



Cripple Creek & Victor Gold Mining Company

A Joint Venture · ANGLOGOLD ASHANTI (COLORADO) CORP., Manager

Operations Office

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SENT CERTIFIED, RETURN RECEIPT REQUESTED
7011-0470-0000-4833-9179

February 5, 2014

Mr. Timothy Cazier
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

Reference: Cripple Creek & Victor Gold Mining Company,
Cresson Project Squaw Gulch (VLF), Hwy 67 Realignment

Subject: Weekly Construction Quality Assurance ("CQA") Report:
AMEC: Squaw Gulch (VLF), Hwy 67 Realignment - Week ending 01/25/14.

Dear Mr. Cazier:

Cripple Creek & Victor Gold Mining Company ("CC&V") is hereby providing the weekly Construction activity and Progress report prepared by AMEC, reporting the CQA services performed for the Squaw Gulch (VLF), Hwy 67 Realignment Construction during the week ending January 25, 2014.

Should you have any questions, please do not hesitate to contact me at (719) 689-4055.

Sincerely,

Timm Comer
Manager, Environmental Resources

Enclosures: AMEC Squaw Gulch (VLF), Hwy 67 Realignment Monitoring Summary (Weekly Report).
Week ending 01/25/14.

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CRIPPLE CREEK & VICTOR GOLD MINING Co.
Squaw Gulch (VLF), HWY 67 Realignment Field Monitoring Summary Weekly Report

Owner:	Cripple Creek & Victor Gold Mining Co.	Project Number:	74201125N0. ****. ****	Date	1.25.2014
Project:	Squaw Gulch (VLF), Hwy 67 Realignment				
Location:	Cripple Creek & Victor Gold Mine, Colorado				
Contractor:	Ames Construction Co. Inc.				

Reporting Period: 1.19.14 thru 1.25.14

Days	S	M	T	W	T	F	S
Work Shifts	-	D	D	D	D	D	D
	-	-	-	-	-	-	-
D = Day Shift H = Holiday W = Weather Day							

Ambient Temperature Ranges for reporting period:

Low: 6°F to 24°F

High: 20°F to 46°F

Weather conditions for reporting period:

Cloud Cover: Snow Thursday; otherwise, mostly clear

Precipitation: None

Wind: Variable

Ames: Continuing construction tasks for the Historical Crib Wall / South MSE Wall and VLF.

Planning: Continuing construction activities and scheduling for Historical Crib Wall / South MSE Wall and VLF.

CONSTRUCTION ACTIVITIES and PROGRESS:

I) Earthworks

A) VLF (Phase I)

Topsoil / Overburden Stripping: No topsoil or overburden stripping occurred this week.

Production drilling: Production drilling occurred during this reporting period within the VLF limits.

Production blasting: Five blasts occurred within the VLF.

Structural Fill:

Cat dozers continued pushing material downslope near stations A14+00 and B16+00 where it was placed into Cat 777 haul trucks by a Cat 992G loader. The material was transported to the buttress fill adjacent to Dump 4 and was placed in approximately 24-inch lifts by a Cat D9 dozer. A Cat 330 excavator rock hammer broke oversized rock while a Cat smooth drum vibratory roller compacted the lifts per method specification.

A Cat D10 pushed material downslope from Dump 4 east of the Phase 2 Diversion Channel area where it was placed as fill in approximately 3 foot lifts by a Cat dozers. The lifts were compacted per method specification by a Cat vibratory smooth drum roller.

A John Deere 850 excavator loaded 740 haul trucks with material removed near station Q4+00. The material was hauled in between stations E1+00 and C6+00 and placed using a Cat D8 GPS dozer in approximately 24 inch lifts. The lifts were compacted per method specification by a Cat CS56 smooth drum vibratory roller.

A John Deere 870 excavator loaded 740 haul trucks with material removed near station FF10+00. The material was hauled to an area near stations FF1+00 to F4+00 and DD0+00 to DD2+00 and placed using a Cat D8 GPS dozer in



approximately 24 inch lifts. The lifts were compacted per method specification by a Cat CS56 smooth drum vibratory roller.

A John Deere 850 excavator loaded 740 haul trucks with material removed at the base of the PSSA toe berm. The material was hauled to the upper PSSA toe berm fill surface and was placed using a Cat D8 GPS dozer in approximately 24 inch lifts. The lifts were compacted per method specification by a Cat CS56 smooth drum vibratory roller.

A John Deere 1050J, a Cat D8t GPS, and a Cat D6 GPS dozer graded the slopes between stations HH0+00 to HH2+00 and FF4+00 to FF8+00.

A Cat D9 dozer removed the former highway pavement and prepared a drill pad below the Crib Wall near stations B8+00 to B10+00.

A Cat dozer graded the slope near stations Q6+00 to Q10+00.

Clay (SLF) Processing:

Cameron Site: No clay mining or processing occurred at the Cameron Site. Approximately, 244,860 tons of clay / soil liner fill (SLF) material have been produced at the Cameron site. SLF produced from the operation remains stockpiled at Cameron Site for later removal / use.

Squaw Gulch Clay Borrow Site: Clay processing took place at the Squaw Gulch Clay Borrow Site. Approximately, 41,500 tons of soil liner fill material has been produced at the Squaw Gulch Clay Borrow Site to date.

A Cat 980 loader was used to transport till from the mid portion of the clay borrow area to the lower portion for processing.

Underdrain System:

Secondary Underdrain: No secondary underdrain was installed during this reporting period. Approximately, 5,064 feet of secondary underdrain has been completed to date in the VLF.

Primary Underdrain: No work was performed on the primary underdrain during this reporting period. A total of 1,294.60 feet of primary underdrain has been completed.

Tree /Slash Grubbing and Clearing, Chipping:

Tree removal occurred at the Drain Cover Fill (DCF) stockpile expansion area occurred.

B) Underground Workings

Confirmation drilling occurred at underground working UG #6302. Additional work will continue.

Two layers of geogrid and select structural fill were installed at Working UG # 6123. Work is to continue.

Working UG #6302 was excavated to a depth of 25 feet. The bottom of the shaft was not located and no timbers were found; they were possibly removed during slope grading. What appears to be an adit was noted at the bottom of the excavation trending in a northerly direction up-slope. Drilling will be required to further locate the adit. The shaft was backfilled for safety and drilling access was provided. Work to continue.

Cemented rock fill was placed in Underground Working number 6087.

UG 6374 was prepped for a 2-layer geogrid system. AMEC personnel approved the prepared subgrade for geogrid placement.



Ames finished backfilling UG #6320. The shaft was filled to within 50 feet of the surface using the 60-inch minus material. The remainder of the shaft was completed with the on-site tailings which classifies as coarse shaft backfill. The total amount of material placed in the shaft was approximately 6,355 cubic yards.

A Cat 345 excavator removed shot rock from the adit at UG #6003. Two additional adits were located and will require confirmatory drilling to isolate them.

Underground Workings U6332, 6342, 6417, 6405, 6416, 6410, and 6301 were excavated to competent rock, backfilled with structural fill, and are considered remediated.

Structural fill was placed over the cemented rock fill in Underground Working number U6280. The working is considered remediated.

Cemented rock fill was placed in Underground Working number 6036 and then backfilled with structural fill. The working is considered remediated.

Working UG #6283 was blasted, excavated, backfilled with structural fill, and is considered remediated.

Drain Cover Stockpile Extension, Outside the Phase 2 Work Area:

Seven underground workings were located within the planned stockpile extension yesterday. Four of the workings were previously removed in July 2013.

The following workings were located and were backfilled during the site grading and tree removal:

UG #6424: (5453), Known Shaft: Remediated, backfilled.

UG #U6425: Unknown Trench: Runs from the east to west about 80-feet in length. Remediated, backfilled.

UG #U6426: Unknown Shallow Surface Working. Remediated, backfilled.

C) Historical Crib Wall / South MSE Wall:

A Cat 320 excavator was used to remove tailings from behind the timbers at the historic crib wall. The tailings were pushed down hill near station B16+00 where they were loaded out and used as fill. A Cat 320 excavator was also used to remove timber panels from the historic crib wall that were fastened together with steel backing straps and spikes.

Timber-panel installation continued at the South MSE wall.

II) Storm Water Management

Best Management Practices (BMP) is being performed. Erosion control efforts took place during this reporting period following any precipitation (snow removal and runoff from melting snow and ice).

CQA ACTIVITIES:

I) **Field Activities:** Observation of construction activities during this reporting period included: Slope grading and fill placement; Underground working remediation and drilling; Production drilling and blasting; Timber panel and tailing removal at the historic Crib Wall; Timber panel installation at the South MSE Wall; and Clay (Soil Liner Fill—SLF) and Drain Cover Fill (DCF) processing.

II) **Laboratory Activities:** Laboratory testing continued with Permeability, Particle Size Distribution, Atterberg Limits, Moisture-Density, gradations and material classification and identifications and field material sampling were performed during this reporting period.

DCF: Sample 50 was collected and returned to Amec's laboratory for analysis.

SLF Sample Number 91-S through 93-S were collected and returned to Amec's laboratory for analysis.



General Project Items

Meetings and Discussions: The Contractor Meeting occurred on January 22, 2014 with CC&V Projects, Amec, and Ames.

Summary of Concerns: None.

CC&V: Daily updates, reporting and scheduling are some of the tasks occurring between CC&V Projects, Amec and Ames.

Miscellaneous: A Grizzly was setup near the Midway area for Rip Rap production.

Deliveries: None

Submitted by: Eric Lorensen

Date: 25 Jan. 2014

CQA Monitor

Reviewed By:

Tim Burkhard

Project Resident Manager

Phone: 505.975.8655

Eric Lorensen
ERIC LORENSON

For Tim Burkhard

Date:

1-31-14

Approved By:

CC&V Projects

Scott Reda

Date:

1-30-14



ATTACHMENT A

AMEC - 2013 CQA Field Staff Schedule MLE2

Name	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25
Tim Burkhard	-	PR	PR	PR	PR	PR	PR
Steve Rice	-	UG	UG	UG	UG	UG	-
Ben Melly	-	ST	ST	ST	ST	ST	-
Robert Redd	-	UG	UG	UG	UG	UG	UG
Tyler Browning	-	-	ST	ST	-	ST	-
Reggie Long	-	-	-	-	-	-	-
Eric Lorensen	-	ST	ST	ST	ST	ST	ST
Razi Molloy	-	LT	LT	LT	LT	LT	LT
Randy Johnson	-	-	-	-	-	ST	ST

LEGEND

PS = Project Sponsor
PCE = Project Certifying Engineer
PM = Project Manager
PR = Project Resident
LS = Lead Soils Engineer
LG = Lead Geosynthetics Engineer
ST = Soil Technician
LT = Laboratory Technician
GT = Geosynthetics Technician
FLM= Field/Laboratory Manager
UG = Underground Working Remediation
SE = Senior Engineer

Photographs of daily activities:



Photo 1: Cut and fill operations east of the Phase 2 Diversion Channel adjacent to Dump 4.

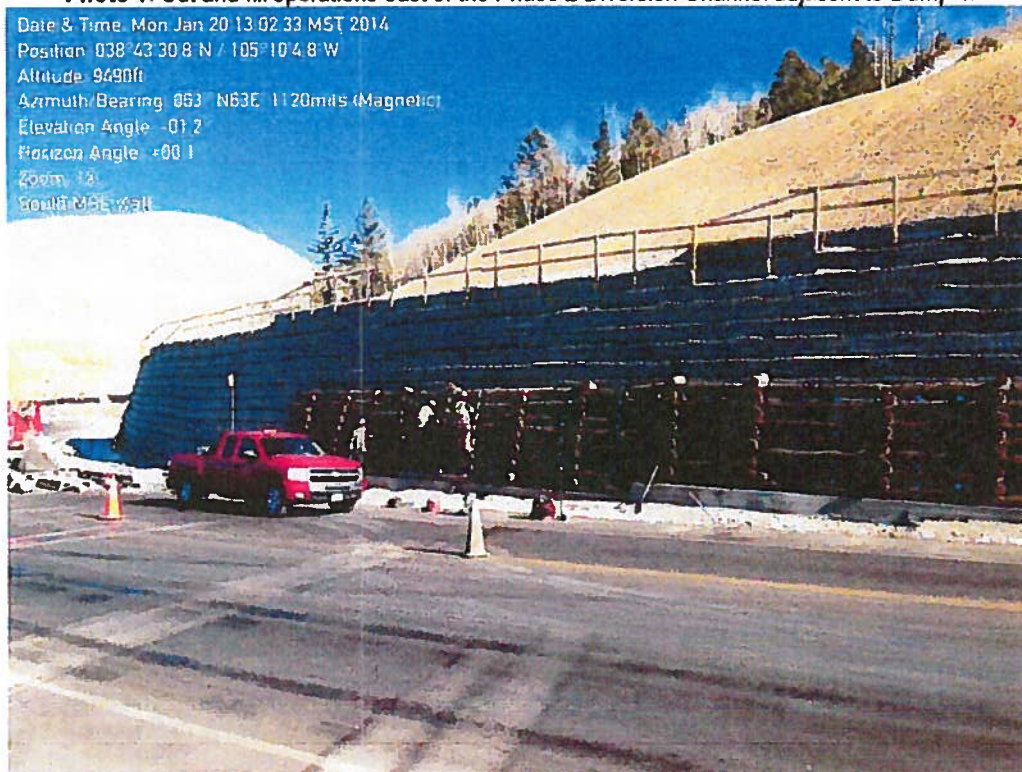


Photo 2: Installed timber panels at the South MSE Wall.

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Photo 3: Placement of the second layer of geogrid at Underground Working UG 6123.

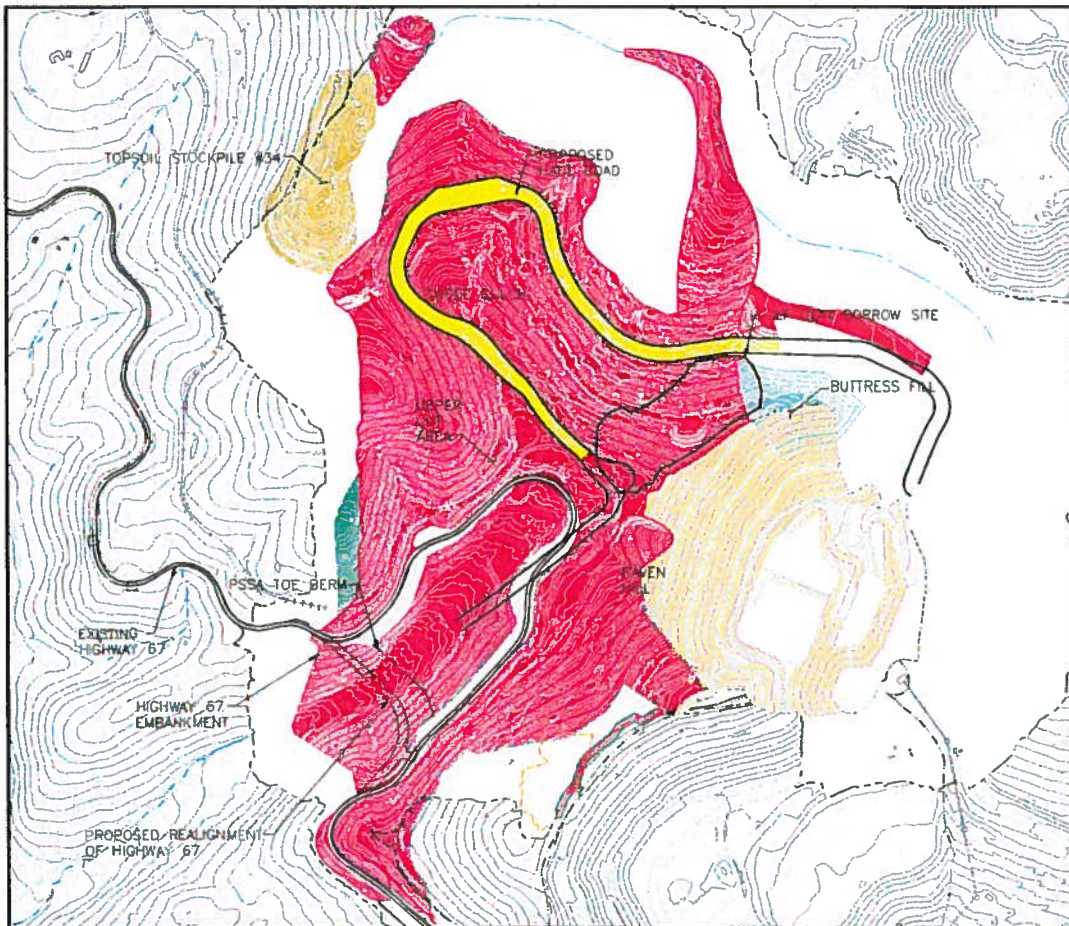


Photo 4: Newly discovered adits at Underground Working UG 6003.

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LEGEND:

- █ AREA OF CUT AND FILL
- █ CLEARING AND GRUBBING
- █ TOPSOIL STOCKPILE
- █ HAUL ROAD CUT/FILL
- █ BUTTRESS FILL

NOTE:

AREAS SHOWN ARE APPROXIMATE AND NOT TO BE USED FOR ACTUAL DESIGN PURPOSES.

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MILE 2 SQUAW GULCH			
CLEARING, GRUBBING AND FILL AREAS			
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