



**SELWYN CHIHONG  
MINING LTD.**

# **Howard's Pass Access Road Upgrade Project 2015 Land Use and Water Licence Application Package**

**June 2015**

**Volume 1: Applications**

**Part 4 of 4**



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**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 Howards 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](mailto:dreeve@chihongmining.com).

**ATTACHMENT 3. Preliminary Road Design Sheets 22 to 25**

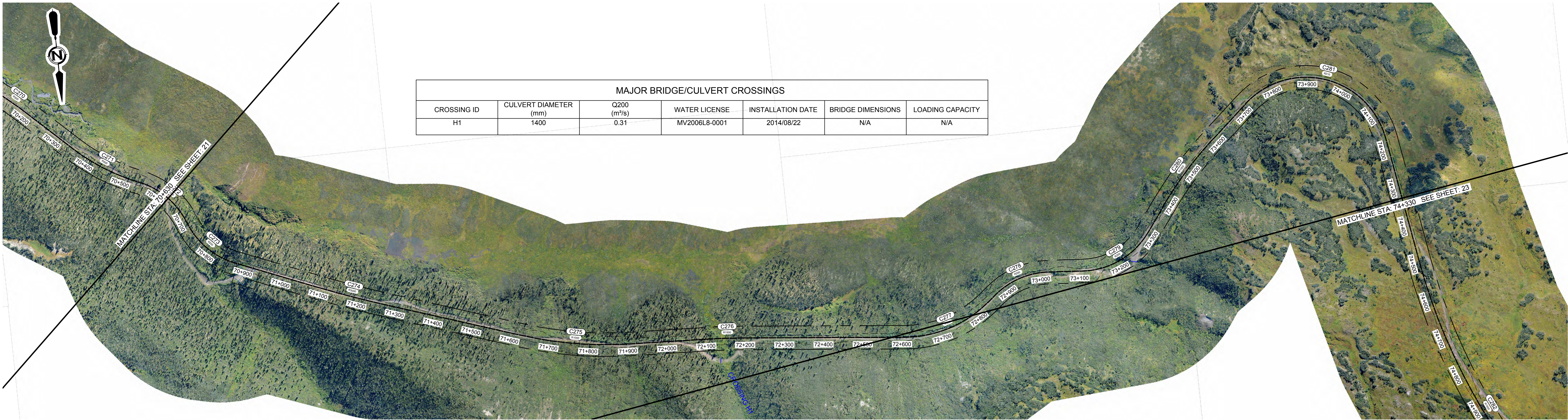
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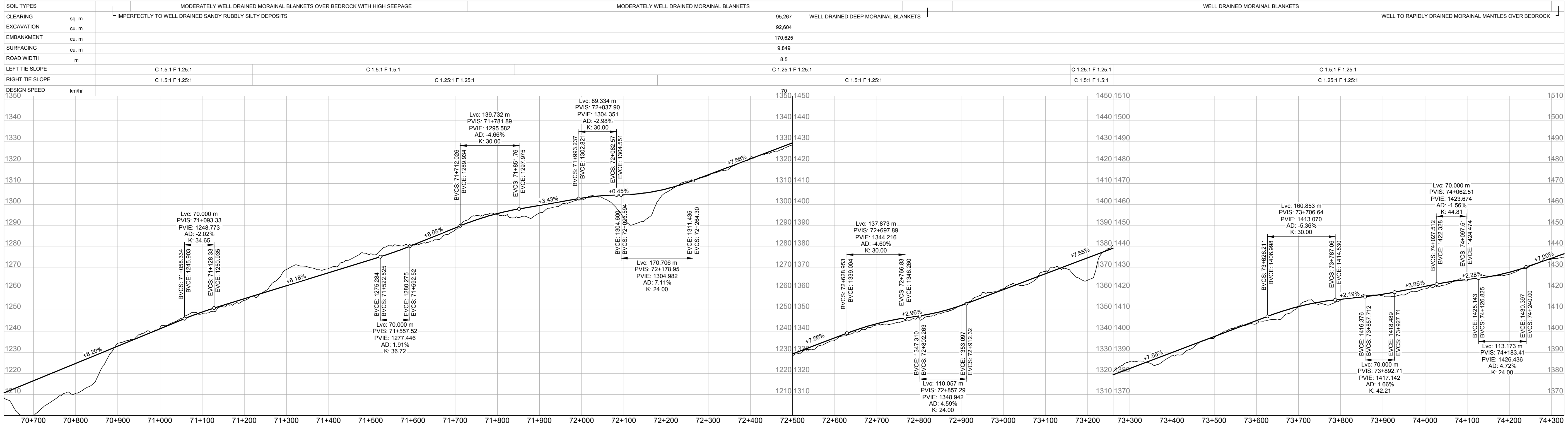
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| MAJOR BRIDGE/CULVERT CROSSINGS |                       |             |               |                   |                   |
|--------------------------------|-----------------------|-------------|---------------|-------------------|-------------------|
| CROSSING ID                    | CULVERT DIAMETER (mm) | Q200 (m³/s) | WATER LICENSE | INSTALLATION DATE | BRIDGE DIMENSIONS |
| H1                             | 1400                  | 0.31        | MV2006L8-0001 | 2014/08/22        | N/A               |
| LOADING CAPACITY               |                       |             |               |                   |                   |
| N/A                            |                       |             |               |                   |                   |



PRELIMINARY/  
FOR DISCUSSION  
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HOWARD PASS ACCESS ROAD  
PRELIMINARY ROAD DESIGN  
20112946-01

SCALE: H=1:5,000, V=1:1,000



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PLAN/PROFILE  
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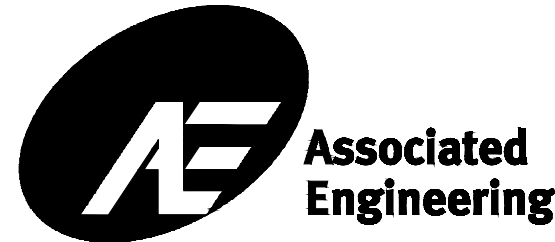
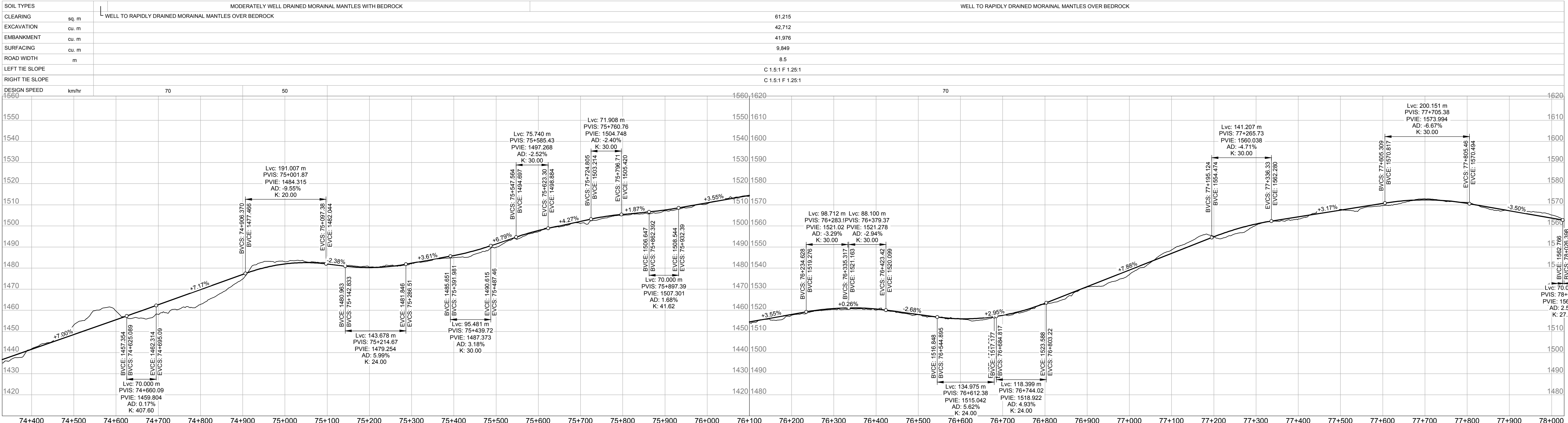
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HOWARD PASS ACCESS ROAD  
PRELIMINARY ROAD DESIGN  
20112946-01

SCALE: H=1:5,000, V=1:1,000



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PLAN/PROFILE  
STA 74+330 TO STA 78+030

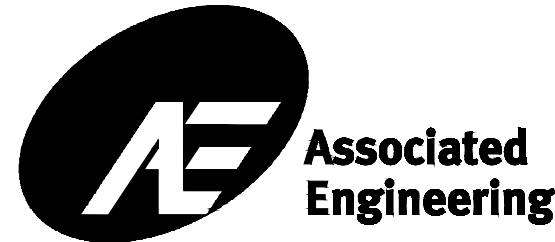
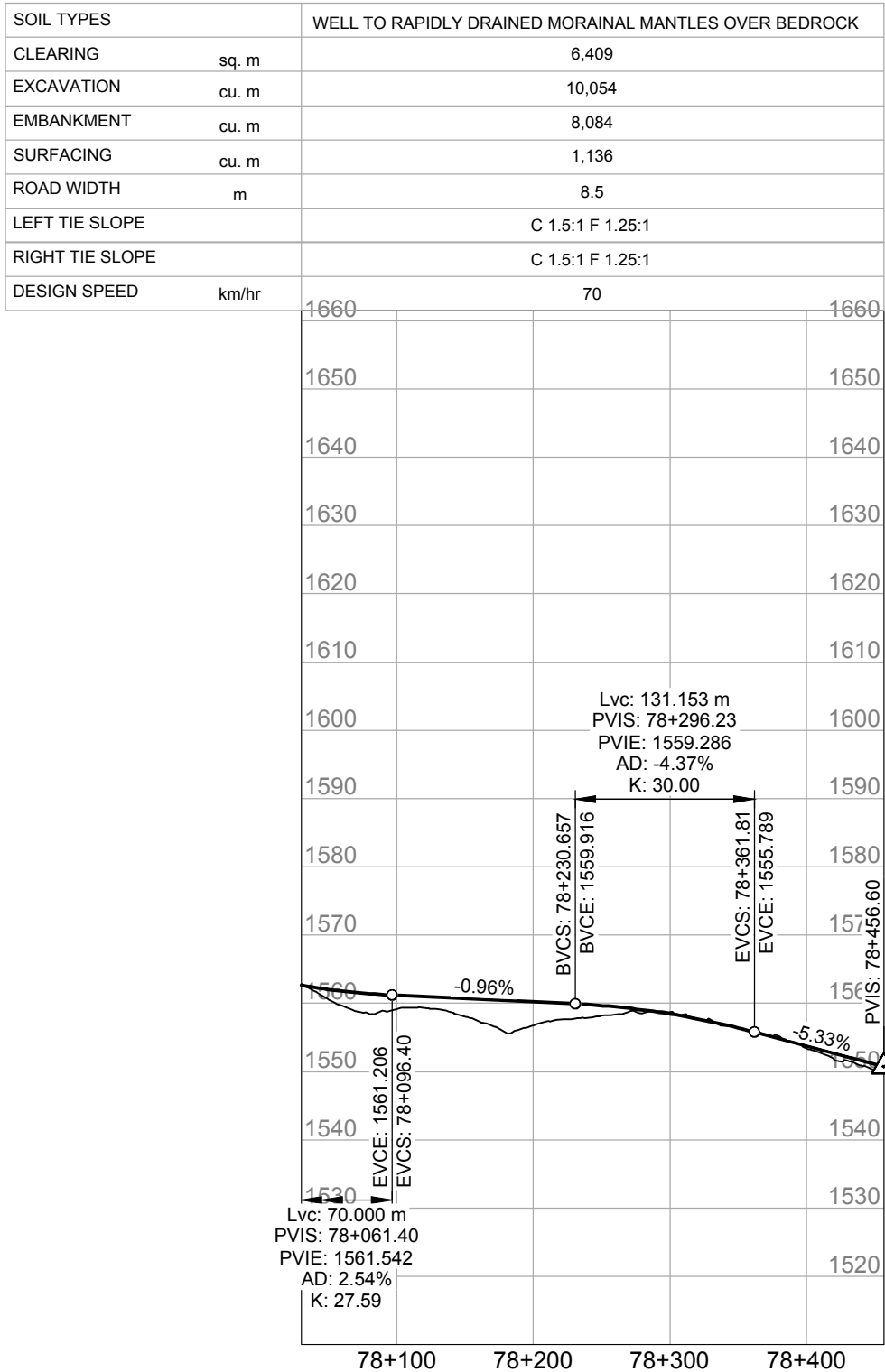
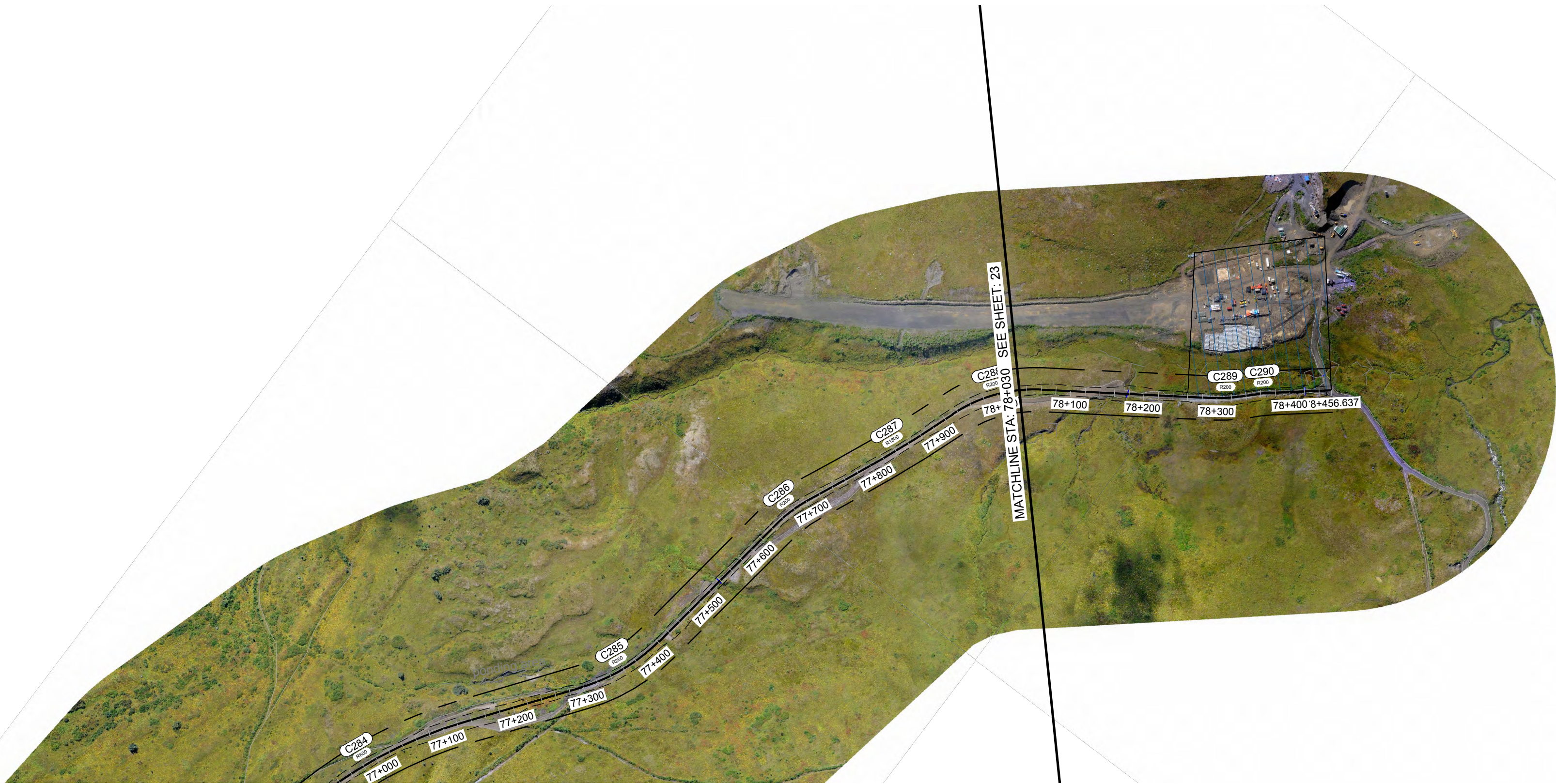
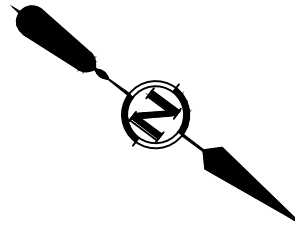
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HOWARD PASS ACCESS ROAD  
PRELIMINARY ROAD DESIGN  
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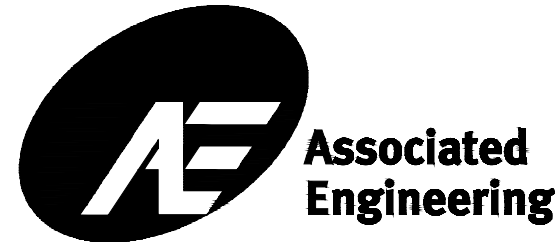
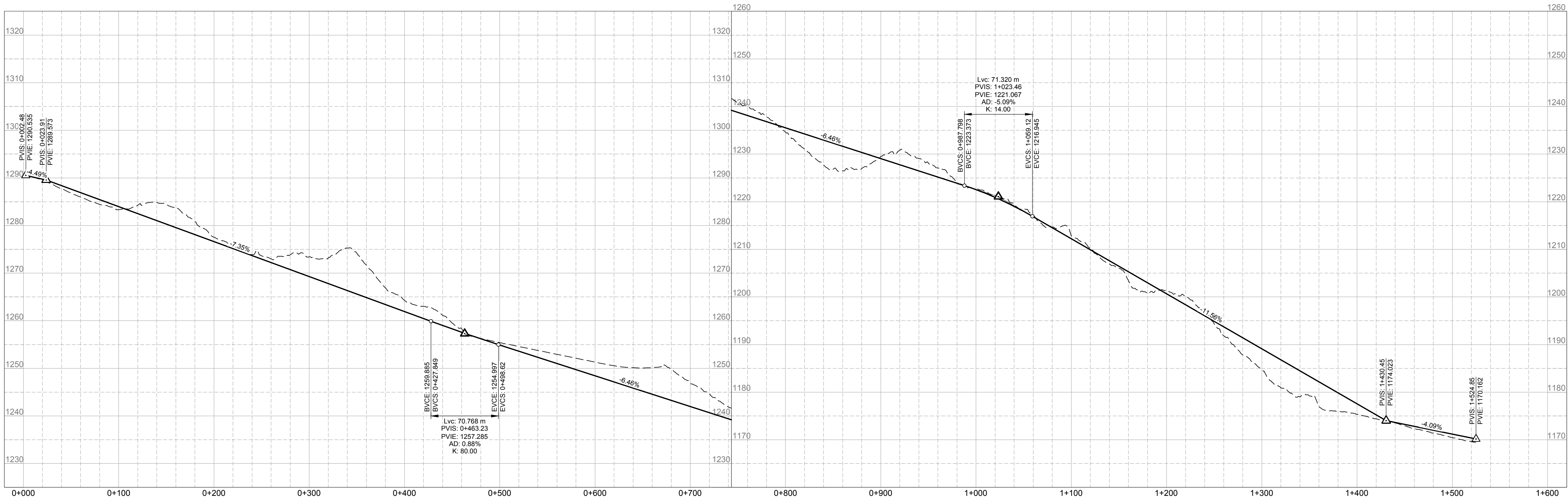
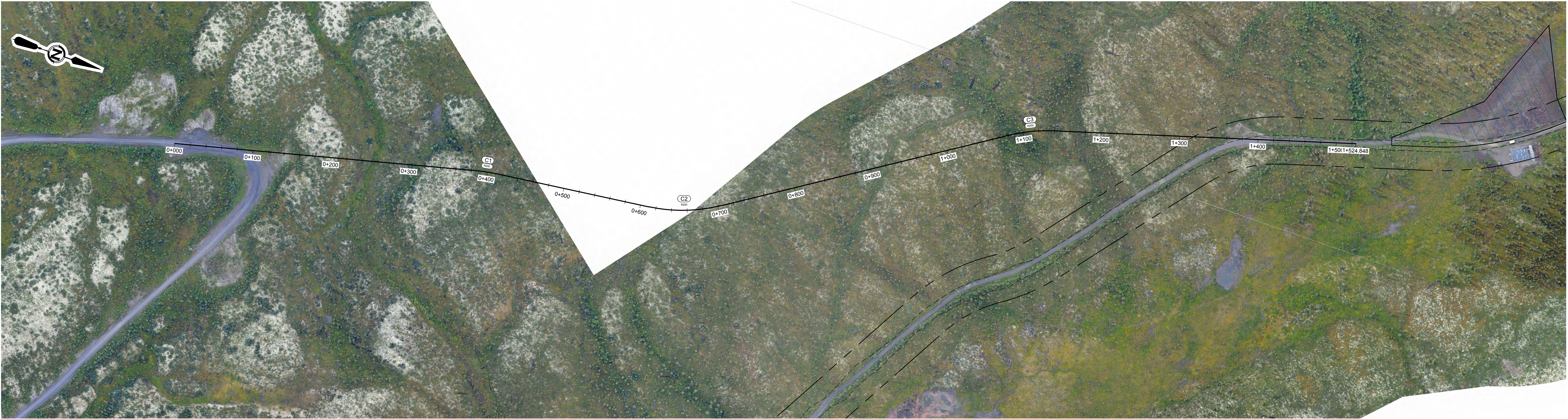
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HOWARD PASS ACCESS ROAD  
PRELIMINARY ROAD DESIGN  
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