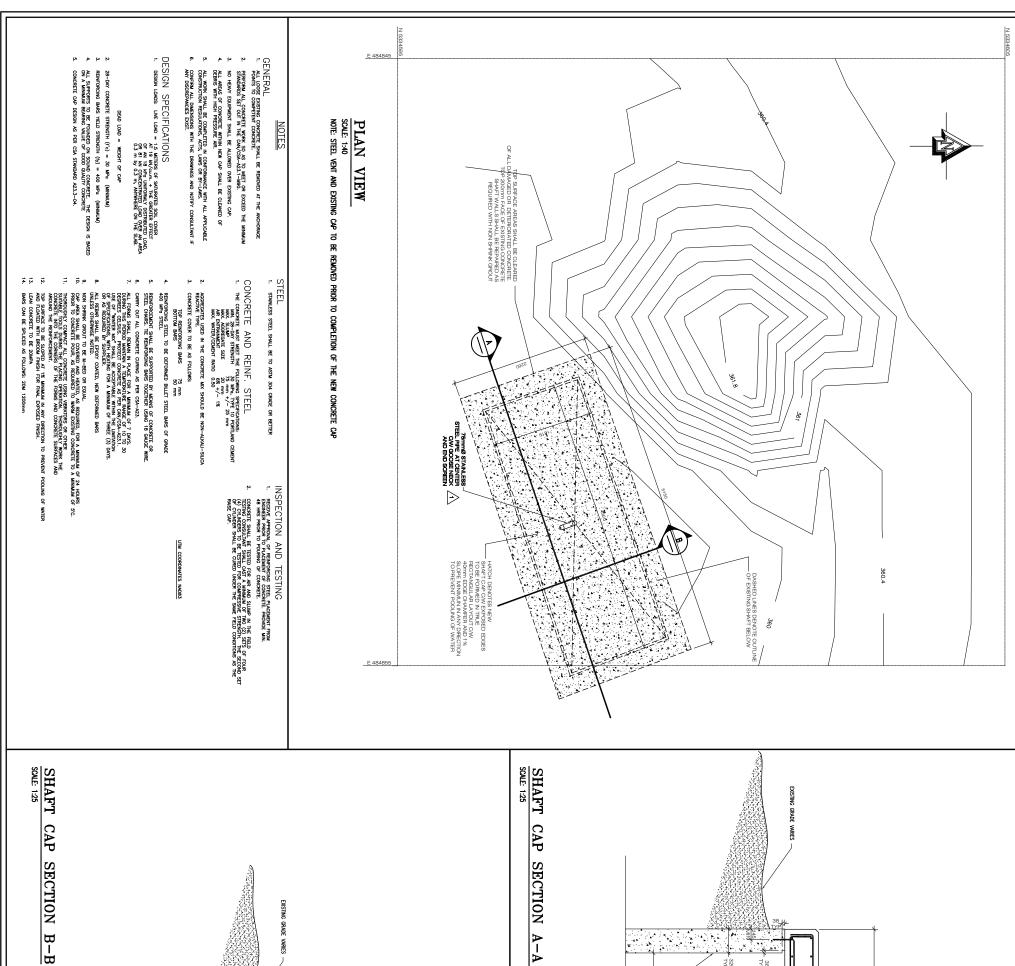
3. View of formwork and rebar prior to pour.

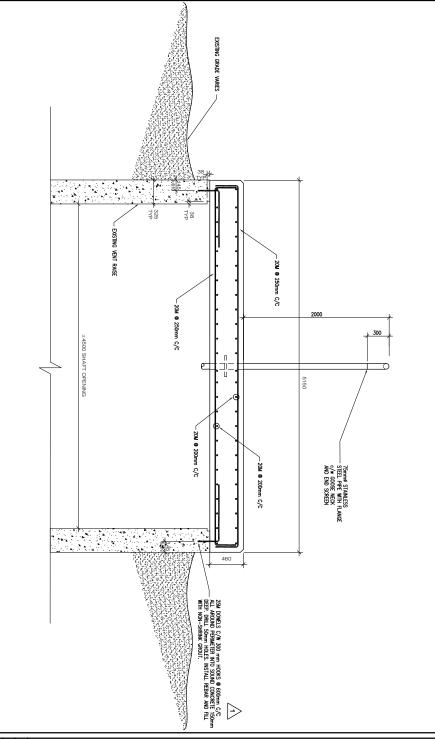


4. Cap dowel installation being completed.

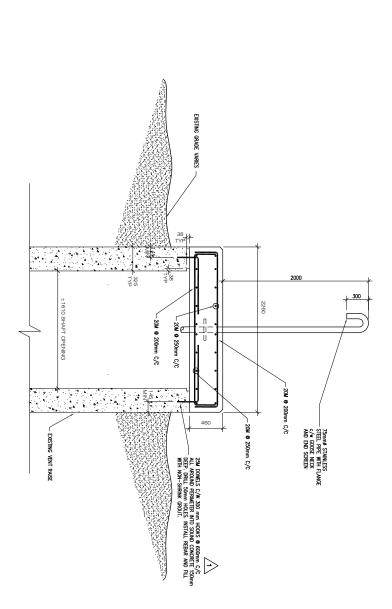


5. Concrete pour and surface finishing is completed.





GENERAL NOTES



Rivard Engineering

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TEXMONT MINE VENT RAISE CAP

CHECKED BY

12-191

TM01 R1

PLAN, SECTIONS AND DETAILS