Newmont
NORTH AMERICA

CRIPPLE CREEK & VICTOR
PO Box 191
100 N. 3rd Street
Victor CO 80860

newmont.com

June 8, 2023

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

Re: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Technical Revision 135 – Initial Adequacy Review Response

Dear Mr. Russell:

On April 13, 2023, Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) received the Division of Reclamation, Mining and Safety (DRMS) initial adequacy review of Technical Revision (TR) 135 to Permit M-1980-244, regarding the VLF2, Phase 3 Stage A.1 Record of Construction Report. Below are DRMS comments in bold and CC&V's response in *italics*.

1) **Specifications: All the specifications submitted with TR135 are dated August 27, 2021. The DRMS last approved all specifications (excepting Earthworks – 02200) with the approval of AM13 on December 23, 2020. The DRMS approved a minor change to correct an ongoing error in the Earthworks – 02200 specification for the gradation of the "substitute crushed ore as Drain Cover Fill specification". As part of the TR123 review the DRMS approved a revision to the Earthworks specification having a revision date of March 14, 2020. When new specifications are issued for a project, a technical revision is required in order for the DRMS to determine if they comply with the Act and Rules. As such the DRMS will review TR135 under the aforementioned approved specifications, unless CC&V submits a technical revision for review and approval of the new specifications**.

   Summary of changes to the specifications:

   Except for two minor changes, the more recent revision of August 12, 2021attached to all of the technical specifications is minor. The two changes made are as follows:

   - *1400 Earthwork CQA*

   In the last revision, the following section was removed from the specification:

   6.1. Overburden Fill Placement

Newmont NORTH AMERICA

CRIPPLE CREEK & VICTOR
PO Box 191
100 N. 3rd Street
Victor CO 80860

newmont.com

Construction of the Overburden Fill will be completed by the CONTRACTOR prior to the arrival of the CQA MONITOR. During this period, the MANAGER will provide the CERTIFYING ENGINEER and Division of Reclamation, Mining and Safety with weekly progress reports. These reports will include photographic evidence the material being placed meets the specification requirements, progress being made, and placement methods utilizing a template developed by the CERTIFYING ENGINEER. In addition, "Photographic Analysis" of the gradation of the material will be completed by the MANAGER on a monthly basis. Additionally, on a quarterly basis the CERTIFYING ENGINEER will perform on-site visual inspections and meet with the MANAGER to review the progress of the Overburden Fill placement.

This section was removed before issuing technical specifications to the contractor since this work was being done by the mine itself, however this specification was enforced while the mine was placing overburden for Stage A and will be again for overburden placement for Stage C.

- *02776 Geomembrane*

The references for liner conformance and field seam strength properties were updated to reflect newer versions of standards published by Geosynthetic Research Institute. Originally the standards referenced were "GRI Test Method GM17, revision 12, dated November 4, 2015" and "GRI Test Method GM19a, Revision 9, updated 07/28/2017" for conformance and field seam strength properties respectively. Those were changed to "GRI Test Method GM17, Revision 1 dated March 17, 2021" and" GRI Test Method GM19a, Revision 10, updated March 18,2021" respectively.

2) **Issued for Construction Drawings (IFC): All IFC drawings submitted with TR135 are issued as revision 0, dated August 27, 2021. The DRMS last approved IFC drawings for VLF2, Phase 3 with the approval of AM13 on December 23, 2020. No revision clouds are included with the Rev 0 IFC drawings for the DRMS to determine what, if any, significant revisions were made. The DRMS will review TR135 against the approved AM13 drawings without CC&V providing a summary of design changes incorporated into the TR135 IFC drawings after the AM13 approval**.

Summary of changes from Issued for Construction drawings:

The changes made to the drawings between the Submittal for Permitting and the IFC drawing set do not include changes to the design intent, but rather exist to provide additional clarity and detail for the purpose of construction. Several drawings from the permitting set have been split into individual drawings for each stage of the project. Many drawings have also been added that include additional details necessary for construction, such as alignments, profiles, setting out data, and additional sections and details. Some drawings showing details not necessary for construction, such as geology maps and stacking sections, were removed from the set.

Drawings removed from the set include:

- *A02- Site Geology Map*
- *A03 - Borehole Locations*
- *A12 – Phase 3 Stacking Plan*

Newmont NORTH AMERICA

CRIPPLE CREEK & VICTOR
PO Box 191
100 N. 3rd Street
Victor CO 80860

newmont.com

- *A13 and A14 – VLF Cross Sections*
- *A19 and A20 – PSSA Sections and Details (Sheets 2 and 3 of 3)*

Drawings split into multiple include:

- *Drawing A05 – Phase 3 Pad Isopach was split into Drawings A110, A210, and A310 for Stages A, B, and C respectively in the IFC set.*
- *Drawing A15 – Leak Detection Details was split into Drawings A420 and A421 in the IFC set. An additional section was added to better describe the transition of the leak detection trench from Stage A to Stage C.*
- *Drawings A16 and A17 – VLF Sections and Details were expanded into three drawings, A430, A431, and A432 in the IFC set. Additional sections and details were added to describe the haul roads in and around the facility and the Low Compaction Zones in the Schist Island Pit.*
- *Drawings A21 and A22 – PSSA Riser Sections and Details were split into 5 drawings. Details were added to show the pipe connections and base plates in more detail.*

Drawings added include:

- *A106 - Stage A PSSA Bench and LVSC Piping layout*
- *A108 – Stage A Low Compaction Zone*
- *A120 – Stage A Piping Plan*
- *A140 - Stage A Leak Detection Layouts*
- *A141 – Stage A Leak Detection Profiles*
- *A150 – Stage A Haul Road Plan and Profile*
- *A170, A171, A172 – Stage A Perimeter Access Road Plan and Profile*
- *A180 – Stage A Alignment Tables*
- *A220 – Stage B Piping Plan*
- *A240 - Stage B Leak Detection Layouts*
- *A241 – Stage B Leak Detection Profiles*
- *A250, A251 – Stage B Haul Road Plan and Profile*
- *A260 – Stage B Bench Alignments*
- *A270, A271 – Stage B Perimeter Access Road Plan and Profile*
- *A280 – Stage B Alignment Tables*
- *A308 – Stage C Low Compaction Zone*
- *A320 – Stage C Piping Plan*
- *A340 - Stage C Leak Detection Layouts*
- *A341 – Stage C Leak Detection Profiles*
- *A360 – Stage C Bench Alignment*
- *A370, A371 – Stage C Perimeter Access Road Plan and Profile*

3) **<u>Earthworks</u>: VLF2, Phase 3 Stage A.1 Record of Construction Report does not contain sections regarding the Schist Island Bulk Backfill zone nor the High Effort Compaction zone beneath the facility as approved in AM13, specifically including, but not limited to, commitments made through the first and second adequacy review responses to Item #73. The**

Newmont NORTH AMERICA

CRIPPLE CREEK & VICTOR
PO Box 191
100 N. 3rd Street
Victor CO 80860

newmont.com

DRMS will review TR135 upon submittal of the missing sections of the CQA report regarding the Schist Island Bulk Backfill and the High Effort Compaction zones.

Summary of additions and revisions to the VLF2, Phase 3 Stage A.1 Record of Construction Report:

475.0106.056 VLF2 PHASE 3 ROC REPORT was revised to include the addition of the Overburden Fill and Structural Fill (High Compaction Backfill) construction.

- *Tables 1 and 2 were revised to include the addition of the Structural Fill (High Compaction Backfill).*
- *Table 4 was added to include the Structural Fill (High Compaction Backfill)*
- *Tables 5 through 12 numbering was revised to reflect the addition of table 4*
- *Appendix A, C, E, F, and G were revised to include the addition of the Structural Fill*
- *Appendix E was also revised to include the Newmont CC&V weekly reports for the Overburden Backfill*

Should you require further information, please do not hesitate to contact Johnna Gonzalez at (719)851-4190, Johnna.Gonzalez@Newmont.com, or myself at (719) 237-3442 or Katie.Blake@newmont.com.

Sincerely,

DocuSigned by:
Katie Blake
5A3D013B629844B...

Katie Blake
Sustainability & External Relations Manager
Cripple Creek & Victor Gold Mining Co

EC:

M. Cunningham – DRMS
T. Cazier - DRMS
D. Swallow – Teller County
J. Gonzalez – CC&V
K. Blake – CC&V
N. Townley – CC&V

Attachments:

VLF2 P3 Stage A.1 Report
Appendix A
Appendix C
Appendix E.1
Appendix F.1.1
Appendix F.2.1
Appendix G.1
Table 1
Table 2
Tables 4-10
Table 11
Table 12

File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2023\June\Outgoing

VALLEY LEACH FACILITY 2
PHASE 3 STAGE A.1
RECORD OF CONSTRUCTION REPORT
REVISION-1

Prepared for:
Cripple Creek & Victor Gold Mining Company
P.O. Box 191
Victor, CO 80860

Prepared by:
NewFields Mining Design & Technical Services
9400 Station Street, Suite 300
Lone Tree, Colorado 80124

NewFields Job No. 475.0106.056
May 3, 2023

NewFields
Perspective. Vision. Solutions.

TABLE OF CONTENTS

ISSUED FOR CONSTRUCTION DRAWINGS[1]

- A000 COVER SHEET
- A010 GENERAL ARRANGEMENT
- A040 PHASE 3 PAD GRADING PLAN
- A060 PHASE 3 GEOMEMBRANE LIMITS
- A080 HIGH VOLUME SOLUTION COLLECTION PIPING LAYOUT
- A100 STAGE A GRADING PLAN
- A105 STAGE A PSSA, BENCH AND LVSC PIPING LAYOUT
- A106 STAGE A PSSA AND BENCH ALIGNMENT TABLES AND SETTING OUT DATA
- A108 STAGE A LOW COMPACTION ZONE
- A110 STAGE A ISOPACH
- A120 STAGE A PIPING PLAN
- A140 STAGE A LEAK DETECTION LAYOUTS
- A141 STAGE A LEAK DETECTION PROFILES
- A150 STAGE A HAUL ROAD PLAN AND PROFILE
- A170 STAGE A PERIMETER ACCESS ROAD PLAN AND PROFILE (1 OF 3)
- A171 STAGE A PERIMETER ACCESS ROAD PLAN AND PROFILE (2 OF 3)
- A172 STAGE A PERIMETER ACCESS ROAD PLAN AND PROFILE (3 OF 3)
- A180 STAGE A ALIGNMENT TABLES
- A420 LEAK DETECTION DETAILS (SHEET 1 OF 2)
- A421 LEAK DETECTION DETAILS (SHEET 2 OF 2)
- A430 VALLEY LEACH FACILITY SECTIONS AND DETAILS (SHEET 1 OF 3)
- A431 VALLEY LEACH FACILITY SECTIONS AND DETAILS (SHEET 2 OF 3)
- A432 VALLEY LEACH FACILITY SECTIONS AND DETAILS (SHEET 3 OF 3)
- A440 PSSA SECTIONS AND DETAILS
- A450 PSSA RISER SECTIONS AND DETAILS (SHEET 1 OF 5)
- A451 PSSA RISER SECTIONS AND DETAILS (SHEET 2 OF 5)
- A452 PSSA RISER SECTIONS AND DETAILS (SHEET 3 OF 5)
- A453 PSSA RISER SECTIONS AND DETAILS (SHEET 4 OF 5)
- A454 PSSA RISER SECTIONS AND DETAILS (SHEET 5 OF 5)

- A460 LOW VOLUME SOLUTION COLLECTION SYSTEM DETAILS
- A461 HIGH VOLUME SOLUTION COLLECTION SYSTEM DETAILS
- A470 UNDERGROUND WORKINGS REMEDIATION PLAN TYPICAL DETAILS

[1]Only drawings relevant to VLF2 Phase 3 Stage A construction

RECORD OF CONSTRUCTION DRAWINGS

- 1 PSSA SOIL LINER FILL (SLF) AS-BUILT EXHIBIT
- 2 OUTSIDE OF PSSA SOIL LINER FILL (SLF) AS-BUILT EXHIBIT
- 3 OUTSIDE OF PSSA LEAK DETECTION TRENCH AS-BUILT EXHIBIT
- 4 SECONDARY GEOMEMBRANE PANEL LAYOUT AS-BUILT
- 5 PSSA LOW VOLUME SOLUTION COLLECTION PIPING AS-BUILT EXHIBIT
- 6 PSSA LOW VOLUME SOLUTION COLLECTION RISER PIPE AS-BUILT EXHIBIT
- 7 PSSA LOW VOLUME SOLUTION COLLECTION FILL AS-BUILT EXHIBIT
- 8 PRIMARY GEOMEMBRANE PANEL LAYOUT AS-BUILT
- 9 80-MIL GEOEMBRANE PANEL LAYOUT AS-BUILT
- 10a PSSA HIGH VOLUME PIPING AS-BUILT EXHIBIT
- 10b PSSA HIGH VOLUME PIPING AS-BUILT EXHIBIT
- 11a PSSA HIGH VOLUME SOLUTION COLLECTION RISER PIPES AS-BUILT EXHIBIT
- 11b PSSA HIGH VOLUME SOLUTION COLLECTION RISER PIPES AS-BUILT EXHIBIT
- 12a OUTSIDE OF PSSA HIGH VOLUME PIPING AS-BUILT EXHIBIT
- 12b OUTSIDE OF PSSA HIGH VOLUME PIPING AS-BUILT EXHIBIT
- 13 DRAIN COVER FILL AS-BUILT EXHIBIT
- 14 DRAIN COVER FILL ISOPACH

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

- Appendix H.10 40-mil HDPE Geomembrane Resin QC Certificates
- Appendix H.11 Welding Rod Quality Control Certificates
- Appendix H.12 Geotextile Roll Quality Control Certificates

- Appendix I Secondary Geomembrane Installation Summaries
  - Appendix I.1 Secondary Geomembrane Deployment Summary
  - Appendix I.2 Secondary Geomembrane Trial Seam Summaries
    - Appendix I.2.1 Secondary Geomembrane Fusion Trial Seam Summary
    - Appendix I.2.2 Secondary Geomembrane Extrusion Trial Seam Summary
  - Appendix I.3 Secondary Geomembrane Fusion Welding Summary
  - Appendix I.4 Secondary Geomembrane Extrusion Welding Summary
  - Appendix I.5 Secondary Geomembrane Destructive Testing Summaries
    - Appendix I.5.1 Secondary Geomembrane Fusion Destructive Testing Summary
    - Appendix I.5.2 Secondary Geomembrane Extrusion Destructive Testing Summary
  - Appendix I.6 Secondary Geomembrane Pressure Testing Summary
  - Appendix I.7 Secondary Geomembrane Defect/Repair Summary
  - Appendix I.8 Secondary Geomembrane Acceptance Forms
- Appendix J Primary Geomembrane Installation Summaries
  - Appendix J.1 Primary Geomembrane Deployment Summary
  - Appendix J.2 Primary Geomembrane Trial Seam Summaries
    - Appendix J.2.1 Primary Geomembrane Fusion Trial Seam Summary
    - Appendix J.2.2 Primary Geomembrane Extrusion Trial Seam Summary
  - Appendix J.3 Primary Geomembrane Fusion Welding Summary
  - Appendix J.4 Primary Geomembrane Extrusion Welding Summary
  - Appendix J.5 Primary Geomembrane Destructive Testing Summaries
    - Appendix J.5.1 Primary Geomembrane Fusion Destructive Testing Summary

1. INTRODUCTION

NewFields Companies, LLC (NewFields) was commissioned by the Cripple Creek & Victor Gold Mining Company (CC&V), which is owned and managed by Newmont Corporation, to provide Construction Quality Assurance and Quality Control (QA/QC) for the construction of the Valley Leach Facility 2 (VLF2) Phase 3 project, formerly referred to as the Squaw Gulch VLF. The project is located in Teller County, Colorado, just east of the city of Cripple Creek. VLF2 is included in the Cresson Project, which is a gold mining and ore processing facility comprised of surface mines, crushers, lined VLFs, gold recovery plants, and associated infrastructure. The Cresson project was designed and constructed to meet or exceed the requirements established by C.R.S. §34 32 101 et seq. and regulations promulgated there under by the Mined Land Reclamation Board (MLRB). The work associated with the Cresson Project is being performed under specific criteria established in Amendment No. 10 of Permit Number M-1980-244, as approved by the MLRB.

This Record of Construction (ROC) report documents the QA/QC services for the VLF2 Project through Phase 3 Stage A.1. The following ROC reports should be referenced for Phase 3 Stage A.1 documentation that was completed during Phase 1, Phase 2A, and Phase 2B:

- "Squaw Gulch VLF Pregnant Solution Storage Area Project Final Report," submitted by AMEC in November 2014
- "Squaw Gulch VLF Phase 1 (9,450' to 9,500' Bench) Final Report," submitted by AMEC in October 2015
- "Squaw Gulch VLF Phase 1 (9,550-foot Elevation Bench to Completed Areas Outlined on Figure 2) Final Report," submitted by AMEC in January 2016
- "Squaw Gulch Valley Leach Facility Phase 1 Completion Record of Construction Report," submitted by NewFields in October 2016
- "Squaw Gulch Valley Leach Facility Phase 2A Part 1 Record of Construction Report," submitted by NewFields in July 2019
- "Squaw Gulch Valley Leach Facility Phase 2A Part 2 Record of Construction Report," submitted by NewFields in September 2019
- "Squaw Gulch Valley Leach Facility Phase 2A Part 3 Record of Construction Report," submitted by NewFields in July 2020
- "Squaw Gulch Valley Leach Facility Phase 2B Part 1 Record of Construction Report," submitted by NewFields in September 2020
- "Squaw Gulch Valley Leach Facility Phase 2B Part 2 Record of Construction Report," submitted by NewFields in November 2020

The attached Figures 1 and 2 present the general site location, the VLF2 Phases, and the Phase 3 Stage A.1 certification limits.

1.1. Project Description

VLF2 Phase 3 is the expansion of the existing VLF2. The general design of the VLF2 Phase 3 expansion comprises a lined pad and a dedicated internal Process Solution Storage Area (PSSA). Sections of lined pad area and the PSSA were brought up to grade by backfilling portions of Schist Island Pit Phase 1 with Overburden and compacted Structural Fill. The remainder of the lined pad area grading was reshaping the flat area between VLF2 Phase 2 and VLF2 Phase 3 to drain towards either the Phase 2 or Phase 3 PSSA.

Construction within VLF2 Phase 3 Stage A.1 was completed on December 12, 2022. The VLF2 Phase 3 Stage A grading plan is shown on Drawing A100 of the IFC drawings.

1.2. Parties Involved

Work performed during the VLF2 Phase 3 Stage A.1 project was completed by several parties. Responsible parties involved in the project are listed below:

- Project management was provided by CC&V. Messrs. Evan Fonger, Jeff Gaul, Daniel Egley, and Robert Pacheco represented CC&V as the Construction Manager and Construction Superintendents, respectively.
- CC&V mining operations placed the Schist Island Pit Phase 1 Overburden and Structural backfill to rough sub-grade for SLF for the Stage A project.
- JHL Constructors (JHL) was contracted by CC&V as the general contractor responsible for all construction activities for the Stage A project after the backfill and rough subgrade areas were released by CC&V.
- Kelley Trucking, Inc (KTI) was subcontracted by JHL to perform all major earthworks activities.
- JHL and Kimley-Horn performed all survey. Kimley-Horn was subcontracted by JHL to compile all survey and finalize as-built drawings.
- Tetra Tech, was subcontracted by JHL to perform the Stage A geomembrane installation.
- NewFields provided field engineering and construction QA/QC testing and inspection for the Stage A project. A Staff Schedule of NewFields personnel is presented in Appendix A.
- Agru America Inc. (Agru) manufactured and delivered geomembrane materials.
- TenCate Geosynthetics manufactured and delivered all the geotextile materials.
- Texas Research International, Inc. (TRI) was subcontracted by NewFields to perform third party conformance testing during the geosynthetics manufacturing.

1.3. Construction Quality Assurance (CQA) / Construction Quality Control (CQC)

CC&V contracted NewFields to perform all CQA and CQC activities for the VLF2 Phase 3 Stage A.1 project with the exception of the Overburden backfill portion of the project. All CQA records of testing are presented in the Tables and Appendices attached to this report.

1.4. Design Drawings and Technical Specifications

VLF2 Phase 3 Stage A.1 was constructed in general accordance with the Design Drawings and Technical Specifications from the report titled "*Cripple Creek & Victor Gold Mining Company Valley Leach Facility 2 Phase 3,"* issued by NewFields in July 2020. NewFields developed updated Issued for Construction Drawings and Technical Specifications dated August 2021. In March 2020, NewFields updated the Earthworks Technical Specifications to allow for 3-inch minus crushed ore to be used as Drain Cover Fill. The IFC Drawings and ROC Drawings are attached to this document. Survey for the VLF2 Phase Stage A.1 drawings was performed by JHL and Kimley-Horn. Copies of the Surveyor's Professional Licenses are presented in Appendix B. The Technical Specifications are presented in Appendix C and the earthwork material specifications are summarized in Table 1. Any deviations from the IFC drawings or project Technical Specifications are discussed in Section 4 of this report.

1.5. Use of this Report

This report has been prepared exclusively for Cripple Creek & Victor Gold Mining Company. No third party, other than the design team (NewFields), shall be entitled to rely on any information, conclusions, opinions, or other information contained herein without the express written consent of CC&V. Any third party that does rely on any information, conclusions, opinions, or other information contained herein without the express written consent of CC&V understands and acknowledges that NewFields is not liable for any claim arising out of such use.

2. SCHIST ISLAND PIT PHASE 1 BACKFILL

CC&V performed the Overburden backfill and Structural Fill/High Compaction Backfill (HCBF) activities prior to the VLF2 Phase 3 project.

Equipment used to perform these activities is listed below:

- CAT 793 Loader
- CAT 794 Loader
- CAT 6060 Shovel
- CAT 6015 Excavator
- CAT 793 Haul Truck
- CAT D10T Dozer

2.1. Overburden Backfill

Run of Mine material was placed as bulk Overburden fill within the limits of VLF2 Phase 3 Stage A.1 area to backfill the Schist Island Phase 1 pit. The Overburden material was placed in varying loose lift thicknesses with the maximum lift thickness not exceeding 25 feet thick.

2.2. Structural Fill/High Compaction Backfill

Approximately 883,816 cubic yards of Run of Mine material was placed as Structural Fill/High Compaction Backfill within the limits of VLF2 Phase 3 Stage A.1 area. The Structural Fill/High Compaction Backfill was placed in maximum 5 feet thick loose lifts and compacted using wheel rolling by loaded 793 haul trucks. The entire surface of each lift was compacted with a minimum of two passes (one pass = forward and backward) in accordance with the developed method specification.

The method specification was developed by building loose 5 feet thick test pads on firm and unyielding surfaces in the Schist Island Phase 1 Pit. A grid was marked across the test pads and surveyed by Foresight West Surveying or CC&V survey. These same points were surveyed after each pass of a loaded 793 haul truck until the elevation change was minimal.

All subgrade preparation and SF/HCBF placement associated with site grading was monitored by the CQA Monitor to ensure that it met the project Technical Specifications.

3. VLF2 PHASE 3 CONSTRUCTION ACTIVITIES

JHL performed construction activities during the VLF2 Phase 3 project, excluding large earthworks and geomembrane installation. Major earthworks activities such as hauling and grading were performed by KTI.

Equipment used to perform these activities is listed below:

- CAT 308E Mini Excavator
- Yanmar SV100 Mini Excavator
- CAT 311F Excavator
- CAT 336F Excavator

- CAT 349E Excavator
- CAT 345B Excavator
- CAT 740 Haul Truck
- CAT D6T LGP Dozer
- CAT D6K Dozer
- CAT D6XE Dozer
- CAT D8T Dozer
- CAT D10R Dozer
- CAT CS56 Smooth Drum Roller
- CAT 730 Water Wagon
- CAT 926M Wheel Loader
- CAT 980G Front End Loader
- CAT 299D3 Skid Steer
- CAT 289D Skid Steer

3.1. Clearing and Grubbing

The footprint of VLF2 Phase 3 Stage A.1 was stripped of all deleterious materials. Any soil containing vegetation was removed and placed in several site topsoil stockpiles designated by CC&V. All cleared areas were inspected by the CQA Monitor to ensure that all deleterious material was removed prior to further construction activities.

3.2. Underground Workings Remediation

Historic underground workings within the VLF2 Phase 3 Stage A.1 footprint were remediated in accordance with IFC Drawing A470 and the project Technical Specifications. All underground workings that were encountered within the Phase 3 Stage A.1 limits during construction were given a unique identification number and are summarized in the table presented in Appendix P. The table includes the historic identification number, identification number, location (northing, easting, and surface elevation), type of working, remediation type, remediation quantities and remarks regarding the remediation. Workings were only identified if they were within 50 feet of the finished subgrade surface. Investigation and remediation were not required for any workings that exist at a depth greater than 50 feet below the finished subgrade surface. Appendix P contains a layout of all underground workings that were remediated within the Phase 3 Stage A.1 limits.

3.2.1. Confirmatory Drilling

Confirmatory drilling was performed at all workings that were known or encountered during Phase 3 Stage A.1 construction to help define the limits of the working. The goal of the confirmatory drilling was to isolate the working so that the proper remediation could be completed.

Pneumatic hammer track drill rigs were used to drill four-inch diameter holes in designated patterns on known or encountered Underground Workings. If drilling activities indicated that 50 feet of crown pillar existed above the working, then the drill hole was marked as a “miss.” If any

voids were encountered during drilling, then the drill hole was marked as a "hit," and the void depths were recorded. LiDar scanning equipment was lowered into the "hit" voids to determine the size and extents of the void and to map its geographical location. After the working was scanned a remediation plan was developed for the working.

All drill holes were grouted with bentonite slurry or backfilled with native material prior to blasting the crown pillar and remediating the working.

3.2.2. Blasting

Blasting was required when drilling indicated that voids existed within 50 feet of the finished subgrade surface. Existing and/or additional drill holes were loaded, and the working was blasted with the intent to collapse the crown pillar into the voids.

3.2.3. Remediation of Laterals

All laterals were blasted prior to remediating the working. If the lateral was shallow, the blasted material was excavated, and the working was backfilled with compacted SF. If the working could not be fully removed during excavation, then a geogrid cap was placed 15 feet beyond the limits of the working. In most instances, a two-layer geogrid cap was installed in accordance with Detail 22 on IFC Drawing A470; however, in some areas, a third layer of geogrid was installed based on the working size and depth, field conditions and location of the working within the pad. As-built figures for the geogrid caps installed within the VLF2 Phase 3 Stage A.1 limits are presented in Appendix P.

3.3. Site Grading

Approximately 21,522 cy of Structural Fill (SF) material was used to grade the site within the limits of VLF2 Phase 3 Stage A.1 area. The SF was placed in maximum 2-foot-thick loose lifts, moisture conditioned as required, and compacted using a 12-ton vibratory smooth drum roller. The entire surface of each lift was compacted with a minimum of three passes (one pass = forward and backward) in accordance with the developed method specifications.

The method specifications were developed by building a 2-foot-thick test pad on a firm and unyielding surface along the west side of the PSSA. A grid was marked across the test pad and surveyed by Foresight West Surveying. These same points were surveyed after each pass of the smooth drum vibratory roller until the elevation change was minimal.

All subgrade preparation and SF placement associated with site grading was monitored by the CQA Monitor to ensure that it met the project Technical Specifications.

3.4. Subgrade Preparation

The subgrade was prepared and inspected prior to SLF placement. The exposed subgrade surface was moisture conditioned and compacted using a 12-ton smooth drum vibratory roller where needed. Compaction of the subgrade was performed in accordance with the applicable developed method specifications as described in Section 2.3. The CQA Monitor inspected and approved the finished subgrade surface prior to SLF placement.

3.5. Leak Detection Trench

Approximately 628 linear feet of leak detection trench was constructed within VLF2 Phase 3 Stage A.1 limits in accordance with the project Technical Specifications. The VLF2 Phase 3 Stage A.1 Leak Detection Trench 1 is presented in the Leak Detection Trench As-built record of construction drawing number 3.

Detail A on IFC Drawing A420 shows the typical leak detection trench section. Per Detail A, a minimum one foot by one-foot trench was excavated and lined with 40-mil smooth HDPE geomembrane. The geomembrane was installed in long strips with a 5-foot overlap and was overlain by a 12 oz/yd^2 non-woven geotextile. A 4-inch diameter perforated corrugated polyethylene pipe (CPeP) was then placed in the trench. The trench was backfilled with Leak Detection Fill (LDF) and the geotextile was wrapped around the fill with a minimum 1-foot overlap. A flowline slope of 2 percent was maintained along the entire length of the trench. In areas where this slope could not be maintained, the slope was reduced to a minimum of 0.5% in localized areas only. The CQA Monitor observed the leak detection trench installation to date.

The Stage A.1 portion of Leak Detection Trench 1 was constructed by installing approximately 3,140 square feet of 40-mil smooth HDPE geomembrane, 3,140 square feet of 12 oz/yd^2 non-woven geotextile, 628 linear feet of 4-inch CPeP and 23 cy of LDF.

3.6. Soil Liner Fill

Approximately 33,845 cy of SLF was placed within the VLF2 Phase 3 Stage A.1 area. The as-built SLF surface is presented in Soil Liner Fill As-Built record of construction drawings.

Materials from the ECOSA borrow were processed through a custom-designed screen in order to remove oversized rock and uniformly condition the material. A mobile incline screening plant with a double deck was also used to screen the material. After processing, the SLF was stockpiled in designated stockpiles around the site.

The contractor used 40-ton articulated haul trucks to haul SLF from the local stockpiles to the VLF2 Phase 3 Stage A.1 footprint. The material was spread using D6 and D8 dozers equipped with GPS, and moisture conditioned in place by tandem-axle water trucks and laborers. A 12-ton

smooth drum vibratory roller, track-mounted skid steer with roller attachment, and mini excavator with vibrating plate attachment were utilized to compact the SLF to a minimum thickness of 12 inches. The specified minimum density was 95 percent of the maximum dry density with a moisture content within minus 2 percent to plus 3 percent of optimum as determined by American Society for Testing and Materials (ASTM) D698.

Laboratory testing, moisture content verification, nuclear density testing, depth verification, and visual inspection of the SLF were performed by the CQA Monitor prior to approval for geomembrane deployment. If deficient areas of the SLF were encountered, the area was reworked and retested until the area was compliant with the project Technical Specifications. All SLF was inspected and approved by the CQA Monitor, CC&V, KTI, and Tetra Tech prior to geomembrane deployment. SLF laboratory testing is discussed in Section 3.2.3. SLF acceptance forms are provided in Appendix D.

3.7. PSSA Composite Liner System

The composite liner system for the PSSA consists of a layer of secondary 100-mil LLDPE double sided textured geomembrane, a low volume solution collection system, and a primary layer of 100-mil LLDPE double sided textured geomembrane. The low volume solution collection system is described in further detail in Section 2.6.1. The as-built filling curve for the PSSA is provided in Figure 5.

Tetra Tech installed approximately 515,031 square feet of secondary 100-mil LLDPE geomembrane and 508,091 square feet of primary 100-mil LLDPE geomembrane within the PSSA. Panels were deployed from the top of the 10,000’ bench using forklifts and deployed down the length of the 2H:1V slope so that stresses on the seams between panels were minimized.

The secondary geomembrane was underlain by the 1’ thick layer of SLF that was placed across the entire lined project footprint. The SLF surface was moisture conditioned, compacted and approved by the CQA Monitor prior to secondary geomembrane deployment.

3.7.1. Low Volume Solution Collection System

The Low Volume Solution Collection System (LVSCS) consists of a three-foot-thick layer of low volume solution collection fill (LVSCF), and a network of approximately 4,162 linear feet of perforated 4-inch CPe pipes laid out in a herringbone pattern across the secondary geomembrane of the PSSA. The pipes convey solution to the sump, where three 18” dia. HDPE low volume solution collection risers run from the bottom of the sump to the 10,000’ bench of the PSSA.

3.7.2. PSSA Anchor Trench

Using a mini excavator, JHL excavated approximately 3,412 feet of anchor trench around the crest of the PSSA. The anchor trench was a minimum of 3 feet deep by 2 feet wide and was used for both secondary and primary geomembranes. The secondary and primary geomembranes in the anchor trench are separated by approximately 1 foot of SLF or approved SLF reject material, and the configuration is shown in Detail 4 of IFC drawing number A440. Once both secondary and primary geomembranes were installed in the anchor trench, JHL used a skid steer and a mini excavator with vibrating plate attachment to backfill and to compact the material in the anchor trench. In areas where the anchor trench would remain exposed until the 2023 construction season, the SLF was placed to the top of liner and sloped to direct stormwater away from the anchor trench.

3.8. 80-mil Geomembrane

Tetra Tech installed approximately 394,420 square feet of 80-mil LLDPE geomembrane within the VLF2 Phase 3 Stage A.1 area as shown on Record Drawing No. 9. The edge of geomembrane along the eastern and northern sides of the project limits, which will tie in with future construction phases, was protected by burying it within the SLF.

Forklifts were used to transport and deploy the geomembrane panels parallel to the slopes to minimize stress on seams. Double-wedge fusion welding was the primary method of geomembrane seaming. Extrusion welding methods were used to perform tie-in seaming, defect repairs, and detail activities. Continuity conformance of fusion welded seams was performed using pressure testing methods, while extrusion welded seams and repairs were non-destructively tested using vacuum testing methods. Destructive testing was performed for both seaming types. The CQA Monitor observed and documented all geomembrane installation and repair activities.

3.9. 80-mil Anchor Trench

The geomembrane was anchored at the limits of the VLF2 Phase 3 Stage A.1 area in a minimum 2-foot wide and 3-foot-deep anchor trench. The anchor trench was backfilled by JHL using a mini excavator and skid steer. The backfill material, which was composed of SLF and rejected material from the SLF screening plant, was placed in 8 to 12-inch loose lifts and compacted with a mini excavator with vibrating plate attachment. In areas where future geomembrane installation would cover the anchor trench, SLF was used to backfill the top 12 inches of the anchor trench.

3.10. High Volume Solution Collection System

The piping layout plan view of the High Volume Solution Collection System (HVSCS) is shown on drawing A120 of the IFC drawing set. Piping details are shown on IFC drawing A461.

All HVSCS piping was installed on approved geomembrane and held in place with sandbags during DCF placement. The sandbags were filled with approved DCF material and were split open prior to being covered with DCF. Approximately 10,417 linear feet of 4-inch diameter perforated corrugated polyethylene pipe (CPeP), 2,197 linear feet of 8-inch diameter perforated CPeP, 688 linear feet of 12-inch diameter perforated CPeP, 417 linear feet of perforated 18-inch CPeP, and 2,539 linear feet of 24-in CPeP were installed.

3.10.1. HVSCS Riser Foundation

The LVSCF underneath the HVSCS risers was compacted to within 95% of the MDD using a skid steer with roller attachment. The in-place moisture and density was tested using a nuclear densometer.

3.10.2. HVSCS Risers

The steel base plates for the HVSCS risers were installed on a layer of padding over the primary geomembrane in the sump of the PSSA. The padding was designed to protect the geomembrane and consisted of a layer of GCL, a layer of 3-inch-thick closed cell foam, and a layer of conveyor belting. Extra conveyor belting was used as needed to level the steel plates.

3.11. Select Drain Cover Fill

Approximately 300 cubic yards of Select Drain Cover Fill (SDCF) was placed around the circumference of the HVSCS risers in the sump of the PSSA, up to the elevation of the 6-inch perforated CPe collector pipes. The SCDF was placed using a 336 excavator on a 4-foot-thick layer of DCF. A layer of DCF was placed around the SDCF to buttress the material in place.

3.12. Drain Cover Fill

Approximately 67,685 cy of crushed ore DCF was placed within the VLF2 Phase 3 Stage A.1 area in accordance with the project Technical Specifications. Durable ore was sent to the crusher which processed the ore to the 3 inch-minus technical specification. After processing, the DCF was stockpiled east of VLF2 in an area designated by CC&V.

KTI used 40-ton articulated trucks to haul DCF from the stockpile to the VLF2 Phase 3 Stage A.1 project area. The DCF was placed in a minimum 2-foot-thick layer over approved 80-mil and 100-mil geomembrane using D6 dozers. The DCF as-built exhibit is shown on Record Drawing No. 13.

Haul routes consisted of 4-foot-lifts that were spread into 2-foot-lifts upon finish grading the area. All DCF was placed in an uphill direction on slopes steeper than 4H:1V, and grade was checked using dozers with GPS capability.

A CQA Monitor was present during all DCF placement activities to verify that the DCF was placed in accordance with the project Technical Specifications and that no damage to the geomembrane occurred. If any damage to the geomembrane was noted, work activities were paused, and the damage was repaired prior to resuming DCF placement. The DCF as-built isopach is shown on Record Drawing No. 14. It is important to note that the DCF isopach was developed by generating a volume surface between two surfaces, the top of the SLF and the top of the DCF. The SLF and DCF surfaces were created from survey points. All survey points were not taken in the same location for each surface. The depths showing less than 2 feet have some level of error associated with them due to the surface triangulation between points. Any identified low spot was hand measured and verified in the field by NewFields to ensure a minimum depth of 2 feet. If a low spot was found in the field, the contractor was notified and remediated it to 2 feet thick minimum.

4. QUALITY ASSURANCE/QUALITY CONTROL

QA/QC activities were performed by the CQA Monitor for all shifts during the VLF2 Phase 3 Stage A.1 project. An office and field laboratory was used to organize data and perform necessary laboratory testing onsite. QA/QC activities performed included: monitoring all aspects of construction, inspection and approval of all project components, laboratory testing of soils and geomembrane, field testing of soils and geomembrane, documentation of construction and QA/QC activities.

Daily and weekly construction progress reports were generated and submitted to CC&V and the Engineer of Record (EOR). The weekly construction progress reports are presented in Appendix E. The timeline of activities covered in the reports is listed below:

- Newmont Overburden Backfill reporting August 29, 2021 – October 22, 2021
- Week ending October 22, 2021 to February 25, 2022 – SF (HCBF) placement
- Week ending June 17, 2022 to October 21, 2022 – SLF placement
- Week ending July 29, 2022 to August 26, 2022 – Secondary geomembrane deployment
- Week ending September 2, 2022 to September 30, 2022 – LVSCF placement
- Week ending September 23, 2022 to October 21, 2022 – Primary geomembrane deployment
- Week ending October 7, 2022 to October 28, 2022 – 80-mil geomembrane placement
- Week ending October 21, 2022 to December 9, 2022 – DCF placement

Photographs of key construction elements taken by the CQA monitor throughout the project are presented in Appendix F. All testing and inspections were performed in accordance with the Technical Specifications presented in Appendix C.

4.1. Testing Standards

The CQA Monitor completed the earthwork laboratory testing in an on-site soils laboratory to verify that all earthwork construction materials met the project Technical Specifications. Geomembrane and geotextile samples were sent to a third-party laboratory to verify that the material properties met the project technical specifications. All testing was performed in accordance with these American Society of Testing and Materials (ASTM) standards.

4.1.1. Earthworks Testing Standards

- Particle size analysis (ASTM C117, C136, D1140, D6913)
- Atterberg limits (ASTM D4318)
- Laboratory moisture/density relationship (ASTM D698)
- Moisture Content (ASTM D2216)
- Flexible Wall Permeability (ASTM D5084, Method D)
- Density of soil in place by nuclear method (ASTM D6938)
- Soil Classification (ASTM D2488)

4.1.2. Geomembrane Testing Standards

- Thickness (ASTM D5199/D5994)
- Density (ASTM D1505/D792, Method B)
- Carbon Black Content (ASTM D4218)
- Carbon Black Dispersion (ASTM D5596)
- Tensile Properties (ASTM D6693)
- Ultimate Elongation (ASTM D6693)
- Puncture Strength (ASTM D4833)
- Peel and Shear Strength (ASTM D6392)

4.1.3. Geotextile Testing Standards

- Mass per Unit Area (ASTM D5261)
- Puncture Resistance (ASTM D4833)
- CBR Puncture (ASTM D6241)
    - Apparent Opening Size (ASTM D4751)

4.2. Earthworks Construction Quality Assurance

All earthwork activities for the VLF2 Phase 3 Stage A.1 project were performed in accordance with the design drawings and project specifications as discussed in Section 1.4. The CQA Monitor observed, documented, and performed testing during material placement. This included: ensuring the proper materials were placed, fills were free of deleterious materials, lift placement was performed uniformly and on a firm and unyielding underlying layer, haulage traffic was spread across fill surfaces when practical, moisture conditioning was performed uniformly with acceptable moisture content, the proper method specification was used when applicable, and specified densities were achieved during field testing. Earthworks laboratory and field testing and frequencies are summarized in Table 2.

The CQA Monitor checked ambient temperatures and logged the daily high and low temperatures, maximum wind speeds and amount of precipitation in Table 3. If earthwork activities were performed while the ambient temperature was below 32°F, fill temperatures were monitored by the CQA Monitor to ensure no frozen material was compacted in accordance with the applicable project specifications. Ambient temperatures are presented in Table 3.

4.2.1. Structural Fill

VLF2 Phase 3 Stage A.1 was constructed by placing 21,522 cy of SF. The particle size distribution and Atterberg limits testing frequencies were one sample for every 50,000 cy. A minimum of one SF sample was required to be tested for particle size and Atterberg limits based on the quantity of material placed. A total of two SF samples were tested with passing results. SF laboratory testing is summarized in Table 4 and individual test results are presented in Appendix G.1.

No laboratory compaction testing was performed on the SF placed within the VLF2 Phase 3 Stage A.1 area, as all SF material contained more than 30 percent retained on the ¾-inch sieve. Density was achieved by placing the material in accordance with the method compaction specifications presented in Section 2.3.

4.2.2. Leak Detection Fill

The VLF2 Phase 3 Stage A.1 portion of the leak detection trench was constructed by placing 23 cy of LDF. The particle size distribution and Atterberg limits testing frequencies were one sample for every 10,000 cy. One LDF sample was required to be tested for particle size and Atterberg limits. One LDF sample was tested with passing results. LDF laboratory testing is summarized in Table 9 and individual test results are presented in Appendix G.3.

4.2.3. Soil Liner Fill

The VLF2 Phase 3 Stage A.1 area was constructed by placing 33,845 cy of SLF. The particle size distribution, Atterberg limits, laboratory compaction, and permeability testing frequencies were one sample for every 4,000 cy. A minimum of nine SLF samples were required to be tested for the above parameters. Seventeen SLF samples were tested and found to be within specifications. SLF laboratory testing is summarized in Table 6, and individual test results are presented in Appendix G.4.

The nuclear density/moisture testing frequency for SLF is one test for every 500 cy. A minimum of sixty eight SLF nuclear density/moisture tests were required, and a total of eighty-seven SLF nuclear density/moisture tests were performed with passing results. The depth check frequency for SLF is two checks for every acre. A minimum of twenty SLF depth checks were required. A total of eighty-seven SLF depth checks were performed with passing results. SLF nuclear density/moisture testing and SLF depth checks are presented in Tables 10 and 11, respectively.

4.2.4. Low Volume Solution Collection Fill

Approximately 59,831 cubic yards of LVSCF were placed in the PSSA over approved secondary geomembrane. The minimum testing frequency for particle size distribution and Atterberg limits is one sample per 10,000 cy. A minimum of 6 LVSCF samples were required at this frequency, and 9 were tested and found to be within specifications. LVSCF laboratory testing is summarized in Table 7.

4.2.5. Drain Cover Fill

VLF2 Phase 3 Stage A.1 was constructed by placing 67,685 cy of crushed ore drain cover fill (DCFO). No non-ore DCF was used for the construction of VLF2 Phase 3 Stage A.1. The particle size distribution and Atterberg limits testing frequencies were one sample for every 20,000 cy. A minimum of four DCFO samples were required to be tested for particle size and Atterberg limits. A total of ten DCFO samples were tested with passing results. DCFO laboratory testing is summarized in Table 8 and individual test results are presented in Appendix G.6.

4.3. Geosynthetics Quality Control Submittals

The CQA Monitor reviewed and approved all geosynthetic QC submittals, including geomembrane installation personnel resumes, geomembrane roll QC certificates, geomembrane resin QC certificates, welding rod QC certificates, and geotextile QC certificates. The CQA Monitor tracked all geomembrane delivered to site in the site inventory. The site inventories for all 100-

mil, 80-mil, and 40-mil geomembrane are presented in Appendices H.2, H.5, and H.8, respectively.

4.3.1. Geomembrane Installation Personnel Resumes

Tetra Tech submitted the resumes of all installation personnel prior to construction or repair activities within the VLF2 Phase 3 Stage A.1 area. The CQA Monitor verified that the Installation Superintendent, Master Seamer and QC Inspector possessed the installation experience required by the project Technical Specifications. Geomembrane installation personnel resumes for all crews that performed work on the VLF2 Phase 3 Stage A.1 area are presented in Appendix H.1.

4.3.2. Geomembrane Roll QC Certificates

The VLF2 Phase 3 Stage A.1 geomembrane was manufactured by AGRU America. Manufacturing Roll QC certificates were submitted for every roll of geomembrane (approximately one every 9,000 square feet), exceeding the required minimum frequency of one per 50,000 square feet of geomembrane. The roll QC certificates were reviewed by the CQA Monitor, ensuring all geomembrane materials met or exceeded the project Technical Specifications. It should be noted that a separate Asperity test measuring the height of the microspikes on the liner was also recorded in the QC certificates. The Asperity height is separate from the thickness of the liner. All QC certificates for 100-mil, 80-mil, and 40-mil geomembrane for VLF2 Phase 3 Stage A.1 are provided in Appendices H.3, H.6, and H.9, respectively.

4.3.3. Geomembrane Resin QC Certificates

AGRU America manufactured the geomembrane for the VLF2 Phase 3 Stage A.1 by using LLDPE polymer raw material (resin). Chevron Phillips Chemical Company provided resin QC certificates at a rate of one per rail car shipment. The resin QC certificates were reviewed by the CQA Monitor, ensuring all materials met or exceeded the project Technical Specifications. The most recent resin QC certificates for all 100-mil, 80-mil, and 40-mil geomembrane used within the Phase 3 Stage A.1 area are presented in Appendices H.4, H.7, and H.10, respectively.

4.3.4. Geomembrane Welding Rod QC Certificates

AGRU America manufactured the extrusion welding rod for VLF2 Phase 3 Stage A.1 from various resin lots. The CQA Monitor reviewed and verified that all welding rod QC certificates that were provided by Chevron Phillips Chemical Company met the project

Technical Specifications and was manufactured using the same type of resin. The welding rod QC certificates are presented in Appendix H.11.

4.3.5. Geotextile QC Certificates

Tencate Geosynthetics manufactured the 12 oz/yd^2 non-woven geotextile that was used to construct the leak detection trench. The CQA Monitor verified that the geotextile QC certificates, presented in Appendix H.12, met the project Technical Specifications.

4.4. Geomembrane Construction Quality Assurance

CQA performed on installed LLDPE geomembrane consisted of visual observations of panel deployment, double-wedge fusion seaming, extrusion seaming, extrusion welded repairs, non-destructive testing, and destructive testing. Fusion welded seams were non-destructively tested for continuity using pressure testing methods. Extrusion welds were non-destructively tested using vacuum testing methods. Fusion and extrusion welding methods were also tested destructively. All field sampling and testing was performed by Tetra Tech and observed by the CQA Monitor. Visual observations of field seams and panels were routinely made to inspect the seam for squeeze-out, melt, over-grind, and overlap. Defects and/or failed seams were marked and repaired in accordance with the specified repair procedures.

Welding machines were continually inspected for proper operation, settings and condition by performing trial welds prior to actual geomembrane installation. Logs of the trial welds, panels, seams, continuity testing, repairs, and destructive testing were maintained by both the contractor and the CQA Monitor on a daily basis. The CQA Monitor's geomembrane installation logs are presented in Appendices I, J and K.

All geomembrane installation for the VLF2 Phase 3 project was performed in accordance with design drawings and project specifications. Record Drawing numbers 4, 8 and 9 show panel locations, seams, and destructive test locations.

4.4.1. Geomembrane Third Party Conformance Testing

The third party conformance test samples for the 40-mil, 80-mil and 100-mil geomembrane were obtained at a rate of one test for every 150,000 square feet, and at least one test for each resin lot, resulting in a total of 10 tests for 100-mil LLDPE, 23 tests for 80-mil LLDPE, and 1 test for 40-mil HDPE. Samples were tested by TRI in Anaheim, CA. All conformance test results were reviewed by a NewFields representative and met the Technical Specifications. Third party conformance test results for 100-mil LLDPE, 80-mil LLDPE, and 40-mil HDPE are presented in Appendices L, M and N, respectively.

4.4.2. Geomembrane Panel Deployment

The SLF surface was inspected by the CQA monitor prior to geomembrane deployment, ensuring the surface was free of any protruding rock greater that 0.75-inches, desiccation crackers greater than 0.25-inches in width or depth, or irregularities (rutting, ridges, indentations, etc.) greater than 0.5-inches. The SLF surface was approved by Tetra Tech, JHL, CC&V, and the CQA Monitor prior to and during deployment each day. SLF acceptance forms are presented in Appendix D. During geomembrane panel deployment the CQA Monitor logged the dimensions of each panel, the roll number used for each panel, and measured the thickness of the panel edges. Roll numbers were checked against the site inventory to ensure only approved geomembrane was deployed. Geomembrane panel deployment summaries for secondary and primary 100-mil geomembrane in the PSSA are presented in Appendices I.1 and J.1, respectively. Deployment summaries for 80-mil geomembrane are presented in Appendix K.1

4.4.3. Geomembrane Fusion Seaming

Double-wedge fusion welding was the primary method of geomembrane seaming for the VLF2 Phase 3 Stage A.1 project. Prior to fusion welding activities, trial welds were performed for each welding machine and welding technician combination for each type of geomembrane. The fusion welding trial seam logs for 100-mil secondary, 100-mil primary, and 80-mil geomembrane are presented in Appendices I.2.1, J.2.1 and K.2.1, respectively. The weld was inspected constantly for insufficient overlap, burnouts, or any other damage caused during the welding process. The CQA Monitor logged the welding machine and welding technician combination, the length of the seam, the direction the seam was welded, time of seaming, the welding machine temperature, and the welding machine speed. Destructive test samples were marked during fusion seaming and are discussed further in Section 3.4.5. Continuity conformance of the seam was also performed using pressure testing methods and is discussed further in Section 3.4.6. The geomembrane fusion welding summaries for secondary 100-mil, primary 100-mil, and 80-mil LLDPE geomembrane are presented in Appendices I.3, J.3, and K.3, respectively.

4.4.4. Geomembrane Extrusion Seaming

Extrusion seaming was primarily used to tie in the 80-mil LLDPE to the 100-mil LLDPE at the 10,000 foot elevation bench of the PSSA, and to tie in the Phase 3 80-mil geomembrane to the Phase 2 geomembrane on the southern boundary of the 2022 certification limits. Some extrusion seaming was also used within the PSSA as a secondary method to double-wedge fusion welding.

Any damage caused to the existing geomembrane at the Phase 2 tie-in as it was exposed was repaired by extending the overlap of new liner or by completely covering the damaged area with a patch. Prior to extrusion seaming activities, trial welds were performed for each welding machine and welding technician combination for each type of geomembrane. The trial seam logs are presented in Appendix I.2.2, J.2.2 and K.2.2. As extrusion seaming was performed, proper techniques were verified including welding angle, grinding, and weld/welding rod cleanliness. The CQA Monitor logged the welding machine and welding technician combination, the length of the seam, the direction the seam was welded, time of seaming, the pre-heat temperature, and the welding temperature. Destructive test samples were marked during extrusion seaming and testing is discussed further in Section 3.4.5. All extrusion welded seams were vacuum tested, which is discussed further in Section 3.4.7. Extrusion welding summaries for secondary, primary, and 80-mil geomembrane are presented in Appendices I.4, J.4, and K.4, respectively.

4.4.5. Geomembrane Destructive Testing

During welding activities destructive test samples were marked at a minimum every 500 linear feet of seam for each welding type and each welding machine/welding technician combination. A 36-inch long by 12-inch-wide sample was cut from the seam centered on the seam lengthwise. The sample was then cut into three 12-inch-long sections. Two 12-inch-long sections were archived by the CQA Monitor to be tested later, if necessary. Ten 1-inch coupons were then cut from the remaining 12-inch section. Five coupons were tested for shear strength and five coupons were tested for peel strength using a tensiometer. The different failure types and test codes for fusion and extrusion destructive testing are presented on Figures 3 and 4, respectively. All destructive testing was performed by Tetra Tech in the presence of the CQA Monitor. Within the PSSA, 69 fusion (Appendix I.5.1) and 6 extrusion (Appendix I.5.2) destructive samples were tested on secondary geomembrane and passed. On primary geomembrane, 67 fusion (Appendix J.5.1) and 10 extrusion (Appendix J.5.2) destructive samples were tested and passed. On 80-mil geomembrane, 49 fusion (Appendix K.5.1) and 19 extrusion (Appendix K.5.2) destructive samples were tested and passed. Tensiometer certifications can be found in Appendix O.

4.4.6. Geomembrane Pressure Testing

Pressure testing was performed to ensure all fusion welded seams had continuity throughout their entire length. The ends of the seam were sealed and the air channel in the seam was pressurized using a small air compressor to a minimum of 30 pounds per square inch (psi), for a minimum of five minutes. A pressure gauge and needle were used to monitor the air pressure in the seam. If the pressure dropped less than 3 psi, the

opposite end of the seam from the pressure gauge was cut. If the needle dropped, continuity was confirmed throughout entire seam length and the test was considered "passing." If a pressure drop of more than 3 psi occurred or the continuity was not proven, smaller sections of the seam were tested to delineate the failing section of the seam. All failing seams or portions of seams were repaired, and vacuum tested. Air pressure testing summaries for secondary, primary, and 80-mil geomembrane are presented in Appendices I.6, J.6 and K.6, respectively.

4.4.7. Geomembrane Defects and Repairs

The CQA Monitor constantly inspected the geomembrane for defects from the time it was deployed until it was covered with DCF. A defect is defined as any item in which a repair is necessary to create a continuously sealed geomembrane layer. All defects were marked with a defect number by the CQA Monitor. Repairs were performed using the extrusion welding method and patches extended at least 6 inches beyond the defect in all directions.

All repairs and extrusion welded seams were non-destructively tested using a vacuum box. The area being tested was covered in soapy water and the vacuum box was sealed to the geomembrane. A vacuum was pulled over the area for at least 10 seconds and if no bubbles were present, the test passed. If bubbles were present, the area failed and was marked as a defect. The repair process would then be repeated for the failing vacuum test. Vacuum tests overlapped each other by a minimum of 3 inches. The secondary and primary geomembrane defect/repair summaries, including vacuum testing logs, are presented in Appendices I.7 and J.7, respectively. The 80-mil defect/repair summary is presented in Appendix K.7.

4.4.8. Geomembrane Acceptance

Prior to LVSCF and DCF placement, the geomembrane was accepted by Tetra Tech, JHL, CC&V, and the CQA Monitor. All CQA logs and survey data were thoroughly reviewed ensuring that all aspects of the geomembrane installation were performed in accordance with project Technical Specifications. PSSA Geomembrane Acceptance Forms are presented in Appendices I.8 and J.8. The 80-mil geomembrane acceptance form is presented in Appendix K.8.

5. PROJECT DEVIATIONS

Throughout construction, the following deviations from the Design and IFC Drawings were approved by the Engineer of Record:

- 40-mil HDPE smooth geomembrane was substituted for 40-mil LLDPE smooth geomembrane in the leak detection trench.
- A 30-inch diameter DR17 perforated HDPE pipe was substituted for the 28-inch diameter DR11 perforated HDPE pipe on the High Volume Solution Collection Header, as shown on Detail 5 on IFC drawing A450.
- A 36-inch diameter DR17 HDPE pipe was substituted for the 36-inch DR21 HDPE pipe on the High Volume Solution Collection Header, as shown on Detail 5 on IFC drawing A450.
- The elevation of the Stage A Perimeter Road was raised by 6 feet to accommodate the as-built surface of the Yas Marina geogrid. The alignment was adjusted outward to accommodate the west edge of the PSSA.
- Three four-inch perforated CPeP were added to the spillway between Phase 2 and Phase 3.
- The grading of the Stage A.1 was modified to better match the as-built Schist Island pit conditions. The as-built is reflected in the record of construction drawings and meets the intent of the original design.
- The bottom elevation of the PSSA was lowered by 3 feet, from 9933 feet to 9930 feet as measured to the secondary layer of geomembrane in the sump.
- The 10,000’ bench of the PSSA was widened from 15 feet to 24 feet for better constructability.
- Several localized HVSCS alignment changes were made throughout construction to better accommodate the actual site conditions. The alignment changes were minor and as such are not highlighted in the Record of Construction Drawings.

6. ENGINEER’S OPINION

Based on the construction activities observed, testing performed, and inspections completed, NewFields certifies that the project was constructed in general accordance with the approved IFC Drawings and Technical Specifications.

FINAL CERTIFICATION

VALLEY LEACH FACILITY 2
QUALITY ASSURANCE
PHASE 3 STAGE A.1 COMPLETION AREA
TELLER COUNTY, COLORADO

I, Jay N. Janney-Moore, a registered professional engineer in the State of Colorado, hereby certify that the construction of the VLF2 Phase 3 Stage A.1 Completion Area, as outlined in Figure 2, was completed in compliance with the drawings and project Technical Specifications approved as part of Permit Number M-1980-244, Amendment No. 10 as well as subsequent changes approved by the Office of Mined Land Reclamation.

NewFields Mining Design & Technical Services,

Jay N. Janney-Moore, PE

CO PE No. 37571

Table 1
Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Summary of Earthworks Material Specifications

Material	Plasticity Index	Permeability (cm/s)	Grain Size Distribution	
			Sieve Size	Percent Passing
Structural Fill (SF) (HCBF)	30 Maximum	N/A[2]	24 inch	100
			8-inch	40-100
			No. 200	0-25
Select Structural Fill (SSF)	N/A	N/A	3 inch	100
Leak Detection Fill (LDF)	NP[1]	N/A	1 inch	100
			3/8 inch	40-70
			No. 4	5-50
			No. 40	0-20
			No. 200	0-10
Soil Liner Fill (SLF)	10 Minimum	1×10^{-6}	2 inch	100
			No. 200	15-65
Low Volume Solution Collection Fill (LVSCF)	NP	N/A	1 inch	100
			3/8 inch	40-70
			No. 4	5-55
			No. 200	0-10
Drain Cover Fill (DCF)	NP	N/A	1 1/2 inch	100
			3/4 inch	70-100
			No. 4	5-55
			No. 200	0-10
Drain Cover Fill- Crushed Ore	NP	N/A	3 inch	100
			2 inch	97-100
			3/4 inch	40-100
			No. 4	5-35
			No. 200	0-8
Select Drain Cover Fill (SDCF)	NP	N/A	1 1/2 inch	100
			3/4 inch	70-100
			No. 4	5-55
			No. 200	0-10

Note:
1. NP - Non Plastic
2. N/A - Not Applicable

Table 2
Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Earthworks Testing Summary and Frequency

Material Quantity Number of Tests Test Frequency	Material							
	Structural Fill (HCBF)	Structural Fill (SF)	Select Structural Fill (SSF)	Leak Detection Fill (LDF)	Soil Liner Fill (SLF)	Low Volume Solution Collection Fill (LVSCF)	Drain Cover Fill (DCF & DCFO)	Select Drain Cover Fill (SDCF)
Quantity of Material Placed (cy)	883,816	21,522	10,282	23	33,845	59,831	67,685	300
Particle Size Tests Performed	22	1	2	1	17	9	10	1
Specified Particle Size Test Frequency	50,000	50,000	50,000	10,000	4,000	10,000	20,000	10,000
Actual Particle Size Test Frequency	40,173	21,522	5,141	23	1,991	6,648	6,769	300
Atterberg Limit Tests Performed	1	1	2	1	17	9	10	1
Specified Atterberg Limit Test Frequency	50,000	50,000	50,000	10,000	4,000	10,000	20,000	10,000
Actual Atterberg Limit Test Frequency	40,173	21,522	5,141	23	1,991	6,648	6,769	300
Laboratory Compaction Tests Performed	See Note 1	See Note 1	See Note 1	N/A	17	N/A	N/A	N/A
Specified Compaction Test Frequency	N/A	N/A	N/A	N/A	4,000	N/A	N/A	N/A
Actual Compaction Test Frequency	N/A	N/A	N/A		1,991			
Permeability Tests Performed	N/A	N/A	N/A	N/A	17	N/A	N/A	N/A
Specified Permeability Test Frequency	N/A	N/A	N/A	N/A	4,000	N/A	N/A	N/A
Actual Permeability Test Frequency					1,991			
Moisture Content Tests Performed	See Note 1	See Note 1	See Note 1	N/A	87	N/A	N/A	N/A
Specified Moisture Content Test Frequency	2,000	2,000	2,000	N/A	500	N/A	N/A	N/A
Actual Moisture Content Test Frequency	See Note 1	See Note 1	See Note 1		389			
Field Nuclear Density Tests Performed	See Note 1	See Note 1	See Note 1	N/A	87	N/A	N/A	N/A
Specified Nuclear Density Test Frequency	2,000	2,000	2,000	N/A	500	N/A	N/A	N/A
Actual Nuclear Density Test Frequency	See Note 1	See Note 1	See Note 1		389			
Field Depth Verification Tests Performed	N/A	N/A	N/A	N/A	87	N/A	N/A	N/A
Specified Depth Verification Test Frequency	N/A	N/A	N/A	N/A	2.0 test/ac	N/A	N/A	N/A
Actual Depth Verification Test Frequency					4			

Notes:

1. The method of compaction technique was used in accordance with the project technical specifications due to the large particle size.
2. All frequencies are based on quantities in cubic yards unless stated otherwise
3. N/A = Not Applicable

Table 11
Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Nuclear Gauge Moisture-Density Testing Summary - Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION		DEPTH (in)	LABORATORY			FIELD				PASS/FAIL
		NORTHING	EASTING		SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
SLF-1-D	7/22/2022	59,323	35,959	10	SLF-25-R	115.6	12.9	113.2	13.5	95	97.9	PASS
SLF-2-D	7/22/2022	59,367	35,967	10	SLF-25-R	115.6	12.9	113.4	14.1	95	98.1	PASS
SLF-3-D	7/22/2022	59,394	35,990	10	SLF-25-R	115.6	12.9	115.2	13.0	95	99.7	PASS
SLF-4-D	7/25/2022	59,398	35,908	10	SLF-25-R	115.6	12.9	113.5	12.5	95	98.2	PASS
SLF-5-D	7/25/2022	59,431	35,930	10	SLF-25-R	115.6	12.9	114.8	12.4	95	99.3	PASS
SLF-6-D	7/25/2022	59,467	35,940	10	SLF-25-R	115.6	12.9	114.1	12.4	95	98.7	PASS
SLF-7-D	7/25/2022	59,500	35,931	10	SLF-25-R	115.6	12.9	115.1	12.9	95	99.6	PASS
SLF-8-D	7/25/2022	59,473	35,868	10	SLF-25-R	115.6	12.9	113.7	12.9	95	98.4	PASS
SLF-9-D	7/26/2022	59,553	35,780	10	SLF-25-R	115.6	12.9	115.3	14.6	95	99.7	PASS
SLF-10-D	7/26/2022	59,606	35,768	10	SLF-25-R	115.6	12.9	112.7	14.2	95	97.5	PASS
SLF-11-D	7/26/2022	59,660	35,775	10	SLF-25-R	115.6	12.9	115.6	14.3	95	100.0	PASS
SLF-12-D	7/26/2022	59,134	36,028	10	SLF-25-R	115.6	12.9	113.4	12.7	95	98.1	PASS
SLF-13-D	7/26/2022	59,147	35,956	10	SLF-25-R	115.6	12.9	112.8	12.9	95	97.6	PASS
SLF-14-D	7/29/2022	59,606	35,727	10	SLF-25-R	115.6	12.9	115.5	12.3	95	99.9	PASS
SLF-15-D	7/29/2022	59,639	35,739	10	SLF-25-R	115.6	12.9	115.3	13.1	95	99.7	PASS
SLF-16-D	8/1/2022	59,797	35,583	10	SLF-25-R	115.6	12.9	115.1	12.3	95	99.6	PASS
SLF-17-D	8/1/2022	59,858	35,534	10	SLF-25-R	115.6	12.9	115.6	13.9	95	100.0	PASS
SLF-18-D	8/1/2022	59,840	35,497	10	SLF-25-R	115.6	12.9	114.9	15.0	95	99.4	PASS
SLF-19-D	8/2/2022	59,708	35,550	10	SLF-25-R	115.6	12.9	115.4	14.1	95	99.8	PASS
SLF-20-D	8/2/2022	59,691	35,513	10	SLF-25-R	115.6	12.9	115.4	14.5	95	99.8	PASS
SLF-21-D	8/2/2022	59,682	35,463	10	SLF-25-R	115.6	12.9	110.7	14.6	95	95.8	PASS
SLF-22-D	8/2/2022	59,624	35,539	10	SLF-25-R	115.6	12.9	114.9	14.7	95	99.4	PASS
SLF-23-D	8/4/2022	59,224	35,902	10	SLF-25-R	115.6	12.9	115.4	14.4	95	99.8	PASS
SLF-24-D	8/4/2022	59,348	35,854	10	SLF-25-R	115.6	12.9	115.3	14.3	95	99.7	PASS
SLF-25-D	8/4/2022	59,428	35,816	10	SLF-25-R	115.6	12.9	114.9	12.1	95	99.4	PASS
SLF-26-D	8/4/2022	59,524	35,715	10	SLF-25-R	115.6	12.9	114.2	11.9	95	98.8	PASS
SLF-27-D	8/4/2022	59,614	35,621	10	SLF-25-R	115.6	12.9	113.6	12.4	95	98.3	PASS
SLF-28-D	8/4/2022	59,518	35,560	10	SLF-25-R	115.6	12.9	113.9	13.5	95	98.5	PASS
SLF-29-D	8/4/2022	59,455	35,671	10	SLF-25-R	115.6	12.9	112.2	13.9	95	97.1	PASS
SLF-30-D	8/4/2022	59,341	35,763	10	SLF-25-R	115.6	12.9	111.9	12.8	95	96.8	PASS
SLF-31-D	8/5/2022	59,528	35,342	10	SLF-25-R	115.6	12.9	114.9	11.6	95	99.4	PASS
SLF-32-D	8/5/2022	59,558	35,297	10	SLF-25-R	115.6	12.9	114.8	11.9	95	99.3	PASS

Table 11
Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Nuclear Gauge Moisture-Density Testing Summary - Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION		DEPTH (in)	LABORATORY			FIELD				PASS/FAIL
		NORTHING	EASTING		SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
SLF-33-D	8/5/2022	59,598	35,234	10	SLF-25-R	115.6	12.9	115.4	12.7	95	99.8	PASS
SLF-34-D	8/11/2022	59,156	35,858	10	SLF-25-R	115.6	12.9	112.7	14.8	95	97.5	PASS
SLF-35-D	8/11/2022	59,131	35,819	10	SLF-25-R	115.6	12.9	113.1	13.8	95	97.8	PASS
SLF-36-D	8/11/2022	59,229	35,764	10	SLF-25-R	115.6	12.9	115.5	13.1	95	99.9	PASS
SLF-37-D	8/11/2022	59,207	35,679	10	SLF-25-R	115.6	12.9	115.3	13.6	95	99.7	PASS
SLF-38-D	8/11/2022	59,348	35,658	10	SLF-25-R	115.6	12.9	115.5	12.9	95	99.9	PASS
SLF-39-D	8/12/2022	59,428	35,234	10	SLF-25-R	115.6	12.9	115.5	12.9	95	99.9	PASS
SLF-40-D	8/12/2022	59,386	35,191	10	SLF-25-R	115.6	12.9	115.4	12.4	95	99.8	PASS
SLF-41-D	8/12/2022	59,336	35,164	10	SLF-25-R	115.6	12.9	114.8	13.9	95	99.3	PASS
SLF-42-D	8/12/2022	59,371	35,261	10	SLF-25-R	115.6	12.9	115.2	14.0	95	99.7	PASS
SLF-43-D	8/12/2022	59,296	35,296	10	SLF-25-R	115.6	12.9	113.2	14.2	95	97.9	PASS
SLF-44-D	8/12/2022	59,373	35,343	10	SLF-25-R	115.6	12.9	115.5	11.9	95	99.9	PASS
SLF-45-D	8/13/2022	59,264	35,499	10	SLF-25-R	115.6	12.9	115.6	12.3	95	100.0	PASS
SLF-46-D	8/13/2022	59,208	35,513	10	SLF-25-R	115.6	12.9	110.3	13.8	95	95.4	PASS
SLF-47-D	8/13/2022	59,480	35,307	10	SLF-25-R	115.6	12.9	115.6	13.6	95	100.0	PASS
SLF-48-D	8/13/2022	59,425	35,335	10	SLF-25-R	115.6	12.9	110.5	13.6	95	95.6	PASS
SLF-49-D	8/13/2022	59,413	35,408	10	SLF-25-R	115.6	12.9	114.9	12.4	95	99.4	PASS
SLF-50-D	8/13/2022	59,455	35,439	10	SLF-25-R	115.6	12.9	115.0	11.6	95	99.5	PASS
SLF-51-D	8/18/2022	59,149	35,503	10	SLF-25-R	115.6	12.9	110.5	15.3	95	95.6	PASS
SLF-52-D	8/18/2022	59,327	35,522	10	SLF-25-R	115.6	12.9	115.3	14.0	95	99.7	PASS
SLF-53-D	8/18/2022	59,255	35,573	10	SLF-25-R	115.6	12.9	115.5	13.5	95	99.9	PASS
SLF-54-D	8/19/2022	59,124	35,679	10	SLF-25-R	115.6	12.9	115.1	13.1	95	99.6	PASS
SLF-55-D	8/19/2022	59,047	35,642	10	SLF-25-R	115.6	12.9	115.6	13.2	95	100.0	PASS
SLF-56-D	8/19/2022	59,019	35,756	10	SLF-25-R	115.6	12.9	114.5	13.0	95	99.0	PASS
SLF-57-D	9/8/2022	59,412	35,301	10	SLF-25-R	115.6	12.9	111.8	15.8	95	96.7	PASS
SLF-58-D	9/8/2022	59,483	35,311	10	SLF-25-R	115.6	12.9	110.9	15.6	95	95.9	PASS
SLF-59-D	10/4/2022	58,889	34,714	10	SLF-25-R	115.6	12.9	115.6	11.7	95	100.0	PASS
SLF-60-D	10/4/2022	58,860	34,805	10	SLF-25-R	115.6	12.9	112.7	11.8	95	97.5	PASS
SLF-61-D	10/4/2022	58,911	34,787	10	SLF-25-R	115.6	12.9	115.0	11.3	95	99.5	PASS
SLF-62-D	10/4/2022	58,903	34,858	10	SLF-25-R	115.6	12.9	112.2	11.0	95	97.1	PASS
SLF-63-D	10/4/2022	58,861	34,932	10	SLF-25-R	115.6	12.9	115.5	11.9	95	99.9	PASS
SLF-64-D	10/4/2022	58,882	35,027	10	SLF-25-R	115.6	12.9	115.2	12.3	95	99.7	PASS

Table 11
Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Nuclear Gauge Moisture-Density Testing Summary - Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION		DEPTH (in)	LABORATORY			FIELD				PASS/FAIL
		NORTHING	EASTING		SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	MOISTURE CONTENT (%)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
SLF-65-D	10/4/2022	58,851	35,097	10	SLF-25-R	115.6	12.9	112.8	11.5	95	97.6	PASS
SLF-66-D	10/5/2022	58,794	35,279	10	SLF-25-R	115.6	12.9	115.5	12.1	95	100	PASS
SLF-67-D	10/5/2022	58,835	35,299	10	SLF-25-R	115.6	12.9	112.1	11.5	95	97	PASS
SLF-68-D	10/5/2022	58,794	35,220	10	SLF-25-R	115.6	12.9	109.9	11.1	95	95	PASS
SLF-69-D	10/5/2022	58,915	35,227	10	SLF-25-R	115.6	12.9	115.3	13.2	95	100	PASS
SLF-70-D	10/5/2022	59,022	35,332	10	SLF-25-R	115.6	12.9	115.5	11.5	95	100	PASS
SLF-71-D	10/5/2022	58,942	35,163	10	SLF-25-R	115.6	12.9	115.0	11.8	95	99	PASS
SLF-72-D	10/5/2022	58,830	35,176	10	SLF-25-R	115.6	12.9	115.6	11.6	95	100	PASS
SLF-73-D	10/5/2022	59,128	35,237	10	SLF-25-R	115.6	12.9	113.9	13.4	95	99	PASS
SLF-74-D	10/5/2022	59,113	35,343	10	SLF-25-R	115.6	12.9	113.6	13.9	95	98	PASS
SLF-75-D	10/7/2022	59,778	35,453	10	SLF-25-R	115.6	12.9	112.5	11.7	95	97	PASS
SLF-76-D	10/7/2022	59,773	35,378	10	SLF-25-R	115.6	12.9	115.0	11.2	95	99	PASS
SLF-77-D	10/7/2022	59,786	35,301	10	SLF-25-R	115.6	12.9	115.3	11.9	95	100	PASS
SLF-78-D	10/7/2022	59,756	35,314	10	SLF-25-R	115.6	12.9	115.5	11.0	95	100	PASS
SLF-79-D	10/17/2022	59,654	35,179	10	SLF-25-R	115.6	12.9	110.9	12.0	95	96	PASS
SLF-80-D	10/17/2022	59,562	35,112	10	SLF-25-R	115.6	12.9	115.6	11.5	95	100	PASS
SLF-81-D	10/17/2022	59,377	35,053	10	SLF-25-R	115.6	12.9	115.0	12.0	95	99	PASS
SLF-82-D	10/17/2022	59,294	35,027	10	SLF-25-R	115.6	12.9	116.0	11.9	95	100	PASS
SLF-83-D	10/19/2022	58,780	35,396	10	SLF-25-R	115.6	12.9	115.5	11.2	95	100	PASS
SLF-84-D	10/19/2022	58,807	35,458	10	SLF-25-R	115.6	12.9	115.1	11.0	95	100	PASS
SLF-85-D	10/19/2022	58,902	35,538	10	SLF-25-R	115.6	12.9	115.0	10.9	95	99	PASS
SLF-86-D	10/19/2022	58,930	35,466	10	SLF-25-R	115.6	12.9	114.5	12.0	95	99	PASS
SLF-87-D	10/19/2022	59,057	35,454	10	SLF-25-R	115.6	12.9	111.0	11.1	95	96	PASS
SLF-88-D	10/19/2022	59,020	35,529	10	SLF-25-R	115.6	12.9	116.0	11.5	95	100	PASS
SLF-89-D	10/19/2022	58,974	35,557	10	SLF-25-R	115.6	12.9	111.7	11.8	95	97	PASS

Table 12
Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Soil Liner Fill Depth Verification Summary

DATE	SAMPLE NUMBER	DEPTH (IN)	LOCATION		ELEVATION (FT)	REQUIRED DEPTH (IN)	PASS/FAIL
			NORTHING	EASTING			
7/22/2022	SLF-1-D	14	59,323	35,959	FG	12	PASS
7/22/2022	SLF-2-D	14	59,367	35,967	FG	12	PASS
7/22/2022	SLF-3-D	13	59,394	35,990	FG	12	PASS
7/25/2022	SLF-4-D	14	59,398	35,908	FG	12	PASS
7/25/2022	SLF-5-D	15	59,431	35,930	FG	12	PASS
7/25/2022	SLF-6-D	17	59,467	35,940	FG	12	PASS
7/25/2022	SLF-7-D	15	59,500	35,931	FG	12	PASS
7/25/2022	SLF-8-D	14	59,473	35,868	FG	12	PASS
7/26/2022	SLF-9-D	14	59,553	35,780	FG	12	PASS
7/26/2022	SLF-10-D	15	59,606	35,768	FG	12	PASS
7/26/2022	SLF-11-D	16	59,660	35,775	FG	12	PASS
7/26/2022	SLF-12-D	12	59,134	36,028	FG	12	PASS
7/26/2022	SLF-13-D	14	59,147	35,956	FG	12	PASS
7/29/2022	SLF-14-D	17	59,606	35,727	FG	12	PASS
7/29/2022	SLF-15-D	16	59,639	35,739	FG	12	PASS
8/1/2022	SLF-16-D	14	59,797	35,583	FG	12	PASS
8/1/2022	SLF-17-D	14	59,858	35,534	FG	12	PASS
8/1/2022	SLF-18-D	14	59,840	35,497	FG	12	PASS
8/2/2022	SLF-19-D	15	59,708	35,550	FG	12	PASS
8/2/2022	SLF-20-D	15	59,691	35,513	FG	12	PASS
8/2/2022	SLF-21-D	14	59,682	35,463	FG	12	PASS
8/2/2022	SLF-22-D	14	59,624	35,539	FG	12	PASS
8/4/2022	SLF-23-D	14	59,224	35,902	FG	12	PASS
8/4/2022	SLF-24-D	15	59,348	35,854	FG	12	PASS
8/4/2022	SLF-25-D	15	59,428	35,816	FG	12	PASS
8/4/2022	SLF-26-D	15	59,524	35,715	FG	12	PASS
8/4/2022	SLF-27-D	15	59,614	35,621	FG	12	PASS
8/4/2022	SLF-28-D	14	59,518	35,560	FG	12	PASS
8/4/2022	SLF-29-D	15	59,455	35,671	FG	12	PASS
8/4/2022	SLF-30-D	16	59,341	35,763	FG	12	PASS
8/5/2022	SLF-31-D	14	59,528	35,342	FG	12	PASS
8/5/2022	SLF-32-D	16	59,558	35,297	FG	12	PASS
8/5/2022	SLF-33-D	13	59,598	35,234	FG	12	PASS
8/11/2022	SLF-34-D	16	59,156	35,858	FG	12	PASS
8/11/2022	SLF-35-D	16	59,131	35,819	FG	12	PASS
8/11/2022	SLF-36-D	15	59,229	35,764	FG	12	PASS
8/11/2022	SLF-37-D	13	59,207	35,679	FG	12	PASS
8/11/2022	SLF-38-D	14	59,348	35,658	FG	12	PASS
8/12/2022	SLF-39-D	13	59,428	35,234	FG	12	PASS

Table 12
Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Soil Liner Fill Depth Verification Summary

DATE	SAMPLE NUMBER	DEPTH (IN)	LOCATION		ELEVATION (FT)	REQUIRED DEPTH (IN)	PASS/FAIL
			NORTHING	EASTING			
8/12/2022	SLF-40-D	16	59,386	35,191	FG	12	PASS
8/12/2022	SLF-41-D	14	59,336	35,164	FG	12	PASS
8/12/2022	SLF-42-D	16	59,371	35,261	FG	12	PASS
8/12/2022	SLF-43-D	13	59,296	35,296	FG	12	PASS
8/12/2022	SLF-44-D	13	59,373	35,343	FG	12	PASS
8/13/2022	SLF-45-D	15	59,264	35,499	FG	12	PASS
8/13/2022	SLF-46-D	15	59,208	35,513	FG	12	PASS
8/13/2022	SLF-47-D	16	59,480	35,307	FG	12	PASS
8/13/2022	SLF-48-D	16	59,425	35,335	FG	12	PASS
8/13/2022	SLF-49-D	14	59,413	35,408	FG	12	PASS
8/13/2022	SLF-50-D	15	59,455	35,439	FG	12	PASS
8/18/2022	SLF-51-D	14	59,149	35,503	FG	12	PASS
8/18/2022	SLF-52-D	14	59,327	35,522	FG	12	PASS
8/18/2022	SLF-53-D	16	59,255	35,573	FG	12	PASS
8/19/2022	SLF-54-D	14	59,124	35,679	FG	12	PASS
8/19/2022	SLF-55-D	13	59,047	35,642	FG	12	PASS
8/19/2022	SLF-56-D	13	59,019	35,756	FG	12	PASS
9/8/2022	SLF-57-D	17	59,412	35,301	FG	12	PASS
9/8/2022	SLF-58-D	18	59,483	35,311	FG	12	PASS
10/4/2022	SLF-59-D	16	58,889	34,714	FG	12	PASS
10/4/2022	SLF-60-D	16	58,860	34,805	FG	12	PASS
10/4/2022	SLF-61-D	16	58,911	34,787	FG	12	PASS
10/4/2022	SLF-62-D	16	58,903	34,858	FG	12	PASS
10/4/2022	SLF-63-D	16	58,861	34,932	FG	12	PASS
10/4/2022	SLF-64-D	16	58,882	35,027	FG	12	PASS
10/4/2022	SLF-65-D	15	58,851	35,097	FG	12	PASS
10/5/2022	SLF-66-D	15	58,794	35,279	FG	12	PASS
10/5/2022	SLF-67-D	16	58,835	35,299	FG	12	PASS
10/5/2022	SLF-68-D	16	58,794	35,220	FG	12	PASS
10/5/2022	SLF-69-D	16	58,915	35,227	FG	12	PASS
10/5/2022	SLF-70-D	16	59,022	35,332	FG	12	PASS
10/5/2022	SLF-71-D	16	58,942	35,163	FG	12	PASS
10/5/2022	SLF-72-D	16	58,830	35,176	FG	12	PASS
10/5/2022	SLF-73-D	16	59,128	35,237	FG	12	PASS
10/5/2022	SLF-74-D	16	59,113	35,343	FG	12	PASS
10/7/2022	SLF-75-D	14	59,778	35,453	FG	12	PASS
10/7/2022	SLF-76-D	14	59,773	35,378	FG	12	PASS
10/7/2022	SLF-77-D	16	59,786	35,301	FG	12	PASS
10/7/2022	SLF-78-D	14	59,756	35,314	FG	12	PASS
10/17/2022	SLF-79-D	14	59,654	35,179	FG	12	PASS
10/17/2022	SLF-80-D	14	59,562	35,112	FG	12	PASS
10/17/2022	SLF-81-D	15	59,377	35,053	FG	12	PASS
10/17/2022	SLF-82-D	16	59,294	35,027	FG	12	PASS
10/19/2022	SLF-83-D	16	58,780	35,396	FG	12	PASS
10/19/2022	SLF-84-D	16	58,807	35,458	FG	12	PASS
10/19/2022	SLF-85-D	16	58,902	35,538	FG	12	PASS
10/19/2022	SLF-86-D	15	58,930	35,466	FG	12	PASS
10/19/2022	SLF-87-D	16	59,057	35,454	FG	12	PASS
10/19/2022	SLF-88-D	16	59,020	35,529	FG	12	PASS
10/19/2022	SLF-89-D	17	58,974	35,557	FG	12	PASS

Table 4
Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2
Phase 3 Stage A.1 Record of Construction
CQA Earthworks Testing Summary - Structural Fill (High Compaction Backfill)

SAMPLE NUMBER	DATE SAMPLED			ELEVATION (FT)	GRAIN SIZE DISTRIBUTION - PERCENT PASSING																		USCS	ATTERBERG LIMITS		
					24.0"	18.0"	12.0"	4.0"	3.0"	2.0"	1.5"	1.0"	0.75"	0.5"	0.375"	#4	#10	#16	#40	#50	#100	#200		PLASTIC LIMIT	LIQUID LIMIT	PLASTIC INDEX
					SPECIFICATION - PERCENT PASSING																			SPECIFICATION		
		NORTHING	EASTING		100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0-25		-	-	30 MAX.
HCBF-1-R	10/20/21	59,945.0	35,520.0	9,900.0	100	100	94	55.4	45.7	38.5	34.6	28.1	20.4	15.9	13.1	11.8	9	8.4	7.8	7.6	7.1	5	GW-GM	NP	NV	NP
HCBF-2-R	11/03/21	59,480.0	35,280.0	9,905.0	100	92.7	84.5	51	42.8	35.1	29.9	25.6	20.6	14.3	9.7	7.1	5.8	5	5	4.8	4.7	4.5	GW-GM	NP	NV	NP
HCBF-3-R	11/04/21	59,320.0	35,600.0	9,910.0	100	86.5	65.1	45	40.7	34.8	29.4	23.2	19.2	12.9	10.2	8.6	7.3	6	4.3	2.9	2.8	2.2	GP-GM	NP	NV	NP
HCBF-4-R	11/04/21	59,760.0	35,550.0	9,910.0	100	100	94.6	78.1	70.5	51.9	40.8	29.9	22.6	18	15.7	13.6	10.6	9	7.8	6.5	5.7	4.3	GP-GM	NP	NV	NP
HCBF-5-R	11/12/21	59,455.0	35,300.0	9,915.0	100	100	100	90.3	80.6	68.5	55.8	47.9	40.8	32.9	21.9	12.8	10.2	9.4	8.1	7	5.8	4.6	GW-GC	18	26	8
HCBF-6-R	11/17/21	59,250.0	35,350.0	9,920.0	100	100	86.8	50.9	39.1	30.7	25	19.7	13.2	10	8.6	7	6.8	5.9	5.5	5.3	5.1	4.5	GW-GM	NP	NV	NP
HCBF-7-R	11/18/21	59,150.0	35,660.0	9,920.0	100	100	84.2	60.8	51.5	40.3	34.9	25	18.6	11.9	9.1	7.4	3.6	2.9	2.7	2.6	2.6	2.4	GP	NP	NV	NP
HCBF-8-R	11/22/21	59,440.0	35,220.0	9,925.0	100	100	86.8	70.2	64.8	55.9	47.6	40.5	38.7	31.8	25.3	15.9	12	9.5	8.7	8.2	7	6.4	GW-GM	NP	NV	NP
HCBF-9-R	11/22/21	59,200.0	35,600.0	9,925.0	100	84.3	70.9	60.1	51.8	44.7	35	28.9	25.8	22.9	19.4	16.8	11.3	8.2	6.9	6.3	6.2	6.2	GP-GM	NP	NV	NP
HCBF-10-R	12/03/21	59,780.0	35,625.0	9,930.0	100	95.2	90.8	73.8	60.3	52.1	46	40.5	37.7	32.5	25	19.8	16.6	13	11.7	9.2	8	7.4	GC-GM	19	25	6
HCBF-11-R	12/03/21	59,170.0	35,855.0	9,935.0	100	100	88.1	70.9	64.5	56.7	50.6	44.1	38.9	34.5	28.9	24.9	20.3	19	15.6	11.8	9.5	6	GP-GM	NP	NV	NP
HCBF-12-R	12/08/21	59,600.0	35,780.0	9,945.0	100	100	95.6	86.3	80.9	75.1	70.6	61.4	53.8	44.3	34.3	19.7	15.8	10.6	7.2	6	5.4	4	GW	NP	NV	NP
HCBF-13-R	12/09/21	59,250.0	35,520.0	9,945.0	100	93.9	85.7	61	55.3	49.6	45.8	40.5	34.8	29.6	25.3	22.2	18.6	15.7	11.4	7.9	5	4.2	GP-GM	NP	NV	NP
HCBF-14-R	12/14/21	59,175.0	35,590.0	9,950.0	100	89.6	89.6	70.7	62.8	57.3	50.5	42.3	35.1	30.9	25.6	20.1	14	10.7	8.5	8	7.4	6.9	GW-GC	18	25	7
HCBF-15-R	12/16/21	59,615.0	35,380.0	9,955.0	100	100	96.8	76.5	65.9	40.9	28.5	22.1	16.4	10.9	9	6.9	5.2	3	1.6	1.4	1.4	1.3	GW	NP	NV	NP
HCBF-16-R	12/16/21	59,850.0	35,600.0	9,955.0	100	100	86.5	49.3	38.9	30.4	25.8	20	16.4	11.6	9.1	6.2	4.7	2.6	1.5	0.9	0.7	0.7	GW	NP	NV	NP
HCBF-17-R	01/05/22	59,220.0	36,000.0	9,970.0	100	100	84.6	61.8	56.2	49.8	45.6	30.9	23.8	18.6	15	13.5	11.7	8.4	5.6	4	2.1	1.5	GP	NP	NV	NP
HCBF-18-R	01/17/22	59,280.0	35,265.0	9,975.0	100	100	97.8	74	68.9	64.5	59.4	55	49.7	43.8	38.9	35.1	28.1	20.4	14.8	9.7	6.8	4.2	GP-GM	NP	NV	NP
HCBF-19-R	01/18/22	59,540.0	35,080.0	9,980.0	100	82.3	82.3	59.9	54.9	49.7	44.1	38.9	35.2	30.8	24.9	20.7	15.9	10.6	7.2	4.5	2.8	1.5	GW	NP	NV	NP
HCBF-20-R	02/04/22	59,300.0	35,280.0	9,995.0	100	93.4	85.7	68.4	62.4	56.8	51.8	40.9	33.8	28.3	22.8	18.6	12.5	9.1	6.7	4	2.9	1.7	GW	21	29	8
HCBF-21-R	02/07/22	59,520.0	35,120.0	10,000.0	100	97.2	90	58.7	51.3	42.9	37.9	30.4	26.4	20.9	17.6	14.7	10.8	7.5	4.2	1.9	1.8	1.8	GP	NP	NV	NP
HCBF-22-R	02/08/22	59,230.0	36,200.0	10,010.0	100	100	76.9	57.1	49.1	40.7	35.4	30.9	24.7	19.6	15.8	12	8.6	4.2	3	1.4	1.4	1.2	GW	NP	NV	NP
HCBF-23-R	02/23/22	59,200.0	35,200.0	10,005.0	100	78.7	65.3	58.9	55	51.8	47.3	44.1	40.8	36.5	33.3	28.7	24.6	20.9	14.2	11.6	9.1	6.8	GM	NP	NV	NP
HCBF-24-R	03/09/22	59,520.0	36,100.0	10,045.0	100	100	81.9	65.7	60.3	54.8	49.1	45.9	39.7	34.6	29.4	25	20.2	16.5	12.6	9	7.2	5.9	GP-GC	21	31	10
HCBF-25-R	04/01/22	58,960.0	36,400.0	10,095.0	100	93.5	82.9	66.5	59.3	52.9	46.1	40.7	35.3	31.4	25.8	19.6	15.3	11.7	6.8	5	4.9	4.8	GW-GM	NP	NV	NP
HCBF-26-R	04/26/22	58,780.0	36,025.0	10,060.0	100	100	95.2	75.8	64.7	55.3	48.7	42.6	37.1	33.8	28.4	23.8	20	15.3	11.8	8.4	5.7	4	GP-GM	NP	NV	NP
HCBF-27-R	04/28/22	58,750.0	36,100.0	10,070.0	100	100	84.9	59	52.6	47.1	42.3	37.5	33.7	29	25.9	20.8	16.2	12.7	10.1	9.3	8.1	7.5	GM	NP	NV	NP
HCBF-28-R	05/18/22	58,725.0	36,200.0	10,105.0	100	100	90.8	73.4	68	63.5	58.6	52.1	47.6	44.9	38.7	33.7	28.9	24	19.6	14.9	10.6	9	GM	NP	NV	NP
HCBF-29-R	05/24/22	58,680.0	36,320.0	10,115.0	100	89.4	80.6	71.9	64.8	56.3	49.8	44.6	40.1	35.5	29.7	24.9	19.4	15.3	10.8	8.4	6	5.5	GP-GM	NP	NV	NP

Notes:
1. Greyed out control samples were not used in Stage A.1 construction.

R - Record Sample
NP - Non Plastic; NV - No Value

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel October 2021

Personnel	Date																													
	10/1	10/2	10/3	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13	10/14	10/15	10/16	10/17	10/18	10/19	10/20	10/21	10/22	10/23	10/24	10/25	10/26	10/27	10/28	10/29	10/30	10/31
	F	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tyler Wendlandt	LS	-	-	LS	LS	LS	LS	-	-	-	LS	LS	LS	LS	-	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	LS
George Fry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel November 2021

Personnel	Date																												
	11/1	11/2	11/3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15	11/16	11/17	11/18	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/26	11/27	11/28	11/29	11/30
	Mo	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*Mo*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*Mo*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*Mo*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*Mo*	*Tu*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tyler Wendlandt	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	-	LS	LS	LS	LS	-	-	-	-	-	-
George Fry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ST	-	ST	ST

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel December 2021

Personnel	Date																														
	12/1	12/2	12/3	12/4	12/5	12/6	12/7	12/8	12/9	12/10	12/11	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21	12/22	12/23	12/24	12/25	12/26	12/27	12/28	12/29	12/30	12/31
	We	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*We*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*We*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*We*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*
Jay Janney-Moore	-	-	-	-	-	-	PCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tyler Wendlandt	-	-	LS	-	LS	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
George Fry	ST	-	ST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ST	ST	-	ST	-	-	-	ST	-	ST	ST	-

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel January 2022

Personnel	Date																													
	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10	1/11	1/12	1/13	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	1/25	1/26	1/27	1/28	1/29	1/30	1/31
	Sa	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tyler Wendlandt	-	-	-	LS	LS	-	LS	-	LS	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	-	-
George Fry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ST

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel February 2022

Personnel	Date																											
	2/1	2/2	2/3	2/4	2/5	2/6	2/7	2/8	2/9	2/10	2/11	2/12	2/13	2/14	2/15	2/16	2/17	2/18	2/19	2/20	2/21	2/22	2/23	2/24	2/25	2/26	2/27	2/28
	Tu	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	W	*Th*	*F*	*Sa*	*Su*	*M*	Tu	*W*	*Th*	F	Sa	*Su*	*M*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	PCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roxanne Li	-	-	-	-	-	-	-	-	-	PR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tyler Wendlandt	-	-	-	-	-	-	LS	LS	LS	LS	LS	-	LS	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	LS	LS
George Fry	ST	ST	ST	ST	ST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel March 2022

Personnel	Date																													
	3/1	3/2	3/3	3/4	3/5	3/6	3/7	3/8	3/9	3/10	3/11	3/12	3/13	3/14	3/15	3/16	3/17	3/18	3/19	3/20	3/21	3/22	3/23	3/24	3/25	3/26	3/27	3/28	3/29	3/30	3/31
	Tu	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	W	*Th*	*F*	*Sa*	*Su*	*M*	Tu	*W*	*Th*	F	Sa	*Su*	*M*	Tu	*W*	*Th*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PCE	-	-	-	-	-	-	-
Tyler Wendlandt	LS	LS	LS	LS	-	LS	LS	LS	LS	LS	LS	LS	-	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	-	-	-	LS	LS	LS	LS

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel April 2022

Personnel	Date																													
	4/1	4/2	4/3	4/4	4/5	4/6	4/7	4/8	4/9	4/10	4/11	4/12	4/13	4/14	4/15	4/16	4/17	4/18	4/19	4/20	4/21	4/22	4/23	4/24	4/25	4/26	4/27	4/28	4/29	4/30
	F	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PCE	-	-
Roxanne Li	-	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-
Tyler Wendlandt	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	-	LS
George Fry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel May 2022

Personnel	Date																													
	5/1	5/2	5/3	5/4	5/5	5/6	5/7	5/8	5/9	5/10	5/11	5/12	5/13	5/14	5/15	5/16	5/17	5/18	5/19	5/20	5/21	5/22	5/23	5/24	5/25	5/26	5/27	5/28	5/29	5/30	5/31
	Su	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roxanne Li	-	PR	PR	PR	PR	PR	PR	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	-	PR
Tyler Wendlandt	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	LS	-	LS	LS	LS	LS	LS	LS	-	-	-	LS
George Fry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ST	ST	ST	ST	ST	-	-	ST	ST	-	ST	ST	-	-	-	ST
Ben Melly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	LG	LG	LG	LG	LG	-	-	-	LG

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel June 2022

Personnel	Date																													
	6/1	6/2	6/3	6/4	6/5	6/6	6/7	6/8	6/9	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23	6/24	6/25	6/26	6/27	6/28	6/29	6/30
	W	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PCE	-	-	-	-	-	-
Roxanne Li	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR
Tyler Wendlandt	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS
George Fry	ST	ST	ST	-	-	ST	ST	ST	ST	ST	-	-	ST	ST	ST	ST	ST	-	-	ST	ST	ST	ST	ST	-	-	ST	ST	ST	ST
Ben Melly	LG	LG	LG	-	-	LG	LG	LG	LG	LG	-	-	LG	LG	LG	LG	-	-	-	LG	LG	LG	LG	LG	-	-	LG	LG	LG	LG
Beau Van Der Sluys	-	-	-	-	-	LT	LT	LT	LT	-	-	-	LT	LT	LT	LT	LT	-	-	LT	LT	LT	-	-	-	-	LT	LT	LT	LT
Melvin Melly	-	-	-	-	-	LT	LT	LT	LT	-	-	-	LT	LT	LT	LT	-	-	-	LT	LT	LT	LT	LT	-	-	LT	LT	LT	LT

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel July 2022

Personnel	Date																													
	7/1	7/2	7/3	7/4	7/5	7/6	7/7	7/8	7/9	7/10	7/11	7/12	7/13	7/14	7/15	7/16	7/17	7/18	7/19	7/20	7/21	7/22	7/23	7/24	7/25	7/26	7/27	7/28	7/29	7/30	7/31
	F	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PCE	-	-	-	-	-	-	-	-	-	-
Roxanne Li	PR	-	-	-	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-
Tyler Wendlandt	LS	-	-	-	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	-	-	-
George Fry	ST	-	-	-	ST	ST	ST	ST	-	-	ST	ST	ST	ST	ST	-	-	ST	ST	ST	ST	ST	-	-	ST	ST	ST	ST	-	-	-
Ben Melly	LG	-	-	-	LG	LG	LG	LG	-	-	LG	LG	LG	LG	LG	-	-	LG	LG	LG	LG	LG	-	-	LG	LG	LG	LG	LG	-	-
Beau Van Der Sluys	LT	-	-	-	LT	LT	LT	-	-	-	LT	LT	LT	LT	LT	-	-	LT	LT	LT	LT	LT	-	-	LT	LT	LT	LT	LT	-	-
Melvin Melly	LT	-	-	-	-	-	-	LT	-	-	LT	LT	LT	LT	LT	-	-	LT	LT	LT	LT	LT	-	-	LT	LT	LT	LT	LT	-	-
Amanda Barnett	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel August 2022

Personnel	Date																														
	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21	8/22	8/23	8/24	8/25	8/26	8/27	8/28	8/29	8/30	8/31
	M	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	Tu	W	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PCE	-	-	-	-	-	-
Roxanne Li	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	PR	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR
Tyler Wendlandt	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	LS	LS	-	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS
George Fry	-	-	ST	ST	ST	-	-	ST	ST	ST	ST	ST	ST	-	-	ST	ST	ST	-	-	-	ST	ST	ST	ST	-	-	-	ST	ST	ST
Ben Melly	LG	LG	LG	LG	LG	-	-	LG	LG	LG	LG	LG	LG	LG	-	LG	LG	LG	LG	-	-	LG	LG	LG	LG	LG	-	-	LG	LG	LG
Beau Van Der Sluys	LT	LT	LT	LT	LT	-	-	LT	LT	LT	-	-	-	-	-	LT	LT	LT	LT	-	-	-	-	-	-	-	-	-	-	-	-
Melvin Melly	LT	LT	LT	LT	LT	-	-	LT	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amanda Barnett	-	-	-	-	-	-	-	-	-	LT	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel September 2022

Personnel	Date																												
	9/1	9/2	9/3	9/4	9/5	9/6	9/7	9/8	9/9	9/10	9/11	9/12	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20	9/21	9/22	9/23	9/24	9/25	9/26	9/27	9/28	9/29	9/30
	Th	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	Tu	W	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PCE	-	-	-	-	-	-	-
Roxanne Li	PR	PR	-	-	-	PR	PR	PR	PR	-	-	PR	PR	PR	PR	-	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR
Tyler Wendlandt	LS	-	-	-	-	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	-
George Fry	ST	ST	-	-	-	ST	ST	ST	ST	-	-	-	-	-	-	-	-	-	ST	ST	ST	ST	ST	-	-	ST	-	-	ST	ST
Ben Melly	LG	LG	-	-	-	LG	LG	LG	LG	-	-	LG	LG	LG	LG	LG	-	-	LG	LG	LG	LG	LG	LG	-	LG	LG	LG	LG	LG
Raymond Melly	GT	GT	-	-	-	GT	GT	GT	GT	-	-	GT	GT	GT	GT	GT	-	-	GT	GT	GT	GT	GT	GT	-	GT	GT	GT	GT	GT
Devan Keith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GT	GT	-	GT	GT	GT		GT	GT	-	GT	GT

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel October 2022

Personnel	Date																													
	10/1	10/2	10/3	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13	10/14	10/15	10/16	10/17	10/18	10/19	10/20	10/21	10/22	10/23	10/24	10/25	10/26	10/27	10/28	10/29	10/30	10/31
	Sa	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	Tu	W	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-	-	-	PCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roxanne Li	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR	PR	PR	PR	PR	-	-	PR
Tyler Wendlandt	-	-	-	-	-	-	-	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS
George Fry	-	-	ST	ST	ST	ST	-	-	-	-	-	-	-	-	-	-	-	ST	ST	ST	-	-	-	-	-	-	-	-	-	-	-
Ben Melly	LG	-	LG	LG	LG	LG	LG	LG	-	LG	LG	LG	LG	LG	LG	-	LG	LG	LG	LG	LG	LG	-	LG	LG	LG	LG	LG	-	-	LG
Ryan Benefiel	-	-	GT	GT	GT	GT	GT	GT	-	GT	GT	GT	GT	GT	-	-	-	GT	GT	GT	GT	GT	-	-	-	-	-	-	-	-	-
Devan Keith	GT	-	GT	GT	GT	-	GT	GT	-	GT	GT	GT	GT	GT	GT	-	GT	GT	GT	GT	GT	-	-	GT	GT	GT	GT	GT	-	-	-

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel November 2022

Personnel	Date																												
	11/1	11/2	11/3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15	11/16	11/17	11/18	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/26	11/27	11/28	11/29	11/30
	Tu	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	Tu	W	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	PCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roxanne Li	PR	PR	-	-	-	-	PR	PR	PR	PR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tyler Wendlandt	LS	LS	-	-	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	LS	LS	-	-	LS	LS	LS	-	-	-	-	LS	LS	LS
Ben Melly	LG	LG	-	-	-	-	LG	LG	LG	LG	LG	-	-	LG	LG	LG	LG	LG	-	-	LG	LG	LG	-	-	-	-	LG	LG	LG
Devan Keith	-	-	-	-	-	-	-	GT	GT	GT	-	-	-	GT	GT	GT	GT	GT	-	-	GT	GT	GT	-	-	-	-	GT	-	GT
Ryan Benefiel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GT	GT	GT

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel December 2022

Personnel	Date																														
	12/1	12/2	12/3	12/4	12/5	12/6	12/7	12/8	12/9	12/10	12/11	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21	12/22	12/23	12/24	12/25	12/26	12/27	12/28	12/29	12/30	12/31
	Th	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	Tu	W	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*	*Su*	*M*	*Tu*	*W*	*Th*	*F*	*Sa*
Jay Janney-Moore	-	-	-	-	-	-	-	-	-	-	-																				
Roxanne Li	-	-	-	-	-	-	-	-	-	-	-																				
Tyler Wendlandt	LS	LS	-	-	LS	LS	LS	LS	LS	-	-																				
Ben Melly	LG	LG	-	-	LG	LG	LG	LG	LG	-	-																				
Devan Keith	GT	GT	-	-	GT	GT	GT	GT	GT	-	-																				
Ryan Benefiel	GT	GT	-	-	GT	GT	GT	GT	GT	-	-																				

Acronyms:

PE	Principal Engineer	LS	Lead Soils Technician	LG	Lead Geosynthetics Technician
PCE	Project Certifying Engineer	ST	Soils Technician	GT	Geosynthetics Technician
PR	Project Resident	LT	Laboratory Technician		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Staff Schedule for NewFields Personnel December 2022

NewFields	CLIENT Newmont Cripple Creek & Victor Gold Mine	PROJECT NO 475.0106.049
PROJECT: VLF2 Phase 3		
TITLE: TECHNICAL SPECIFICATIONS – Earthworks Construction Quality Assurance (CQA) Plan		**SPECIFICATION NO.** **01400 EARTHWORK CQA - BACKFILL PIT - REV 0**

REV	DATE	PAGES	APPROVALS			REMARKS
			AUTHOR	REVIEW	CLIENT	
0	8/12/2021	10	JNM	KCW		Issued for Construction

TABLE OF CONTENTS

LIST OF TABLES

SECTION 01400 EARTHWORKS CONSTRUCTION QUALITY ASSURANCE (CQA) PLAN

1. PART 1: INTRODUCTION

This plan addresses the construction quality assurance (CQA) procedures for the installation of the earthworks (soils) component of the backfilling the Pit for VLF3 Phase 3 project at the Cresson Project, Teller County, Colorado. This program has been developed to assure that the construction of the soil components is in compliance with the project SPECIFICATIONS and to demonstrate that the regulatory requirements for the construction are achieved.

The objective of this plan is to assure that proper materials, construction techniques, and procedures are followed by the **CONTRACTOR** and that the intent of the design is met. This plan also provides the means for resolution of problems that may occur during construction.

This plan addresses quality assurance, not quality control. This CQA Plan is independent of the quality control (QC) programs conducted by **CONTRACTOR**. The intent of the CQA Plan is to provide independent third party verification and testing, to demonstrate that the **CONTRACTOR** has met its obligations in the supply and installation of earthwork (soils) materials according to the design, project SPECIFICATIONS, contractual, and regulatory requirements. Quality control is provided by **CONTRACTOR** and refers to those actions taken by the **CONTRACTOR** to ensure that materials and workmanship meet the requirements of the DRAWINGS and SPECIFICATIONS.

2. PART 2: DESCRIPTION OF PARTIES TO CONSTRUCTION QUALITY ASSURANCE

The following section provides descriptions of the parties to this CQA Plan including their responsibilities and qualifications.

2.1. CC&V

In this CQA Plan, **CC&V** refers specifically to Cripple Creek & Victor Gold Mining Company. **CC&V** owns and operates the valley leach facility.

2.2. Manager

In this CQA Plan, **MANAGER** refers to the individual appointed by the Cripple Creek & Victor Gold Mining Company. **MANAGER** is the official representative of **CC&V** and is responsible for all construction activities including oversight and direction during construction. **MANAGER** is also responsible for coordinating construction and CQA activities for the project.

MANAGER shall serve as communications coordinator for the project, initiating preconstruction and resolution meetings. As communications coordinator, **MANAGER** will serve as a liaison between all parties involved in the project to ensure that ongoing communications are

maintained. **MANAGER** and **CERTIFYING ENGINEER** shall be responsible for the resolution of all CQA issues.

Duties for this position include the following:

- review and approval of DRAWINGS and SPECIFICATIONS for all soil components of the valley leach facility;
- preconstruction coordination with the **CQA MONITOR** to ensure that the **CQA MONITOR** has performed similar reviews of the DRAWINGS and SPECIFICATIONS to ensure that the CQA Plan can be implemented;
- coordination of all construction activities associated with **CONTRACTOR**;
- scheduling and coordinating construction activities with required CQA testing and activities;
- overseeing the construction quality control operations performed by **CONTRACTOR**;
- approve specific corrective measures to be implemented during construction when deviations from the SPECIFICATIONS occur;
- ensure that required quality assurance testing has been performed in accordance with the CQA Plan and to the satisfaction of the **CQA MONITOR**; and
- ensure that the CQA personnel are provided with all documentation required in the CQA Plan and project SPECIFICATIONS.

2.3. Design Engineer

In this CQA Plan, the **DESIGN ENGINEER and Engineer of Record (EOR)** refers specifically to NewFields who has assumed the role of **DESIGN ENGINEER** after a thorough review of design documents to include, but not limited to, the DRAWINGS and SPECIFICATIONS. The **DESIGN ENGINEER** or the **CERTIFYING ENGINEER** identified in Section 2.4 below, is responsible for approving all DRAWING and SPECIFICATION changes, modifications, or clarifications encountered during construction.

2.4. Certifying Engineer

In this plan, **CERTIFYING ENGINEER** refers specifically to NewFields. **CERTIFYING ENGINEER** is the individual or firm responsible for certifying the construction was performed in compliance with the DRAWINGS and SPECIFICATIONS. **MANAGER** and **CERTIFYING ENGINEER** shall be responsible for the resolution of all quality assurance issues.

2.5. Construction Quality Assurance Monitor

The **CQA MONITOR** is the firm or individual responsible for performing the CQA tasks outlined in this CQA Plan. The **CQA MONITOR** is the official CQA representative of **CC&V** and has the

responsibility of overseeing the CQA aspects of the Work. In this CQA Plan the **CQA MONITOR** is associated with the **CERTIFYING ENGINEER and** refers specifically to (To Be Determined). The **CQA MONITOR** has the authority to stop any aspect of the Work that is not in compliance with the CQA Plan. Work would then be resumed once corrective action has been approved by **MANAGER**. The specific responsibilities of the **CQA MONITOR** include:

- review the DRAWINGS, SPECIFICATIONS, and related guidance documents;
- review all **CONTRACTOR** QC submittals and make appropriate recommendations;
- obtain preconstruction and construction samples and perform material evaluation testing as required;
- monitor foundation preparation activities as discussed in Section 6.3.1 and material placement as discussed in Section 6.3.2;
- assure that testing equipment used and tests performed are conducted according to SPECIFICATIONS and industry standards;
- document and report test results to **MANAGER**;
- report any deficiencies to **MANAGER** that are not corrected to the satisfaction of the **CQA MONITOR**, including design or SPECIFICATION changes;
- prepare a Construction Certification Report describing the construction, any deviations from SPECIFICATIONS or DRAWINGS and details, details of all field and laboratory test data, tests results (both laboratory and field), professional certification that construction was completed in accordance with the DRAWINGS and SPECIFICATIONS. The Construction Certification Report will be signed and sealed by the **CERTIFYING ENGINEER** registered in the State of Colorado;
- monitor the ambient air temperature and fill temperature, as outlined in Section 2200 of the SPECIFICATIONS; and
- maintain an on-site soils laboratory and perform regular calibration of equipment.

2.6. Earthworks Contractor

The Earthworks Contractor, also referred to as "**CONTRACTOR**", is responsible for proper processing, delivery and placement of all components as outlined in the SPECIFICATIONS.

3. PART 3: LINES OF COMMUNICATION

The **CQA MONITOR** shall be capable of direct communication with **MANAGER**, **DESIGN ENGINEER** and **CERTIFYING ENGINEER** at all times. Deficiencies that can be easily remedied, such as unsatisfactory test results, will be dealt with directly between the **CQA MONITOR**, and **CONTRACTOR**. The **CQA MONITOR** will also discuss any deficiencies with the **CERTIFYING ENGINEER**.

If there is a disagreement among the **DESIGN ENGINEER, CERTIFYING ENGINEER,** and/or **MANAGER** that cannot be resolved among themselves, **MANAGER** shall present the matter to **CC&V** with **MANAGER** related recommendations and **CC&V** shall decide the matter with such decision being final.

4. PART 4: DEFICIENCIES

When deficiencies (items that do not meet SPECIFICATIONS or DRAWINGS) are discovered, the **CQA MONITOR** will immediately determine the nature and extent of the problem and notify the **CONTRACTOR**. If unsatisfactory test results identify a deficiency, additional tests will be performed to define the extent of the deficient area.

CONTRACTOR shall correct the deficiency to the satisfaction of the **CQA MONITOR**. If **CONTRACTOR** is unable to correct the problem, the **CQA MONITOR** will notify **MANAGER** and **CERTIFYING ENGINEER** which will assist in problem resolution. If the solution involves a design revision, the **DESIGN ENGINEER** shall also be contacted.

The **CQA MONITOR** shall retest and the **MANAGER** and **CERTIFYING ENGINEER** shall approve the corrected deficiencies before any additional related work is performed by **CONTRACTOR**. All retests and related documentation shall be recorded by the **CQA MONITOR** and included in the Construction Certification Report.

5. PART 5: MEETINGS

This section identifies and describes the meetings to be held during the course of the construction. Meetings shall be held in order to clearly define construction activities and goals in order to facilitate construction.

5.1. Preconstruction Meeting

MANAGER will hold a preconstruction meeting at the site prior to the start of construction. **MANAGER**, **DESIGN ENGINEER, CERTIFYING ENGINEER**, **CQA MONITOR**, **CONTRACTOR**, and others designated by **MANAGER** shall attend this meeting. The purpose of this meeting will be to:

- review the construction DRAWINGS, CQA Plan, and SPECIFICATIONS;
- define the responsibilities of each party;
- define lines of communication and authority;
- review method of documentation, testing procedures, and reporting inspection data;
- establish testing protocols and procedures for correcting and documenting construction deficiencies;

- discuss any changes that may be needed to ensure that construction will be completed in compliance with the design; and
- This meeting will be documented by **MANAGER** and copies will be distributed to all parties.

5.2. Progress Meetings

MANAGER will hold a daily progress meeting, either before the start of work or at the completion of work. At a minimum, this meeting will be attended by the **CQA MONITOR** and **CONTRACTOR**. The purpose of this meeting will be to:

- review all the previous day's accomplishments and activities;
- review scheduled work location and activities for the day;
- discuss any problems or potential construction problems; and,
- review test data.

5.3. Deficiency Meetings

Special meetings will be held, as needed, to discuss potential problems or deficiencies. At a minimum, these meetings will be attended by the **CQA MONITOR** and **CONTRACTOR**. If the problem relates to a design issue, **MANAGER**, **DESIGN ENGINEER** and **CERTIFYING ENGINEER** should also be present. The meeting will be documented by the **CQA MONITOR**.

6. PART 6: EARTHWORKS CONSTRUCTION QUALITY ASSURANCE

Construction of the valley leach facility or specified earthworks shall be in accordance with the DRAWINGS and SPECIFICATIONS. A CQA monitoring and testing program shall be implemented by **CC&V** to ensure construction compliance by the **CONTRACTOR**. The CQA testing program shall consist of construction testing of materials used in the valley leach facility construction. The types of materials are defined in the SPECIFICATIONS. During construction, the **CQA MONITOR** shall sample and test these soil types to determine if they meet SPECIFICATIONS. The **CQA MONITOR** shall obtain and test soil samples in accordance with American Society for Testing and Material standards ASTM D75 and ASTM D420. All tests shall be performed by the **CQA MONITOR** on-site or in a geotechnical laboratory approved by the **CERTIFYING ENGINEER.**

6.1. Overburden Fill Placement

Construction of the Overburden Fill will be completed by the **CONTRACTOR** prior to the arrival of the **CQA MONITOR**. During this period, the **MANAGER** will provide the **CERTIFYING ENGINEER** and Division of Reclamation, Mining and Safety with weekly progress reports. These reports will include photographic evidence the material being placed meets the specification requirements, progress being made, and placement methods utilizing a template developed by the **CERTIFYING**

ENGINEER. In addition, "Photographic Analysis" of the gradation of the material will be completed by the **MANAGER** on a monthly basis. Additionally, on a quarterly basis the **CERTIFYING ENGINEER** will perform on-site visual inspections and meet with the **MANAGER** to review the progress of the Overburden Fill placement.

6.2. Construction Testing

During construction, the **CQA MONITOR** shall test all earthwork components to verify that the construction is in accordance with the SPECIFICATIONS. Testing shall be performed on all soil used in the construction to confirm the materials meet SPECIFICATIONS. The **CQA MONITOR** shall conduct testing after final placement of the materials. The tests to be performed, and the testing frequency, for each material type are listed in Tables 1. The testing frequencies specified in Tables 1 and 2 shall be increased when the **CQA MONITOR** determines that construction conditions (such as adverse weather, equipment breakdown, improperly ballasted compactor, excessive lift thickness, improper soil type, improper moisture conditioning and compaction) warrant additional tests. Additional tests will be approved by **MANAGER** and directed by the **CQA MONITOR**.

6.3. Construction Monitoring

The **CQA MONITOR** will monitor and test all earthwork quality assurance components of the construction to verify that the construction is in accordance with the SPECIFICATIONS. The **CQA MONITOR** shall identify inadequate construction methodologies or materials that may adversely impact the performance of the facility being constructed and existing structures. The **CQA MONITOR** will record visual observations throughout the construction process to ensure that the materials are placed to the minimum dimensions as shown on the DRAWINGS. Quality control testing will be performed by the **CONTRACTOR**.

6.3.1. Foundation Preparation

The **CQA MONITOR** shall observe and document the foundation preparation including:

- stripping and excavation activities to ensure that **CONTRACTOR** places the material in the appropriate stockpile (Structural Fill, Select Structural Fill, Leak Detection Fill, Low Volume Solution Collection Fill, Bedding Fill, Soil Liner Fill, Drain Cover Fill, Fine Shaft Backfill, Pipe Bedding Material and Granular Filter Material), if stockpiling is necessary;
- stockpiling activities to verify location of stockpile, material type, and dressing;
- excavations for moisture seeps, unsuitable foundation soil, elevation, and proper drainage;
- subgrade preparation to confirm that the surface of the subgrade is free of soft, organic, and otherwise deleterious materials (such as debris, branches, vegetation, mud, ice, or frozen materials); and that soil and rock surfaces that contain joints or fractures are adequately filled

in accordance with the SPECIFICATIONS; and

- construction of access roads, drainage control features and erosion control features to verify compliance with the DRAWINGS and SPECIFICATIONS.

6.3.2. Placement Of Materials

6.3.2.1. Overburden Material

During placement of Overburden fill, the **CONTRACTOR** shall:

- verify the use of appropriate fills;
- monitor and document material placement, including soil type, particle size, loose lift thickness, is in compliance with the SPECIFICATIONS;

6.3.2.2. Structural Fill

During placement of Structural Fill, the **CQA MONITOR** shall:

- verify the use of appropriate fills;
- monitor and document material placement, including soil type, particle size, loose lift thickness, moisture conditioning process, compaction equipment and methods used to attain compaction, including number of passes, uniformity of compaction coverage, compacted lift thickness, bonding of lifts and in-place moisture content and dry density is in compliance with the SPECIFICATIONS;
- monitor the fill temperature as identified in Section 02200 of the SPECIFICATIONS.

7. PART 7: DOCUMENTATION

Documentation kept by the **CONTRACTOR/CQA MONITOR** shall consist of daily record-keeping, construction problem resolutions, design and SPECIFICATION changes, photographic records of construction, weekly progress reports, chain of custody forms for test sample tracking, and a Construction Certification Report.

7.1. Daily Record Keeping

Daily records kept shall consist of field notes, observation and testing data sheets, summary of the daily meeting and reporting of construction problems and resolutions. The **CONTRACTOR/CQA MONITOR** shall submit this information on a regular basis to **MANAGER** for review.

7.2. Soils Observation and Testing Forms

The **CONTRACTOR/CQA MONITOR** will document soils observations on forms that generally include the following information:

- date, project name, location, and weather data, including high and low daily temperatures;
- a site plan showing work areas and test locations;
- descriptions of ongoing construction detailing work areas and equipment utilized by **CONTRACTOR;**
- summary of test results and samples obtained, with locations and elevations (Structural Fill only);
- resolutions of deficient test results;
- test equipment calibrations, if necessary;
- summary of meetings held; and
- signature or initials of the **CONTRACTOR/CQA MONITOR**.

7.3. Photo Documentation

The **CONTRACTOR/CQA MONITOR** shall photograph all phases of construction. Photographs shall be identified by location, time, date, and name of the **CQA MONITOR** taking the photograph.

7.4. Design and Specification Changes

During construction, the need to address DESIGN and SPECIFICATION changes, modifications, or clarifications may arise. In such cases the **CONTRACTOR/CQA MONITOR** shall notify **MANAGER**, which shall notify the **DESIGN ENGINEER** and the **CERTIFYING ENGINEER**. DESIGN and SPECIFICATION changes shall only be made with written agreement from **MANAGER** and **DESIGN ENGINEER**.

7.5. Weekly Progress Reports

The **CONTRACTOR/CQA MONITOR** shall prepare weekly progress reports summarizing all construction and quality assurance activities. This report shall be submitted to **MANAGER** and shall include the following information:

- date, project name, and location;
- summary of construction related activities;
- summary of samples taken and test results;
- summary of deficiencies and/or defects and resolutions; and,
- signature of the **CONTRACTOR/CQA MONITOR**.

7.6. Construction Certification Report

At the completion of the Structural Fill placement, the **CQA MONITOR** shall submit to **MANAGER** documentation to be included in a future Construction Certification Report. This report shall certify that the work has been performed in compliance with the DRAWINGS and SPECIFICATIONS and will contain the following information:

- summary of all construction activities;
- photographic documentation;
- test data sheets;
- copies of weekly reports during placement of the Structural Fill;
- CQA test results, including date, test locations and resolutions of deficient test results;
- fill temperature monitoring results;
- staff schedule summary;
- a description of significant construction problems and the resolution of these problems;
- changes to the DRAWINGS or SPECIFICATIONS and the justification for these changes.

TABLE 1: SOIL CONSTRUCTION TESTING FREQUENCY[1] VOLUME PER TEST

Test and ASTM Designation	Overburden Fill	Structural Fill (cy)
Compaction (ASTM D698)	-	50,000
Particle Size[2] (ASTM C117, C136, D1140, D6913)	1 per month[3]	50,000
Atterberg Limit (ASTM D4318)	--	50,000
Nuclear Density/Moisture (ASTM D6938)	-	2,000[4]

[1] Tests shall be performed at the specified frequency or one per material type, whichever is greater.
[2] Use the USCS for description and identification (ASTM D2488).
[3] Particle Size analysis will be completed using Photo Analysis Software
[4] Nuclear Density/Moisture testing only when appropriate based upon the in-place materials

NewFields	CLIENT Newmont Cripple Creek & Victor Gold Mine	PROJECT NO 475.0106.049
PROJECT: VLF2 Phase 3		
TITLE: TECHNICAL SPECIFICATIONS –EARTHWORKS		**SPECIFICATION NO.** **02200 EARTHWORKS - BACKFILL PIT - REV 0**

REV	DATE	PAGES	APPROVALS			REMARKS
			AUTHOR	REVIEW	CLIENT	
0	8/12/2021	7	JNM	KCW		Issued for Construction

TABLE OF CONTENTS

SECTION 02200.0 EARTHWORKS

1. PART 1: GENERAL

1.1. Summary

This specification describes the placement of Overburden Fill and Structural Fill for the pit backfilling project.

1.2. Related Sections

Refer to the following Sections for related work:

- Section 01400 – Earthworks CAQ

1.3. Tolerances

A. Limits of excavation, Overburden Fill and Structural Fill for the pit backfill project are defined by the lines and elevations shown on the DRAWINGS. All fill shall be placed to the minimum thicknesses shown on the DRAWINGS.

B. Finished grades shown on the DRAWINGS are given in feet and shall slope uniformly between given spot and contour elevations, without sag or humps. All grades shall provide for natural runoff.

C. Correction of over-excavation and backfilling shall be to **CONTRACTOR**'s account.

1.4. Quality Assurance

A. All work shall be monitored and tested in compliance with the requirements of the CQA Plan.

B. **CONTRACTOR** shall be aware of all testing activities outlined in the CQA Plan and shall account for these activities in the construction schedule.

C. All the CQA soils testing for the Overburden Fill (both field and laboratory testing) will be the responsibility of the CONTRACTOR, as identified in the Earthworks CQA plan.

D. All CQA soils testing for the Structural Fill (both field and laboratory testing) will be the responsibility of **CERTIFYING ENGINEER**, as identified in the Earthworks CQA plan. **CONTRACTOR** shall be responsible for cooperating with **CQA MONITOR** during all testing activities. **CONTRACTOR** shall provide equipment and labor to assist **CQA MONITOR** in sampling, if requested, and shall also provide access to all areas requiring testing activities. Quality Control testing shall be the responsibility of the **CONTRACTOR**.

E. All excavation, backfill, and grading operations shall be carried out under the observation of **MANAGER** and **CERTIFYING ENGINEER**.

F. Any work found unsatisfactory or any work disturbed by subsequent operations before acceptance is granted shall be corrected by **CONTRACTOR**, at its sole cost.

2. PART 2: PRODUCTS

2.1. Materials

A. Fill materials will be soils, gravels, or rock fill approved by **MANAGER** and **CERTIFYING ENGINEER**. The materials shall be free of organic matter, debris, frozen material, and other deleterious materials, and shall be excavated, as required, as follows:

1. Overburden Fill – material as approved by the Manager and Certifying Engineer conforming to the following specifications:

U.S. Standard Sieve Size	Percent Passing by Dry Weight
60– inch	100
36-inch	80-100
3-inch	40 -100

2. Structural Fill - material as approved by **MANAGER** and **CERTIFYING ENGINEER** conforming to the following specification:

U.S. Standard Sieve Size	Percent Passing by Dry Weight
24 – inch	100
8-inch	40-100
No. 200	0 – 25
Plasticity Index: 30 maximum	

Acceptance of non-conforming materials: In cases where non-conformance to these material specifications occur the Design Engineer in tandem with the Manager can approve the material for use, if in their opinion, the specification deviation does not diminish functionality of a given design element and/or compromise the design intent. If non-conforming materials are accepted by the Design Engineer and Manager for use during construction, the DRMS will be contacted, within a week of discovery, to alert them to the acceptance and rationale behind acceptance of non-conforming materials.

3. PART 3: EXECUTION

3.1. Waste Removal

Waste material is defined as material too wet, too dry, frozen or containing ice or snow, containing organic or other deleterious matter, having poor characteristics of grading or compaction, having other characteristics that may result in undesirable settlement or other movement of the fill, or within the fill, or otherwise not meeting the requirements of the SPECIFICATIONS, provided that this definition permits drying, water, and any other processing or reprocessing to make the material stable and suitable prior to incorporating it into the fill as permitted in the SPECIFICATIONS or by the **MANAGER** and **CERTIFYING ENGINEER**.

A. **CONTRACTOR** shall excavate and remove waste in a manner that will minimize contamination with other soil horizons.

B. **CONTRACTOR** shall stockpile removed waste at locations designated by **MANAGER**

3.2. Excavation

A. **CONTRACTOR** shall perform excavation to the lines and grades shown on the DRAWINGS or as directed by **MANAGER**. No excavation shall begin until the **CONTRACTOR** has provided construction staking for the proposed work.

B. **CONTRACTOR** shall prevent the disturbance of surrounding areas during excavation. Where selective excavations are required to obtain materials for Structural Fill, the material removed from the excavations shall be taken directly to the fill areas or, if required, stockpiled by material types. The stockpiles shall be approved by **MANAGER**.

C. **CONTRACTOR** shall grade all excavations to ensure grades are maintained to provide adequate drainage at all times. Work shall be suspended by **CONTRACTOR** when, in the opinion of **MANAGER** and **CERTIFYING ENGINEER**, the site is overly wet, muddy, or otherwise unsuitable for proper maintenance, until directed otherwise by **MANAGER**, at no cost to **CC&V**.

D. In excavations where Structural Fill is to be placed on slopes steeper than 3H:1V, horizontal benches shall be excavated into the slope to allow fill to be placed in

horizontal lifts. The **CONTRACTOR** shall continuously bench and key embankment material into the existing material a minimum of 2 feet.

E. The **CONTRACTOR** will be responsible for the safety of temporary construction slopes. **CONTRACTOR** shall inspect all temporary and permanent open-cut excavations on a regular basis for signs of instability. Should signs of instability be noted, **CONTRACTOR** shall immediately undertake remedial measures and shall notify **MANAGER** immediately. Permanent cut slopes shall be left in smooth, safe, and stable condition at the end of the workday.

F. **CONTRACTOR** shall final grade excavations within the project to establish positive drainage to the Pregnant Solution Storage Area. In no case will depressions or bowls be permitted in the valley leach facility area.

G. **CONTRACTOR** shall conduct all excavation and shoring operations in compliance with applicable MSHA, Colorado State and Federal government laws and regulations.

3.3. Fill Placement

A. The following general guidelines shall be followed except as noted elsewhere in this Section.

1. No fill materials shall be placed until the foundation and subgrade preparations have been completed as specified herein, in section 3.5 of this SPECIFICATION. The procedures for fill placement shall be approved by **MANAGER** and **CERTIFYING ENGINEER** prior to start of fill placement.

2. No brush, roots, sod, frozen material, or other deleterious or unsuitable materials shall be incorporated in the fills. The suitability of all materials intended for use in the fill shall be subject to approval by **MANAGER** and **CERTIFYING ENGINEER**. Fill placement shall be temporarily stopped by **CONTRACTOR** due to weather conditions, if materials and installation do not meet the SPECIFICATIONS, at no cost to **CC&V**. Fill shall not be placed upon frozen material, such as snow or ice.

3. If the surface of the prepared foundation or the surface of any layer of the fill is too dry or too smooth to bond properly with the layer of material to be placed thereon, it shall be moisture-conditioned and/or worked with harrow, scarifier teeth, disc, or other suitable equipment to provide a satisfactory bonding surface before fill material is placed thereon. If the surface of the prepared foundation or the rolled surface of any layer is excessively wet for fill materials to be placed thereon, it shall be removed and allowed to dry or worked with a harrow, scarifier teeth, disc, or other suitable equipment to reduce the moisture content to an acceptable level or meet project SPECIFICATIONS as determined by **MANAGER** and **CERTIFYING ENGINEER**. It shall then be compacted before the next layer of fill material is placed. Determination of such dry or wet conditions shall be made by **CERTIFYING ENGINEER**.

4. The distribution of materials shall be such that the fill is free from voids, lenses, pockets, streaks, or layers of material differing substantially in texture or gradation from the surrounding material. The material of a fill shall be as described in Section 2.1 of this specification.
5. Unless otherwise approved by **MANAGER** and **CERTIFYING ENGINEER**, the entire fill surface shall be at or near the same elevation at all times during construction. At all times during construction, the surface of the fill shall be graded and maintained by the **CONTRACTOR** to prevent ponding of water and to allow for storm water drainage.
6. Except as otherwise specified or approved by **MANAGER** and **CERTIFYING ENGINEER**, the **CONTRACTOR** shall dump and spread fill in such a manner so that no excessive gaps are left between successively dumped loads of materials. The fill shall be leveled prior to compaction by means of a dozer or grader, or other suitable approved equipment, to obtain a surface free from depressions.
7. Except in areas approved by **MANAGER** and **CERTIFYING ENGINEER** where space is limited or otherwise specified, **CONTRACTOR** shall place fill by routing the hauling and spreading units approximately parallel to the axis of the fill. As far as practical, hauling units shall be so routed that they do not follow in the same paths, but split their tracks evenly across the surface of the fill to enhance compaction.
8. **CONTRACTOR** shall apply water required for moisture conditioning on the fill or in the borrow areas.

   CONTRACTOR shall maintain fill materials within the moisture content range required to permit proper compaction to the specified density with the equipment being used. The moisture content of the fill materials, prior to and during compaction, shall be uniform throughout each layer of the material.

   Prior to mixing of wet and dry material on the fill to obtain the proper moisture content, approval shall be obtained from **CERTIFYING ENGINEER**. Mixed material shall have a uniform distribution of the moisture content prior to placement on the subsequent lift.

   When materials spread on the fill are too dry for proper compaction, **CONTRACTOR** shall spray water on each layer of the fill and shall work the moisture into the fill by harrowing or other approved means, until a uniform distribution of moisture is obtained. Material that is too wet for proper compaction, as determined by **CERTIFYING ENGINEER**, shall be removed from the fill and/or spread out and permitted to dry, assisted by disking and harrowing or mixing in dry material when permitted by **CERTIFYING ENGINEER**, if necessary, until the moisture content is reduced to an amount suitable for obtaining the specified degree of compaction, at no cost to **CC&V.**

9. After each layer of fill material has been placed, spread, and moisture-conditioned, the layer shall be compacted by passing compaction equipment over the entire surface of the layer a sufficient number of times to obtain the required density, as specified herein. Compaction shall be accomplished with equipment and by methods approved by **CERTIFYING ENGINEER**. If such equipment or methods are found unsatisfactory for the intended use, **CONTRACTOR** shall replace the unsatisfactory equipment with other types or adjust methods until proper compaction is achieved.
10. For Structural Fill with less than 30 percent rock materials above 3/4-inch size, the **CQA MONITOR** will measure the ambient air temperature on an hourly basis. If the ambient air temperature is less than thirty-two degrees Fahrenheit for more than one hour over the preceding twenty-four (24) hours, the **CQA MONITOR** will measure the temperature of the fill to determine if the fill is frozen. "Frozen" is defined as a mean temperature of thirty-two degrees Fahrenheit (32°F) or less. The **CQA MONITOR** will measure the temperature at a depth of three (3) inches and six (6) inches, recording the lower of the two. Six (6) measurements will be taken per acre, and if the average is below thirty-two degrees Fahrenheit (32°F), the fill will be considered frozen. If the fill is determined to be frozen the **CONTRACTOR** may either remove and replace the frozen fill or wait until subsequent temperature monitoring indicates the fill is unfrozen at no cost to **CC&V**.
11. Overburden slopes shall be compacted using a method specification and graded to meet the grades and dimensions shown on the DRAWINGS. The Bedding Fill subgrade surface will be prepared as identified in Section 2200 of the SPECIFICATIONS.

B. Overburden Fill

1. Areas to receive Overburden Fill will include, but are not limited to, backfilling existing pits to within 35 feet of the proposed geomembrane surface.
2. Overburden Fill material shall be overburden waste placed with in maximum 25-foot thick lifts, and compacted utilizing loaded haulage equipment.
3. Maximum rock size for overburden fill shall be 5 feet.
4. Prior to commencement of Overburden Fill, the **CONTRACTOR** shall complete task training to ensure that material meeting the specification is borrowed and placed. This training will include visually identifying oversized material and visually verifying that the material being loaded and placed is reasonably graded to avoid placement of gap graded material with excessive voids.

C. Structural Fill

1. Areas to receive Structural Fill will include, but are not limited to, slope reductions, and miscellaneous site grading.
2. **CONTRACTOR** shall condition Structural Fill to a moisture content that allows compaction to the required density and that results in a firm, unyielding surface

capable of allowing the movement of vehicles and equipment over the surface without causing rutting or other deleterious effects.

3. **CONTRACTOR** shall place Structural Fill materials with less than 30 percent rock materials above 3/4-inch size in maximum 12-inch loose lifts, and compact to 95 percent of maximum dry density (ASTM D698). The moisture content shall be within +3% to -3% of the optimum moisture content.
4. **CONTRACTOR** shall condition, place and compact Structural Fill containing more than 30 percent rock materials above 3/4-inch size (rock fill) by a method compaction technique. The compaction equipment shall consist of a minimum 10-ton (static drum weight) vibratory smooth-drum compactor. The number of passes and loose lift thickness shall be subject to **CERTIFYING ENGINEER's** approval, at no additional cost to **CC&V**. The method specifications may be changed at any time, at the discretion of **CERTIFYING ENGINEER**, based upon changes in material characteristics, field conditions, and/or compaction equipment.
5. Maximum rock size for rock fill shall be two-thirds of the compacted lift thickness, unless otherwise approved by **MANAGER**, **DESIGN ENGINEER,** and **CERTIFYING ENGINEER**. **CONTRACTOR** shall remove oversize materials from fills at no additional cost to **CC&V**.

3.4. Equipment

CONTRACTOR may use any type of earthmoving or excavating equipment unless otherwise noted in the SPECIFICATIONS, provided the equipment is in a satisfactory condition, complies with applicable rules and regulations, is of such capacity that the construction schedule can be maintained as planned by **CONTRACTOR**, and is approved by **MANAGER.**

Newmont.
CRIPPLE CREEK & VICTOR

Newmont Corporation
Cripple Creek & Victor Gold Mining Company
100 North 3rd St
P.O. Box 191
Victor, CO 80860
www.newmont.com

September 15, 2021

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Schist Island Backfill Weekly Report

Mr. Russell,

In accordance with Amendment Thirteen Second Adequacy Review Response, comment number 73; Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) hereby provides a weekly report documenting backfilling activities completed in Schist Island during Week 1 of the project, covering the period from 8/31/21 to 9/1/21.

Should you require further information please do not hesitate to contact Katie Blake at 719-689-4048 or Katie.Blake@Newmont.com or myself at Justin.Raglin@Newmont.com.

Regards,

Justin Raglin
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

EC: E. Russell – DRMS
M. Cunningham – DRMS
M. Crepeau – Teller County
L. Morgan – Teller County
J. Raglin – CC&V
K. Blake – CC&V
J. Ratcliff – CC&V
M. Bujenovic – CC&V
N. Townley – CC&V

J. Gillen - Geosyntec

Enc (1)
20210901 DRMS Weekly Report – Low Compaction Zone

File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2021\Outgoing

ATTACHMENT 1

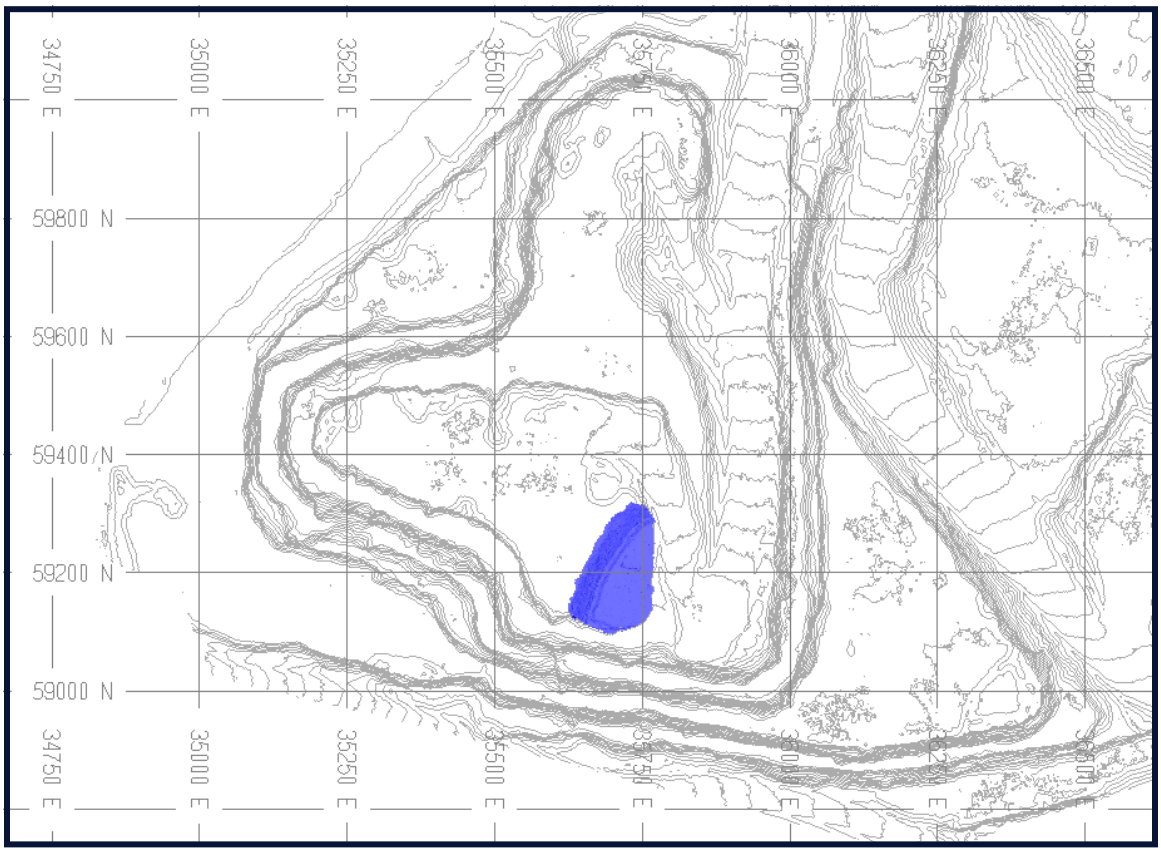
Newmont CC&V

VLF 2 Phase 3 Low Compaction Zone DRMS Weekly Report

1. SHIFT REPORTS:

Report Period: Thursday-Wednesday	Ambient Temperature		Weather Conditions
	High	Low	Precipitation
Date: 8/31/21 – 9/1/21	60	50	Heavy rain for 3 hrs, night shift of 9/1
Observations & Comments	Started dumping first backfill lift on the 9850 elevation with a 20-foot lift. Good rock/fines mix, rocks are 3-4 ft minus. Sourced from Schist Island phase 2 (10075 elevation) and South Cresson (9915 elevation).		

2. AREA OF BACKFILL: Pull dump progression maps, shading the approximate areas where backfill is being placed.



3. ACTIVE BACKFILL AREA PHOTOGRAPH:

4. PHOTOGRAPHIC GRAIN SIZE ANLYSIS: Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

U.S. Standard Sieve Size	Allowable Percent Passing by Dry Weight	Passing by Dry Weight
60– inch	100%	
36-inch	80-100%	
3-inch	40 -100%	

Newmont CC&V

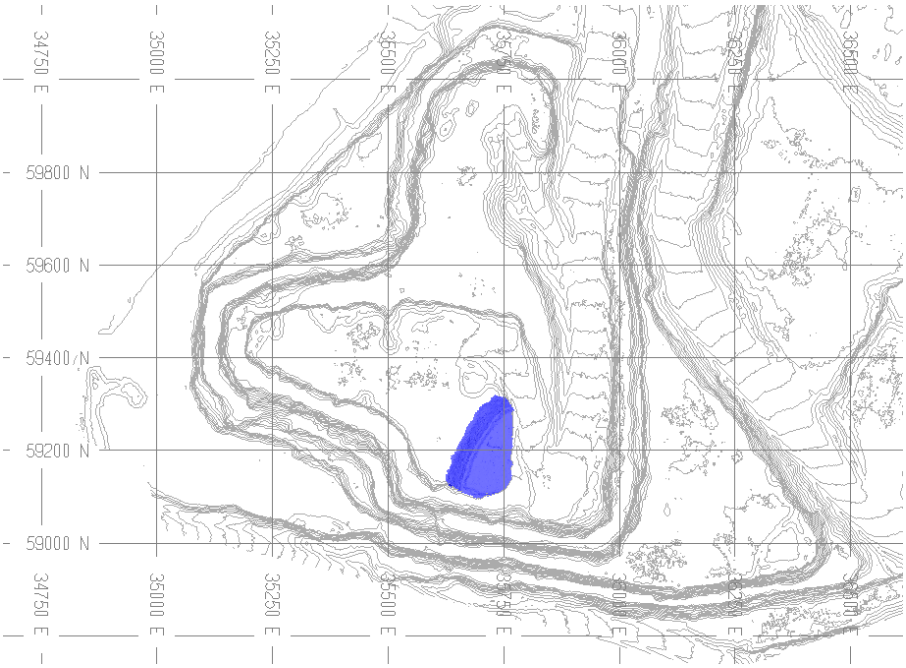
VLF 2 Phase 3 Low Compaction Zone DRMS Weekly Report

DIRECTIONS: Tech Service team member(s), assigned as Construction Quality Assurance Monitors, to compile the below information from daily shifter reports. Save all data from Daily Shifter Reports to be utilized as necessary.

1. **MINIMUM ONCE PER WEEK:** To be filled out only on days when Shifter checks the process of the fill.

Report Period: Thursday-Wednesday	**Ambient Temperature**		**Weather Conditions**
	High	**Low**	**Precipitation**
Date: 8/31/21 – 9/1/21	60	50	Heavy rain for 3 hrs, night shift of 9/1
Observations & Comments	Started dumping first backfill lift on the 9850 elevation with a 20-foot lift. Good rock/fines mix, rocks are 3-4 ft minus. Sourced from Schist Island phase 2 (10075 elevation) and South Cresson (9915 elevation).		

2. **AREA OF BACKFILL:** Pull dump progression maps, shading the approximate areas where backfill is being placed.



3. **ACTIVE BACKFILL AREA PHOTOGRAPH:** Insert 1 photo of backfill activity – if possible, include equipment or vehicles for scale to accurately convey material size. See #4 for size requirements of fill material.

4. **PHOTOGRAPHIC GRAIN SIZE ANALYSIS:** Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

U.S. Standard Sieve Size	Allowable Percent Passing by Dry Weight	Passing by Dry Weight
60– inch	100%	
36-inch	80-100%	
3-inch	40 -100%	

5. **LIFT HEIGHT – NOT TO EXCEED 25FT IN LOW COMPACTION AREAS:**

Lift height <= 25’ ☒ Yes ☐ No

6. APPROVALS: Completed each week by assigned representative or designee.

Role	Name	
Project Manager	Evan Fonger	DocuSigned by: Evan Fonger 539D7BC87A5248E...
Tech Services/ CQA Monitor Manager	Alyson Boye	DocuSigned by: Alyson Boye 20ABF8BC3E9E437...
S&ER Manager	Justin Raglin	DocuSigned by: Justin Raglin A5AA058117F54C4...

Newmont
CRIPPLE CREEK & VICTOR

Newmont Corporation
Cripple Creek & Victor Gold Mining Company
100 North 3rd St
P.O. Box 191
Victor, CO 80860
www.newmont.com

September 15, 2021

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Schist Island Backfill Weekly Report

Mr. Russell,

In accordance with Amendment Thirteen Second Adequacy Review Response, comment number 73; Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) hereby provides a weekly report documenting backfilling activities completed in Schist Island during Week 2 of the project, covering the period from 9/2/21 to 9/8/21.

Should you require further information please do not hesitate to contact Katie Blake at 719-689-4048 or Katie.Blake@Newmont.com or myself at Justin.Raglin@Newmont.com.

Regards,

Justin Raglin
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

EC: E. Russell – DRMS
M. Cunningham – DRMS
M. Crepeau – Teller County
L. Morgan – Teller County
J. Raglin – CC&V
K. Blake – CC&V
J. Ratcliff – CC&V
M. Bujenovic – CC&V
N. Townley – CC&V

J. Gillen - Geosyntec

Enc (1)
20210908 DRMS Weekly Report – Low Compaction Zone

File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2021\Outgoing

ATTACHMENT 1

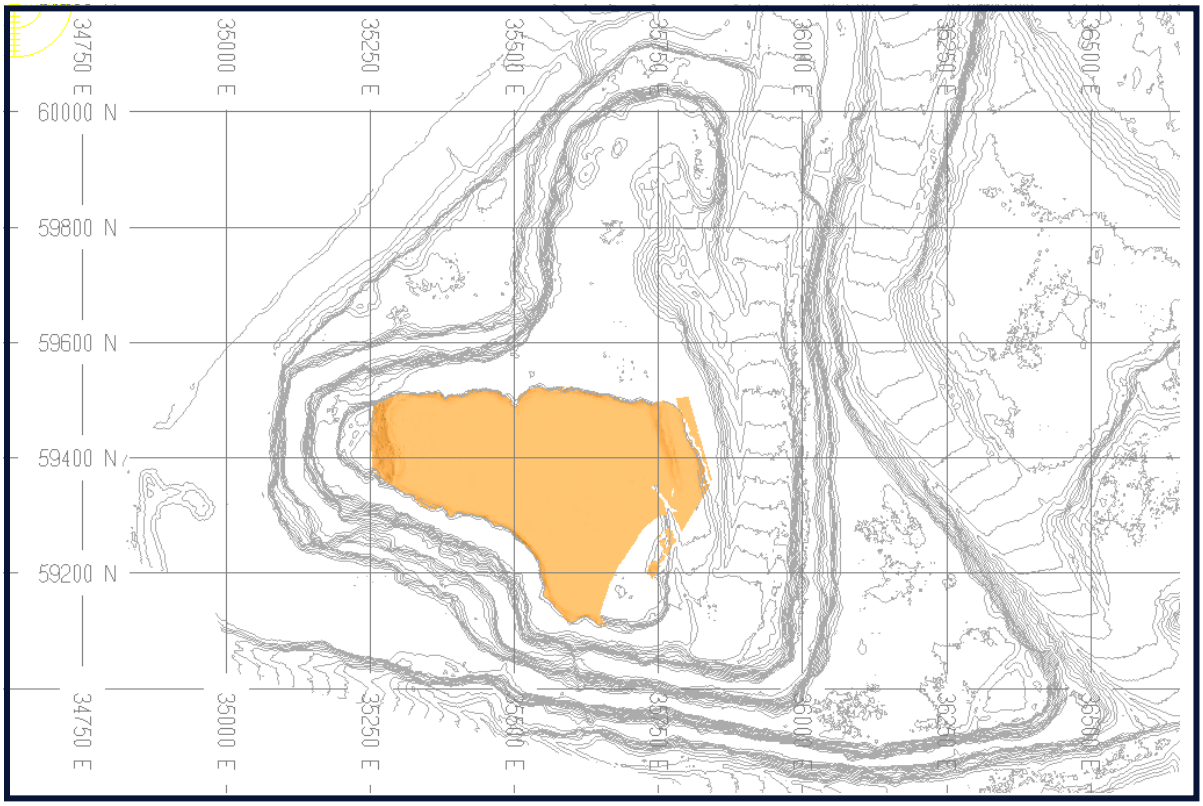
Newmont CC&V

VLF 2 Phase 3 Low Compaction Zone DRMS Weekly Report

1. SHIFT REPORTS:

Report Period: Thursday-Wednesday	Ambient Temperature		Weather Conditions
	High	Low	Precipitation
Date: 9/2/21 – 9/8/21	68	45	None
Observations & Comments	Continued dumping on the 9850 elevation with a 20-foot lift. Good rock/fines mix from South Cresson (9915 elevation) and Schist Island phase 2 (10075 elevation). Some material also delivered from West Cresson (9900 elevation) – any loads with large boulders were hauled to ECOSA.		

2. AREA OF BACKFILL: Pull dump progression maps, shading the approximate areas where backfill is being placed.



3. ACTIVE BACKFILL AREA PHOTOGRAPH:

4. PHOTOGRAPHIC GRAIN SIZE ANLYSIS: Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

U.S. Standard Sieve Size	Allowable Percent Passing by Dry Weight	Passing by Dry Weight
60– inch	100%	
36-inch	80-100%	
3-inch	40 -100%	

Newmont CC&V

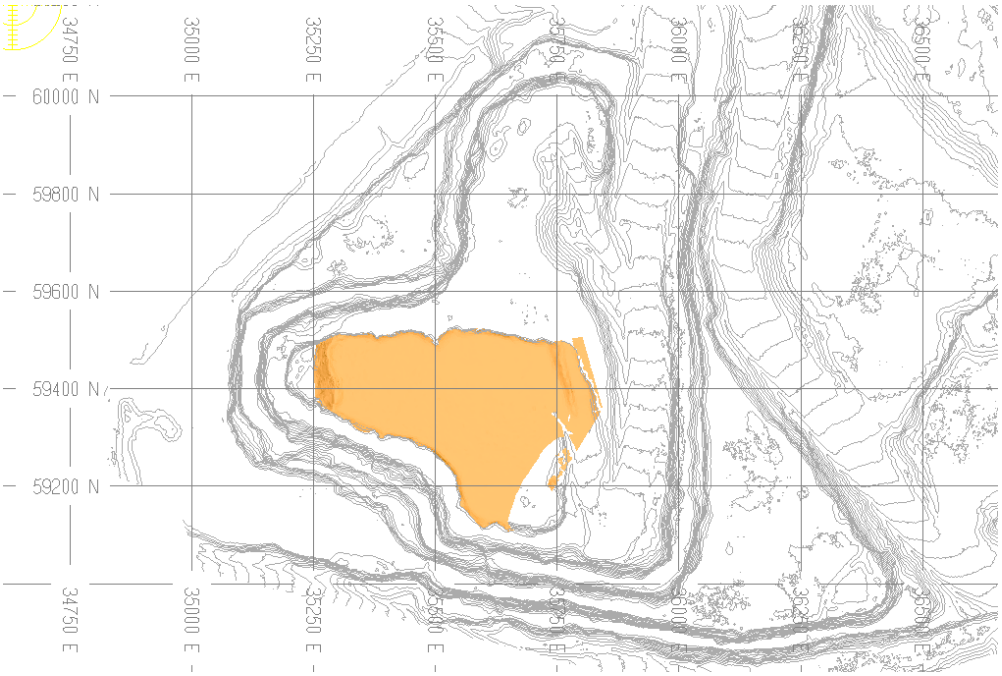
VLF 2 Phase 3 Low Compaction Zone DRMS Weekly Report

DIRECTIONS: Tech Service team member(s), assigned as Construction Quality Assurance Monitors, to compile the below information from daily shifter reports. Save all data from Daily Shifter Reports to be utilized as necessary.

1. **MINIMUM ONCE PER WEEK:** To be filled out only on days when Shifter checks the process of the fill.

Report Period: Thursday-Wednesday	**Ambient Temperature**		**Weather Conditions**
	High	**Low**	**Precipitation**
Date: 9/2/21 – 9/8/21	68	45	None
Observations & Comments	Continued dumping on the 9850 elevation with a 20-foot lift. Good rock/fines mix from South Cresson (9915 elevation) and Schist Island phase 2 (10075 elevation). Some material also delivered from West Cresson (9900 elevation) – any loads with large boulders were hauled to ECOSA.		

2. **AREA OF BACKFILL:** Pull dump progression maps, shading the approximate areas where backfill is being placed.



3. **ACTIVE BACKFILL AREA PHOTOGRAPH:** Insert 1 photo of backfill activity – if possible, include equipment or vehicles for scale to accurately convey material size. See #4 for size requirements of fill material.

4. **PHOTOGRAPHIC GRAIN SIZE ANALYSIS:** Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

U.S. Standard Sieve Size	Allowable Percent Passing by Dry Weight	Passing by Dry Weight
60– inch	100%	
36-inch	80-100%	
3-inch	40 -100%	

5. LIFT HEIGHT – NOT TO EXCEED 25FT IN LOW COMPACTION AREAS:

Lift height <= 25' [X] Yes [ ] No

6. APPROVALS: Completed each week by assigned representative or designee.

Role	Name	
Project Manager	Evan Fonger	DocuSigned by: Evan Fonger
Tech Services/ CQA Monitor Manager	Alyson Boye	DocuSigned by: Alyson Boye 539D7BC87A5248E...
S&ER Manager	Justin Raglin	DocuSigned by: Justin Raglin A5AA058117F54C4...

Newmont
CRIPPLE CREEK & VICTOR

Newmont Corporation
Cripple Creek & Victor Gold Mining Company
100 North 3rd St
P.O. Box 191
Victor, CO 80860
www.newmont.com

September 29, 2021

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Schist Island Backfill Weekly Report

Mr. Russell,

In accordance with Amendment Thirteen Second Adequacy Review Response, comment number 73; Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) hereby provides a weekly report documenting backfilling activities completed in Schist Island during Week 3 of the project, covering the period from 9/9/21 to 9/15/21.

Should you require further information please do not hesitate to contact Katie Blake at 719-689-4048 or Katie.Blake@Newmont.com or myself at Justin.Raglin@Newmont.com.

Regards,

Justin Raglin
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

EC: E. Russell – DRMS
M. Cunningham – DRMS
M. Crepeau – Teller County
L. Morgan – Teller County
J. Raglin – CC&V
K. Blake – CC&V
J. Ratcliff – CC&V
M. Bujenovic – CC&V
N. Townley – CC&V

J. Gillen - Geosyntec

Enc (1)
20210915 DRMS Weekly Report – Low Compaction Zone

File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2021\Outgoing

ATTACHMENT 1

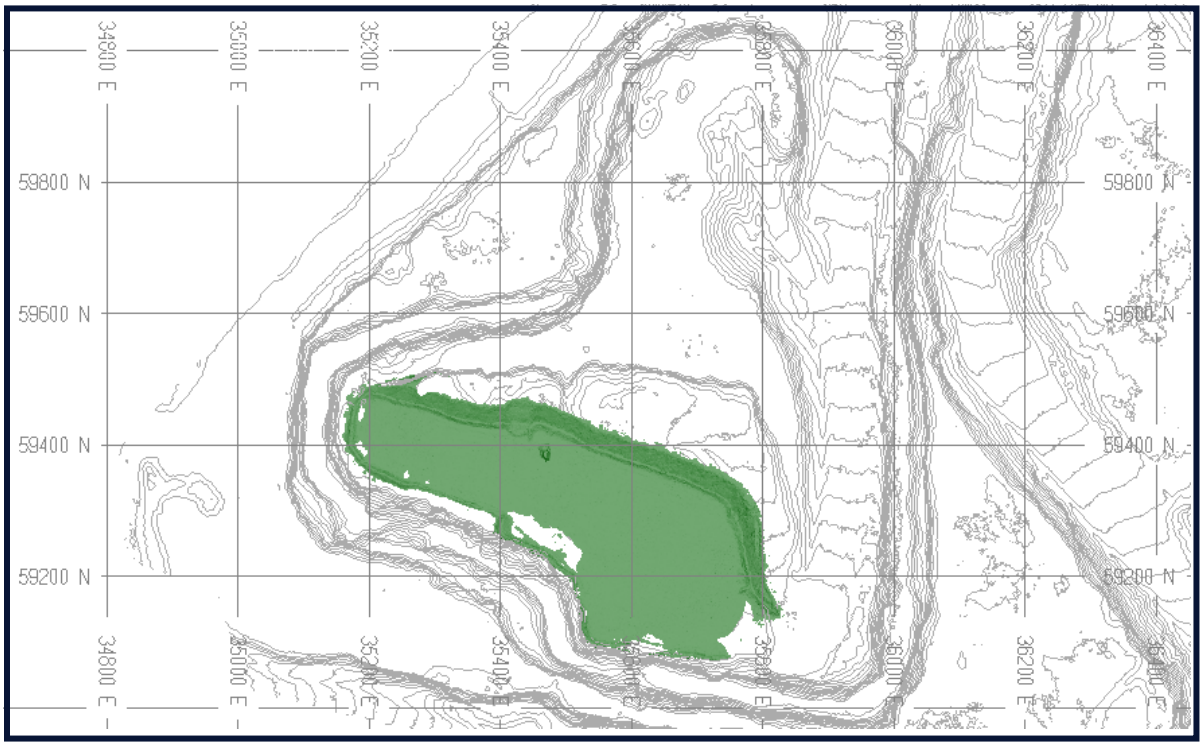
Newmont CC&V

VLF 2 Phase 3 Low Compaction Zone DRMS Weekly Report

1. SHIFT REPORTS:

Report Period: Thursday-Wednesday	Ambient Temperature		Weather Conditions
	High	Low	Precipitation
Date: 9/9/21 – 9/15/21	71	55	Minimal during 2 shifts
Observations & Comments	Completed dumping on the 9850 elevation with a 20-foot lift. Started dumping on the 9865 elevation with a 15-foot lift. Good rock/fines mix from South Cresson (9915 elevation), Schist Island phase 2 (10110 and 10075 elevations) and West Cresson (9865 elevation).		

2. AREA OF BACKFILL: Pull dump progression maps, shading the approximate areas where backfill is being placed.



3. ACTIVE BACKFILL AREA PHOTOGRAPH:

4. PHOTOGRAPHIC GRAIN SIZE ANLYSIS: Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

U.S. Standard Sieve Size	Allowable Percent Passing by Dry Weight	Passing by Dry Weight
60– inch	100%	
36-inch	80-100%	
3-inch	40 -100%	

5. LIFT HEIGHT – NOT TO EXCEED 25FT IN LOW COMPACTION AREAS:

Lift height <= 25' [X] Yes [ ] No

6. APPROVALS: Completed each week by assigned representative or designee.

Role	Name	Signature
Project Manager	Evan Fonger	
OR	*Project Manager Designee: Jeff Gaul*	DocuSigned by: 1122B343C4A54DD...
Tech Services/ CQA Monitor Manager	Alyson Boye	
OR	*Tech Services Designee: Vivek Galla____*	DocuSigned by: F352F8F4250D4B2...
S&ER Manager	Justin Raglin	DocuSigned by: Justin Raglin A5AA058117F54C4...
OR	*S&ER Designee: _____*	

Newmont.
CRIPPLE CREEK & VICTOR

Newmont Corporation
Cripple Creek & Victor Gold Mining Company
100 North 3rd St
P.O. Box 191
Victor, CO 80860
www.newmont.com

October 6, 2021

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Schist Island Backfill Weekly Report

Mr. Russell,

In accordance with Amendment Thirteen Second Adequacy Review Response, comment number 73; Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) hereby provides a weekly report documenting backfilling activities completed in Schist Island during Week 4 of the project, covering the period from 9/16/21 to 9/22/21.

Should you require further information please do not hesitate to contact Katie Blake at 719-689-4048 or Katie.Blake@Newmont.com or myself at Justin.Raglin@Newmont.com.

Regards,

Justin Raglin
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

EC: E. Russell – DRMS
M. Cunningham – DRMS
M. Crepeau – Teller County
L. Morgan – Teller County
J. Raglin – CC&V
K. Blake – CC&V
J. Ratcliff – CC&V
M. Bujenovic – CC&V

N. Townley – CC&V
J. Gillen - Geosyntec

Enc (1)
20210922 DRMS Weekly Report – Low Compaction Zone

File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2021\Outgoing

ATTACHMENT 1

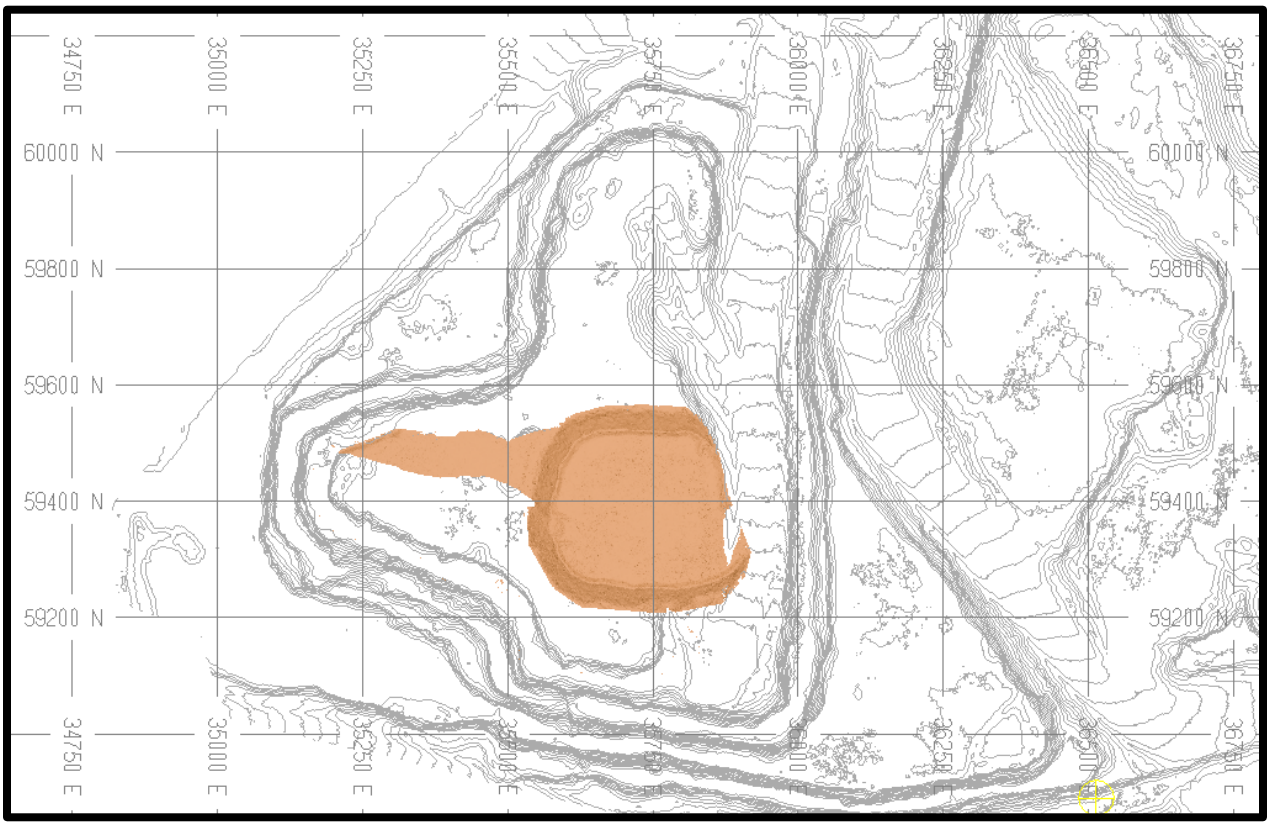
Newmont CC&V

VLF 2 Phase 3 Low Compaction Zone DRMS Weekly Report

1. SHIFT REPORTS:.

Report Period: Thursday-Wednesday	Ambient Temperature		Weather Conditions
	High	Low	Precipitation
Date: 9/16/21 – 9/22/21	74	32	none
Observations & Comments	Completed dumping on the 9865 elevation with a 15-foot lift. Started dumping on the 9885 elevation with a 20-foot lift. Good rock/fines mix from South Cresson (9915 elevation) and Schist Island phase 2 (10110 elevation). Some material meeting specs was hauled from West Cresson towards the end of the week (9830 elevation).		

2. AREA OF BACKFILL: Dump progression map with shading for the areas where backfill was placed.



3. ACTIVE BACKFILL AREA PHOTOGRAPH:

4. PHOTOGRAPHIC GRAIN SIZE ANALYSIS: Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

U.S. Standard Sieve Size	Allowable Percent Passing by Dry Weight	Passing by Dry Weight
60– inch	100%	
36-inch	80-100%	
3-inch	40 -100%	

5. LIFT HEIGHT – NOT TO EXCEED 25FT IN LOW COMPACTION AREAS:

✖

Lift height <= 25' ☐ Yes ☐ No

6. APPROVALS: Completed each week by assigned representative or designee.

Role	Name	Signature
Project Manager	Evan Fonger	
OR	*Project Manager Designee: Jeff Gaul*	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Tech Services/ CQA Monitor Manager	Alyson Boye	DocuSigned by: Alyson Boye 20ABF8BC3E9E437...
OR	*Tech Services Designee: __Vivek Galla__*	
S&ER Manager	Justin Raglin	DocuSigned by: Justin Raglin A5AA058117F54C4...
OR	*S&ER Designee: _____*	

Newmont
CRIPPLE CREEK & VICTOR

Newmont Corporation
Cripple Creek & Victor Gold Mining Company
100 North 3rd St
P.O. Box 191
Victor, CO 80860
www.newmont.com

October 13, 2021

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Schist Island Backfill Weekly Report

Mr. Russell,

In accordance with Amendment Thirteen Second Adequacy Review Response, comment number 73; Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) hereby provides a weekly report documenting backfilling activities completed in Schist Island during Week 5 of the project, covering the period from 9/23/21 to 9/29/21.

Should you require further information please do not hesitate to contact Katie Blake at 719-689-4048 or Katie.Blake@Newmont.com or myself at Justin.Raglin@Newmont.com.

Regards,

DocuSigned by:
Justin Raglin
A5AA058117F54C4...

Justin Raglin
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

EC: E. Russell – DRMS
M. Cunningham – DRMS
M. Crepeau – Teller County
L. Morgan – Teller County
J. Raglin – CC&V
K. Blake – CC&V
J. Ratcliff – CC&V
M. Bujenovic – CC&V
N. Townley – CC&V

J. Gillen - Geosyntec

Enc (1)
20210929 DRMS Weekly Report – Low Compaction Zone

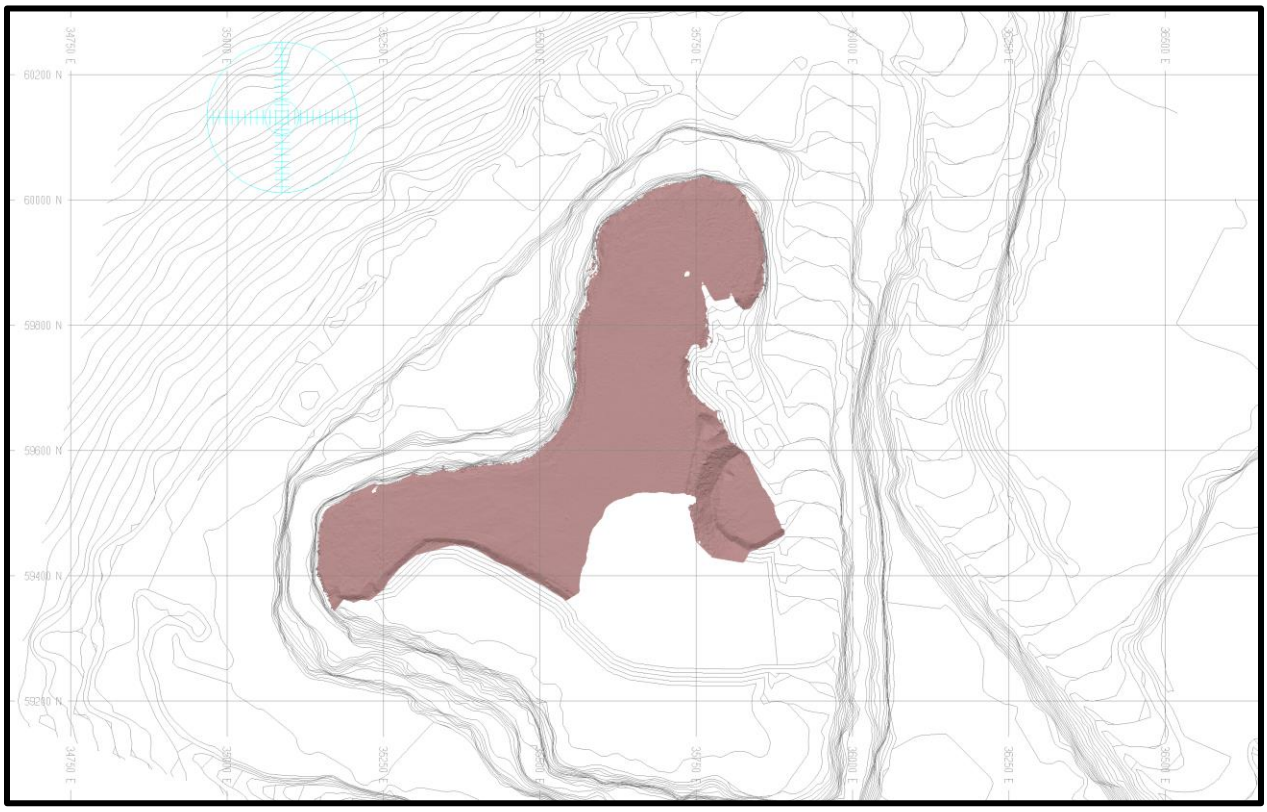
File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2021\Outgoing

ATTACHMENT 1

1. SHIFT REPORTS:.

Report Period: Thursday-Wednesday	Ambient Temperature		Weather Conditions
	High	Low	Precipitation
Date: 9/23/21 – 9/29/21	71	36	Yes, ~0.25 inch total
Observations & Comments	Completed dumping on the 9885 elevation with a 20-foot lift. Started dumping on the 9905 elevation with a 20-foot lift. Good rock/fines mix from South Cresson, West Cresson, and Schist Island phase 2.		

2. AREA OF BACKFILL: Dump progression map with shading for the areas where backfill was placed.



3. ACTIVE BACKFILL AREA PHOTOGRAPH:

4. PHOTOGRAPHIC GRAIN SIZE ANALYSIS: Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

U.S. Standard Sieve Size	Allowable Percent Passing by Dry Weight	Passing by Dry Weight
60– inch	100%	100%
36-inch	80-100%	100%
3-inch	40 -100%	46%

5. LIFT HEIGHT – NOT TO EXCEED 25FT IN LOW COMPACTION AREAS:

Lift height <= 25’ ☒ Yes ☐ No

6. **APPROVALS:** Completed each week by assigned representative or designee.

Role	Name	Signature
Project Manager	Evan Fonger	
OR	*Project Manager Designee: Jeff Gaul*	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Tech Services/ CQA Monitor Manager	Brian Crawford	DocuSigned by: Brian Crawford 0A16580526894D9...
OR	*Tech Services Designee: __Vivek Galla__*	
S&ER Manager	Justin Raglin	DocuSigned by: Justin Raglin A5AA058117F54C4...
OR	*S&ER Designee: _______________*	

Newmont
CRIPPLE CREEK & VICTOR

Newmont Corporation
Cripple Creek & Victor Gold Mining Company
100 North 3rd St
P.O. Box 191
Victor, CO 80860
www.newmont.com

October 19, 2021

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Schist Island Backfill Weekly Report

Mr. Russell,

In accordance with Amendment Thirteen Second Adequacy Review Response, comment number 73; Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) hereby provides a weekly report documenting backfilling activities completed in Schist Island during Week 6 of the project, covering the period from 9/30/21 to 10/6/21.

Please note in Section 4 of this submittal, photographic grain size analysis was submitted on the last day of September and submitted in the Week 5 report.

Should you require further information please do not hesitate to contact Katie Blake at 719-689-4048 or Katie.Blake@Newmont.com or myself at Justin.Raglin@Newmont.com.

Regards,

PP Katie Blake

Justin Raglin
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

EC: E. Russell – DRMS
M. Cunningham – DRMS
M. Crepeau – Teller County
L. Morgan – Teller County
J. Raglin – CC&V
K. Blake – CC&V

J. Ratcliff – CC&V
M. Bujenovic – CC&V
N. Townley – CC&V
J. Gillen - Geosyntec

Enc (1)
20211006 DRMS Weekly Report – Low Compaction Zone

File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2021\Outgoing

ATTACHMENT 1

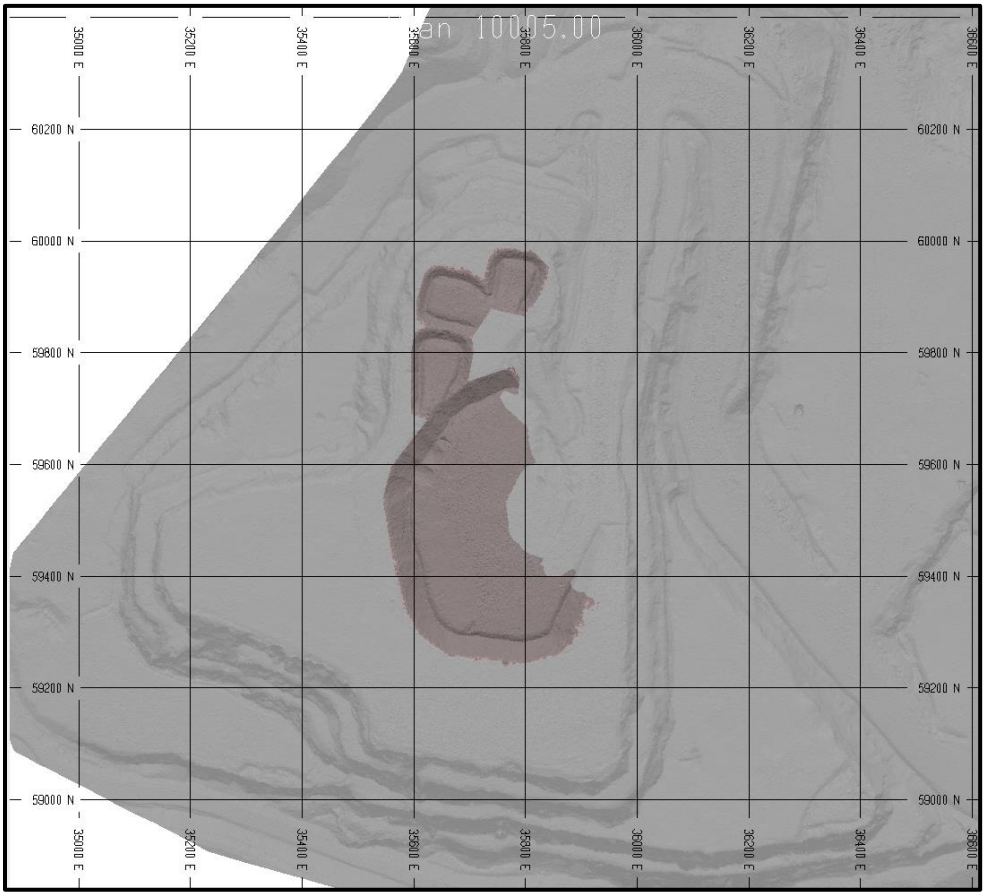
Newmont CC&V

VLF 2 Phase 3 Low Compaction Zone DRMS Weekly Report

1. SHIFT REPORTS:.

Report Period: Thursday-Wednesday	Ambient Temperature		Weather Conditions
	High	Low	Precipitation
Date: 9/30/21 – 10/06/21	66	32	Yes, ~0.25 inch total
Observations & Comments	Progressed dumping on the 9905 elevation with a 20-foot lift. Good rock/fines mix from South Cresson, West Cresson, and Schist Island phase 2. Prepped the high compaction backfill test pads on the North end of the work area.		

2. AREA OF BACKFILL: Dump progression map with shading for the areas where backfill was placed.



3. ACTIVE BACKFILL AREA PHOTOGRAPH:

4. PHOTOGRAPHIC GRAIN SIZE ANALYSIS: Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

N/A

5. LIFT HEIGHT – NOT TO EXCEED 25FT IN LOW COMPACTION AREAS:

Lift height <= 25' [X] Yes [ ] No

6. APPROVALS: Completed each week by assigned representative or designee.

Role	Name	Signature
Project Manager	Evan Fonger	DocuSigned by: Evan Fonger 539D7BC87A5248E...
OR	*Project Manager Designee: Jeff Gaul*	
Tech Services/ CQA Monitor Manager	Brian Crawford	DocuSigned by: Brian Crawford 0A16580526894D9...
OR	*Tech Services Designee: __Vivek Galla__*	
S&ER Manager	Justin Raglin	
OR	*S&ER Designee: Katie Blake*	DocuSigned by: Katie Blake 5A3D013B629844B...

Newmont.
CRIPPLE CREEK & VICTOR

Newmont Corporation
Cripple Creek & Victor Gold Mining Company
100 North 3rd St
P.O. Box 191
Victor, CO 80860
www.newmont.com

October 28, 2021

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Schist Island Backfill Weekly Report

Mr. Russell,

In accordance with Amendment Thirteen Second Adequacy Review Response, comment number 73; Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) hereby provides a weekly report documenting backfilling activities completed in Schist Island during Week 7 of the project, covering the period from 10/7/21 to 10/13/21.

Should you require further information please do not hesitate to contact Katie Blake at 719-689-4048 or Katie.Blake@Newmont.com or myself at Justin.Raglin@Newmont.com.

Regards,

Justin Raglin
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

EC: E. Russell – DRMS
M. Cunningham – DRMS
M. Crepeau – Teller County
L. Morgan – Teller County
J. Raglin – CC&V
K. Blake – CC&V
J. Ratcliff – CC&V
M. Bujenovic – CC&V
N. Townley – CC&V

J. Gillen - Geosyntec

Enc (1)
20211013 DRMS Weekly Report – Low Compaction Zone

File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2021\Outgoing

ATTACHMENT 1

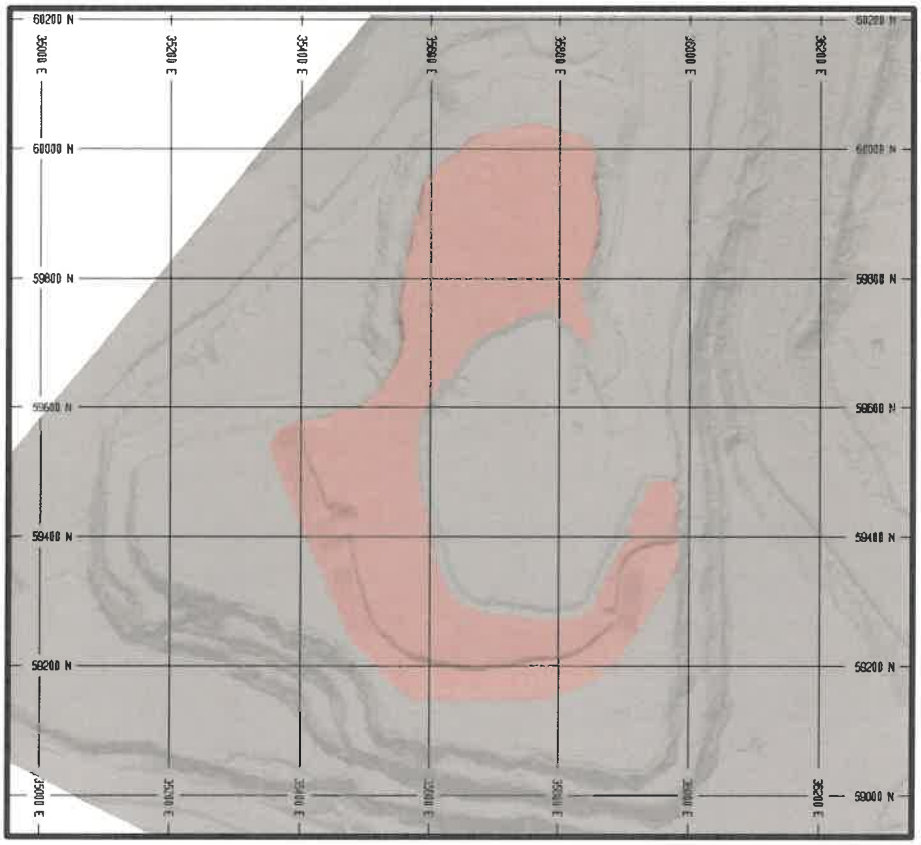
Newmont CC&V

VLF 2 Phase 3 Low Compaction Zone DRMS Weekly Report

1. SHIFT REPORTS:.

Report Period: Thursday-Wednesday	Ambient Temperature		Weather Conditions
	High	Low	Precipitation
Date: 10/07/21 – 10/13/21	60	22	Yes, ~0.25 inch total
Observations & Comments	Progressed dumping on the 9905 elevation with a 20-foot lift. Good rock/fines mix from South Cresson, West Cresson, and Schist Island phase 2.		

2. **AREA OF BACKFILL:** Dump progression map with shading for the areas where backfill was placed.



3. ACTIVE BACKFILL AREA PHOTOGRAPH:

4. **PHOTOGRAPHIC GRAIN SIZE ANALYSIS:** Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

N/A

5. **LIFT HEIGHT - NOT TO EXCEED 25FT IN LOW COMPACTION AREAS:**

✖

Lift height <= 25' [X] Yes [ ] No

6. **APPROVALS:** Completed each week by assigned representative or designee.

Role	Name	Signature
Project Manager	Evan Fonger	
OR	*Project Manager Designee: Jeff Gaul*	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Tech Services/ CQA Monitor Manager	Brian Crawford	DocuSigned by: Brian Crawford 0A16580526894D9...
OR	*Tech Services Designee: __Vivek Galla__*	
S&ER Manager	Justin Raglin	DocuSigned by: Justin Raglin A5AA058117F54C4...
OR	*S&ER Designee: _____*	

Newmont
CRIPPLE CREEK & VICTOR

Newmont Corporation
Cripple Creek & Victor Gold Mining Company
100 North 3rd St
P.O. Box 191
Victor, CO 80860
www.newmont.com

November 4, 2021

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Schist Island Backfill Weekly Report

Mr. Russell,

In accordance with Amendment Thirteen Second Adequacy Review Response, comment number 73; Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) hereby provides a weekly report documenting backfilling activities completed in Schist Island during Week 8 of the project, covering the period from 10/14/21 to 10/22/21.

Please note that during Week 8, backfill activities included completion of low compaction backfill and installation of high compaction test pads. This Week 8 submission includes the low compaction backfill weekly report prepared by CC&V Mine Technical Services (Attachment 1) and the initial high compaction backfill weekly report prepared by NewFields (Attachment 2).

The low compaction reporting period was defined as Thursday-Wednesday, and high compaction reporting period will transition to Saturday-Friday. To accommodate this transition, reports for Week 8 cover an 8-day period: Attachment 1 (10/14-10/20) and Attachment 2 (10/16-10/22).

Should you require further information please do not hesitate to contact Katie Blake at 719-689-4048 or Katie.Blake@Newmont.com or myself at Justin.Raglin@Newmont.com.

Regards,

DocuSigned by:
Katie Blake
5A3D013B629844B...

Justin Raglin
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

EC: E. Russell – DRMS
M. Cunningham – DRMS
M. Crepeau – Teller County
L. Morgan – Teller County
J. Raglin – CC&V
K. Blake – CC&V
J. Ratcliff – CC&V
M. Bujenovic – CC&V
N. Townley – CC&V
J. Gillen - Geosyntec

Enc (2)
20211020 DRMS Weekly Report – Low Compaction Zone
WE2021.10.22 VLF2 Phase 3 Weekly Report

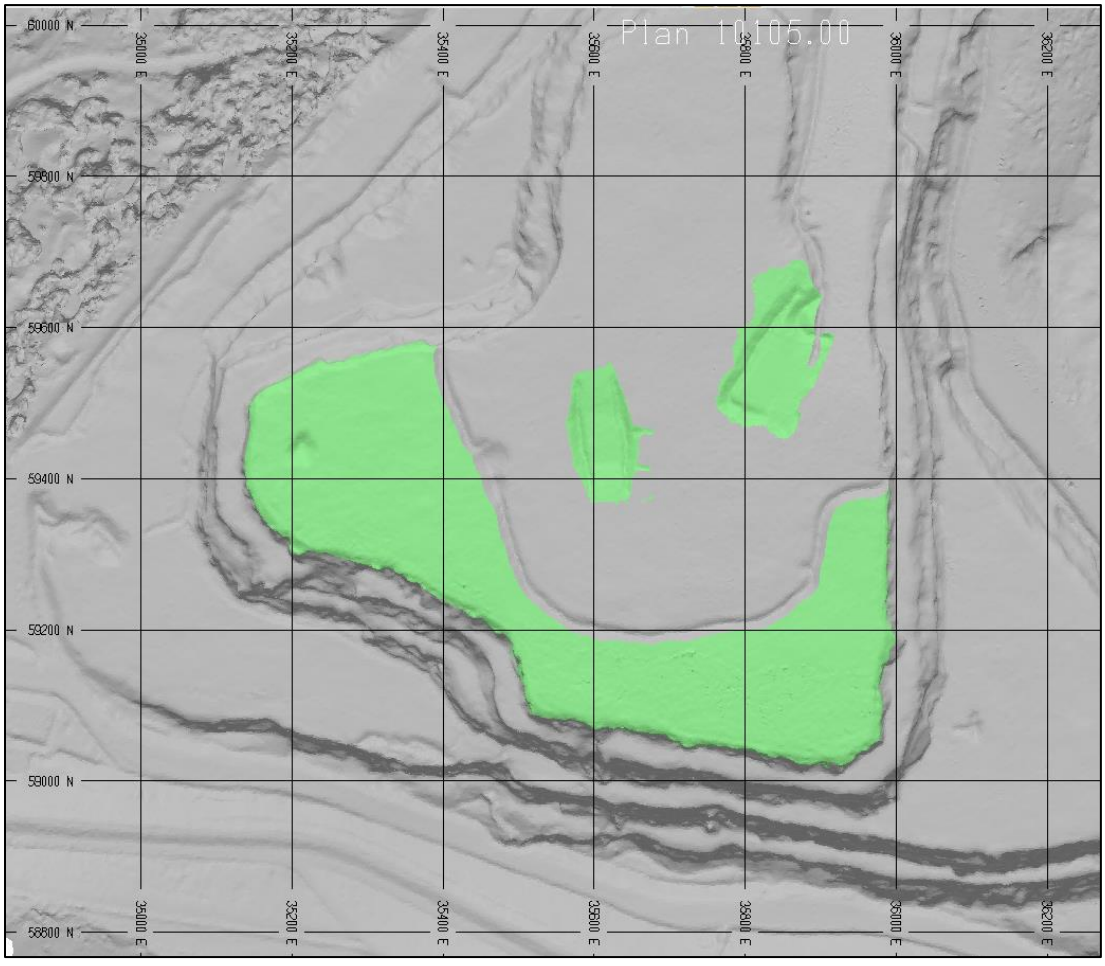
File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2021\Outgoing

ATTACHMENT 1

1. SHIFT REPORTS:.

Report Period: Thursday-Wednesday	Ambient Temperature		Weather Conditions
	High	Low	Precipitation
Date: 10/13/21 – 10/20/21	62	16	Yes
Observations & Comments	Completed the final low compaction lift on the 9505 and established the last high compaction test areas. Good rock/fines mix from South Cresson, West Cresson, and Schist Island phase 2.		

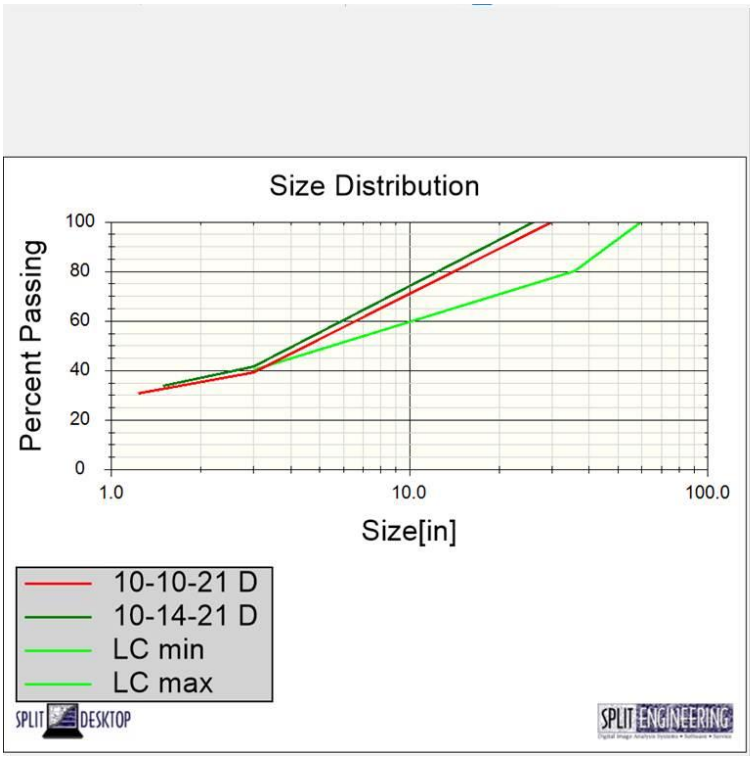
2. AREA OF BACKFILL: Dump progression map with shading for the areas where backfill was placed.



3. ACTIVE BACKFILL AREA PHOTOGRAPH:

4. PHOTOGRAPHIC GRAIN SIZE ANALYSIS: Completed first week of each month for the month prior. For example: Completed first week of March for month of February.

U.S. Standard Sieve Size	Allowable Percent Passing by Dry Weight	Passing by Dry Weight
60– inch	100%	100%
36-inch	80-100%	100%
3-inch	40 -100%	40%



Size[in]	Combined % Passing	10-10-21 D % Passing	10-14-21 D % Passing
36.00	100.00	100.00	100.00
3.00	40.40	39.20	41.61

% Passing	Combined Size[in]	10-10-21 D Size[in]	10-14-21 D Size[in]
F10	0.02	0.02	0.02
F20	0.24	0.24	0.25
F30	1.06	1.13	1.01
F40	2.91	3.23	2.68
F50	5.57	6.67	4.83
F60	8.07	9.35	6.97
F70	10.69	12.16	9.26
F80	14.00	15.93	12.28
F90	18.81	21.57	16.47
Topsize (99.95%)	30.21	30.29	26.32

	Combined	10-10-21 D	10-14-21 D
Fines Cutoff[in]	1.23	1.23	1.50
Longitude	---	---	---
Latitude	---	---	---
Elevation	---	---	---

5. LIFT HEIGHT – NOT TO EXCEED 25FT IN LOW COMPACTION AREAS:

Lift height <= 25' [X] Yes [ ] No

6. APPROVALS: Completed each week by assigned representative or designee.

Role	Name	Signature
Project Manager	Evan Fonger	DocuSigned by: Evan Fonger 539D7BC87A5248E...
OR	*Project Manager Designee: Jeff Gaul*	
Tech Services/ CQA Monitor Manager	Brian Crawford	DocuSigned by: Brian Crawford 0A16580526894D9...
OR	*Tech Services Designee: __Vivek Galla__*	
S&ER Manager	Justin Raglin	
OR	*S&ER Designee: __Katie Blake__*	DocuSigned by: Katie Blake 5A3D013B629844B...

ATTACHMENT 2

FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, OCTOBER 22, 2021

REPORTING PERIOD: 10.16.2020 THROUGH 10.22.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 46°F TO 55°F

LOWS: 26°F TO 40°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY CLOUDY

PRECIPITATION: TRACE SNOW 10/19

WIND: WIND GUSTS FROM 10 TO 25 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Oct 16	Oct 17	Oct 18	Oct 19	Oct 20	Oct 21	Oct 22
Tyler Wendlandt		LS	LS	LS	LS	LS	

PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer

1.0 MINING OPERATIONS

1.1 High Compaction Back Fill

Mine operations and ForeSight West Survey completed the plug dump test fill within the high compaction fill limits (9910' lift). High Compaction backfill material was plug dumped by 793 haul trucks and placed in a GPS controlled 5-foot loose lift by a D10 dozer. Survey then placed a twenty-point control grid on the surface of the loose fill and took coordinates and elevations on each point. The test fill was then wheel rolled by a loaded 793 haul truck. Once the 793 had travelled over the entirety of the surface of the test fill twice (simulating a down and back pass), survey continued to take elevations on each point. This method continued until survey

determined that the settlement of the fill had stopped under the weight of the 793 haul truck during wheel rolling.

No other high compaction material was placed during the week.

2.0 NEWFIELDS ACTIVITIES

NewFields personnel monitored the plug dump test fill during wheel rolling and survey activities.

NewFields personnel approved the surface of the low compaction backfill for the placement of the first high compaction lift. Two areas (including the footprint of the plug dump test pad) had been selected previously and surveyed, wheel rolled, and surveyed again to ensure a solid surface was in place for the placement of the first lift of high compaction fill. The foundation surface was rough due to the coarseness of the material and did not require ripping or any additional preparation.

3.0 MEETINGS AND COMMUNICATIONS

NewFields personnel attended (Webex) the weekly Schist 1 Backfill, Ridge Mining, and PSSA Construction Sync meeting on Wednesday, October 20th with representatives from Operations, Technical Services, Environmental, and NewFields. Items on the agenda included a safety/value share, progress updates, reporting, DRMS inspection feedback, request for specification change with DRMS feedback, void planning, Turkey Ridge mining plan, and schedule concerns.

4.0 MISCELLANEOUS, ISSUES, AND CONCERNS

No activity during this reporting period.

5.0 PHOTOGRAPHS

October 18, 2021 – Material size on plug dump test fill with tape measure for scale (TW)

October 18, 2021 – High Compaction Backfill Test Pad wheel rolling progress (TW)

October 18, 2021 – High Compaction Backfill Test Pad surface after wheel rolling with paint can for scale (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	
Or Projects Designee		DocuSigned by: 539D7BC87A5248E...

Attachments:

Figure 1 – High Compaction Fill Progress Aerial Photo

Figure 1 Aerial Progress Photo

Newmont
CRIPPLE CREEK & VICTOR

Newmont Corporation
Cripple Creek & Victor Gold Mining Company
100 North 3rd St
P.O. Box 191
Victor, CO 80860
www.newmont.com

November 10, 2021

ELECTRONIC DELIVERY

Mr. Elliott Russell
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; Schist Island Backfill Weekly Report

Mr. Russell,

In accordance with Amendment Thirteen Second Adequacy Review Response, comment number 73; Newmont Corporation's Cripple Creek and Victor Gold Mining Company (CC&V) hereby provides a weekly report documenting backfilling activities completed in Schist Island during Week 9 of the project, covering the period from 10/23/21 to 10/29/21.

Should you require further information please do not hesitate to contact Katie Blake at 719-689-4048 or Katie.Blake@Newmont.com or myself at Justin.Raglin@Newmont.com.

Regards,

DocuSigned by:
Justin Raglin
A5AA058117F54C4...

Justin Raglin
Sustainability & External Relations Manager
Cripple Creek and Victor Gold Mining Company

JR/jmr

EC: E. Russell – DRMS
M. Cunningham – DRMS
M. Crepeau – Teller County
L. Morgan – Teller County
J. Raglin – CC&V
K. Blake – CC&V
J. Ratcliff – CC&V

M. Bujenovic – CC&V
N. Townley – CC&V
J. Gillen - Geosyntec

Enc (1)
WE2021.10.29 VLF2 Phase 3 Weekly Report

File: S:\CrippleCreek\na.cc.admin\Environmental\New File Structure\2-Correspondence\DNR\DRMS\2021\Outgoing

ATTACHMENT 1

FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, OCTOBER 29, 2021

REPORTING PERIOD: 10.23.2020 THROUGH 10.29.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 38°F TO 63°F

LOWS: 21°F TO 42°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY CLOUDY

PRECIPITATION: TRACE SNOW 10/26

WIND: WIND GUSTS FROM 10 TO 40 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Oct 23	Oct 24	Oct 25	Oct 26	Oct 27	Oct 28	Oct 29
Tyler Wendlandt	-	LS	LS	LS	LS	LS	-

PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V began the placement of the 9910’ elevation high compaction backfill lift. Material was loaded from the Schist Island Pit and West Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed the material in a 5’ GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall during the shift.

CC&V shovel and loader operators monitored the material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met daily with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended (WebEx) the weekly Schist 1 Backfill, Ridge Mining, and PSSA Construction Sync meeting on Wednesday, October 27th with representatives from Newmont Operations, Technical Services, Environmental, and NewFields. Items on the agenda included a safety/value share, progress updates, reporting, void planning, Turkey Ridge mining plan, and schedule concerns.

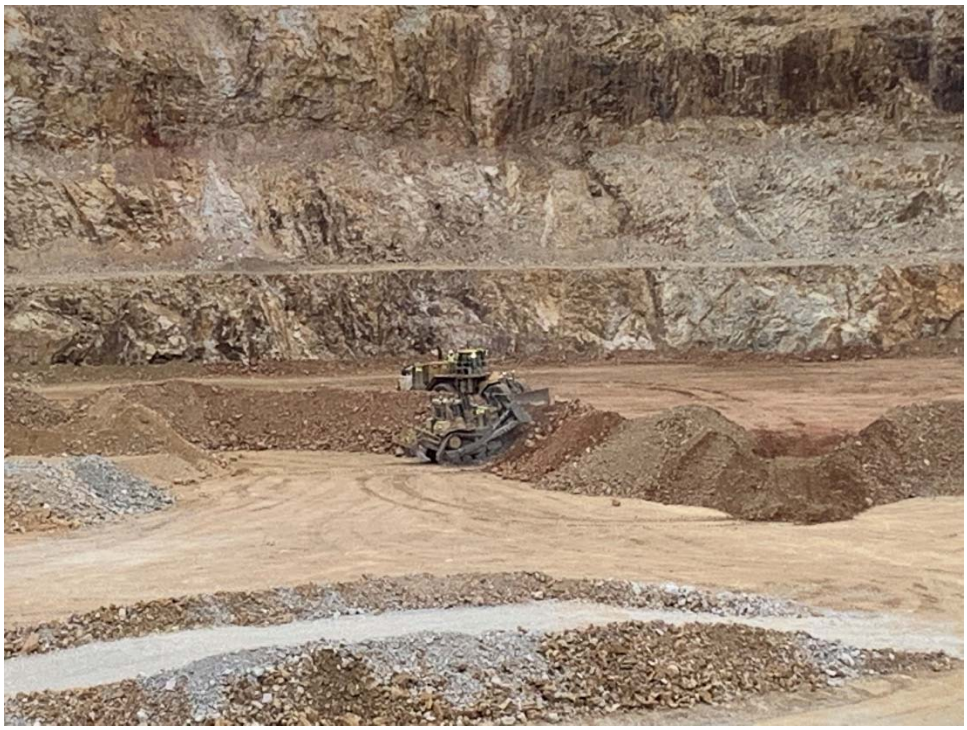
NewFields personnel attended the Schist Island Pit Backfill portion of the bi-weekly DRMS Inspection. NewFields personnel answered questions pertaining to project specifications and requirements during the inspection.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

The Chevy Underground Working Remediation was damaged on Sunday, October 24, 2021. Newmont Mine Technical Services informed NewFields of the damage and an inspection was scheduled for Monday, October 25th, 2021. A D10 dozer had removed the select structural fill while cutting in a ramp for the 9910’ lift and exposed the geogrid damaging it. The extents of the damage were inspected and surveyed. The area was not covered and is scheduled to be repaired on Monday, November 1, 2021.

4.0 PHOTOGRAPHS

October 25, 2021 – Chevy Underground Working remediation exposed geogrid (TW)



October 26, 2021 – High Compaction Backfill oversize material removal (TW)

October 28, 2021 – High Compaction Backfill Progress (TW)

October 29, 2021 – High Compaction Backfill Progress (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – High Compaction Fill Progress Aerial Photo

Figure 1: Aerial Progress Photo

FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, NOVEMBER 5, 2021

REPORTING PERIOD: 10.30.2020 THROUGH 11.05.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 40°F TO 57°F

LOWS: 26°F TO 37°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY CLOUDY

PRECIPITATION: TRACE SNOW 11/1; 11/2

WIND: WIND GUSTS FROM 10 TO 25 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Oct 30	Oct 31	Nov 1	Nov 2	Nov 3	Nov 4	Nov 5
Tyler Wendlandt	-	LS	LS	LS	LS	LS	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9910’ elevation high compaction backfill lift. CC&V began the placement of the 9915’ elevation high compaction backfill lift. Material was loaded from the Schist Island Pit and West Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed the material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall during the shift.

CC&V shovel and loader operators monitored the material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met daily with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended (WebEx) the weekly Schist 1 Backfill, Ridge Mining, and PSSA Construction Sync meeting on Wednesday, November 3rd with representatives from Newmont Operations, Technical Services, and Environmental. Items on the agenda included a safety/value share, progress updates, reporting, void planning, Turkey Ridge mining plan, and schedule concerns.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- The Chevy Underground Working Remediation repair was completed. The geogrid damage was covered with another layer of geogrid and recovered with select structural fill. All repair areas were overlapped a minimum of 5 feet.

- NewFields personnel approved the 9910’ elevation lift. Visual inspection, controlled survey grids and the method compaction specification were utilized to approve the lift.

- NewFields personnel approved a section of the 9915’ elevation lift. Visual inspection, controlled survey grids and the method compaction specification were utilized to approve the lift.

4.0 PHOTOGRAPHS

October 30, 2021 – High Compaction Backfill controlled survey grid (TW)

October 30, 2021 – High Compaction Backfill progress (TW)

November 5, 2021 – High Compaction Backfill wheel rolling (TW)

November 5, 2021 – High Compaction Backfill wheel rolling controlled survey grid (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – High Compaction Fill Progress Aerial Photo

Figure 1: Aerial Progress Photo

FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, NOVEMBER 12, 2021

REPORTING PERIOD: 11.06.2021 THROUGH 11.12.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 40°F TO 60°F

LOWS: 20°F TO 36°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY CLOUDY

PRECIPITATION: NONE

WIND: WIND GUSTS FROM 10 TO 40 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Nov 6	Nov 7	Nov 8	Nov 9	Nov 10	Nov 11	Nov 12
Tyler Wendlandt	-	LS	LS	LS	LS	LS	LS

PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9915’ elevation high compaction backfill lift. CC&V began the placement of the 9920’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. Material designated for crushing was hauled to the crusher from the West/South Cresson Pit and then loaded into 793 haul trucks at the Load Out Bin. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the

entirety of the fill, splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met daily with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended (WebEx) the weekly Schist 1 Backfill, Ridge Mining, and PSSA Construction Sync meeting on Wednesday, November 10th with representatives from Newmont Operations, Technical Services, and Environmental. Items on the agenda included a safety/value share, progress updates, reporting, void planning, Turkey Ridge mining plan, and schedule concerns.

NewFields personnel attended the Schist Island Pit Backfill portion of the bi-weekly DRMS Inspection on Wednesday, November 10th. NewFields personnel answered questions pertaining to project specifications and requirements during the inspection.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval the 9915’ elevation lift. Visual inspection, controlled survey grids and the method compaction specification were utilized to approve the lift.

- CC&V operations began to crush waste material for placement as high compaction backfill on the 9920’ elevation lift. Visual inspection by NewFields determined that the crushed waste was a material change from the material utilized in developing the method compaction specification. Water volume replacement density testing was conducted on the in-place compacted crushed material.

- NewFields personnel approved sections of the 9920’ elevation lift. Visual inspection, the method compaction specification, and water volume replacement density testing were utilized to approve the sections.

4.0 PHOTOGRAPHS

November 7, 2021 – High Compaction Backfill placement and wheel rolling (TW)

November 11, 2021 – High Compaction Backfill wheel rolling (TW)

November 11, 2021 – High Compaction Backfill wheel rolling (TW)

November 11, 2021 – High Compaction Backfill water volume replacement excavation (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress (Photo Date 11/5/21)

Figure 2 – Section Approval Progress and 9925’ Lift Progress (Photo Date 11/12/21)

Figure 1: Section Approval Progress (Photo Date 11/5/21)

Figure 2: Section Approval Progress and 9925' Lift Progress (Photo Date 11/12/21)

FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, NOVEMBER 19, 2021

REPORTING PERIOD: 11.13.2021 THROUGH 11.19.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 31°F TO 53°F

LOWS: 15°F TO 40°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY CLOUDY

PRECIPITATION: NONE

WIND: WIND GUSTS FROM 10 TO 30 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Nov 6	Nov 7	Nov 8	Nov 9	Nov 10	Nov 11	Nov 12
Tyler Wendlandt	LS	LS	LS	LS	LS	LS	LS

PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9920’ and 9925’ elevation high compaction backfill lifts. CC&V began the placement of the 9930’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met daily with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended (WebEx) the weekly Schist 1 Backfill, Ridge Mining, and PSSA Construction Sync meeting on Wednesday, November 17th with representatives from Newmont Operations, Technical Services, and Environmental. Items on the agenda included a safety/value share, progress updates, reporting, void planning, Turkey Ridge mining plan, and schedule concerns.

NewFields personnel attended the Schist Island Pit Backfill portion of the DRMS Inspection on Wednesday, November 17th. NewFields personnel answered questions pertaining to project specifications and requirements during the inspection.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval the 9920’ and 9925’ elevation lifts. Visual inspection and the method compaction specification were utilized to approve the lifts.

- NewFields personnel approved sections of the 9930’ elevation lift. Visual inspection and the method compaction specification were utilized to approve the sections.

4.0 PHOTOGRAPHS

November 14, 2021 – High Compaction Backfill placement (TW)

November 17, 2021 – High Compaction Backfill wheel rolling (TW)

November 18, 2021 – High Compaction Backfill wheel rolling and placement (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 9920’ Lift (Photo Date 11/12/21)

Figure 2 – Section Approval Progress 9925’ Lift (Photo Date 11/19/21)

Figure 2 – Section Approval Progress and 9930’ Lift Progress (Photo Date 11/19/21)

Figure 1: Section Approval Progress 9920' Lift (Photo Date 11/12/21)

Figure 2: Section Approval Progress 9925' Lift (Photo Date 11/19/21)

Figure 3: Section Approval Progress and 9930' Lift Progress (Photo Date 11/19/21)

FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, NOVEMBER 26, 2021

REPORTING PERIOD: 11.20.2021 THROUGH 11.26.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 31°F TO 53°F

LOWS: 10°F TO 34°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: TRACE SNOW (11/20; 11/24)

WIND: WIND GUSTS FROM 10 TO 40 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Nov 20	Nov 21	Nov 22	Nov 23	Nov 24	Nov 25	Nov 26
Tyler Wendlandt	-	LS	LS	LS	LS	-	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9930’ and 9935’ elevation high compaction backfill lifts. CC&V began the placement of the 9940’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended (WebEx) the weekly Schist 1 Backfill, Ridge Mining, and PSSA Construction Sync meeting on Wednesday, November 17th with representatives from Newmont Operations, Technical Services, and Environmental. Items on the agenda included a safety/value share, progress updates, reporting, void planning, Turkey Ridge mining plan, and schedule concerns.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9930’ lift. Visual inspection and the method compaction specification were utilized to approve the lifts.

- NewFields personnel approved sections of the 9935’ elevation lift. Visual inspection and the method compaction specification were utilized to approve the sections.

- NewFields personnel monitored inclement weather events (snow) for accumulation of more than 1” on the surface of the high compaction fill. No significant snowfall accumulation occurred during the reporting period.

4.0 PHOTOGRAPHS

November 22, 2021 – High Compaction Backfill placement (TW)

November 22, 2021 – High Compaction Backfill placement (TW)

November 23, 2021 – High Compaction Backfill wheel rolling (TW)

November 24, 2021 – High compaction backfill placement (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 9930' Lift (Photo Date 11/19/21)

Figure 2 – Section Approval Progress 9935' Lift (Photo Date 11/24/21)

Figure 1: Section Approval Progress 9930' Lift (Photo Date 11/19/21)

Figure 2: Section Approval Progress and 9935' Lift Progress (Photo Date 11/24/21)

FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, DECEMBER 03, 2021

REPORTING PERIOD: 11.27.2021 THROUGH 12.03.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 47°F TO 59°F

LOWS: 27°F TO 37°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: NONE

WIND: WIND GUSTS FROM 10 TO 25 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Nov 27	Nov 28	Nov 29	Nov 30	Dec 1	Dec 2	Dec 3
Tyler Wendlandt	-	-	-	-	-	-	LS
George Fry	ST	-	ST	ST	ST	-	ST
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9940’ elevation high compaction backfill lift. CC&V began the placement of the 9945’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul

truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended (WebEx) the weekly Schist 1 Backfill, Ridge Mining, and PSSA Construction Sync meeting on Wednesday, December 1st with representatives from Newmont Operations, Technical Services, and Environmental. Items on the agenda included a safety/value share, progress updates, reporting, void planning, Turkey Ridge mining plan, and schedule concerns.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9940’ lift. Visual inspection and the method compaction specification were utilized to approve the lifts.

- NewFields personnel approved sections of the 9945’ elevation lift. Visual inspection and the method compaction specification were utilized to approve the sections.

4.0 PHOTOGRAPHS

December 1, 2021 – Unsuitable and windrowed material removal (GF)

December 1, 2021 – High Compaction Backfill wheel rolling and placement progress (GF)

December 3, 2021 – High Compaction Backfill wheel rolling (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee	**George Fry**	George Fry
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 9940’ Lift (Photo Date 12/03/21)

Figure 2 – Section Approval Progress 9945’ Lift and 9945’ Lift Progress (Photo Date 12/03/21)

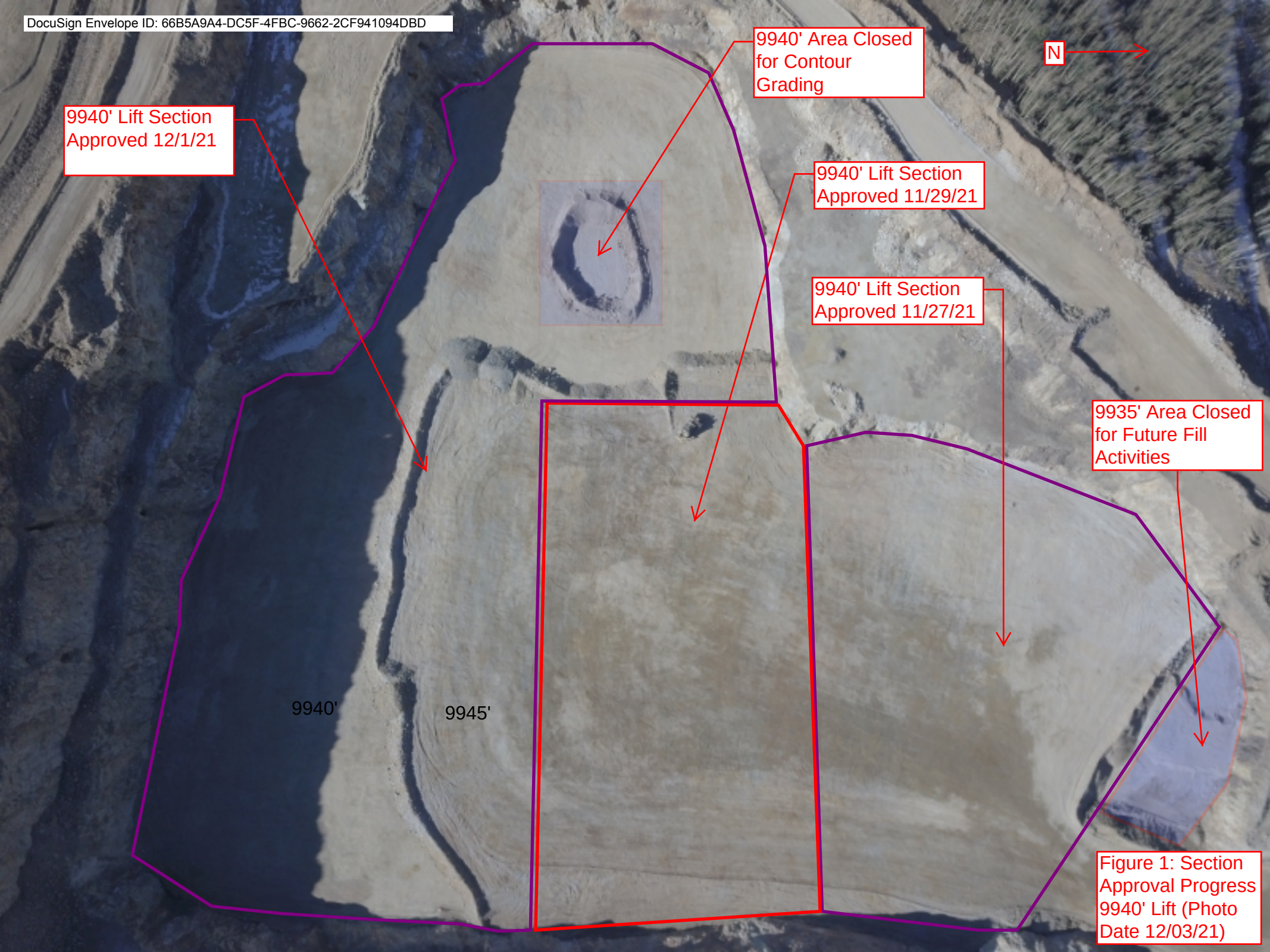


Figure 1: Section Approval Progress 9940' Lift (Photo Date 12/03/21)

Figure 2: Section Approval Progress 9945' Lift (Photo Date 12/03/21)

FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, DECEMBER 10, 2021

REPORTING PERIOD: 12.04.2021 THROUGH 12.10.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 53°F TO 28°F

LOWS: 35°F TO 3°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: TRACE SNOW 12/10

WIND: WIND GUSTS FROM 10 TO 45 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Dec 4	Dec 5	Dec 6	Dec 7	Dec 8	Dec 9	Dec 10
Jay Moore	-	-	-	PCE	-	-	-
Tyler Wendlandt	-	LS	LS	LS	LS	LS	LS
George Fry	-	-	-	-	-	-	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9945’ elevation high compaction backfill lift. CC&V began the placement of the 9950’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul

truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended (WebEx) the weekly Schist 1 Backfill, Ridge Mining, and PSSA Construction Sync meeting on Wednesday, December 8th with representatives from Newmont Operations, Technical Services, and Environmental. Items on the agenda included a safety/value share, progress updates, reporting, void planning, Turkey Ridge mining plan, and schedule concerns.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9945’ lift. Visual inspection and the method compaction specification were utilized to approve the lifts.

- NewFields personnel approved sections of the 9950’ elevation lift. Visual inspection and the method compaction specification were utilized to approve the sections.

- Arieal progress photos were not able to be taken for the attached figures for the report week ending December 10th. High winds on December 9th and 10th grounded drone flights. A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

December 5, 2021 – High Compaction Backfill wheel rolling and leveling (TW)

December 1, 2021 – High Compaction Backfill cut contouring (TW)

December 9, 2021 – High Compaction Backfill placment (TW)

December 10, 2021 – Windrowed material removal against highwall (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 9945’ Lift (Map Date 12/07/21)

Figure 2 – Section Approval Progress 9950’ Lift and 9950’ Lift Progress (Map Date 12/10/21)

Figure 1: Section Approval Progress 9945' Lift (Map Date 12/07/21

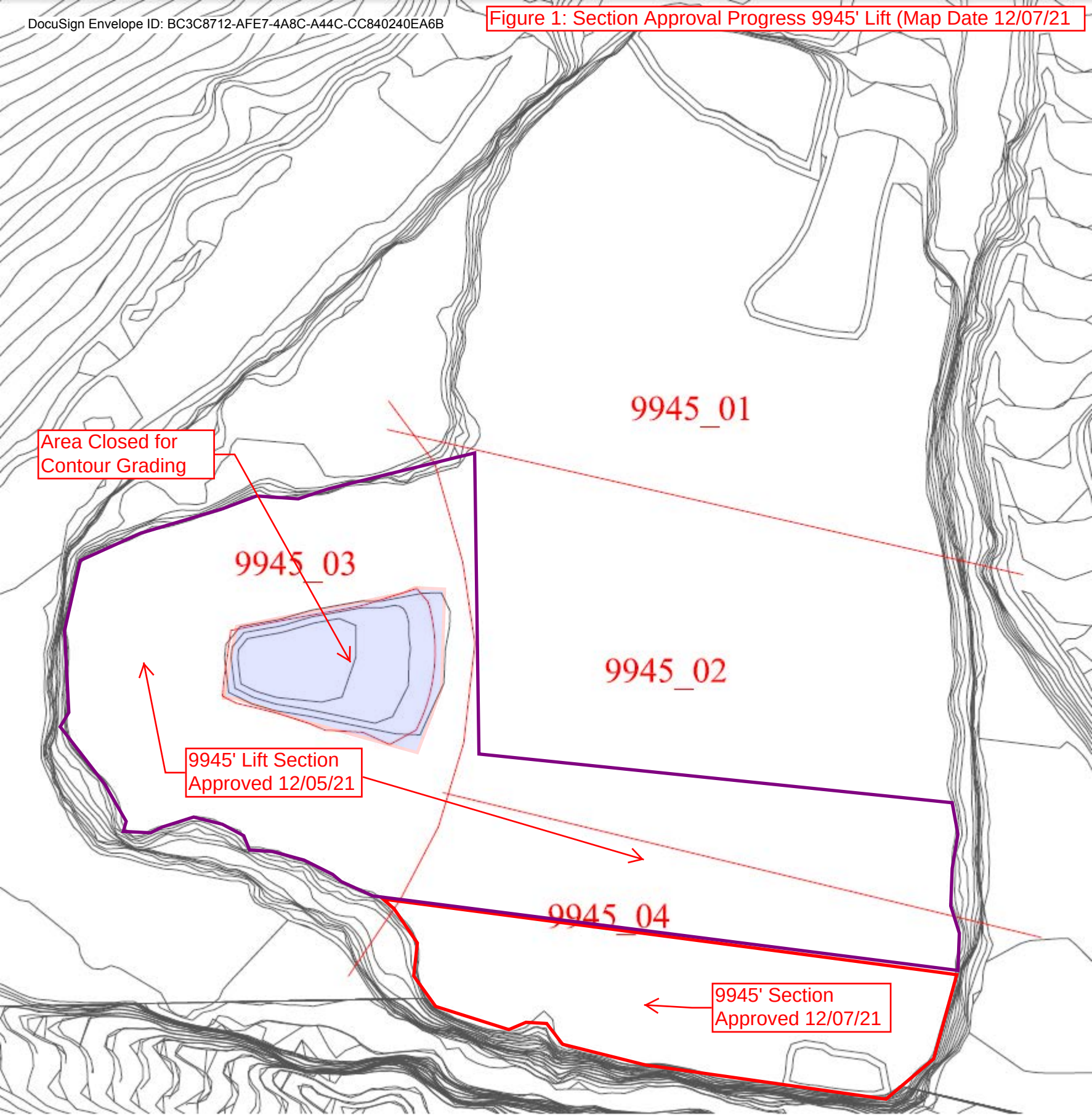
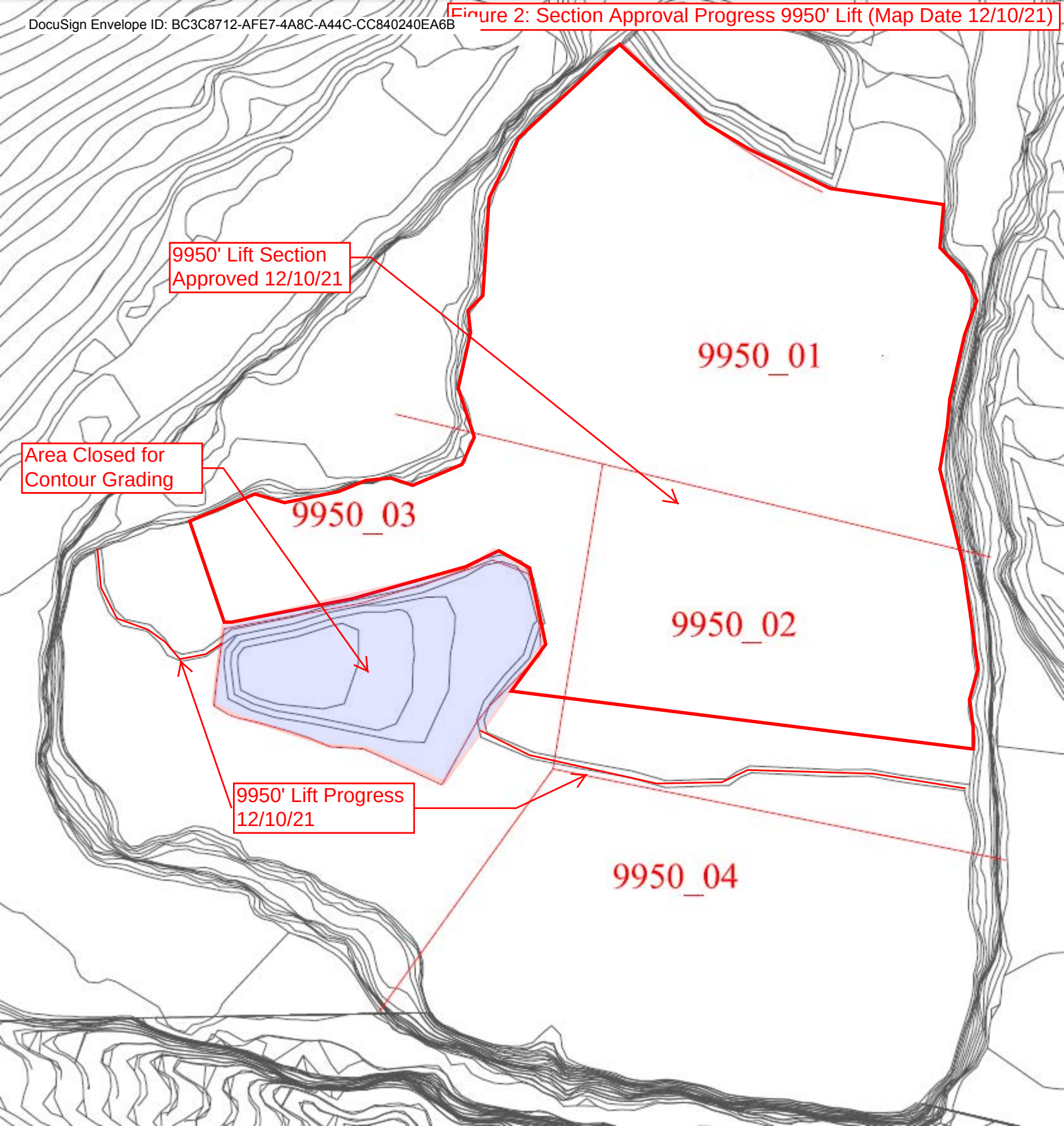


Figure 2: Section Approval Progress 9950' Lift (Map Date 12/10/21)



FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, DECEMBER 17, 2021

REPORTING PERIOD: 12.11.2021 THROUGH 12.17.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 50°F TO 29°F

LOWS: 32°F TO 6°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: TRACE SNOW 12/15

WIND: WIND GUSTS FROM 10 TO 50 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Dec 11	Dec 12	Dec 13	Dec 14	Dec 15	Dec 16	Dec 17
Jay Moore	-	-	-	-	-	-	-
Tyler Wendlandt	-	-	LS	LS	LS	LS	LS
George Fry	-	-	-	-	-	-	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9950’ elevation high compaction backfill lift. CC&V began the placement of the 9955’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul

truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended (WebEx) the weekly Schist 1 Backfill, Ridge Mining, and PSSA Construction Sync meeting on Wednesday, December 15th with representatives from Newmont Operations, Technical Services, and Environmental. Items on the agenda included a safety/value share, progress updates, reporting, void planning, Turkey Ridge mining plan, and schedule concerns.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9950’ lift. Visual inspection and the method compaction specification were utilized to approve the lifts.

- NewFields personnel approved sections of the 9955’ elevation lift. Visual inspection and the method compaction specification were utilized to approve the sections.

- Aerial progress photos were not able to be taken for the attached figures for the report week ending December 17th. High winds and cold ambient temperatures on December 16th and 17th grounded drone flights. A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

December 16, 2021 – High Compaction Backfill placement (TW)

December 17, 2021 – High Compaction Backfill placement (TW)

December 17, 2021 – High Compaction Backfill wheel rolling (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 9950' Lift (Map Date 12/13/21)

Figure 2 – Section Approval Progress 9955' Lift and 9955' Lift Progress 12/17/21 (Map Date 12/16/21)

Figure 1: Section Approval Progress 9950' Lift (Map Date 12/13/21)

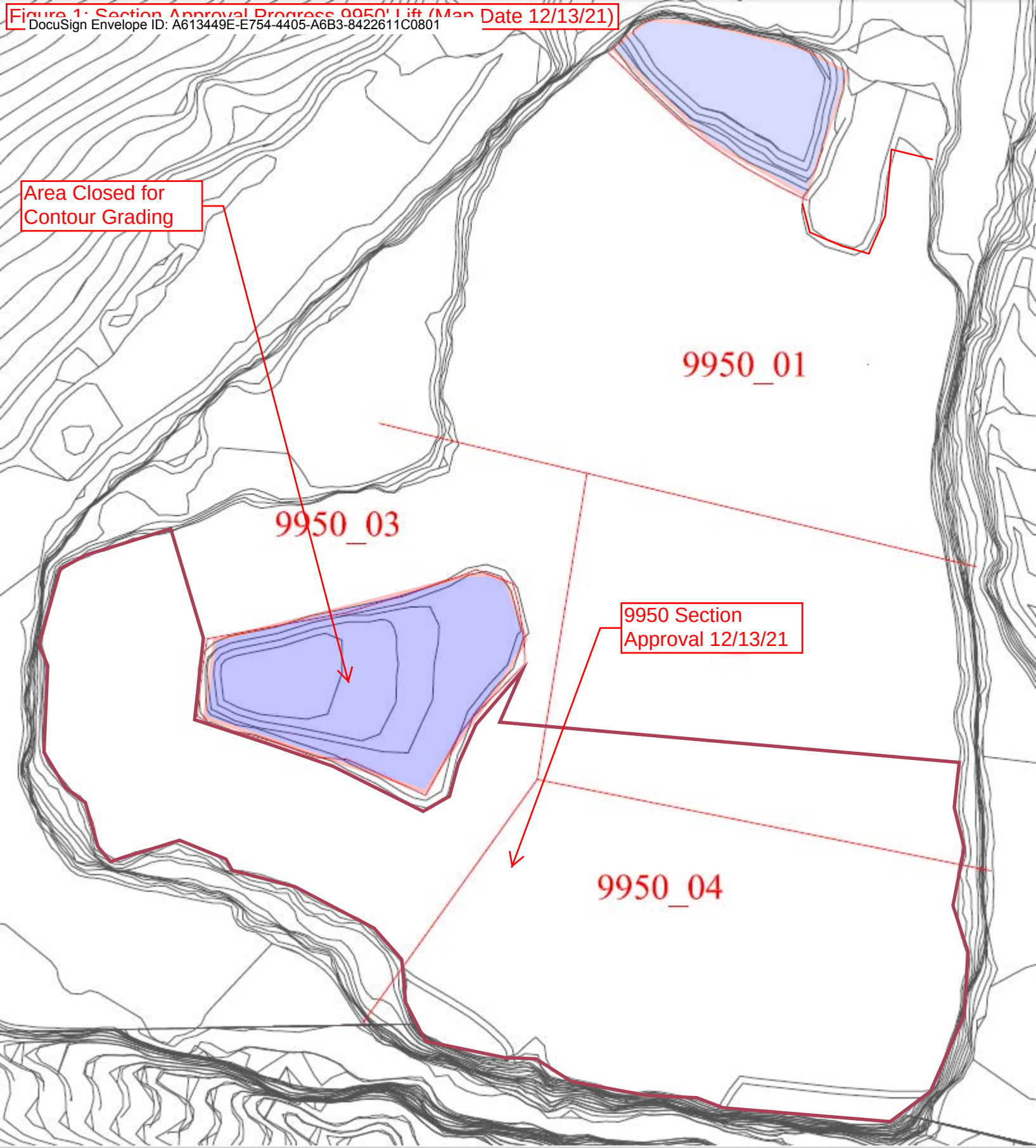
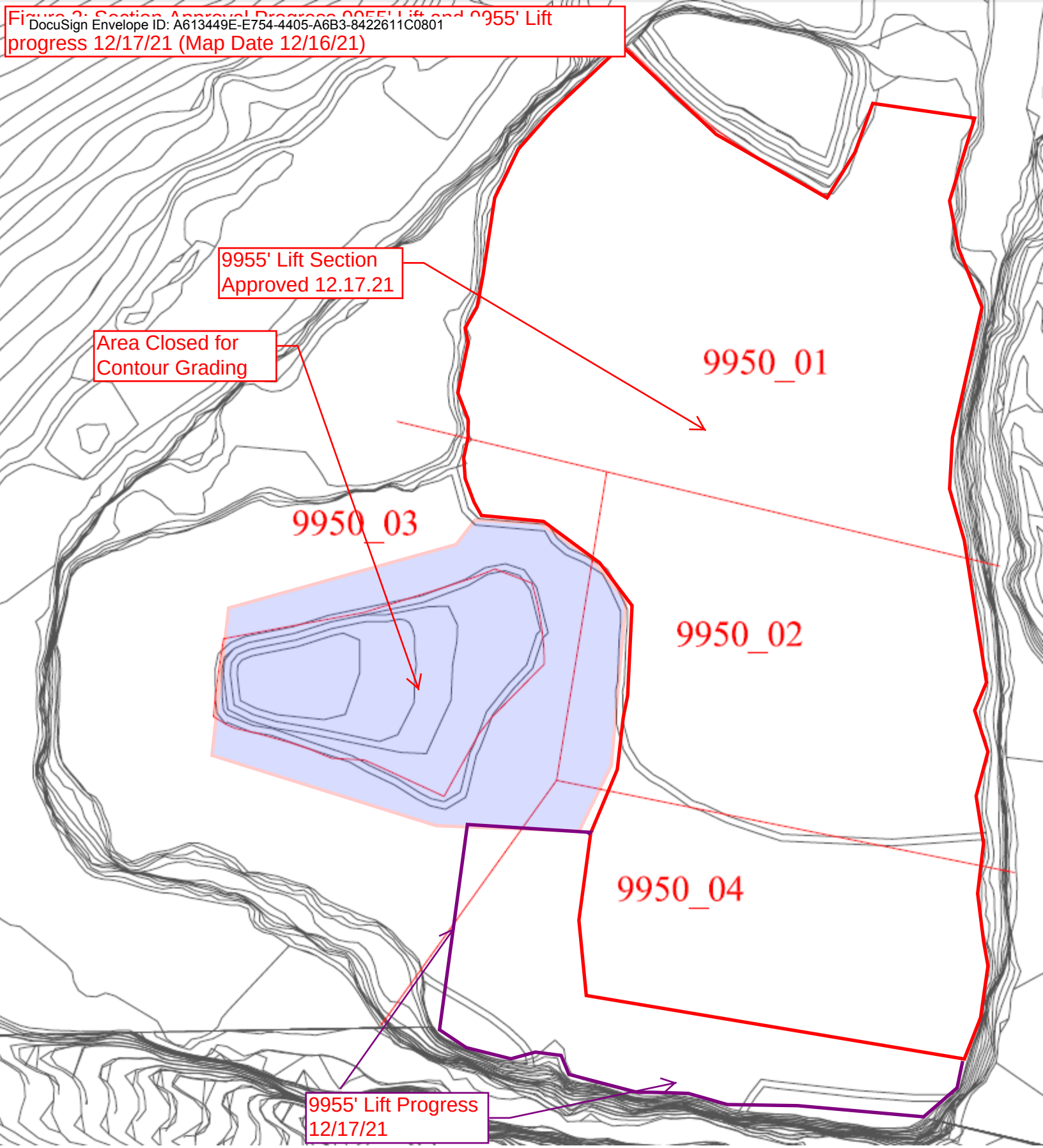


Figure 2: Section Approval Progress 9955' Lift and 9955' Lift progress 12/17/21 (Map Date 12/16/21)



FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, DECEMBER 24, 2021

REPORTING PERIOD: 12.18.2021 THROUGH 12.24.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 67°F TO 34°F

LOWS: 38°F TO 13°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: TRACE SNOW 12/23

WIND: WIND GUSTS FROM 10 TO 45 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Dec 18	Dec 19	Dec 20	Dec 21	Dec 22	Dec 23	Dec 24
Jay Moore	-	-	-	-	-	-	-
Tyler Wendlandt	-	-	-	-	-	-	-
George Fry	-	-	ST	ST	-	ST	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9955’ elevation high compaction backfill lift. CC&V began the placement of the 9960’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul

truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended the DRMS Inspection that took place on Tuesday December 21, 2021 with representatives from Newmont Operations, Technical Services, and Environmental.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9955’ lift. Visual inspection and the method compaction specification were utilized to approve the lifts.

- NewFields personnel approved sections of the 9960’ elevation lift. Visual inspection and the method compaction specification were utilized to approve the sections.

- Aerial progress photos were not able to be taken for the attached figures for the report week ending December 24th. High winds grounded drone flights. A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

December 20, 2021 – High Compaction Backfill wheel rolling and leveling (GF)

December 21, 2021 – High Compaction Backfill placement (GF)

December 23, 2021 – Overview of 9960' lift of High Compaction Backfill placement (GF)

Report Review and Approval:

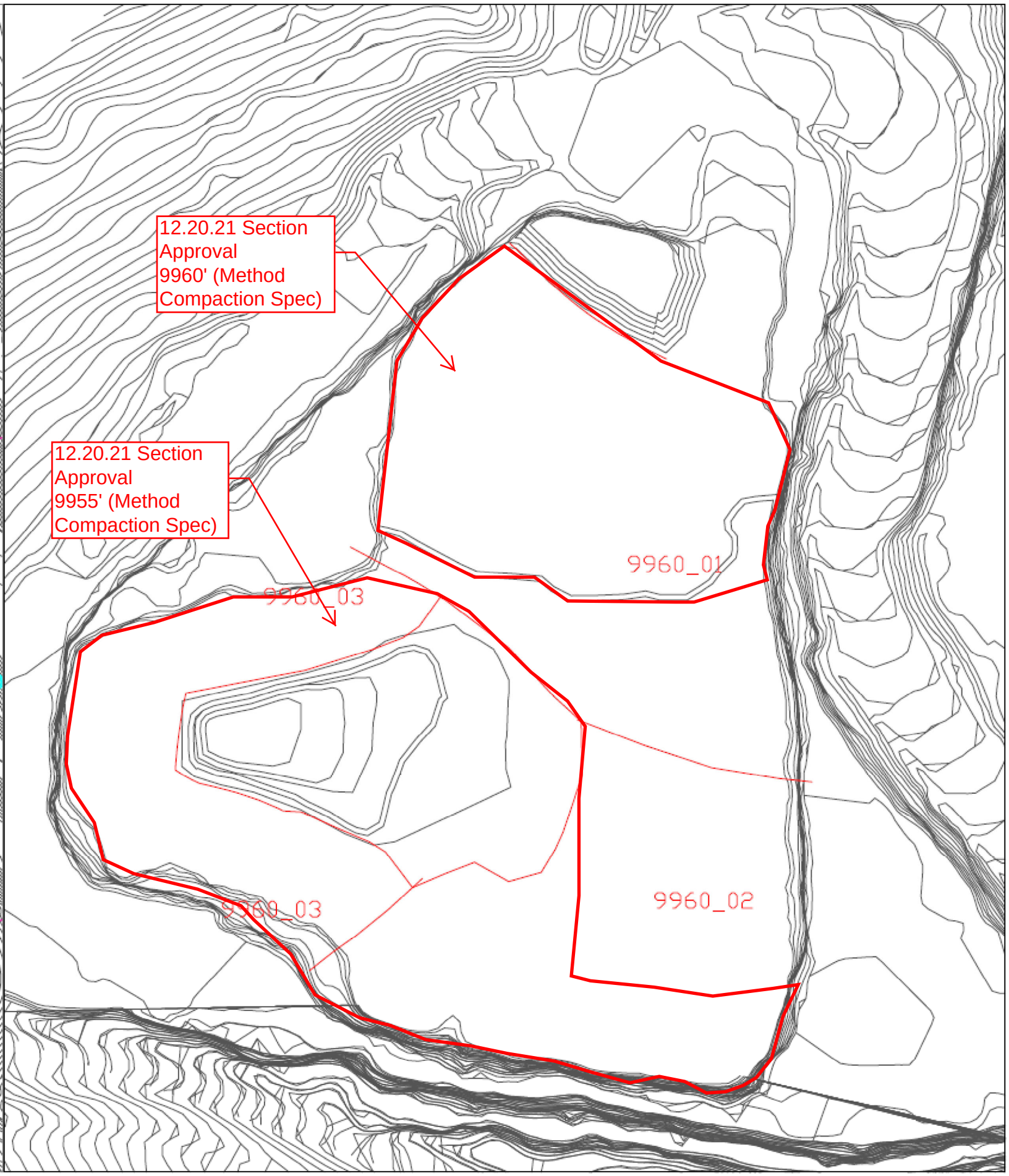
Role	Name	Signature
CQA Monitor/Report Prepared By	**George Fry**	George Fry
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

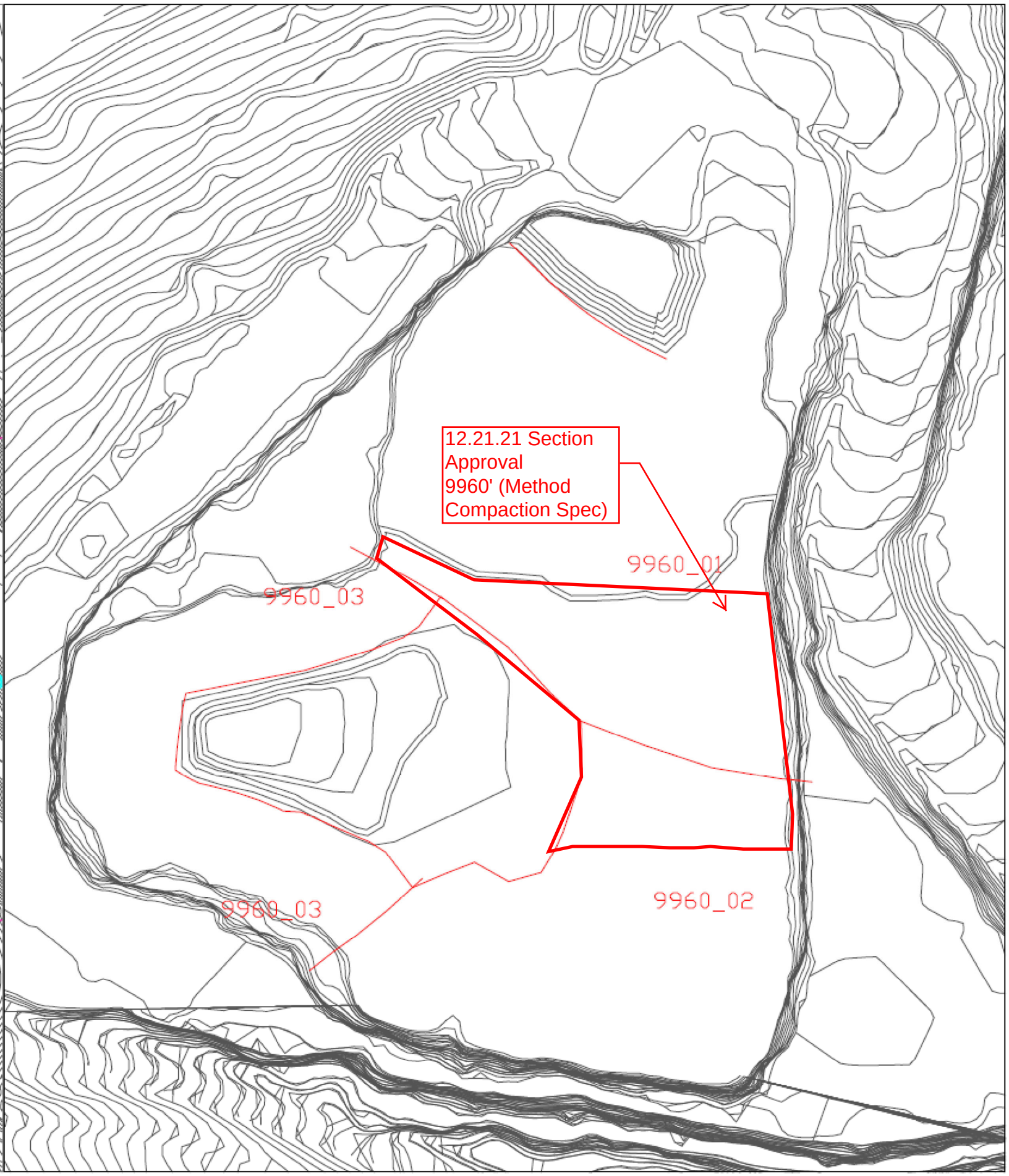
Attachments:

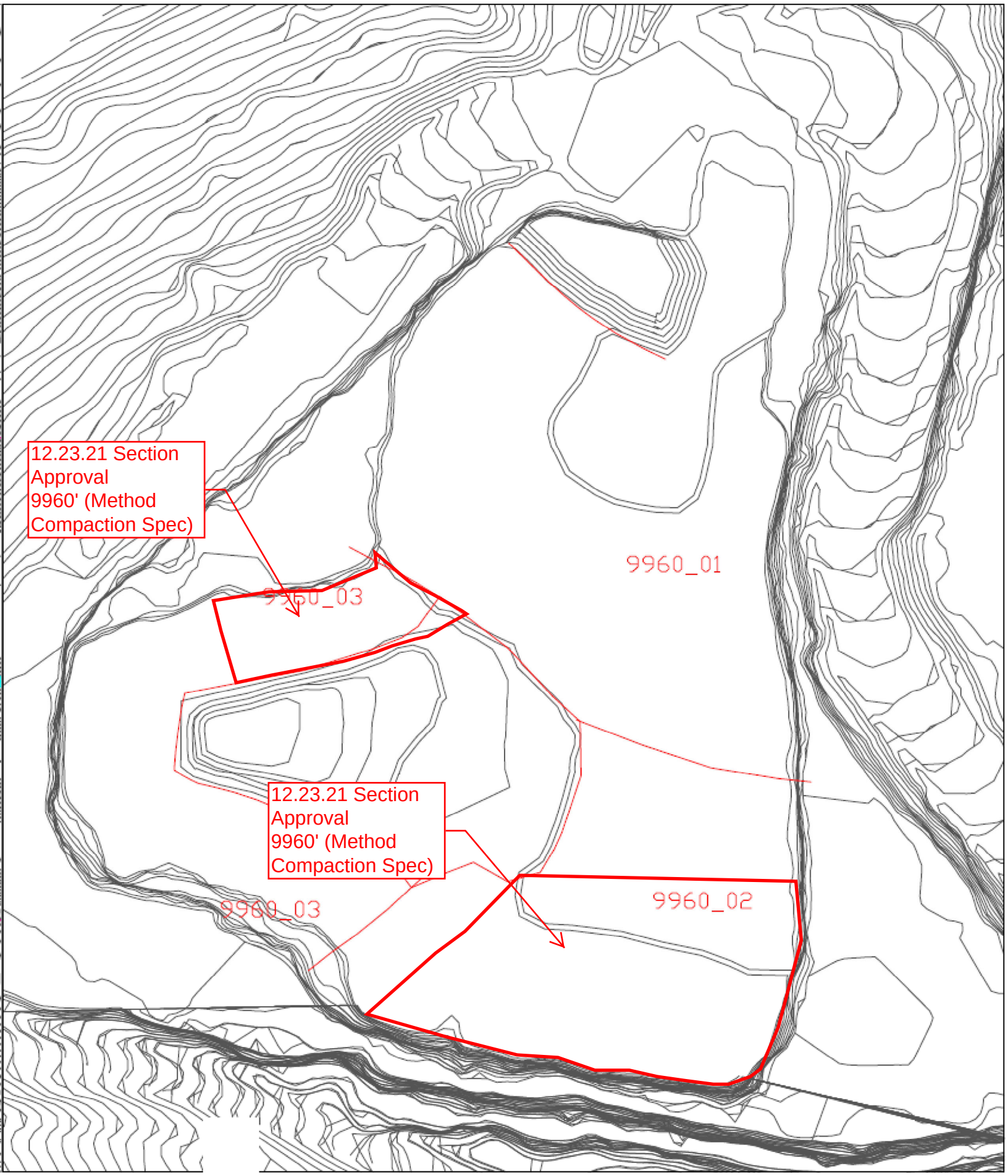
Figure 1 – Section Approval Progress 9955' Lift and 9960' Lift Progress (Map Date 12/20/21)

Figure 2 – Section Approval Progress 9960' Lift (Map Date 12/21/21)

Figure 3 – Section Approval Progress 9960' Lift (Map Date 12/23/21)







FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, DECEMBER 31, 2021

REPORTING PERIOD: 12.25.2021 THROUGH 12.31.2021

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 71°F TO 34°F

LOWS: 41°F TO 9°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: TRACE SNOW 12/25

WIND: WIND GUSTS FROM 10 TO 49 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Dec 25	Dec 26	Dec 27	Dec 28	Dec 29	Dec 30	Dec 31
Jay Moore	-	-	-	-	-	-	-
Tyler Wendlandt	-	-	-	-	-	-	-
George Fry	-	-	ST	-	ST	ST	-

PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9960’ and elevation high compaction backfill lift. CC&V began the placement of the 9965’ and 9970’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with

each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9960’ and 9965’ lifts. Visual inspection and the method compaction specification were utilized to approve the lifts.

- Aerial progress photos were not able to be taken for the attached figures for the report week ending December 31st. High winds grounded drone flights. A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

December 30, 2021 – High Compaction Backfill wheel rolling and leveling (GF)

December 27, 2021 – High Compaction Backfill placement (GF)

December 29, 2021 – Overview of 9960' lift of High Compaction Backfill placement (GF)

Report Review and Approval:

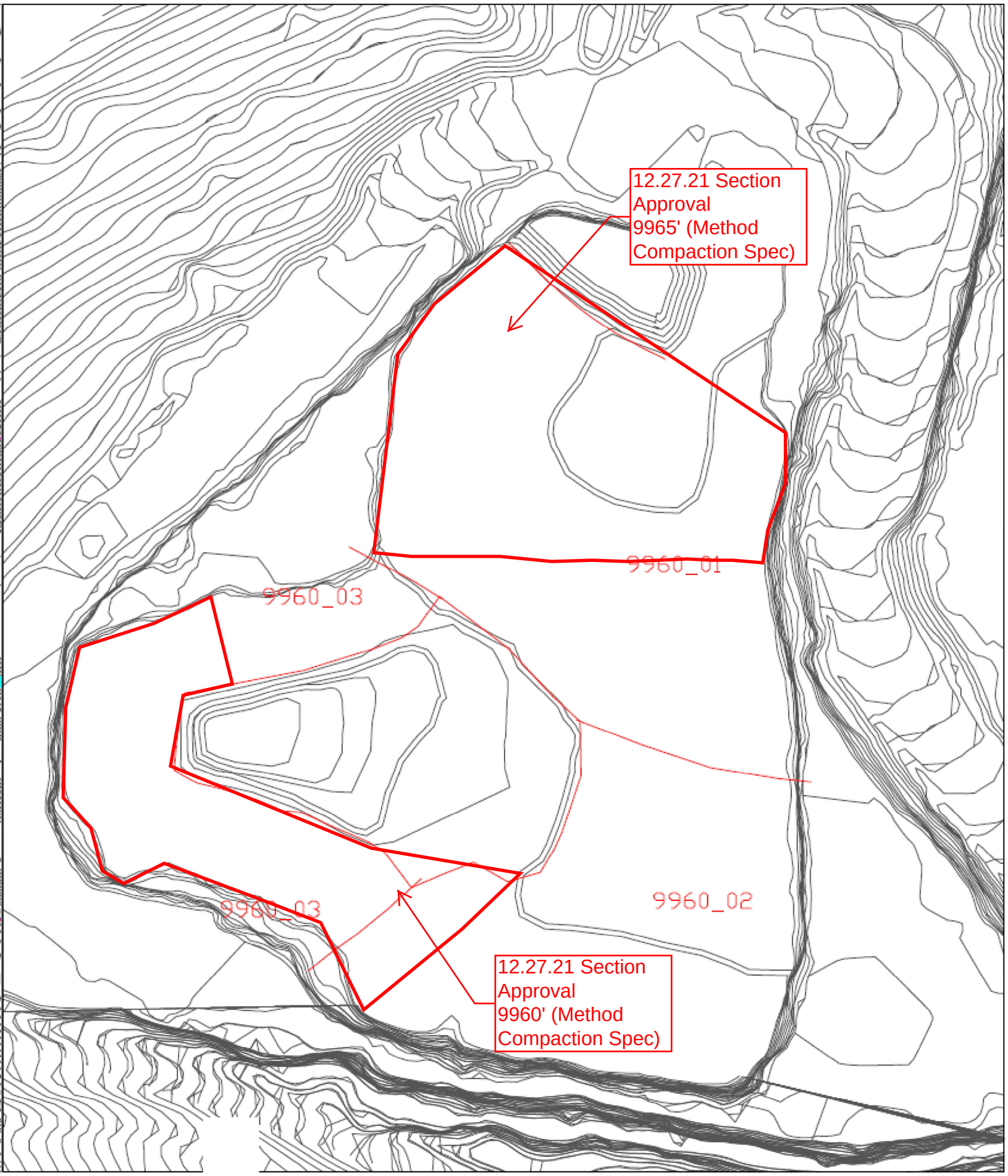
Role	Name	Signature
CQA Monitor/Report Prepared By	**George Fry**	George Fry
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

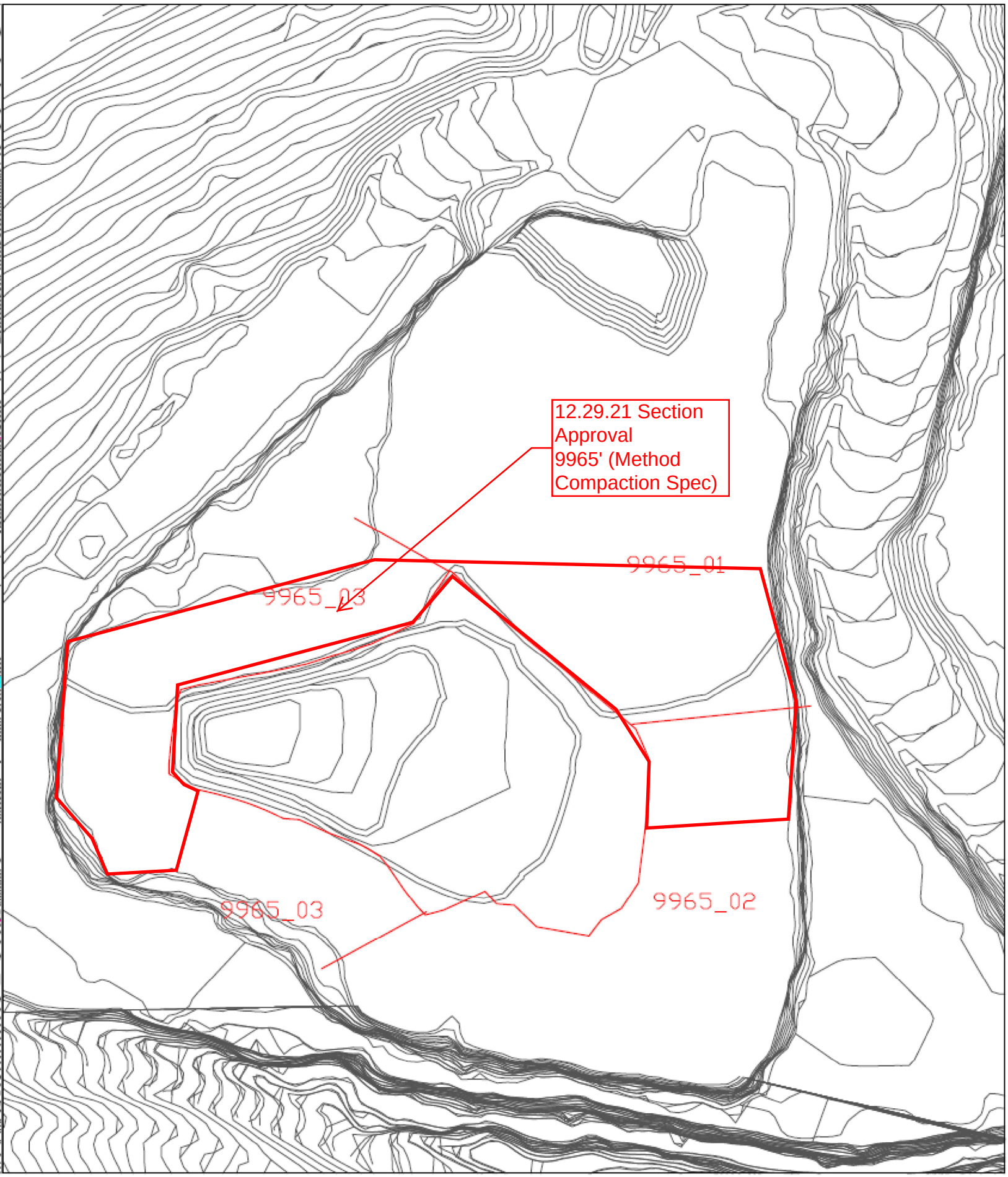
Attachments:

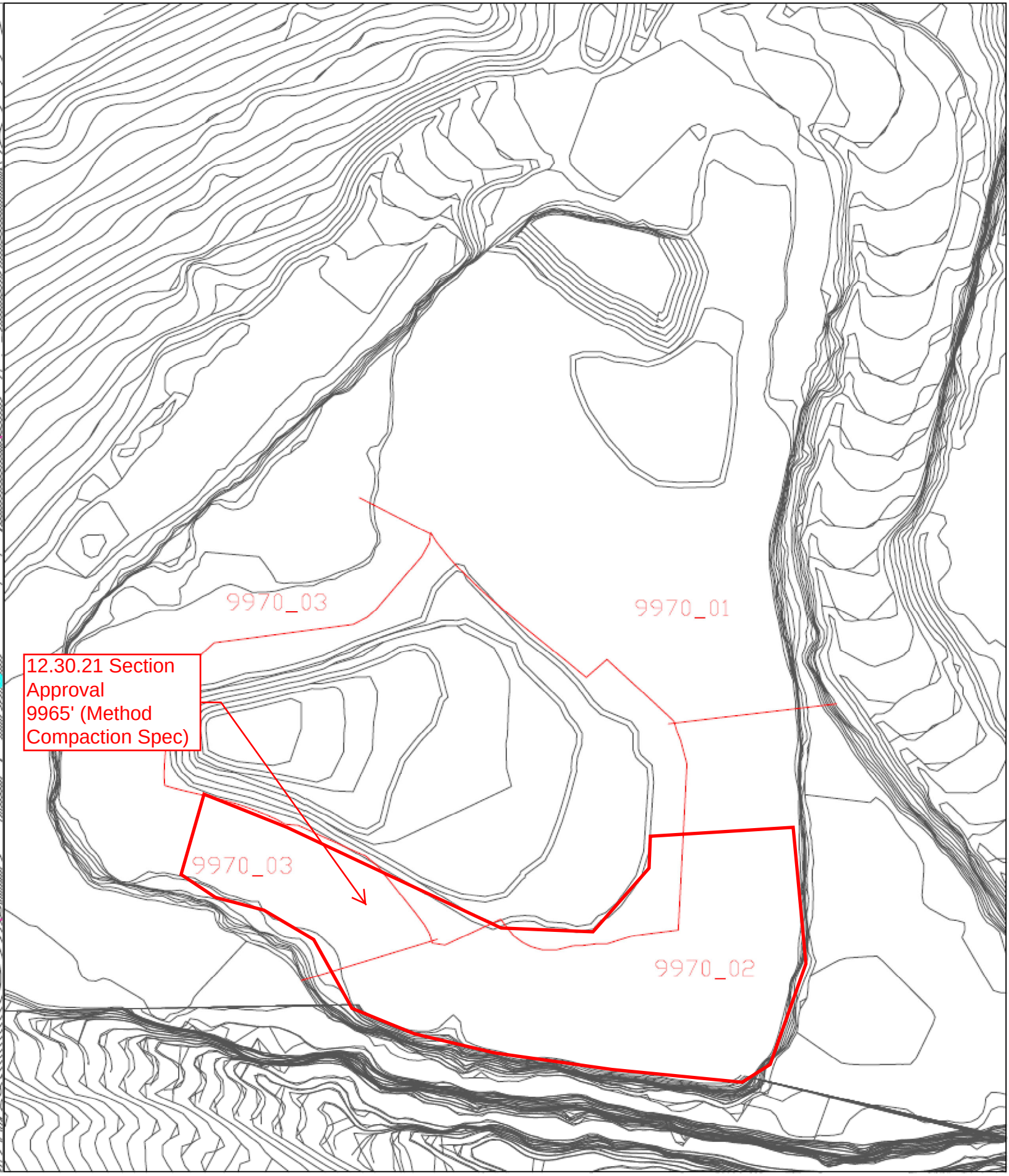
Figure 1 – Section Approval Progress 9960' Lift and 9965' Lift Progress (Map Date 12/27/21)

Figure 2 – Section Approval Progress 9965' Lift (Map Date 12/29/21)

Figure 3 – Section Approval Progress 9965' Lift (Map Date 12/30/21)







FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, JANUARY 7, 2022

REPORTING PERIOD: 01.01.2022 THROUGH 01.07.2022

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 47°F TO 9°F

LOWS: 28°F TO -4°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: SNOW 01/01/2022 (2”-4”)

WIND: WIND GUSTS FROM 10 TO 45 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Jan 1	Jan 2	Jan 3	Jan 4	Jan 5	Jan 6	Jan 7
Jay Moore	-	-	-	-	-	-	-
Tyler Wendlandt	-	-	-	LS	LS	-	LS
George Fry	-	-	-	-	-	-	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9970’ elevation high compaction backfill lift. CC&V began the placement of the 9975’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul

truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

Contour grading continued in the floor of the PSSA. A D10 dozer graded overburden backfill material to the edges of the backfill placement for future removal from the bottom of the pond.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- Newmont personnel removed accumulated snow from out in front of the leading edge of the 9970’ lift on 1/1/2022.

- NewFields personnel completed the approval of the 9970’ lifts. Visual inspection and the method compaction specification were utilized to approve the lift.

- A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

January 1, 2022 – High Compaction Backfill snow removal with loader (CC&V Supervisor)

January 4, 2022 – High Compaction Backfill wheel rolling (TW)

January 4, 2022 – Contour Grading of the PSSA floor (TW)

Report Review and Approval:

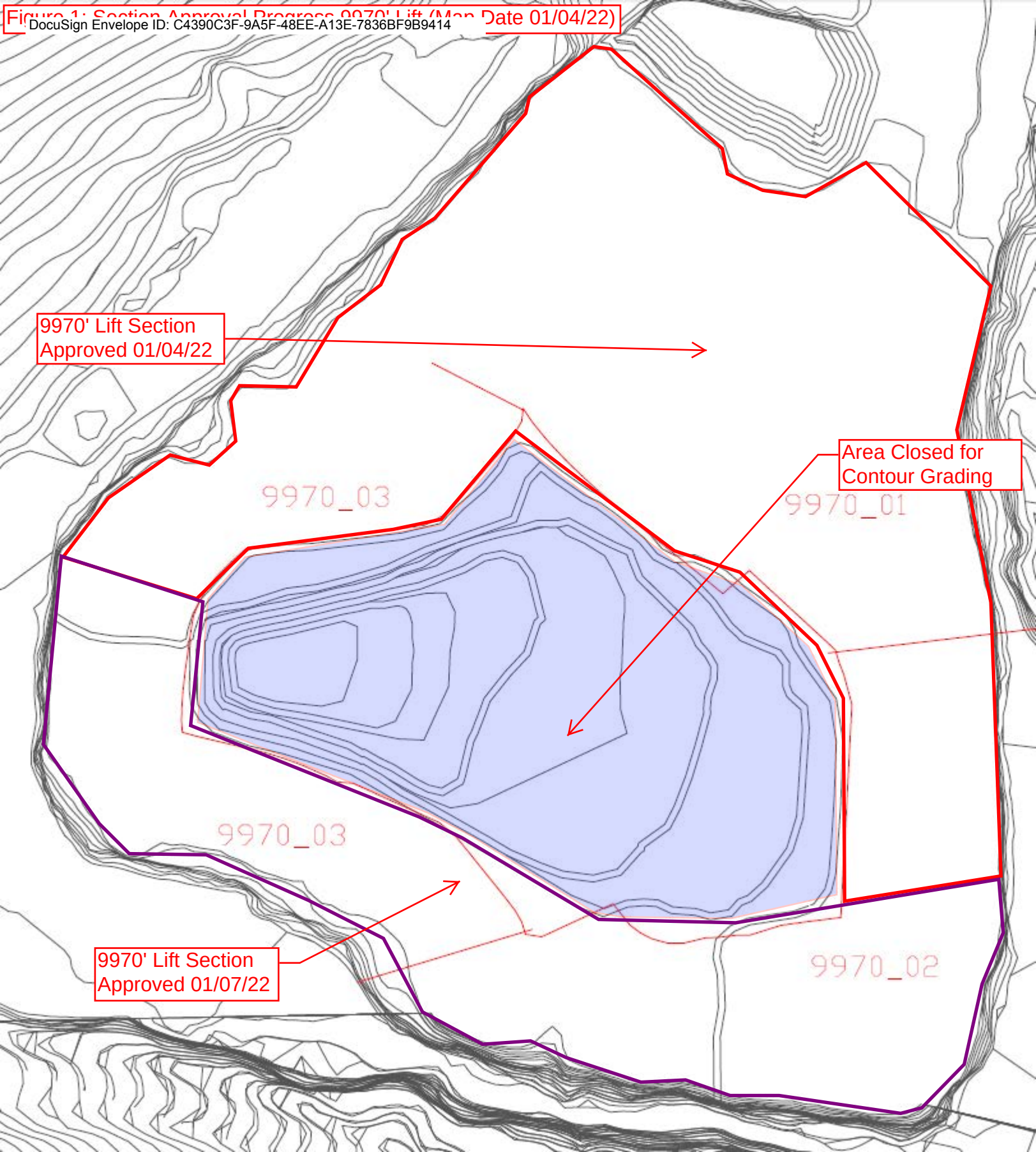
Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

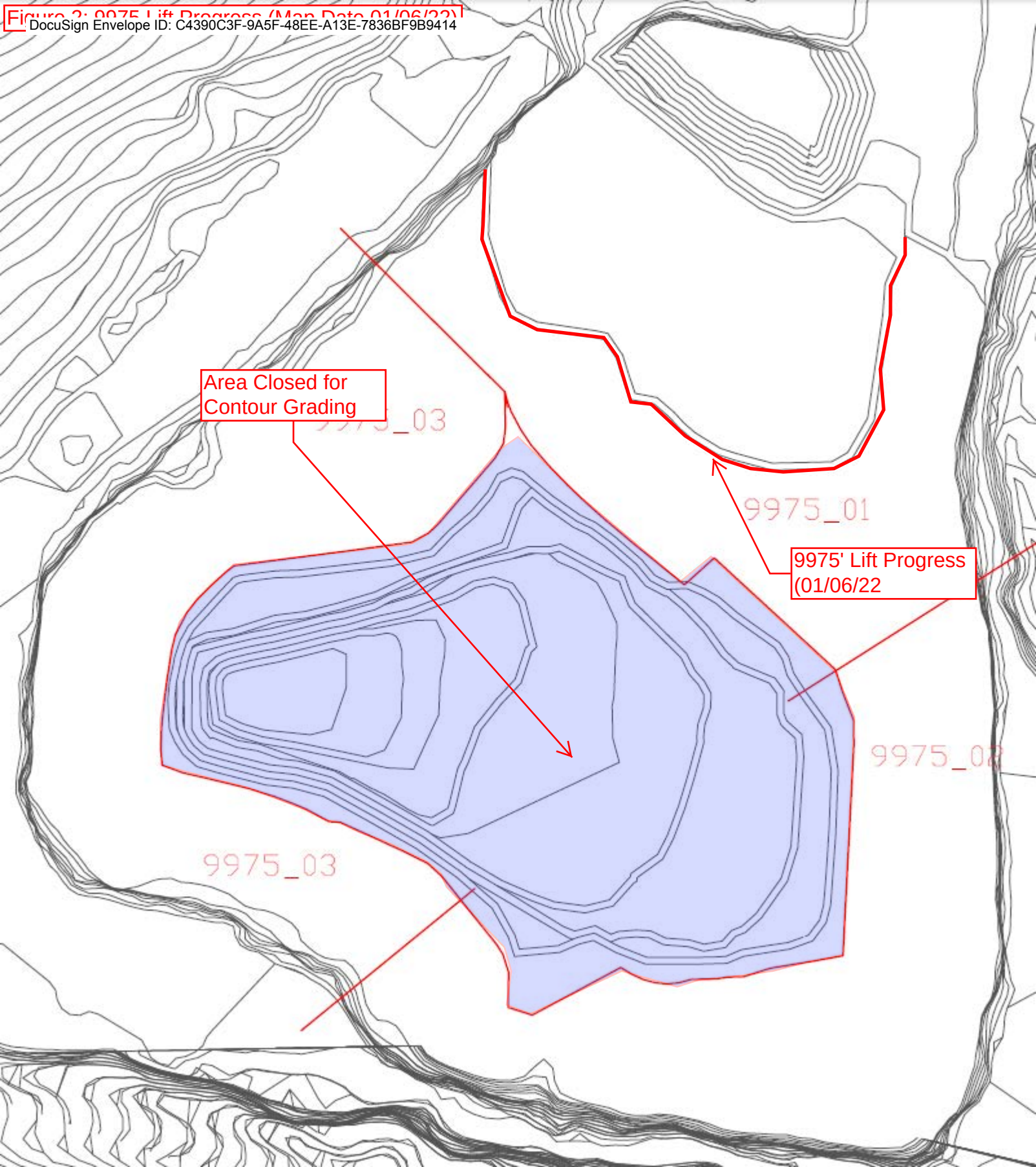
Attachments:

Figure 1 – Section Approval Progress 9970' Lift (Map Date 01/04/22)

Figure 2 – 9975' Lift Progress (Map Date 01/06/22)

Figure 1: Section Approval Progress 9970' Lift (Map Date 01/04/22)





FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, JANUARY 14, 2022

REPORTING PERIOD: 01.08.2022 THROUGH 01.14.2022

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 49°F TO 31°F

LOWS: 30°F TO 8°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: SNOW 01/14/2022 (TRACE)

WIND: WIND GUSTS FROM 10 TO 55 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Jan 8	Jan 9	Jan 10	Jan 11	Jan 12	Jan 13	Jan 14
Jay Moore	-	-	-	-	-	-	-
Tyler Wendlandt	-	LS	LS	LS	LS	LS	LS
George Fry	-	-	-	-	-	-	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9975’ elevation high compaction backfill lift. CC&V began the placement of the 9980’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul

truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

Contour grading continued in the floor of the PSSA. A D10 dozer graded overburden backfill material to the edges of the backfill placement for future removal from the bottom of the pond.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9975’ lift. Visual inspection and the method compaction specification were utilized to approve the lift.

- NewFields personnel approved a section of the 9980’ lift. Visual inspection and the method compaction specification were utilized to approve the lift.

- A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

January 11, 2022 – High Compaction Backfill placement (TW)

January 12, 2022 – High Compaction Backfill placement (TW)

January 14, 2022 – High Compaction Backfill progress (TW)

Report Review and Approval:

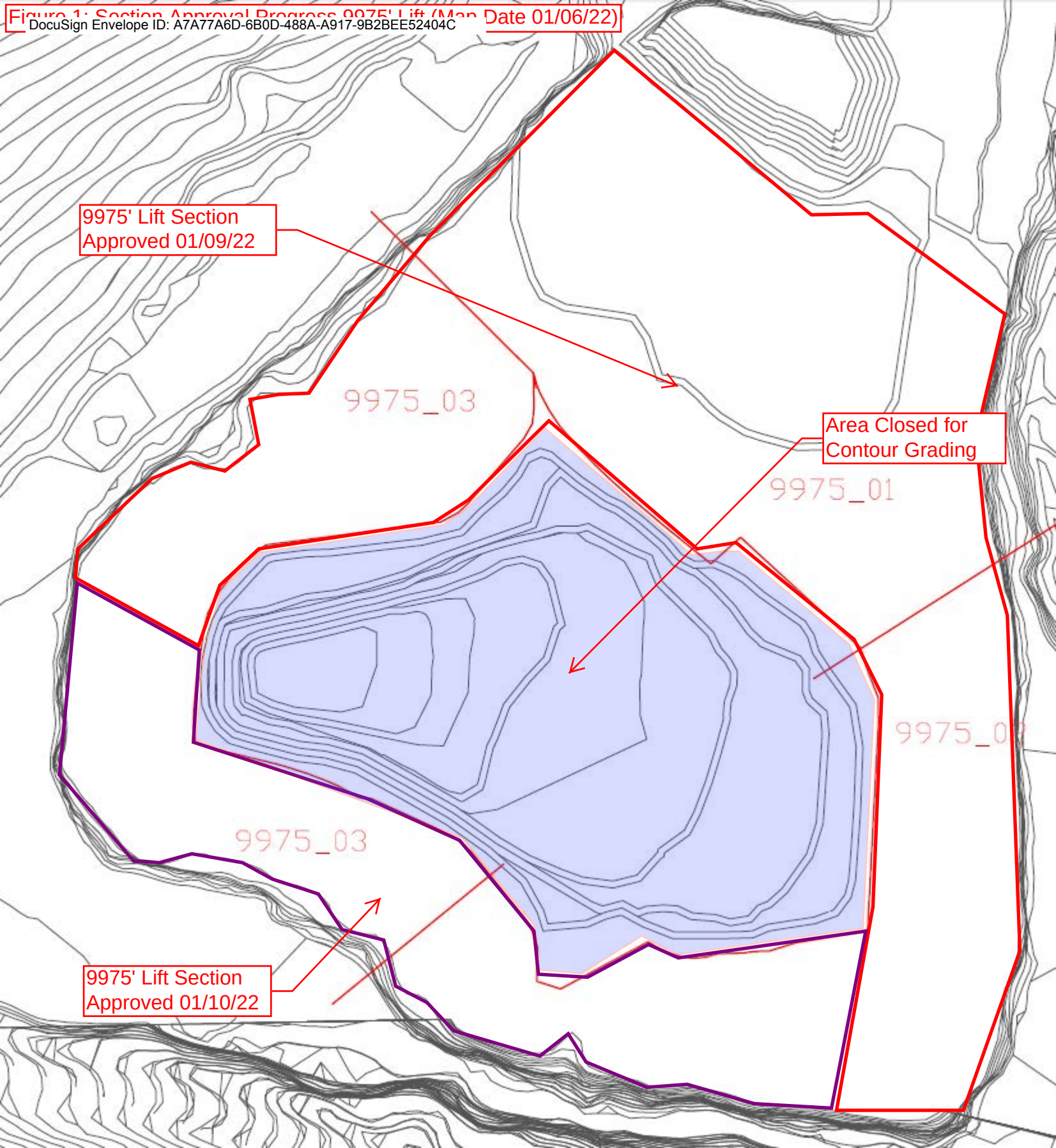
Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

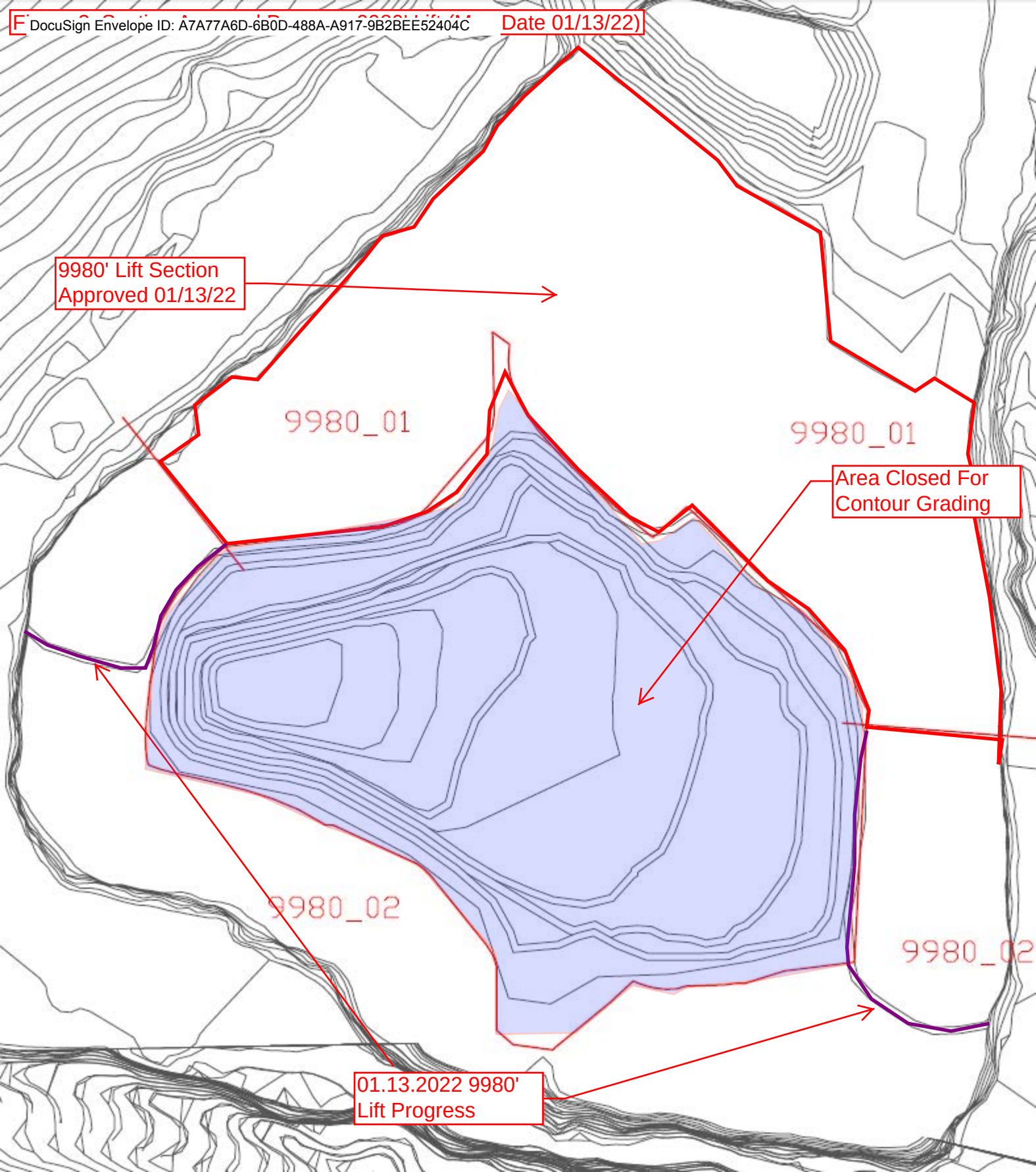
Attachments:

Figure 1 – Section Approval Progress 9975' Lift (Map Date 01/06/22)

Figure 2 – Section Approval Progress 9980' Lift (Map Date 01/13/22)

Figure 1: Section Approval Progress 9975' Lift (Map Date 01/06/22)





FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, JANUARY 21, 2022

REPORTING PERIOD: 01.15.2022 THROUGH 01.21.2022

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 48°F TO 22°F

LOWS: 27°F TO 9°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: SNOW 01/21/2022 (2"- 4")

WIND: WIND GUSTS FROM 10 TO 55 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Jan 15	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21
Jay Moore	-	-	-	-	-	-	-
Tyler Wendlandt	-	-	LS	LS	LS	LS	LS
George Fry	-	-	-	-	-	-	-

PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9980' elevation high compaction backfill lift. CC&V began the placement of the 9985' elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul

truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9980’ lift. Visual inspection and the method compaction specification were utilized to approve the lift.

- NewFields personnel approved a section of the 9985’ lift. Visual inspection and the method compaction specification were utilized to approve the lift.

- Newmont Operations personnel removed snow (any area with plus 2” in accumulation) from out in front of the leading edge of high compaction fill placement during the weather event on the evening of 1/21. Snow was spread out in a designated area away from the leading edge, to allow it to melt during warmer temperatures.

- A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

January 17, 2022 – High Compaction Backfill overview (TW)

January 21, 2022 – High Compaction Backfill grading (TW)

January 21, 2022 – High Compaction Backfill placement (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 9980' Lift (Map Date 01/13/22)

Figure 2 – Section Approval Progress 9985' Lift (Map Date 01/17/22)

Figure 1: Section Approval Progress 9980' Lift (Map Date 01/13/22)

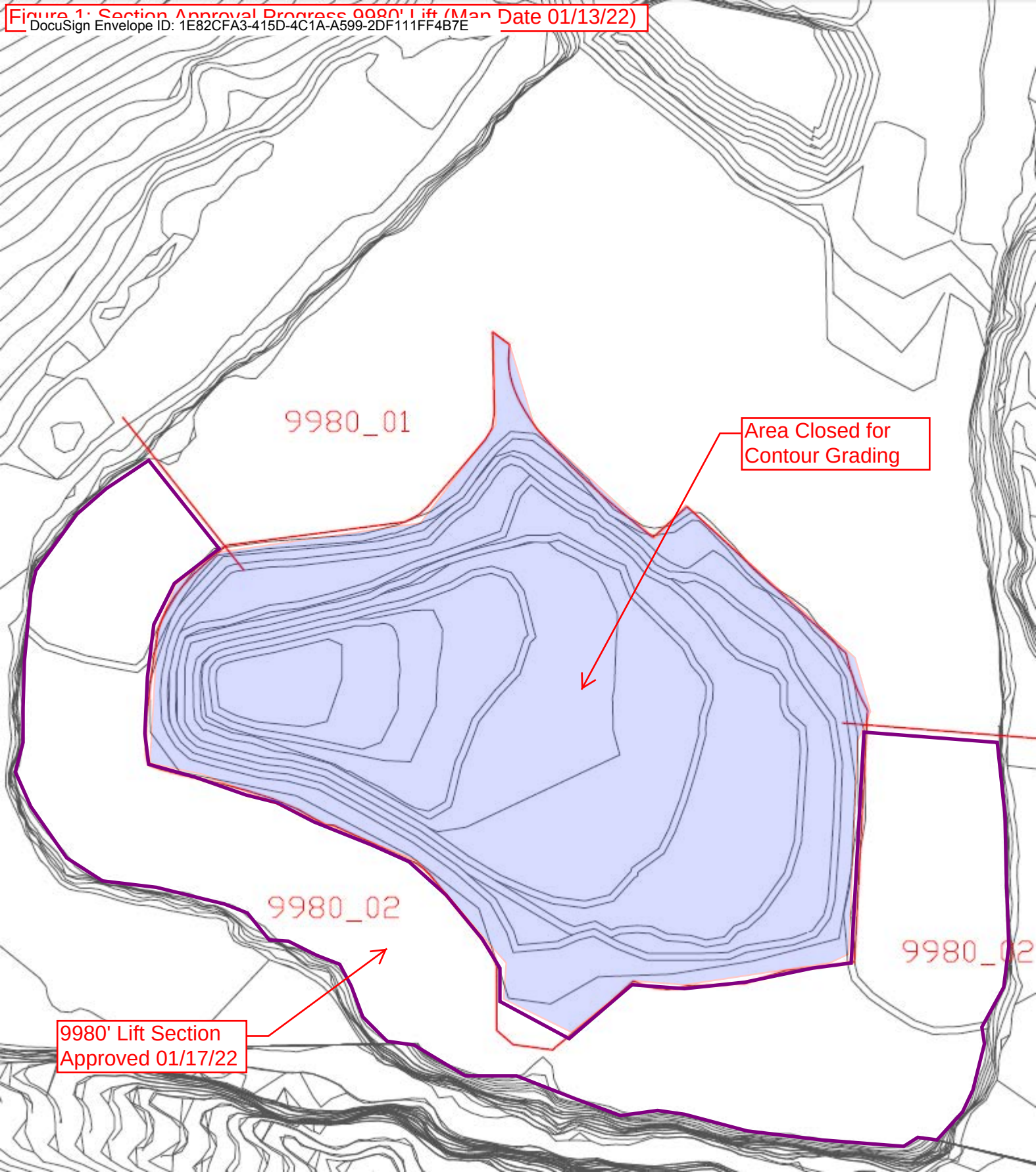
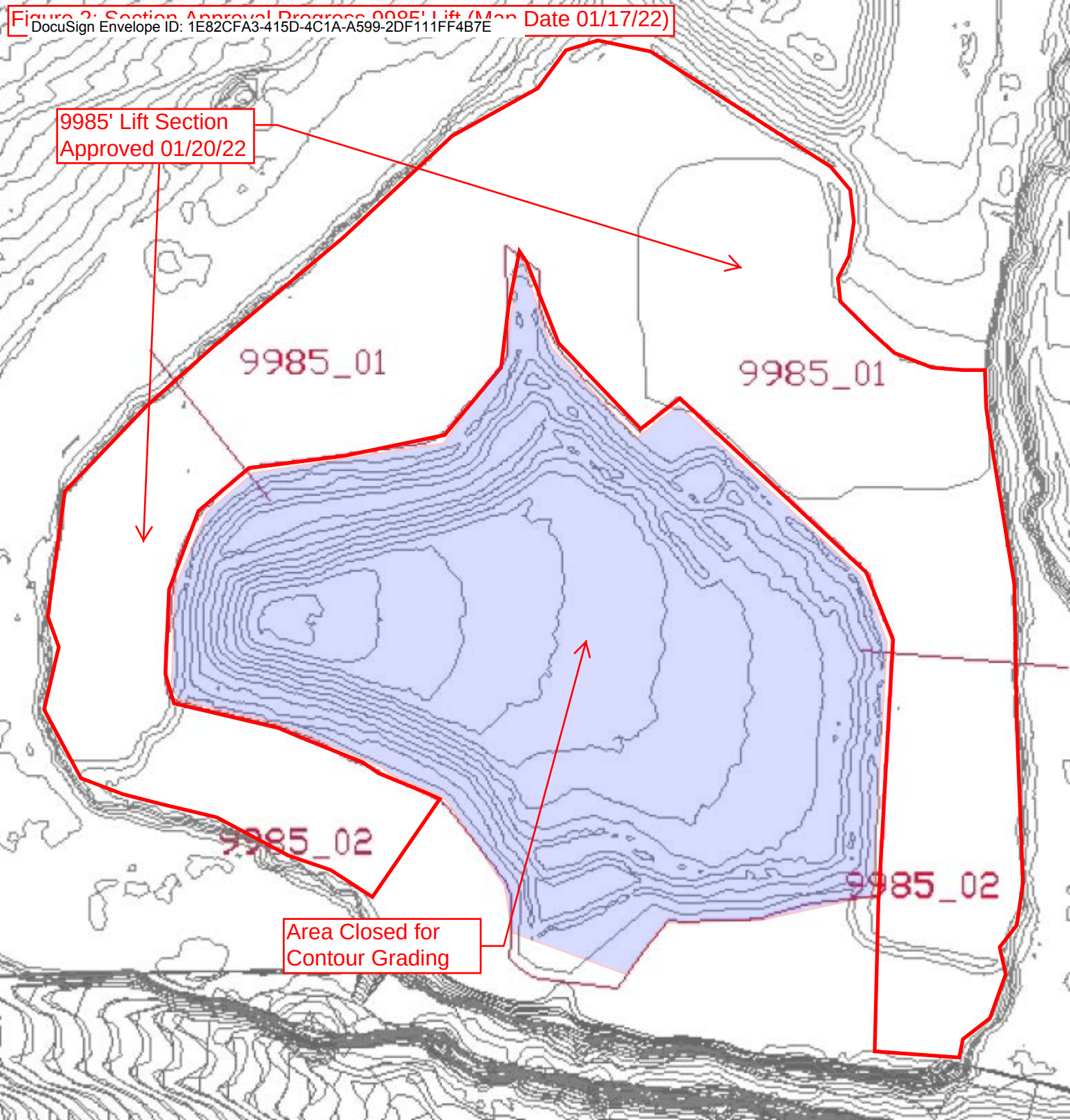


Figure 2: Section Approval Progress 9985' Lift (Map Date 01/17/22)



FIELD WEEKLY PROGRESS REPORT

PROJECT: **VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL**

SITE: **CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)**

CONTRACTOR: **NEWMONT CC&V MINING OPERATIONS**

WEEK ENDING: **FRIDAY, JANUARY 28, 2022**

REPORTING PERIOD: 01.22.2022 THROUGH 01.28.2022

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES AND WEATHER CONDITIONS:

HIGHS: 40°F TO 17°F

LOWS: 21°F TO 1°F

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: SNOW 1/22 (1-2”); SNOW 01/25 (2-3”); SNOW 01/27 (5”-6”)

WIND: WIND GUSTS FROM 10 TO 35 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28
Jay Moore	-	-	-	-	-	-	-
Tyler Wendlandt	LS	LS	LS	LS	LS	LS	LS
George Fry	-	-	-	-	-	-	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9985’ and 9990’ elevation high compaction backfill lift. CC&V began the placement of the 9995’ elevation high compaction backfill lift. Run of Mine

material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

NewFields personnel attended the Schist Island Backfill portion of the DRMS inspection on 01/27/22.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9985’ and 9990’ lift. Visual inspection and the method compaction specification were utilized to approve the lift.

- Newmont Operations personnel removed snow (any area with plus 2” in accumulation) from out in front of the leading edge of high compaction backfill placement during weather events on the early morning of 1/25/22 and the afternoon and evening of 1/26/22. Snow was spread out in designated areas away from the leading edge and outside of fill limits, to allow it to melt during warmer temperatures.

- A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

January 24, 2022 – High Compaction Backfill placement (TW)

January 25, 2022 – High Compaction Backfill wheel rolling (TW)

January 28, 2022 – High Compaction Backfill placement (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 9985' Lift (Map Date 01/17/22)

Figure 2 – Section Approval Progress 9990' Lift (Map Date 01/17/22)

Figure 1: Section Approval Progress 9985' Lift (Map Date 01/17/22)

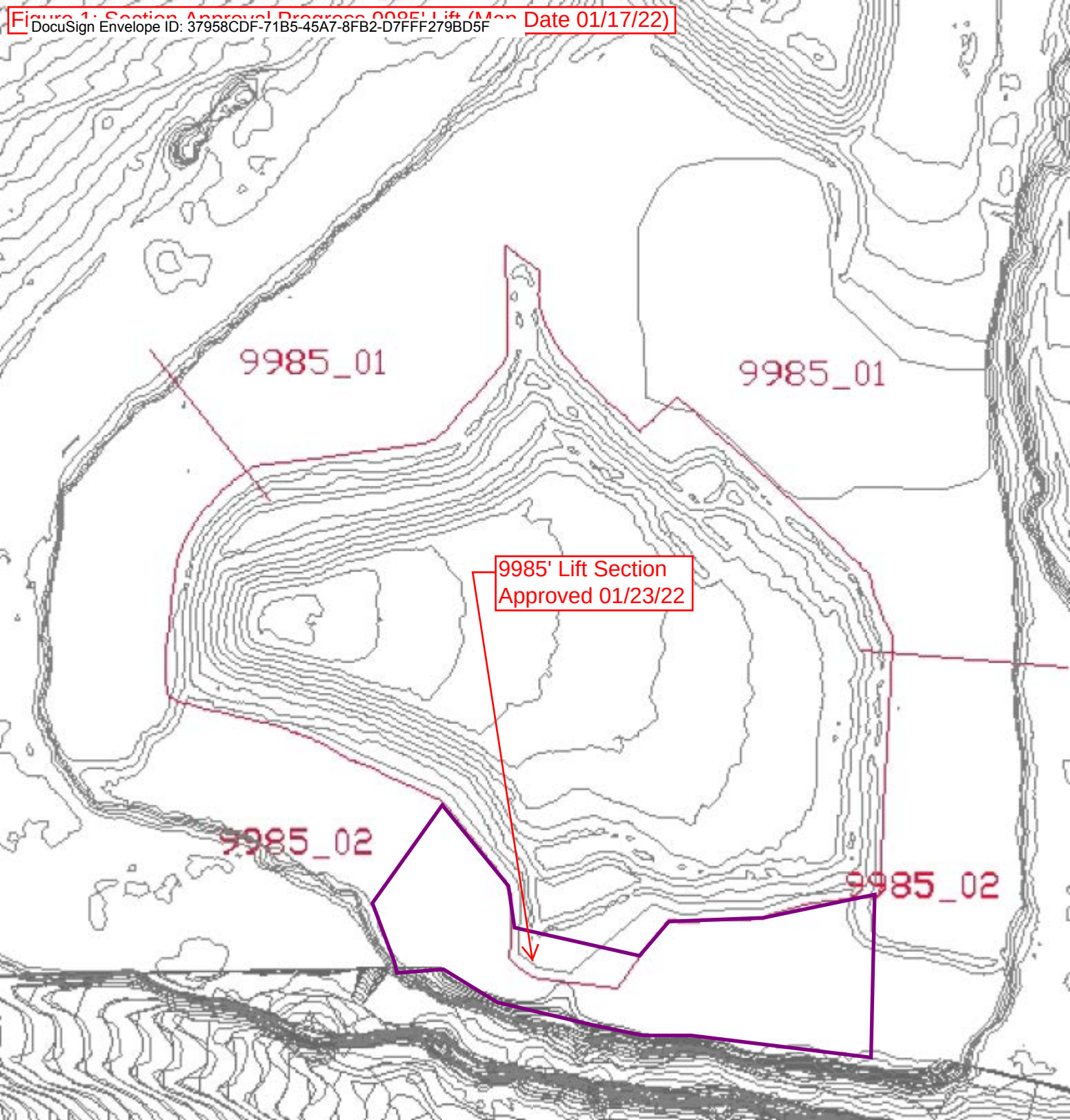
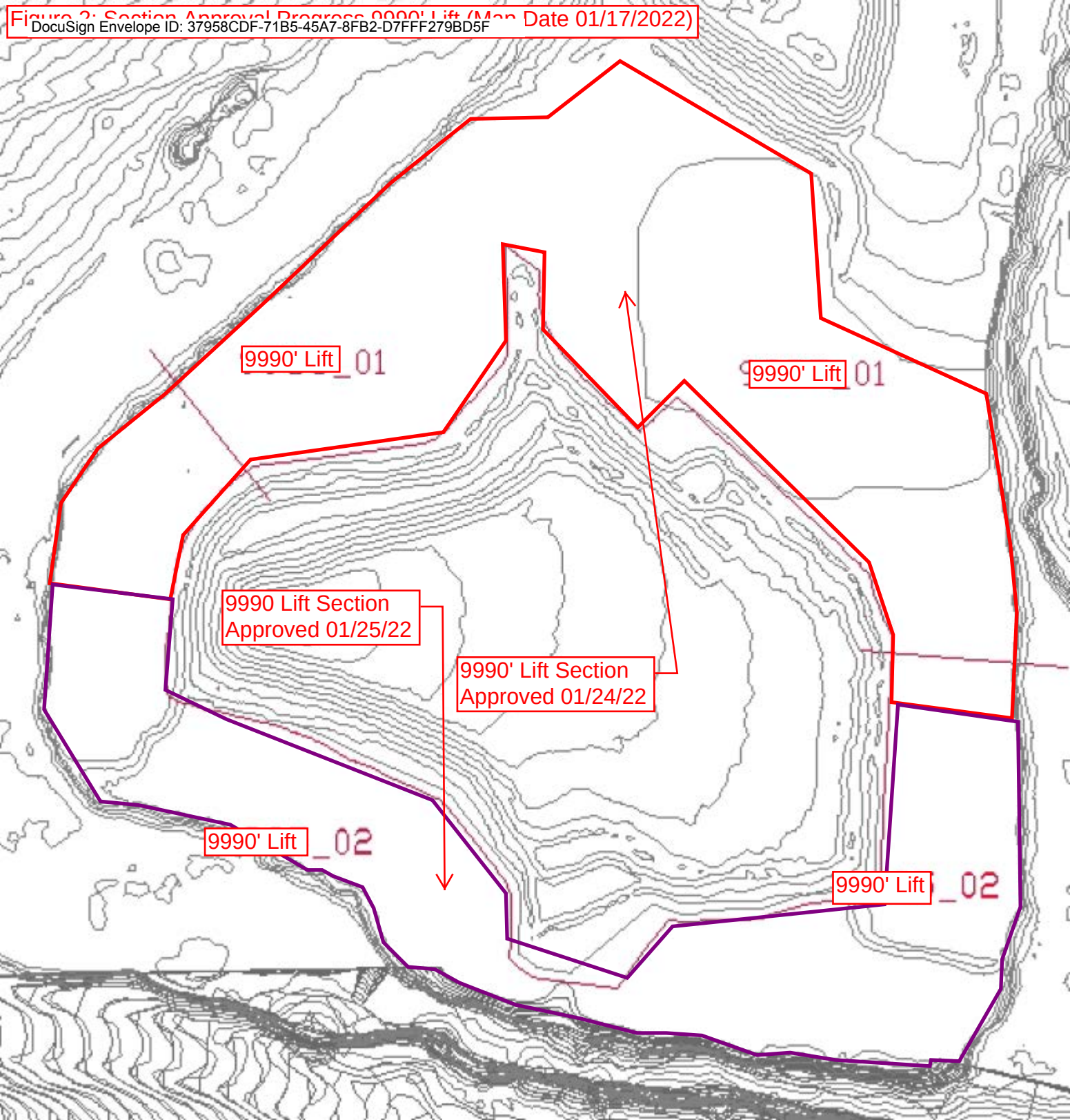


Figure 2: Section Approval Progress 9990' Lift (Map Date 01/17/2022)



FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, FEBRUARY 4, 2022

REPORTING PERIOD: 01.29.2022 THROUGH 02.04.2022

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 63°F TO 9°F

LOWS: 22°F TO -1°F

WEATHER CONDITIONS:

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: SNOW 2/2 AND 2/3

WIND: WIND GUSTS FROM 8 TO 22 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Jan 29	Jan 30	Jan 31	Feb 1	Feb 2	Feb 3	Feb 4
Jay Moore	-	-	-	-	-	-	-
Tyler Wendlandt	LS	-	-	-	-	-	-
George Fry	-	-	ST	ST	ST	ST	ST
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 9995’ and 10000’ elevation high compaction backfill lift. CC&V began the placement of the 10000’ and 10005’ elevation high compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer and loader placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill,

splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 9995’ and 10000’ lifts. Visual inspection and the method compaction specification were utilized to approve the lifts.

- Newmont Operations personnel removed snow (any area with plus 2” in accumulation) from out in front of the leading edge on high compaction fill placement during the weather event on 2/2 and 2/3. Snow was spread out in a designated area away from the leading edge, to allow it to melt during warmer temperatures.

- A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

February 2, 2022 – High Compaction Backfill placement (GF)

February 3, 2022 – High Compaction Backfill wheel rolling and leveling (GF)

February 4, 2022 – High Compaction Backfill placement (GF)

Report Review and Approval:

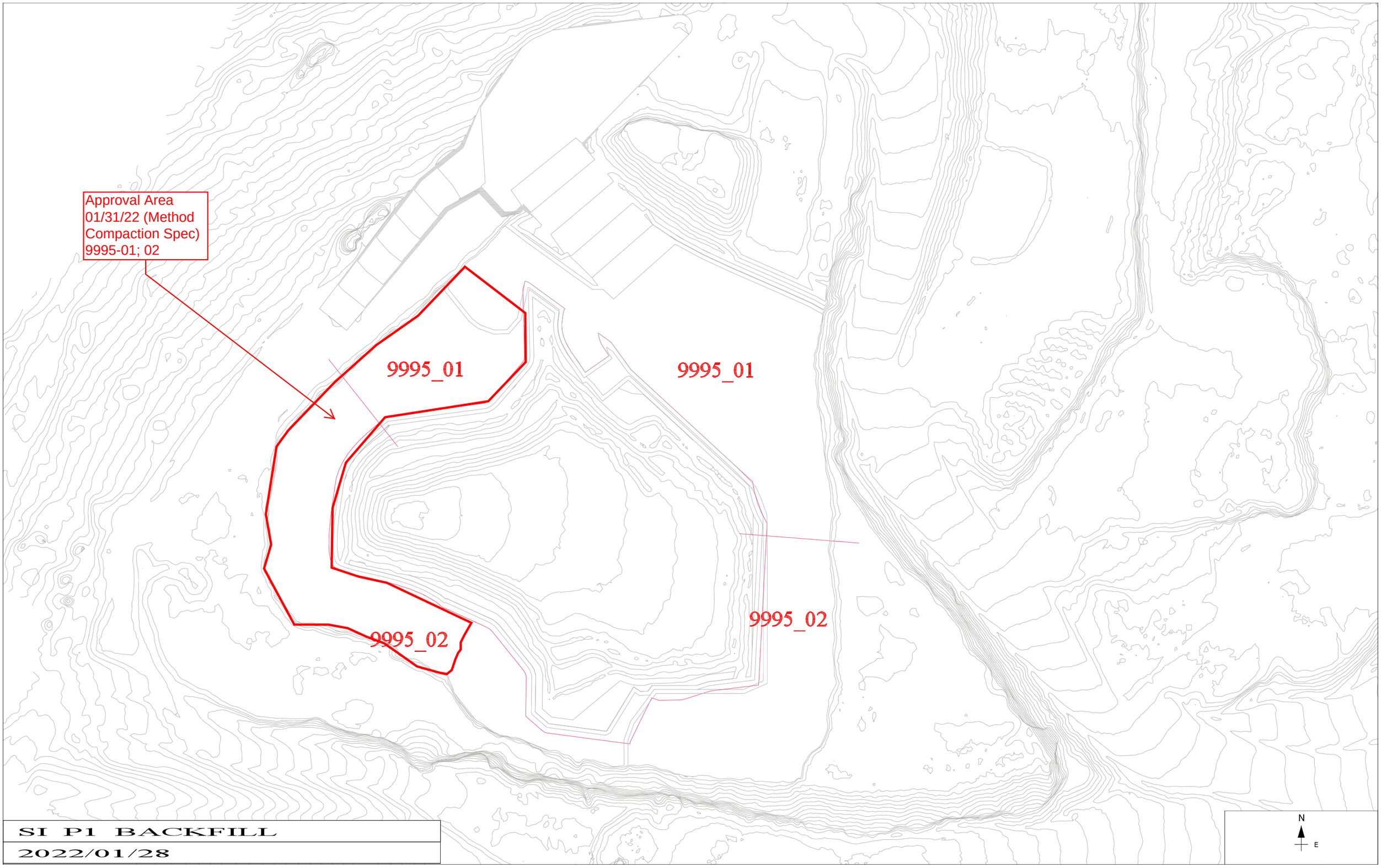
Role	Name	Signature
CQA Monitor/Report Prepared By	**George Fry**	George Fry
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

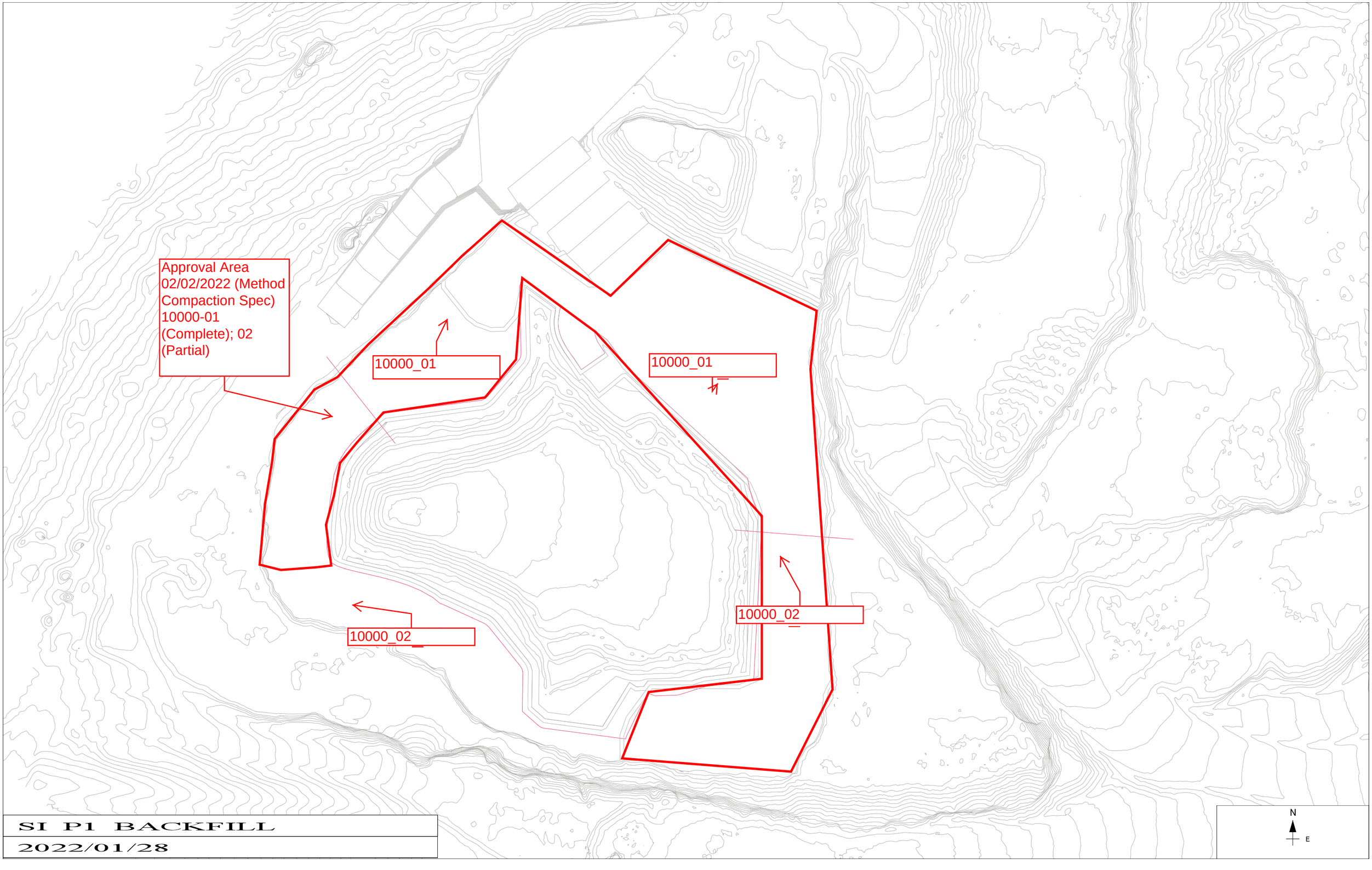
Attachments:

Figure 1 – Section Approval Progress 9995’ Lift (Map Date 1/31/22)

Figure 2 – Section Approval Progress 10000’ Lift (Map Date 2/2/22)

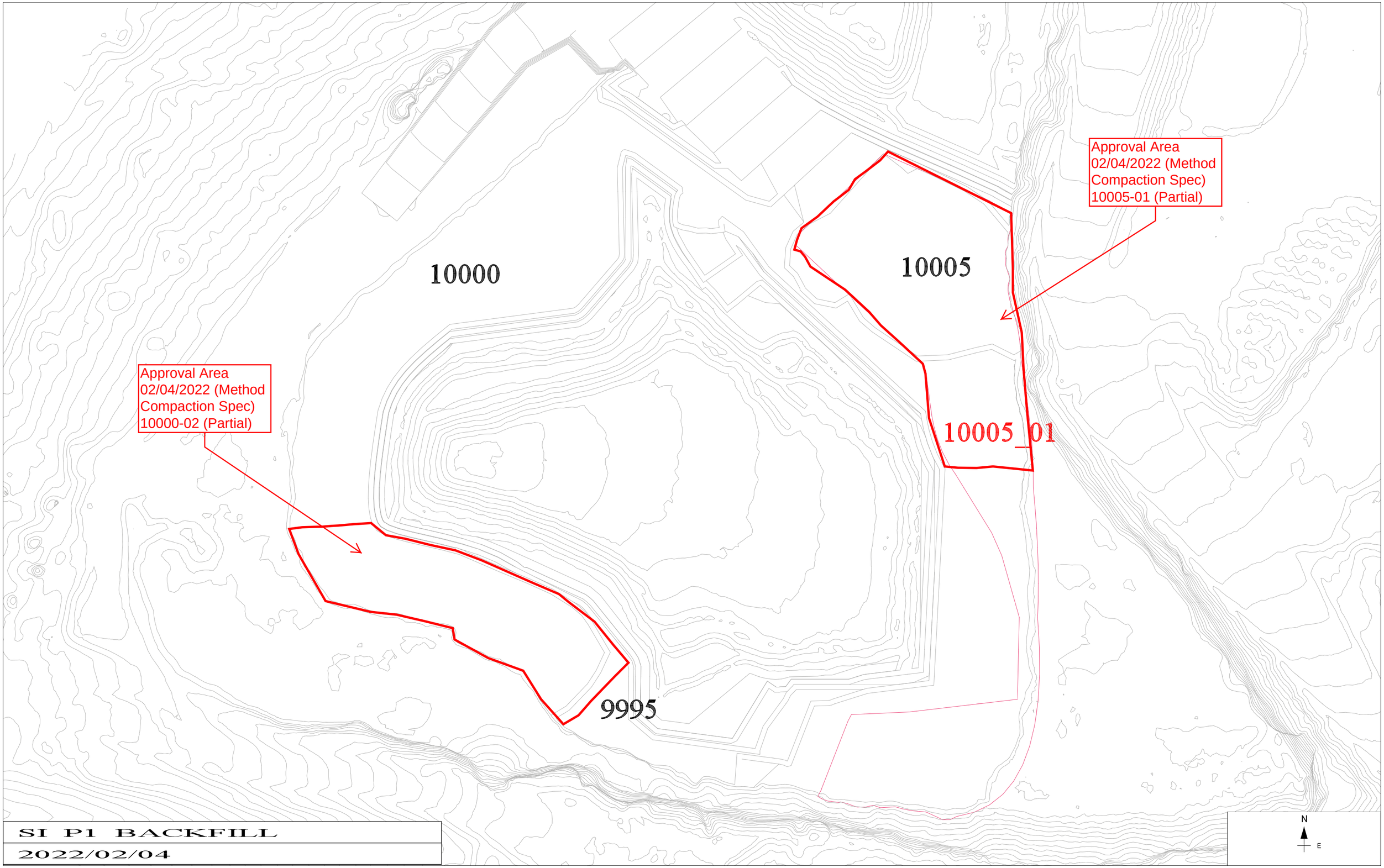
Figure 3 – Section Approval Progress 10000’ and 10005’ Lift (Map Date 2/4/22)





SI P1 BACKFILL

2022/01/28



FIELD WEEKLY PROGRESS REPORT

PROJECT: **VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL**

SITE: **CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)**

CONTRACTOR: **NEWMONT CC&V MINING OPERATIONS**

WEEK ENDING: **FRIDAY, FEBUARY 11, 2022**

REPORTING PERIOD: 02.05.2022 THROUGH 02.11.2022

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES AND WEATHER CONDITIONS:

HIGHS: 44°F TO 24°F

LOWS: 26°F TO 1°F

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: NONE

WIND: WIND GUSTS FROM 10 TO 50 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Feb 5	Feb 6	Feb 7	Feb 8	Feb 9	Feb 10	Feb 11
Jay Moore	-	-	-	-	PCE	-	-
Roxanne Li	-	-	-	-	PR	-	-
Tyler Wendlandt	-	-	LS	LS	LS	LS	LS
George Fry	ST	-	-	-	-	-	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 10005', 10010' and the 10015' elevation high compaction backfill lifts. CC&V began the placement of the 10020' elevation high compaction backfill lift. Run

of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 10005', 10010', 10015' lift. Visual inspection and the method compaction specification were utilized to approve the lift.

- A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

February 10, 2022 – High Compaction Backfill placement (TW)

February 11, 2022 – High Compaction Backfill wheel rolling (TW)

February 11, 2022 – High Compaction Backfill placement (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 10005' Lift (Map Date 02/4/22)

Figure 2 – Section Approval Progress 10010' Lift (Map Date 02/7/22)

Figure 3 – Section Approval Progress 10015' Lift (Map Date 02/11/22)

Figure 1: Section Approval Progress 10005' Lift

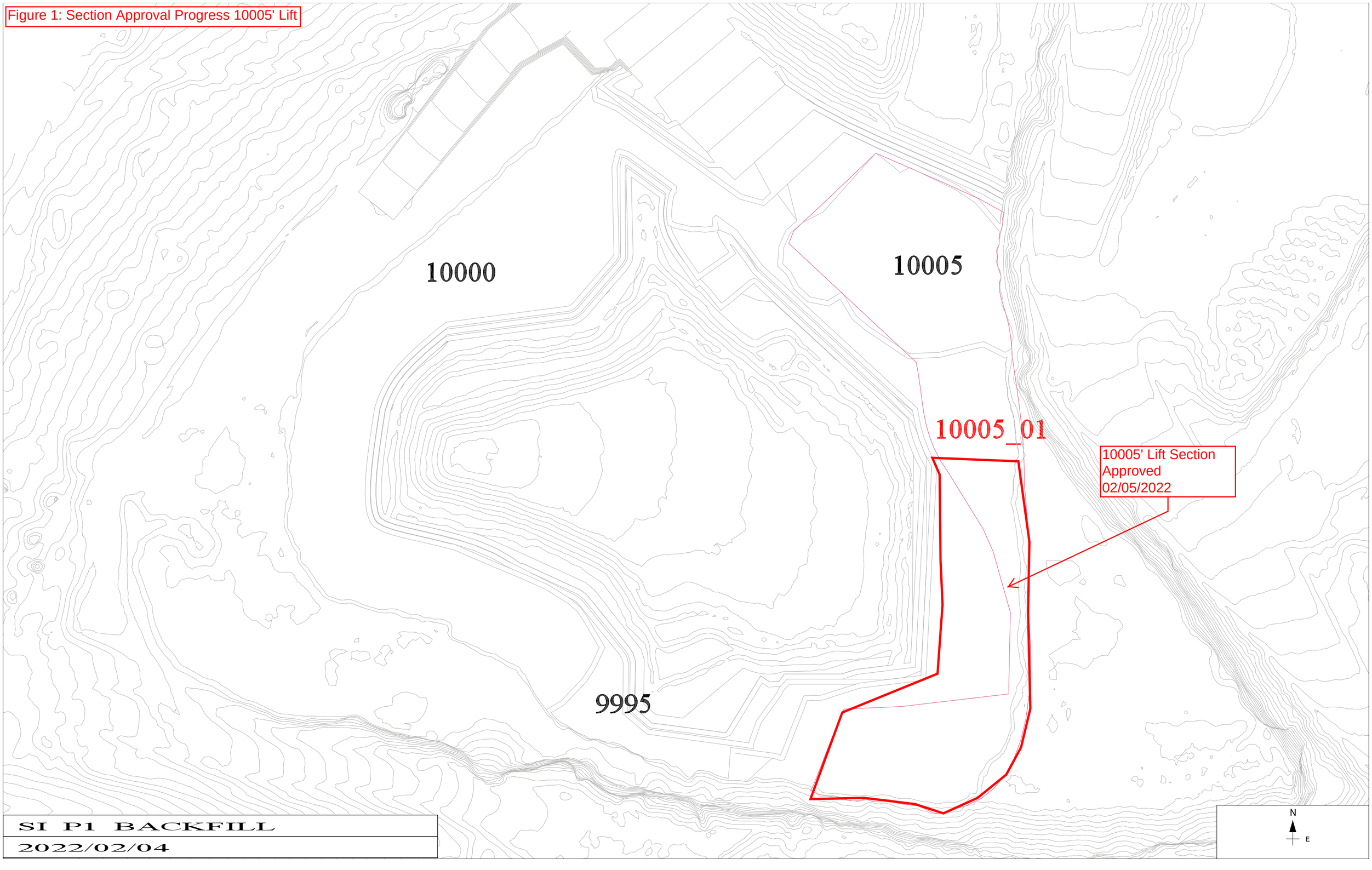


Figure 2: Section Approval Progress 10010' Lift

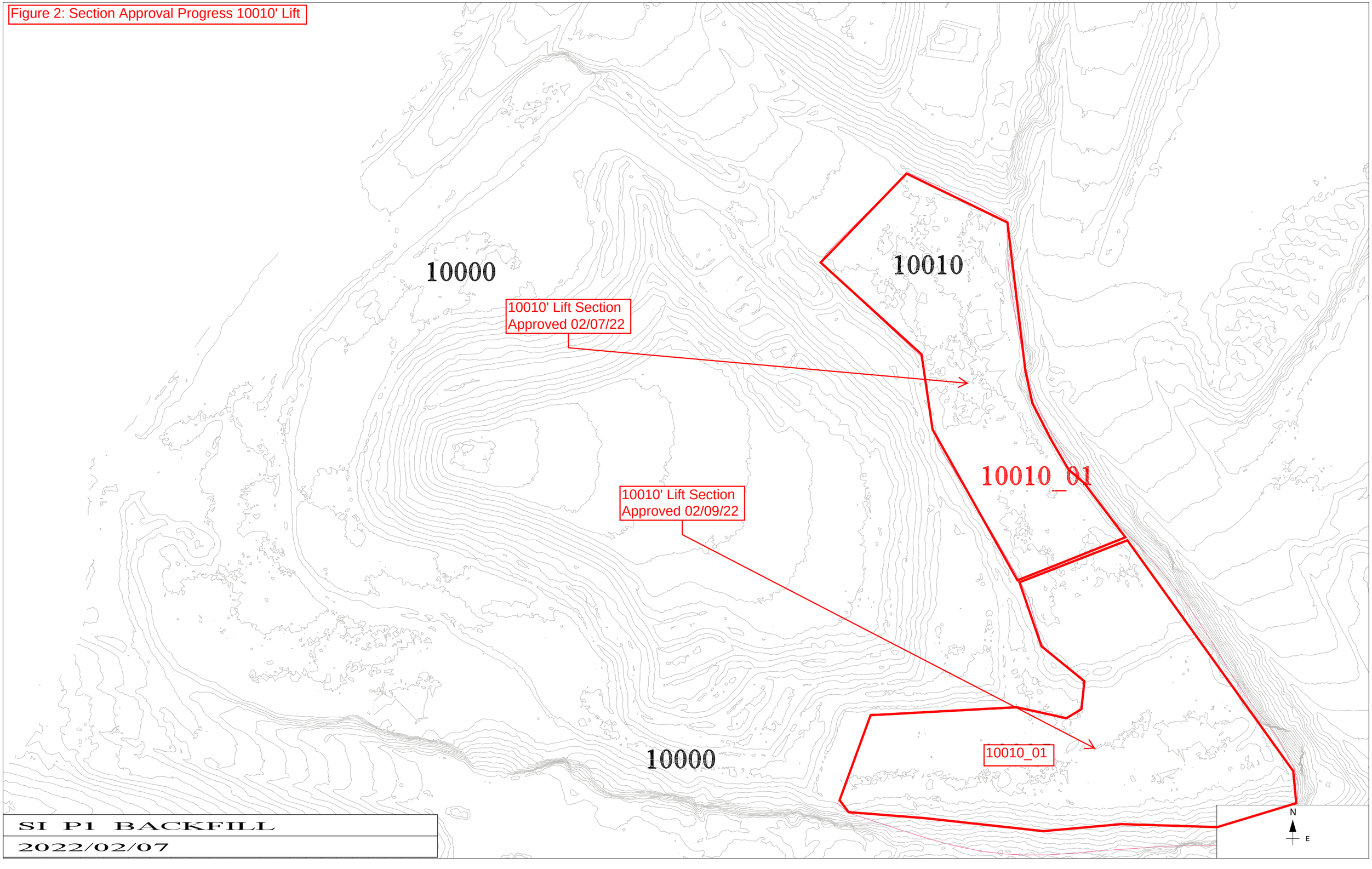
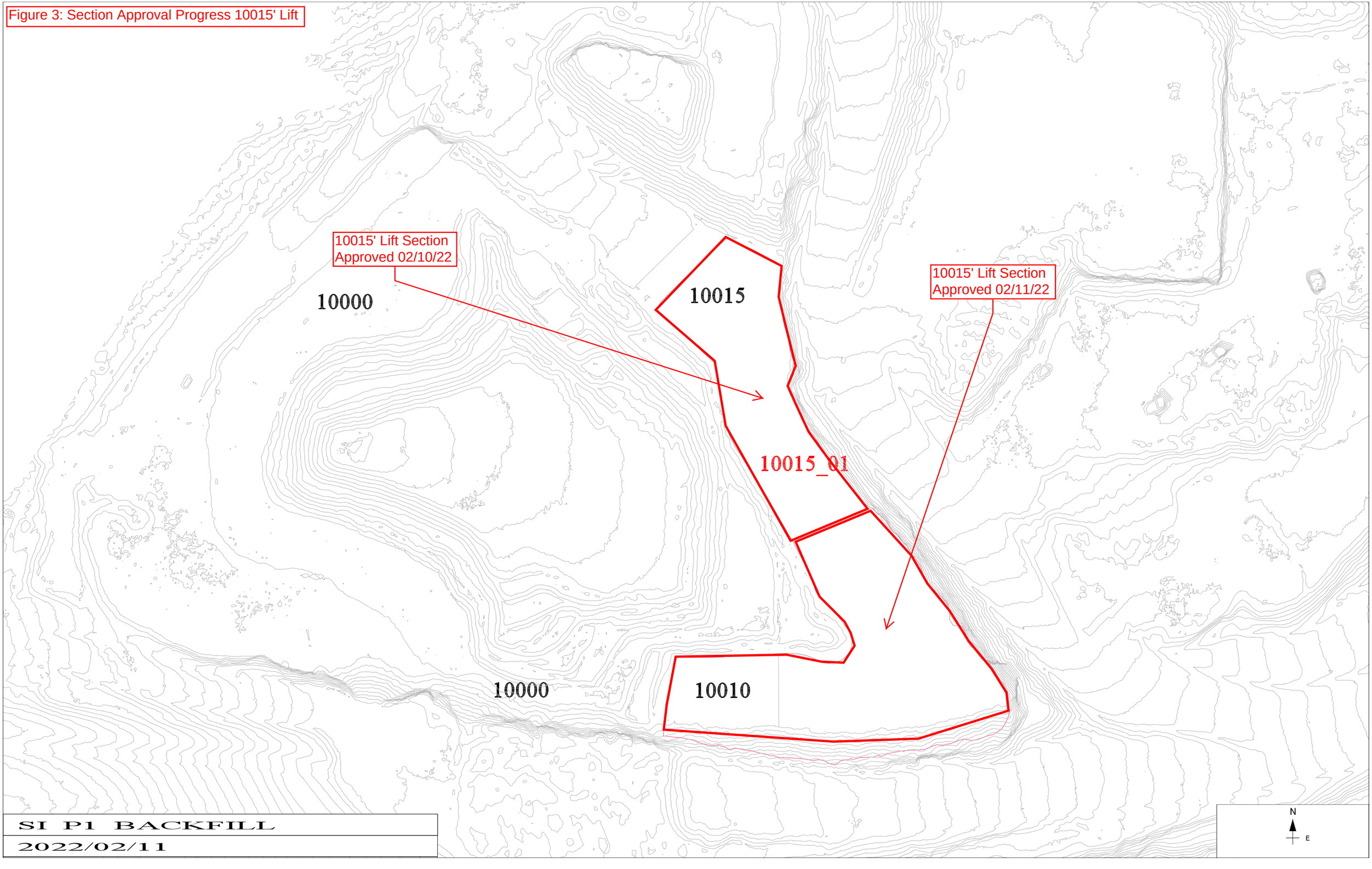


Figure 3: Section Approval Progress 10015' Lift



FIELD WEEKLY PROGRESS REPORT

PROJECT: **VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL**

SITE: **CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)**

CONTRACTOR: **NEWMONT CC&V MINING OPERATIONS**

WEEK ENDING: **FRIDAY, FEBUARY 18, 2022**

REPORTING PERIOD: 02.12.2022 THROUGH 02.18.2022

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES AND WEATHER CONDITIONS:

HIGHS: 46°F TO 25°F

LOWS: 26°F TO -1°F

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: SNOW 02/16 PM 5”-7”

WIND: WIND GUSTS FROM 10 TO 35 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Feb 12	Feb 13	Feb 14	Feb 15	Feb 16	Feb 17	Feb 18
Jay Moore	-	-	-	-	-	-	-
Roxanne Li	-	-	-	-	-	-	-
Tyler Wendlandt	-	LS	LS	LS	LS	LS	LS
George Fry	-	-	-	-	-	-	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 10,020’ elevation high compaction backfill lift. CC&V began the placement of the 10,025’ elevation high compaction backfill lift. Run of Mine material

was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 10,020’ lift. Visual inspection and the method compaction specification were utilized to approve the lift.

- NewFields personnel completed a partial approval of the 10,025’ lift. Visual inspection and the method compaction specification were utilized to approve the lift.

- Newmont Operations personnel removed snow (any area with plus 2” in accumulation) from out in front of the leading edge of high compaction backfill placement during a weather event on the night of 2/16/22. Snow was also removed from the 10,000’ elevation lift from STA 15+00 to STA 25+00 on 12/17/22 (Drawing A105) around the rough grade of the PSSA. Snow was spread out in designated areas outside of fill limits, to allow it to melt during warmer temperatures.

- A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

February 14, 2022 – High Compaction Backfill placement (TW)

February 18, 2022 – High Compaction Backfill progress (TW)

February 18, 2022 – High Compaction Backfill snow removal (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 10,020’ Lift (Map Date 02/11/22)

Figure 2 – Section Approval Progress 10025’ Lift (Map Date 02/11/22)

Figure 1: Section Approval Progress 10,020' Lift

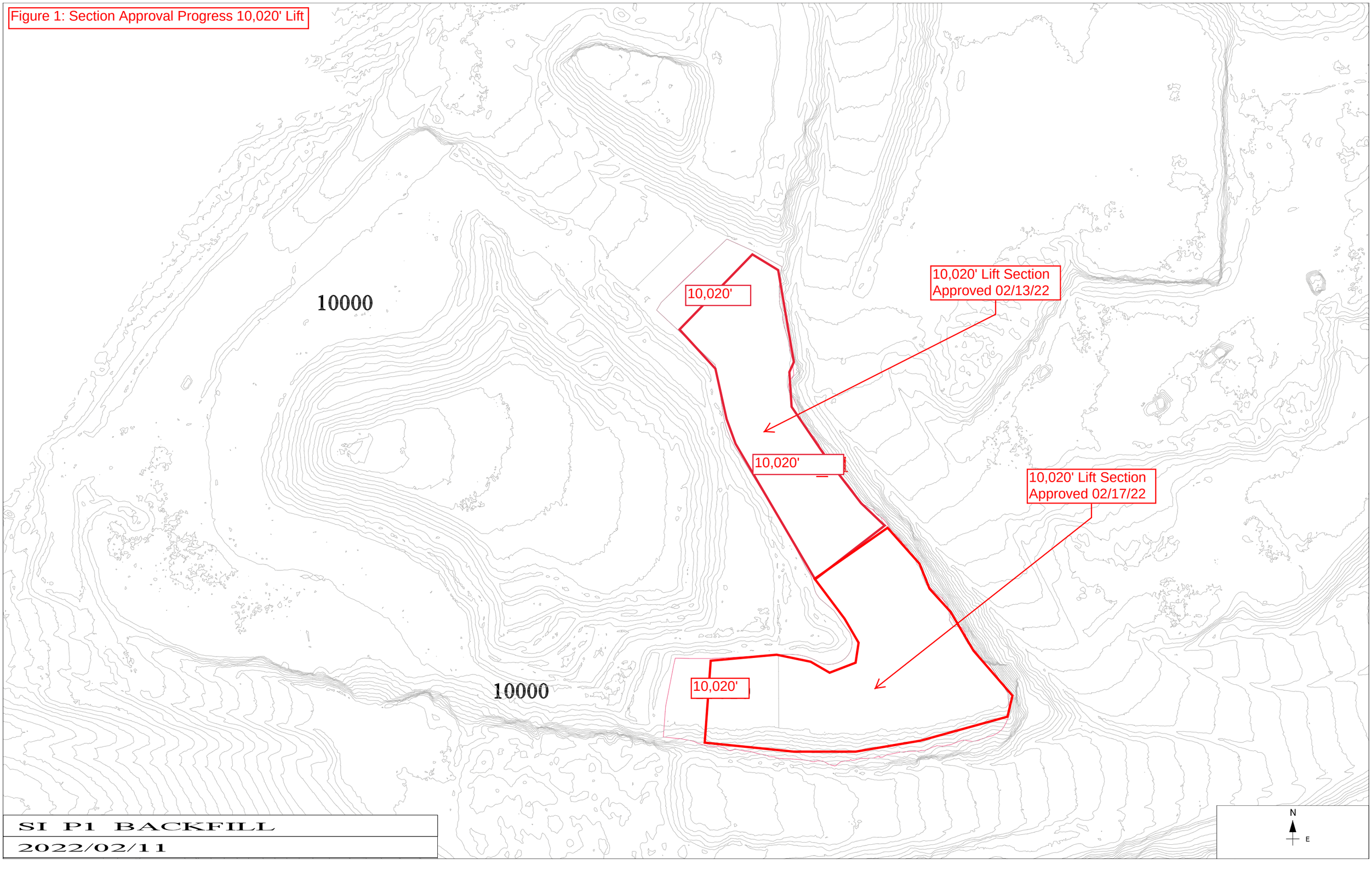
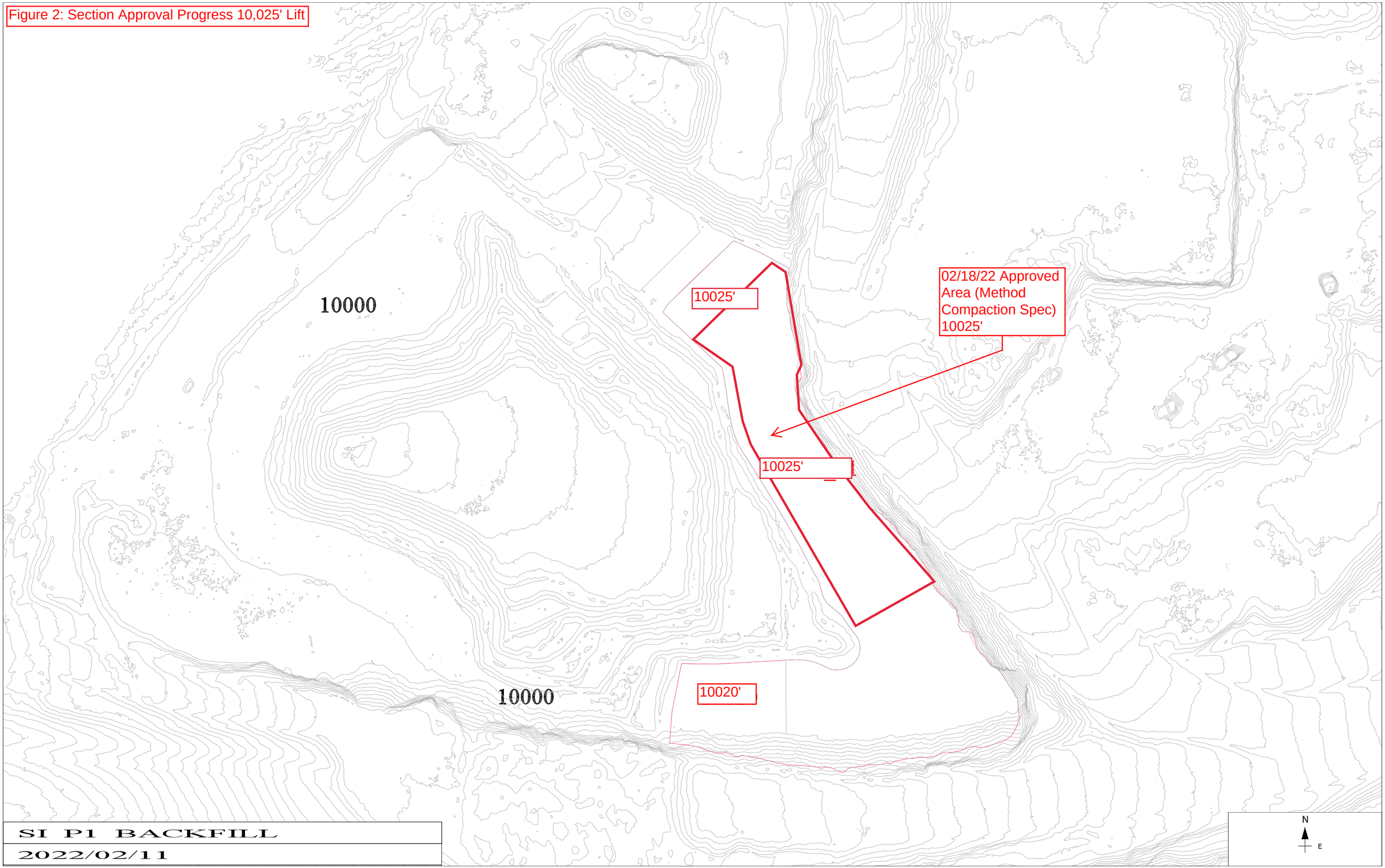


Figure 2: Section Approval Progress 10,025' Lift



FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 3 CQA HIGH COMPACTION BACKFILL

SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)

CONTRACTOR: NEWMONT CC&V MINING OPERATIONS

WEEK ENDING: FRIDAY, FEBUARY 25, 2022

REPORTING PERIOD: 02.19.2022 THROUGH 02.25.2022

Days	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Work Shifts	D/N	D/N	D/N	D/N	D/N	D/N	D/N
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES AND WEATHER CONDITIONS:

HIGHS: 45°F TO 14°F

LOWS: 26°F TO -9°F

CLOUD COVER: PARTLY TO MOSTLY CLOUDY

PRECIPITATION: SNOW 02/22 TRACE SNOW 2/23 TRACE

WIND: WIND GUSTS FROM 10 TO 30 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sat	Sun	Mon	Tue	Wed	Thu	Fri
	Feb 19	Feb 20	Feb 21	Feb 22	Feb 23	Feb 24	Feb 25
Jay Moore	-	-	-	-	-	-	-
Roxanne Li	-	-	-	-	-	-	-
Tyler Wendlandt	-	-	LS	LS	LS	LS	LS
George Fry	-	-	-	-	-	-	-
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer							

1.0 MINING OPERATIONS

1.1 Schist Island High Compaction Back Fill

CC&V completed the placement of the 10,005’ (western PSSA perimeter), 10,025’, and 10,030’ elevation high compaction backfill lift. CC&V began the placement of the 10,035’ elevation high

compaction backfill lift. Run of Mine material was loaded from the Schist Island Pit and West/South Cresson Pit and hauled by 793 haul trucks to the high compaction backfill. A D10 dozer placed material in a 5 foot GPS controlled leading edge lift. The haulage traffic travelled over the entirety of the fill, splitting tracks with each loaded haul truck. The D10 leveled out the windrows along the pit wall and pushed structural material into any surface irregularities along the pit wall.

CC&V shovel and loader operators monitored the Run of Mine material size being sent to the high compaction backfill. Out of specification loads containing 2 foot plus sized material were sent to the ECOSA stockpile. 2 foot plus sized material that was not removed at the dig-face by the shovel or loader operators was removed by a D10 dozer during material placement. The oversize material was stockpiled by the dozer out of the way above the current lift on the haul road against the pit high wall. A 993 loader loaded a 777 haul truck with the unsuitable material and it was then hauled to the ECOSA stockpile.

2.0 MEETINGS AND COMMUNICATIONS

NewFields personnel met with Mine Operations Supervision about the high compaction backfill progress and material quality.

3.0 MISCELLANEOUS, ISSUES, AND CONCERNS

- NewFields personnel completed the approval of the 10,005’ (western PSSA perimeter), 10,025’ lift, and the 10,030’ lift. Visual inspection and the method compaction specification were utilized to approve the lifts.

- NewFields personnel completed a partial approval of the 10,035’ lift. Visual inspection and the method compaction specification were utilized to approve the lift.

- A progress map provided by Newmont CC&V was utilized to create the attached figures showing high compaction backfill progress.

4.0 PHOTOGRAPHS

February 21, 2022 – High Compaction Backfill visual inspection (TW)

February 21, 2022 – High Compaction Backfill placement (TW)

February 24, 2022 – Turkey Ridge mining (TW)

February 24, 2022 – High Compaction Backfill placement; Turkey ridge mining (TW)

Report Review and Approval:

Role	Name	Signature
CQA Monitor/Report Prepared By	**Tyler Wendlandt**	
Or CQA Designee		
Project Engineer	**Jeff Gaul**	DocuSigned by: Jeff Gaul 1122B343C4A54DD...
Or Projects Designee		

Attachments:

Figure 1 – Section Approval Progress 10,005’ (West) Lift; 10,025’ Lift (Map Date 02/21/22)

Figure 2 – Section Approval Progress 10,030’ Lift (Map Date 02/21/22)

Figure 3 – Section Approval Progress 10,035’ Lift (Map Date 02/26/22)

Figure 1: Section Approval Progress 10,005' Lift (West); 10,025' Lift

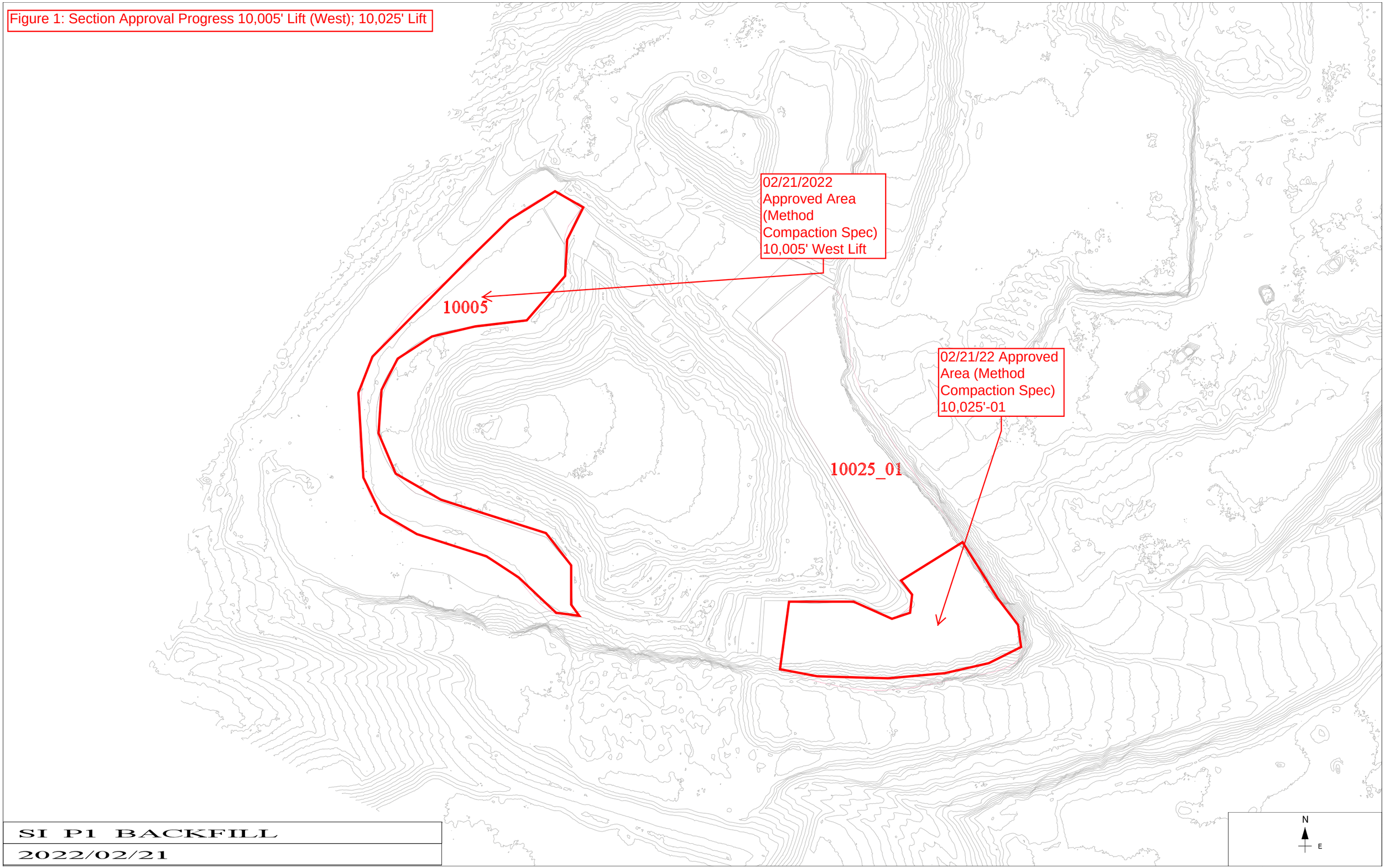
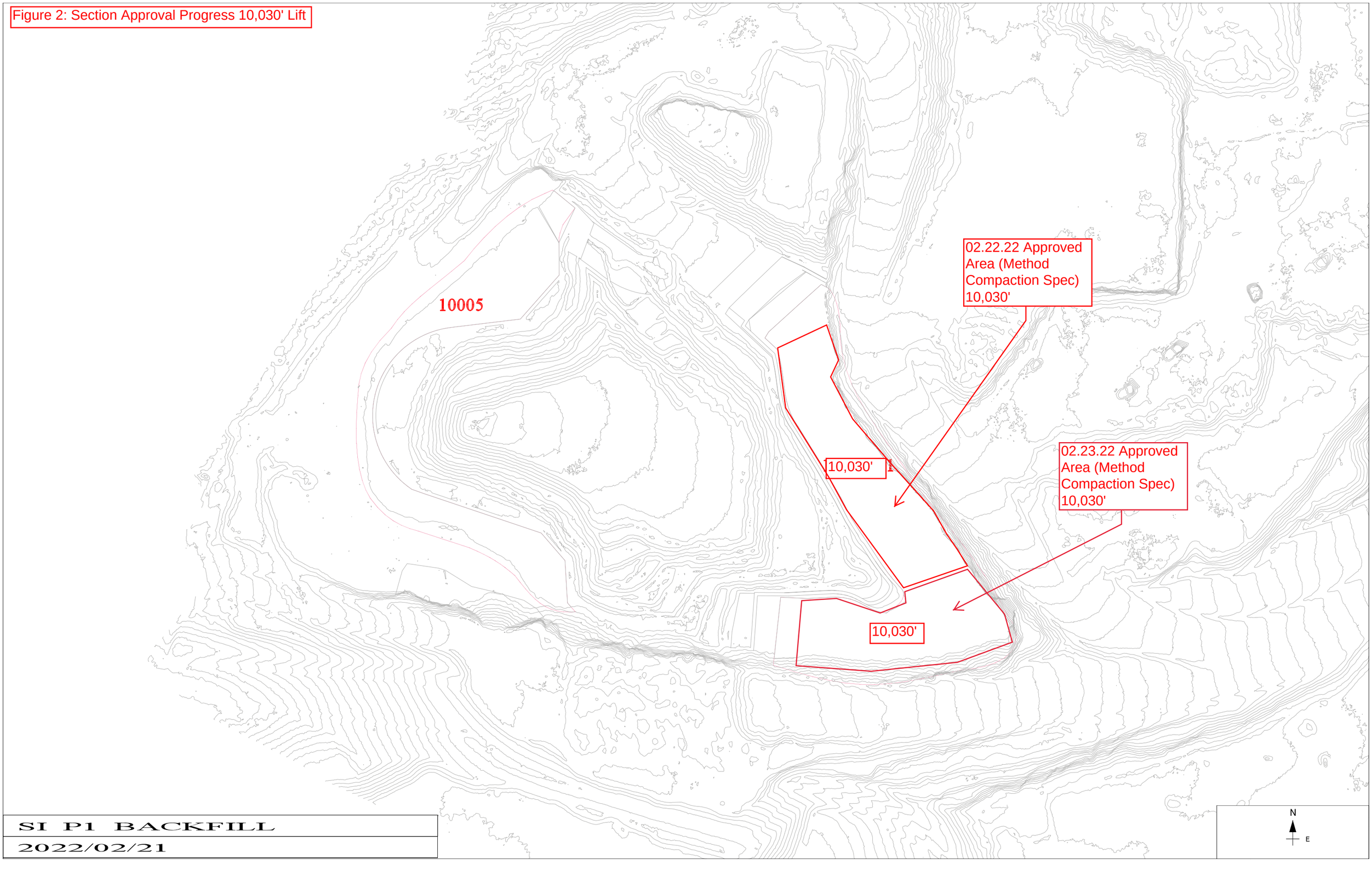


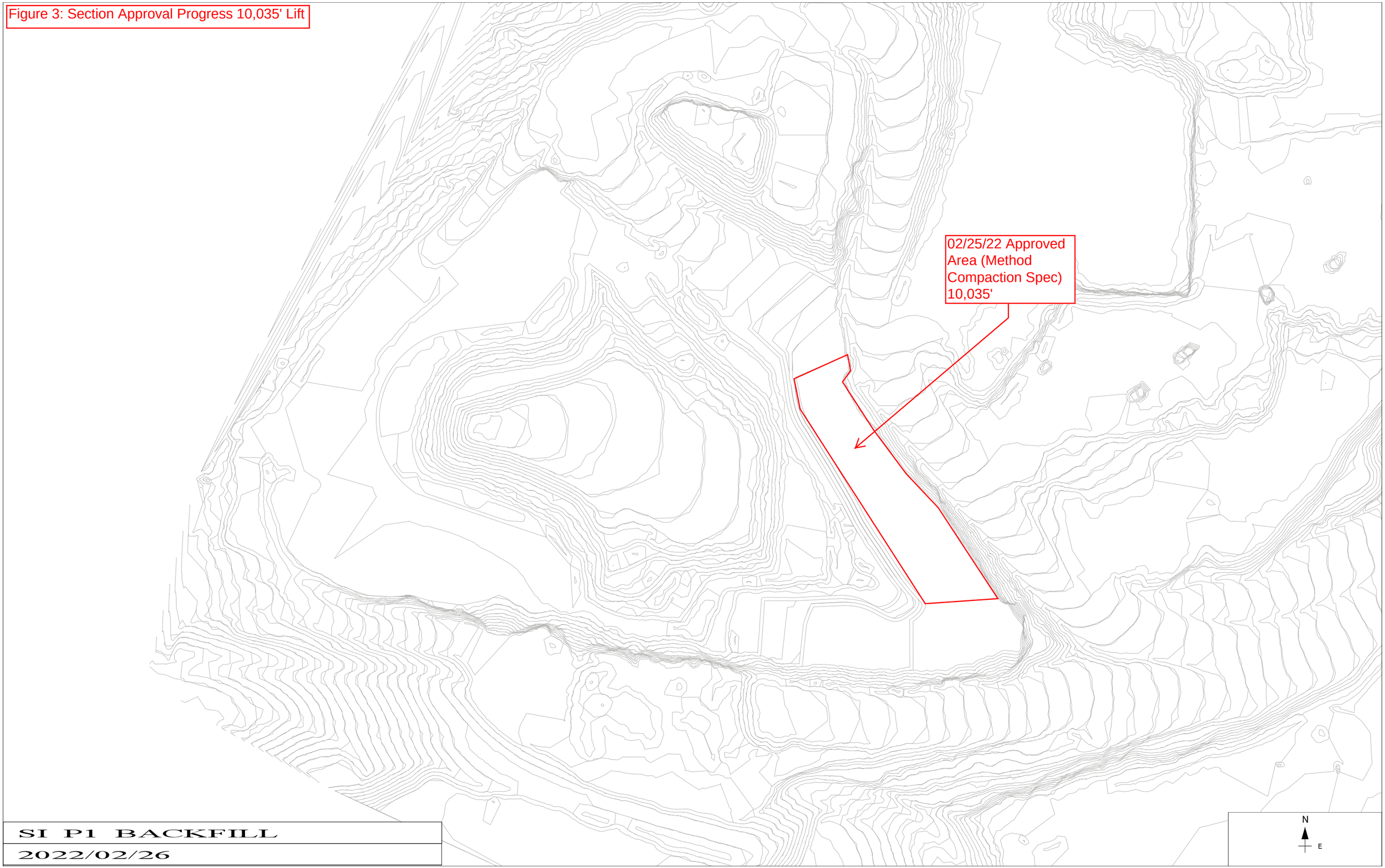
Figure 2: Section Approval Progress 10,030' Lift



SI P1 BACKFILL

2022/02/21

Figure 3: Section Approval Progress 10,035' Lift



Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2
Phase 3 Stage A.1 Record of Construction
Photograph Log

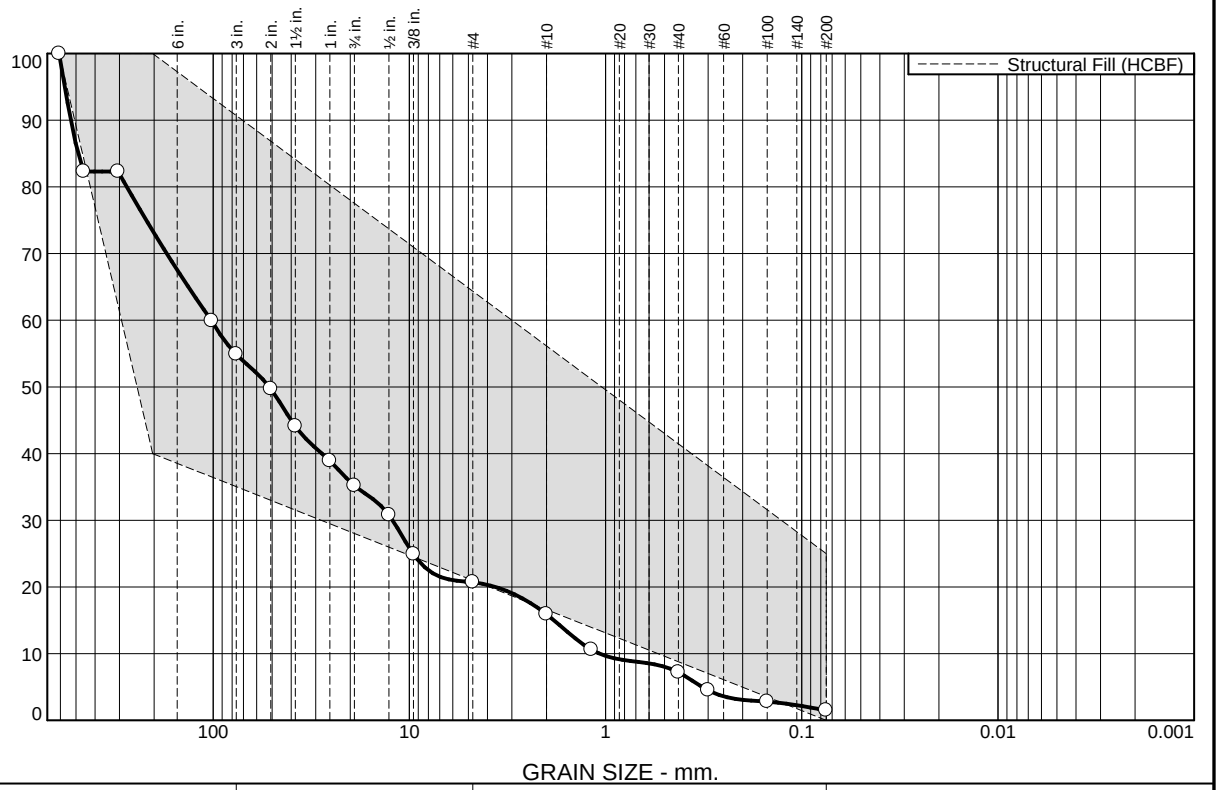
PHOTO NUMBER	PHOTOGRAPH DESCRIPTION	DATE TAKEN	PAGE
1	Overburden Fill Placement	October 11, 2021	1
2	Structural Fill (High Compaction Backfill) placement	November 7, 2021	1
3	Structural Fill (High Compaction Backfill) compaction	November 11, 2021	2

Photo 1 – Overburden Fill placement (October 11, 2021)

Photo 2 – Structural Fill/High Compaction Backfill placement (November 7, 2021)

Photo 3 – Structural Fill/High Compaction Backfill compaction (November 11, 2021)

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
45.1	19.7	14.5	4.8	8.7	5.7	1.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
24"	100.0	100.0	
18"	82.3		
12"	82.3		
4"	59.9		
3"	54.9		
2"	49.7		
1.5"	44.1		
1"	38.9		
.75"	35.2		
.5"	30.8		
.375"	24.9		
#4	20.7		
#10	15.9		
#16	10.6		
#40	7.2		
#50	4.5		
#100	2.8		
#200	1.5	0.0 - 25.0	

* Structural Fill (HCBF)

Material Description

Brown well-graded gravel with sand

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D_{90}= 530.9382 D_{85}= 487.5178 D_{60}= 102.1655
D_{50}= 51.7115 D_{30}= 12.1607 D_{15}= 1.8341
D_{10}= 1.0721 C_u= 95.30 C_c= 1.35

Classification

USCS= GW AASHTO= A-1-a

Remarks

Location: N 59,540 E 35,080
Sample Number: HCBF-19-R **Depth:** 9,980 **Date:** 01/18/2022

NewFields

Client: Newmont CC&V Gold Company
Project: VLF2 P3 Stage A

Project No: 475.0106.053 **Figure** HCBF-19-R

Tested By: TW **Checked By:** TW