Howard’s Pass Access Road (HPAR) Upgrade Project
Application Package
June 2015

NOTE TO READER

This application package is divided into 3 Volumes:

- Volume 1 contains the formal application forms for the Mackenzie Valley Land and Water Board and Parks Canada and a number of attachments:
  - Attachment 1: Camp Layout Schematic Diagram
  - Attachment 2: Road Design Criteria
  - Attachment 3: Preliminary Road Design
  - Attachment 4: Land Use Permit Security Worksheet

- Volume 2 contains the 2015 Project Description Report

- Volume 3 contains Appendices to the Project Description Report:
  - Appendix I. Applicable Standard Operating Procedures
  - Appendix II. Waste Management Plan for the Howard’s Pass Access Road
  - Appendix III. Spill Contingency Plan for the Northwest Territories
  - Appendix IV. Erosion and Sediment Control Plan
  - Appendix V. Avalanche Mitigation Strategy
  - Appendix VI. Geochemical Test Results for HPAR Borrow Site Samples
  - Appendix VII. Sample Quarry Operations Plan (2014)
  - Appendix VIII. Wildlife Mitigation and Monitoring Plan
  - Appendix IX. Community Engagement Plan
  - Appendix X. Community Engagement Report Appendices

Selwyn Chihong Mining Ltd. has produced an integrated application package for the upgrading of the Howard’s Pass Access Road. You will note that there are references throughout the application package to the Attachments in Volume 1, the Project Description Report in Volume 2 and a variety of Management Plans in Volume 3. These are all linked throughout the application package with the Project Description Report providing the overall details that support this submission.

For additional information or for clarification, please contact Doug Reeve, Manager, Permitting and Regulatory Affairs at dreeve@chihongmining.com.
ATTACHMENT 3. Preliminary Road Design Sheets 22 to 25
CIVIL PLAN/PROFILE
STA 78+030.000 TO STA 78+456.637
SCALE: H=1:5,000, V=1:1,000

PRELIMINARY ROAD DESIGN
HOWARD PASS ACCESS ROAD
20112946-01

PVIS: 78+456.637
PVIE: 1550.734
AD: -5.33%
K: 30.00

PVIS: 78+296.23
PVIE: 1559.286
AD: 2.54%
K: 27.59

LEFT TIE SLOPE
C 1.5:1
F 1.25:1

RIGHT TIE SLOPE
C 1.5:1
F 1.25:1

REVISION
DRAWN
DESIGN
DATE
DESCRIPTION

SCALE(S) SHOWN ARE INTENDED FOR ANSI D (22X34) SIZE DRAWINGS, TABLOID (11X17) SIZE DRAWINGS ARE 1/2 OF SCALE(S) SHOWN UNLESS NOTED OTHERWISE

THIS DRAWING IS FOR THE USE OF THE CLIENT AND PROJECT INDICATED - NO REPRESENTATIONS OF ANY KIND ARE MADE TO OTHER PARTIES

DATE: 2014-12-17, Jonathan Ford

SELWYN CHIHONG MINING LTD.
HOWARD PASS ACCESS ROAD
PRELIMINARY ROAD DESIGN
20112946-01

CIVIL
PLAN/PROFILE
STA 78+030.000 TO STA 78+456.637
SCALE: H=1:5,000, V=1:1,000

PRELIMINARY/ FOR DISCUSSION
NOT FOR CONSTRUCTION
DRAFT

REVISION
DRAWN
DESIGN
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