COLORADO
Division of Reclamation, Mining and Safety
Department of Natural Resources

MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Cresson Project	**MINE/PROSPECTING ID#:** M-1980-244	**MINERAL:** Gold and silver	**COUNTY:** Teller
INSPECTION TYPE: Monitoring	**WEATHER:** Clear	**INSP. DATE:** November 28, 2022	**INSP. TIME:** 09:30
OPERATOR: Cripple Creek & Victor Gold Mining Company	**OPERATOR REPRESENTATIVE:** Tony Matarrese, Brian Doering	**TYPE OF OPERATION:** 112d-3 - Designated Mining Operation	
REASON FOR INSPECTION: Normal I&E Program	**BOND CALCULATION TYPE:** None	**BOND AMOUNT:** $209,491,188.00	
DATE OF COMPLAINT: NA	**POST INSP. CONTACTS:** None	**JOINT INSP. AGENCY:** None	
INSPECTOR(S): Amy Eschberger	**INSPECTOR'S SIGNATURE:** Amy Eschberger	**SIGNATURE DATE:** December 13, 2022	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS---------- Y	(FN) FINANCIAL WARRANTY-------- N	(RD) ROADS---------- Y
(HB) HYDROLOGIC BALANCE---------- N	(BG) BACKFILL & GRADING---------- N	(EX) EXPLOSIVES--------- N
(PW) PROCESSING WASTE/TAILING---- N	(SF) PROCESSING FACILITIES------- N	(TS) TOPSOIL---------- N
(MP) GENL MINE PLAN COMPLIANCE- Y	(FW) FISH & WILDLIFE---------- N	(RV) REVEGETATION---- N
(SM) SIGNS AND MARKERS---------- N	(SP) STORM WATER MGT PLAN---- N	(RS) RECL PLAN/COMP-- N
(ES) OVERBURDEN/DEV. WASTE--------- N	(SC) EROSION/SEDIMENTATION--- N	(ST) STIPULATIONS------- N
(AT) ACID OR TOXIC MATERIALS------- Y	(OD) OFF-SITE DAMAGE---------- N	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This was a normal monthly monitoring inspection of the Cresson Project (Permit No. M-1980-244) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). The operator was represented by Tony Matarrese and Brian Doering during the inspection. This is a 112d-3 Designated Mining Operation (DMO) permitted for 6,007 acres to mine and process gold ore. The site is located between the towns of Cripple Creek and Victor in Teller County. The approved post-mining land use is a combination of rangeland and wildlife habitat. **Photos 1-14** taken during the inspection are included with this report.

The following facilities/features were observed during this inspection:

- New Ironclad Access Road
- Valley Leach Facility 2 (VLF-2)
- VLF-2 Phase 3/Schist Island mine area
- Leak Detection Sumps (LDS) 12 and 13
- VLF water level readings [from VLF-2 Adsorption-Desorption Recovery Plant (ADR-2)]

New Ironclad Access Road:

The Division approved a realignment of the Ironclad access road from County Road 82 to the Ironclad Facilities in Technical Revision No. 128 (TR-128; approved on October 14, 2021). This realignment was necessary in order to maintain access to these facilities once the existing access road is removed during future mining phases of the Globe Hill pit. The existing access road is expected to be removed in 2023. The new access road will re-route access from County Road 82 east around the northern edge of the East Cresson Mine - Wildhorse Extension (WHEX) pit, to the existing WHEX pit haul road (see enclosed map showing new road alignment approved in TR-128). This new road will have a total length of approximately 7,000 feet and a width of approximately 26 feet. Approximately 25,600 cubic yards of structural fill will be required to create the desired road alignment, with approximately 24,500 cubic yards of the fill material derived from material cut during construction, and the remaining 1,100 cubic yards of fill material imported to the site by a third party contractor. The new access road will be surfaced with gravel and have 1.5 foot high safety berms constructed along both sides of the entire alignment. Four new culverts with associated riprap aprons will be installed to manage stormwater on the road. Drainage ditches will be constructed adjacent to the road to convey stormwater to sump BMPs or to filters such as erosion logs, silt fences, vegetative filters, and engineered stormwater management ponds (EMPs). Any lands adjacent to the road that are disturbed during the construction project will be graded, retopsoiled, and seeded in accordance with the approved reclamation plan.

In July of this year, the operator notified the Division they were considering a revision to the road alignment approved in TR-128. The revision would be to the eastern half of the road, mainly to straighten out a tight curve. At that time, the Division informed the operator the proposed revision to the road alignment was not significant enough to warrant a new Technical Revision submittal. However, the operator would need to submit an Addendum to TR-128 that includes a revised Drawing A05 – Site Plan showing the new road alignment, a description of the deviations and an explanation of why they were needed, and a description of how the revised alignment does not have any significant impacts to the stormwater management plan, geotechnical stability analysis, reclamation plan, or reclamation bond approved in TR-128. The operator later informed the Division they had decided to stick with the road alignment approved in TR-128. Therefore, an Addendum is no longer needed.

During the inspection, the Division observed the entire length of the new Ironclad access road alignment by vehicle (from west to east) and also from the mine overlook located off of County Road 82. The grading of the

new road alignment appeared to be complete. However, the road had not yet been surfaced with gravel, and the four culverts and associated riprap aprons had not yet been installed. The Division did observe two stormwater sump BMPs constructed south of the new road alignment, one near Station 16+00 and the other near Station 64+00. Safety berms were constructed along both sides of the road. The road alignment appeared to have been constructed in accordance with TR-128, including the fairly tight curve to the northeast immediately east of the mine overlook. The operator stated the new access road was constructed to meet the requirements of a commercial driveway, as specified by the Teller County Department of Transportation (TCDOT). The main reason why the operator decided to stick with the approved alignment is that straightening the curve would require a final grade that is steeper than 10%, which would not meet TCDOT requirements for a commercial driveway. Creating a final grade that is less than 10% would require a significant amount of additional fill to be imported to the site. Therefore, the operator decided to stick with the approved alignment which meets TCDOT requirements. The operator indicated the county would be inspecting the road later that week to approve the final grading. The Division observed the disturbed areas adjacent to the road which had already been graded and some portions retopsoiled. These areas will be seeded as soon as practical (most likely in spring 2023).

Valley Leach Facility 2 (VLF-2):

The Division observed the tops of the VLF-2 lifts (from both the overlook location and by vehicle) and did not observe any solution ponding that exceeded the 3 foot x 3 foot surface limit.

VLF-2 Phase 3/Schist Island mine area:

The Division observed the VLF-2 Phase 3 construction area from an overlook located at the northwestern edge of the SGOSA. The operator indicated they are in the process of placing Drain Cover Fill (DCF) on this facility. The operator mentioned during the inspection that the Record of Construction Report (ROC Report) for Phase 3 may not be submitted until February 2023. However, in a meeting held on December 5, 2022, the operator stated the required ROC Report would be submitted (in a Technical Revision) by the end of 2022. The operator should be reminded, no process solution may be placed on the VLF-2 Phase 3 facility until the Division has reviewed and approved the ROC Report for this facility.

Mining activities were occurring in the portion of the Schist Island pit located directly north/northeast of the lined VLF-2 Phase 3 area.

Leak Detection Sumps (LDSs) 12 and 13:

In its inspection report dated August 26, 2022, the Division cited two problems pertaining to the Leak Detection Sumps (LDSs) at the site. The first problem required the operator to provide a detailed plan for how LDS-12 and LDS-13 would be modified to prevent the infiltration of meteoric water and sediment into these sumps, and a schedule for completing the proposed modifications. This plan was required to also address how the sump inlet pipes will be inspected to ensure they are clear from any obstructions (e.g., mud, debris). The second problem required the operator to provide photographic evidence demonstrating that visual markers had been placed in accordance with TR-127 in the following eight LDSs (for VLF-1): LDS-1, LDS-2, LDS-4, LDS-5, LDS-6, LDS-7, LDS-12, and LDS-13. Additionally, photographic evidence was to be provided demonstrating that any buckets have been removed from the following LDSs (for VLF-1): LDS-3, LDS-5, LDS-10, and LDS-11. The first problem was considered abated after the operator submitted on September 21, 2022 a plan for modifying LDS-12 and LDS-13. The second problem was considered abated after the operator submitted on October 17, 2022 and October 31, 2022 evidence demonstrating that visual markers had been placed in all LDSs and that any buckets had been removed from LDS inlet pipes.

In order to prevent meteoric water and sediment from infiltrating LDS-12 and LDS-13 and from sediment completely burying these sumps after big storm events, the operator cleaned out the two sediment basins located upgradient from the sump area, made stormwater improvements around the sumps, and installed new tighter-fitting lids on the sumps. This work was completed in early October of this year. The operator had initially considered installing extensions on LDS-12 and LDS-13, but later decided not to install the extensions since they would need to be removed every time the crane was set up to perform maintenance work on the conveyor that overlies these sumps.

During the inspection, the Division observed the modifications made in the area of LDS-12 and LDS-13 were consistent with what was reported on October 17, 2022. Both of these sumps were dry during the inspection. Even with the modifications made, the location of these two sumps at the base of a steep slope and also underneath a conveyor that transports crushed material to the Load Out Bin requires these areas to be maintained and cleared out on a regular basis in order to prevent the sumps from being buried and thus unable to be inspected for the weekly monitoring program. Since the modifications were made in October, the operator has not observed any issues with LDS-12 or LDS-13 during their weekly sump monitoring. However, it may not be until the next monsoon season (July-August) before the stormwater improvements around these sumps are truly tested.

Per TR-127, the operator provides a LDS sampling report to the Division every year, by the end of the first quarter (by March 31st).

VLF water level readings [from VLF-2 Adsorption-Desorption Recovery Plant (ADR-2)]:

The Division observed water levels for the High Volume Solution Collection Systems (HVSCS) and Low Volume Solution Collection Systems (LVSCS) remotely from the ADR-2 office building. The water levels for each VLF were observed to be within normal operating levels (see enclosed Attachment A).

This concludes the report.

Any questions or comments regarding this inspection report should be forwarded to Amy Eschberger at the Colorado Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, via telephone at 303-866-3567, ext. 8129, or via email at amy.eschberger@state.co.us.

PHOTOGRAPHS

Photo 1. View looking east at new Ironclad access road at its western terminus off the existing access road/Co Rd 82.

Photo 2. View looking south at stormwater sump BMP (indicated) constructed south of new Ironclad access road, near Station 16+00.

Photo 3. View looking east at section of new Ironclad access road located directly south of Co Rd 82, showing northern disturbed slope (at left) which has been graded, retopsoiled, and prepared for seeding.

Photo 4. View looking northeast at section of new Ironclad access road with tight curve to the northeast. Operator was considering straightening out this section, but decided to stick with the approved alignment.

Photo 5. View looking south/southwest at section of new Ironclad access road located south of tight curve, showing disturbed western slope (at right) which has been graded and will be retopsoiled and seeded as soon as practical.

Photo 6. View looking west from mine overlook off of Co Rd 82, showing western portion of new Ironclad access road alignment (delineated with yellow dashed line).

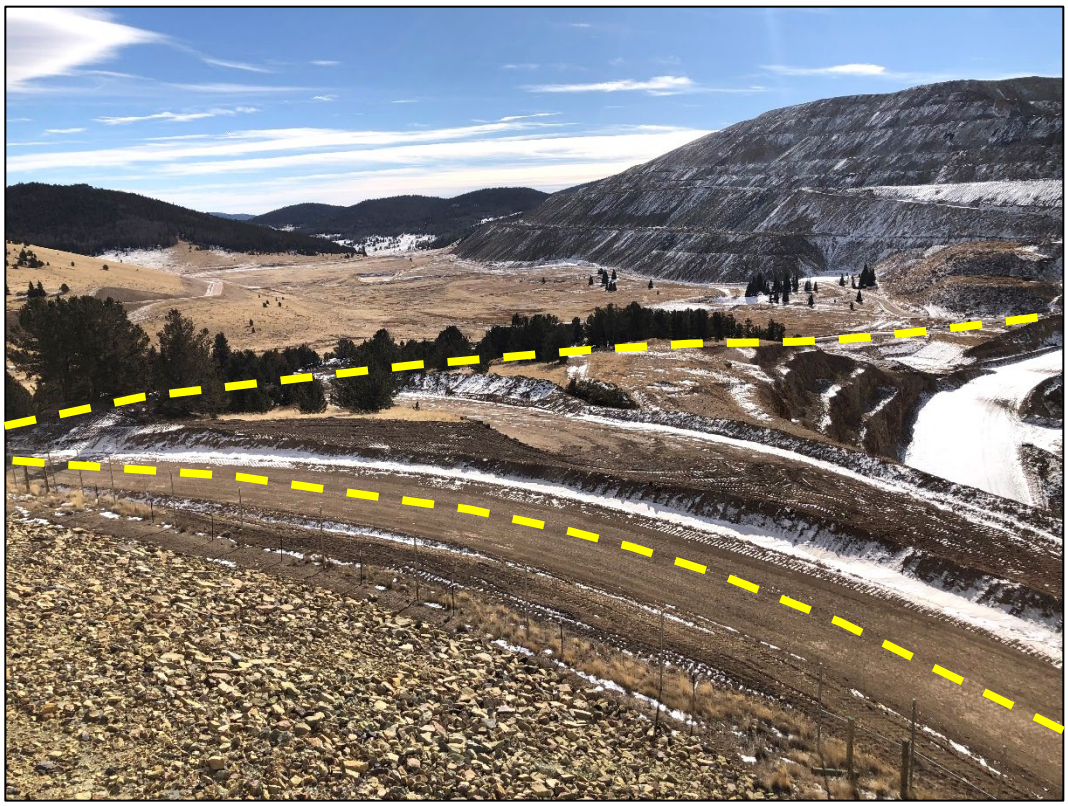


Photo 7. View looking east from mine overlook off of Co Rd 82, showing eastern portion of new Ironclad access road alignment (delineated with yellow dashed line).

Photo 8. View looking southwest across top of VLF-2 (indicated) from overlook at northwestern edge of SGOSA.

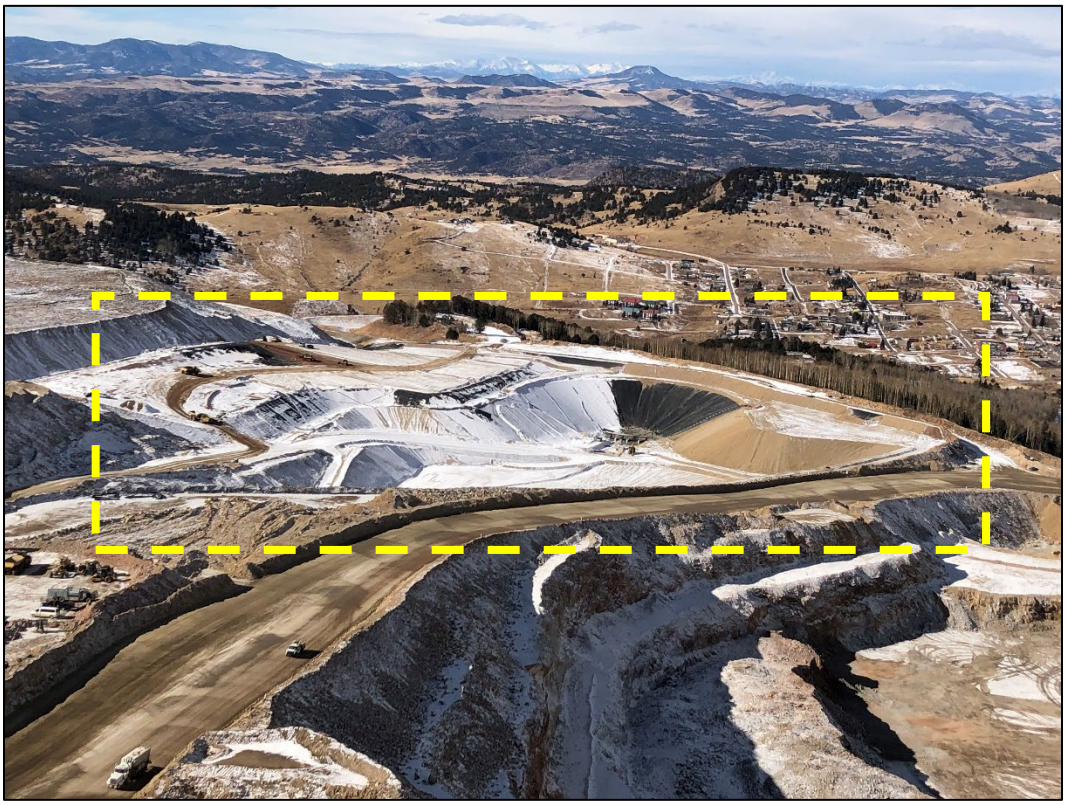


Photo 9. View looking west across VLF-2 Phase 3 (indicated) from overlook at northwestern edge of SGOSA. Operator plans to submit ROC report for Phase 3 by the end of this year.

Photo 10. View looking northwest across Schist Island mining area located north/northeast of VLF-2 Phase 3.

Photo 11. View looking northeast at LDS-12 and LDS-13 (for VLF-1; indicated) located in crusher area. In October of this year, operator excavated material from around these sumps, cleaned out upgradient sediment basins, and installed new tighter fitting lids on the sumps.

Photo 12. Closer view of LDS-12 and LDS-13 (for VLF-1), showing new tighter fitting lids installed to help prevent infiltration of meteoric water and sediment into these sumps.

Photo 13. View inside LDS-12 (for VLF-1), showing sump dry during inspection. This sump had approximately one foot of water in it during Division's July 26, 2022 inspection.

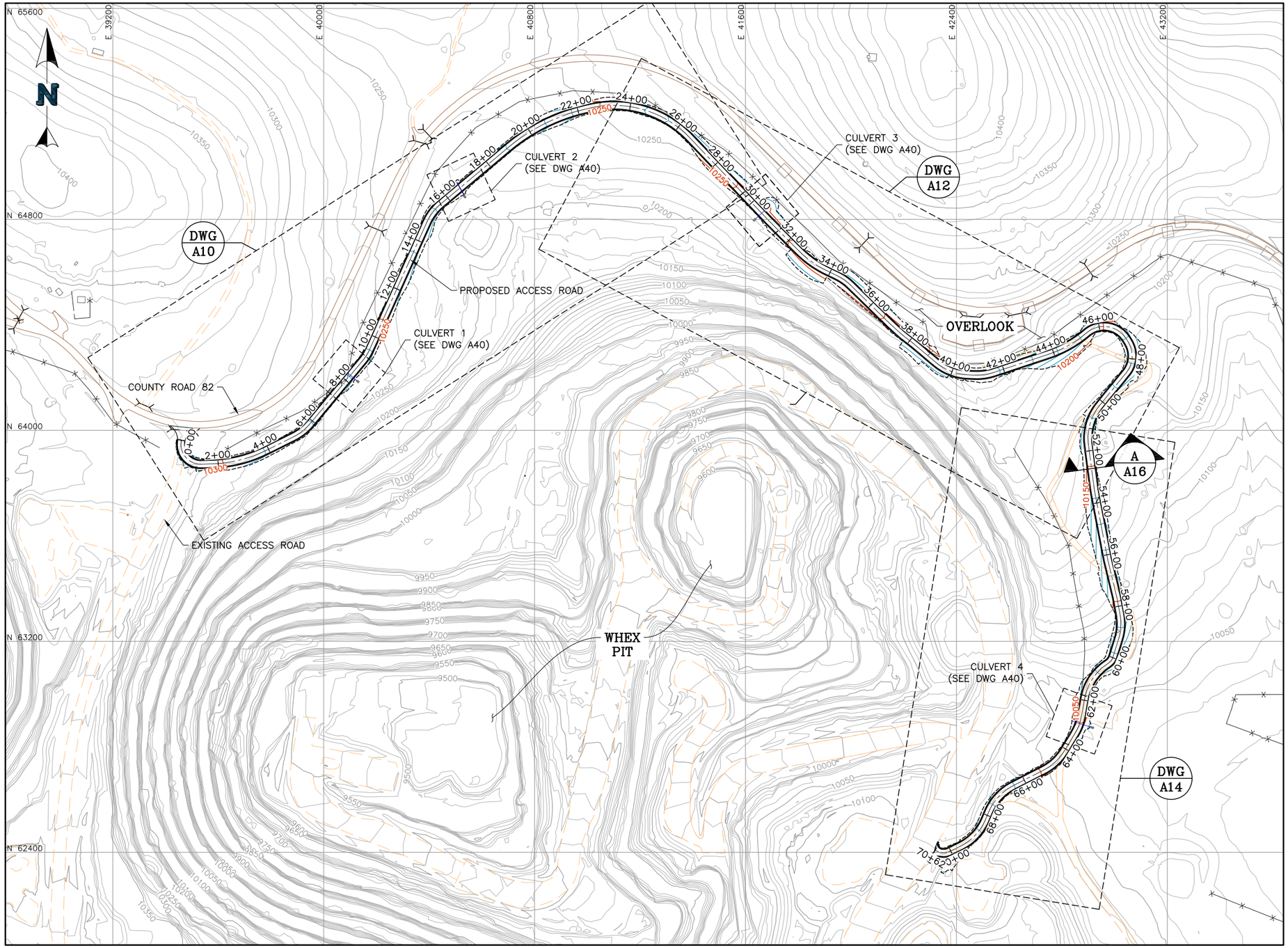
Photo 14. View inside LDS-13 (for VLF-1), showing sump dry during inspection. This sump had more than a foot of muddy water in it during Division's July 26, 2022 inspection.

Inspection Contact Address

Johnna Gonzalez
Cripple Creek & Victor Gold Mining Company
P. O. Box 191
Victor, CO 80860

Encl: Map showing new Ironclad access road alignment approved in TR-128
Attachment A – VLF Water Level Inspection Readings

CC: Katie Blake, CC&V
Lori Smith, CC&V
Michael Cunningham, DRMS



LEGEND:

- EXISTING GROUND CONTOURS
- PROPOSED GROUND CONTOURS
- EXISTING ROADS
- EXISTING FENCE
- EXISTING CULVERT
- PROPOSED CULVERT

NOTES:

1. PROPOSED CONTOURS REPRESENT FINISHED GRADE..
2. PROPOSED SIGNAGE BY OTHERS.

COLORADO REGISTERED
J. N. JANNEY-MOORE
37574
PROFESSIONAL ENGINEER
4-29-2021

Reference:

NEWMONT PROVIDED THE 2020 FLYOVER DATA TO NEWFIELDS ON JAN. 13, 2021 IN THE FOLLOWING FILES: "ORD-20494-Z8B2L0_Cripple Creek-Topo_Plan-sheet-1_finals.DWG" and "ORD-20494-Z8B2L0_Cripple Creek-Topo_Plan-sheet-2_finals.DWG"

REV	DATE	DESCRIPTION	TECH	ENG
0	4/29/2021	ISSUED FOR CONSTRUCTION	JDS	JMM

APPROVED BY: JNM
CHECKED BY: JNM
DESIGNED BY: JDS
DRAWN BY: JDS

DISCLAIMER

NEWFIELDS PRODUCED THE INFORMATION PRESENTED ON THIS DRAWING THROUGH THE USE OF AVAILABLE TECHNICAL INFORMATION AND EXPERIENCE. RECEIVING THIS DRAWING DOES NOT GUARANTEE ANY RIGHTS TO EITHER SUCH TECHNICAL INFORMATION OR EXPERIENCE. ANY MODIFICATION OR ADAPTATION OF THE DATA OR DRAWING SHALL BE AT USER'S RISK AND WITHOUT ANY LIABILITY OR LEGAL RESPONSIBILITY TO NEWFIELDS.

NewFields

CLIENT: CRIPPLE CREEK & VICTOR GOLD MINING COMPANY

PROJECT: CC&V ACCESS ROAD RE-ALIGNMENT

TITLE: SITE PLAN

FILENAME: 106.052.001M

DRAWING NO.: A05

REVISION: 0

P:\Projects\0106.052 Access Road\A-CAD\DWGS\106.052.001M.dwg-4/30/2021 1:13 PM

ATTACHMENT A

CC&V VLF Water Level Inspection Readings

			Previous Results					
Date:			3/30/22	4/19/22	5/26/22	7/26/22	11/28/22	Notes
VLF1:		EPS:	JPL	TC1	ERR	AME	AMG	
Phase I HVSC & Pond Piezometers		TIME:	9:45	12:37	12:12	12:18	11:46	
Note: 80% cap @ 63.75 ft	Max. of Pump #299, #300, #301, 302, or #303	(ft)	56.7	45.5	44.1	52.3	49.6	
	Pond Lvl / XDCR #1	(ft)	57.2	52.1	43.6	52.1	49.0	
	System Press / XDCR #2	(ft)	n/a	n/a	n/a	n/a	n/a	
Phase I Low Volume Solution Collection		TIME:	9:45	12:37	12:12	12:18		
Note: Req'd < 2 ft	Piezo #1 (HAND)	(ft)	0.64	0.54	0.51	None	1.98	
	Piezo #2 (AUTO)	(ft)	0.79	0.72	0.79	None	0.55	
Phase II & III HVSC & Pond Piezometer		TIME:	9:45	12:37	12:12	12:18		
Note: 80% @ 49.4 ft	Max. of XDCR #4, #5, or #6	(ft)	28.6	34.3	22.5	25.9	35.0	
	Piezo (Pipe)	(ft)	31	34.2	30.9	32.9	39.4	
Phase II & III Low Volume Solution Collection		TIME:	9:45	12:37	12:12	12:18		
Note: Req'd < 2 ft	Pump / XDCR #1 (AUTO)	(ft)	3.67	3.64	3.65	None	0.36	11
	Pump / XDCR #2 (AUTO)	(ft)	3.71	3.69	3.70	None	0.44	11
Phase IV High Volume Solution Collection		TIME:	9:45	12:37	12:12	12:18		
Note: 80% cap @ 56.5 ft	Max. of Pump #307, #308, or #309	(ft)	38.1	33.0	32.5	36.8	19.87	
	XDCR pipe (#310 Resv'd)	(ft)	38.4	37.7	37.7	38	35.25	
Phase IV Low Volume Solution Collection		TIME:	9:45	12:37	12:12	12:18		
Note: Req'd < 24"	Pump / XDCR #1	(in)	13.1	10.8	14.4	15.3	16.12	
	Pump / XDCR #2	(in)	11.4	11.1	10.9	10.9	13.45	
Phase V High Volume Solution Collection		TIME:	9:45	12:37	12:12	12:18		
Note: 80% cap @ 36.5 ft	Max. of XDCR #311, #312, #313, or #314 (Circle XDCR #)	(ft)	28.8	29.5	22.6	27.1	23.9	
Phase V Low Volume Solution Collection		TIME:	9:45		12:12			
Note: Req'd < 24"	XDCR #001	(in)	11.8	12.0	11	12.9	5.86	11
	XDCR #002	(in)	n/a	n/a	n/a	n/a		No pump
External Pond Low Volume Solution Collection		TIME:	9:45	12:37	12:12	12:18		
LIT-5005 Note: Req'd < 24"	Pump / XDCR #1-EXT (AUTO)	(in)	15.2	?	17.08	None	8.37	
LIT-5006	Pump / XDCR #2-EXT (AUTO)	(in)	17.1	?	17.84	None	17.75	
Underdrain Discharge Area		TIME:				10:30		
Note: 1 ℓ/sec = 15.85 gpm	South Underdrain (S U/D)	(gpm)	--	--	--	No flow		
	4" Pipe Discharge AG 01 Spring Pipe	(gpm)	--	--	--	--		
	NPDES Discharge AG 1.5 -001A	(gpm)	--	--	--	--		
	North Underdrain (N U/D)	(gpm)	--	--	--	No flow		
	24-inch Solid Pipe	(gpm)	--	--	--	--		
Arequa Gulch Monitor Well Pumpback System		TIME:				10:40		
Data first collected by DRMS 3/8/12	3B-63	(ft)	--	--	--	23.7	6.14	
	3C-124	(ft)	--	--	--	34.3		
	3B-63	(gpm)	--	--	--	--		
	3C-124	(gpm)	--	--	--	--		
VLF2 High Vol. SC:		TIME:	9:45	12:37	12:12	12:18		
Note: 80% cap @ 94 ft	LIT #88301 (north end)	(ft)	58.6	41.8	19.3	56.8	28.1	
	LIT #88303	(ft)	57.7	40.8	19.7	56.0	28.3	
	LIT #88305	(ft)	58.9	42.4	19.3	56.7	28.2	
	LIT #88307 (south end)	(ft)	59.1	42.6	19.6	57.1	28.4	
	Piezometer-LIT #88314	(ft)	71	56.0	39.2	67	46.1	
VLF2 Low Vol. SC:		TIME:	9:45	12:37	12:12	12:18		
Note: Req'd < 24"	Leachate Pump 1	(in)	11.2	13.1	11.4	9.5	14.1	
	Leachate Pump 2	(in)	9.5	11.3	9.7	7.7	13.0	

346-2171100 (below bridge just installed)