APPENDIX D

FACILITY CHARACTERISTICS FORMS

List of Tables

NOTES:

1. Borrow area reclamation costs can be found in the 20230728_Continental_Stockpile_Tailing_Earthwork_RCE spreadsheet presented in Appendix H.
2. The costs in these tables only include capital earthwork costs and no indirect costs. Building demolition, well closure, water management, and operations and maintenance costs can be found in Appendix H.

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

Continental Pit

Function	Open Pit
Construction Method	Blasting, loading, and hauling rock in 20-foot benches.
Physical Characteristics	Intrusive and skarn rocks with low primary permeability and medium fracture permeability; Barringer fault trends northeast through the Pit.
Existing Engineering Measures	Visual monitoring, seepage control.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area—Berm and Fence Area Surrounding Pit at Closure (acres)	16.6
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$0
Regrade	$0
Seed & Mulch Berm and Fence Area	$0
Other	$335,025
Capital Cost Totals	**$335,025**
Capital Cost/Acre	**$20,134**

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

Low Grade WRF

Function	Inactive; Storage for low grade waste rock
Construction Method	End dumped.
Physical Characteristics	Coarse grained. High saturated hydraulic conductivity.
Existing Engineering Measures	Stormwater management.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area (acres)	19.8
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$218,311
Regrade	$45,923
Seed & Mulch	$22,984
Other	$318,315
Capital Cost Totals	**$605,532**
Capital Cost/Acre	**$30,516**

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

Main Tailings Impoundment and Reclaim Pond

Function	Tailings deposition; Inactive since 1999
Notes	Located in Poison Spring; Poison Spring will be diverted into Grape Gulch Drainage at Closure. Both Poison Spring Drainage and Grape Gulch Drainage are tributaries of Hanover Creek.
Construction Method	Upstream tailings, mine waste rock outer dams.
Physical Characteristics	Fine to coarse grained. Low to medium saturated hydraulic conductivity.
Existing Engineering Measures	Decant sump, seepage collection at toe, filter dike, and reclaim pond and pipelines. Embankment buttresses; 6-inch thick cover on top surface.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area (acres)	172.7
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$1,246,153
Regrade	$200,567
Seed & Mulch	$200,002
Other[1]	$266,078
Capital Cost Totals	**$1,912,801**
Capital Cost/Acre	**$11,078**

[1] Other includes channels, down drains

Note: The Main Tailings Impoundment is unchanged by end of year (EOY) 2023. Reclamation costs for the Reclaim Pond are included with the Main Tailings Impoundment. Cost also includes reclaiming south buttress area and burying tailing pipelines in place.

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

Magnetite Tailings Impoundment

Function	Tailings deposition; Inactive since 1980
Construction Method	Upstream tailings construction.
Physical Characteristics	Fine grained. Low to medium saturated hydraulic conductivity.
Existing Engineering Measures	Ongoing tailing removal operation. Soil binding agent added to reduce fugitive dust. HDPE lined seepage collection pond at toe.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area (acres)	19.49
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$214,421
Regrade	$7,240
Seed & Mulch	$22,574
Other[1]	$101,318
Capital Cost Totals	**$345,554**
Capital Cost/Acre	**$17,730**

[1]Other includes channels and downdrains

[2]Although there is the ongoing sale and shipping of magnetite material, the previous Magnetite Tailings Impoundment reclamation plan, based on 2004 topography, is still valid. Therefore, the updated Magnetite Tailings Impoundment reclamation cost was based on 2004 topography.

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

SWRDF

Function	Planned Waste Rock Stockpile Expansion By EOY 2026 the five WRFs (South, East, West, Buckhorn, Union Hill and additional areas in between) are combined into the South Waste Rock Disposal Facility (SWRDF). By EOY 2026 approximately half the proposed SWRDF material will be placed.
Construction Method	End dumped in 40 to 50 foot lifts; top surface will be bermed.
Physical Characteristics	Fine to coarse grained. Variable saturated hydraulic conductivity.
Engineering Measures	Will be managed similar to existing waste rock facilities consisting of seepage collection sumps, and stormwater management.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area (acres)[1]	282
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$3,094,353
Regrade	$1,929,984
Seed & Mulch	$325,777
Other[2]	$1,892,660
Capital Cost Totals	**$7,242,774**
Capital Cost/Acre	**$25,751**

[1]Includes disturbed area adjacent and north of the SWRDF
[2]Other includes channels and downdrains

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

EWRF

Function	Historical carbonate stockpile, approved for 1' of site cover
Construction Method	End dumped in 40 to 200 foot lifts
Physical Characteristics	Fine to coarse grained. Variable saturated hydraulic conductivity.
Engineering Measures	Managed similar to existing waste rock facilities consisting of seepage collection sumps, and stormwater management.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area (acres)	76.3
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$494,005
Regrade	$1,031,951
Seed & Mulch	$88,314
Other[2]	$946,330
Capital Cost Totals	**$2,560,600**
Capital Cost/Acre	**$33,583**

[2]Other includes channels and downdrains

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

Hanover Mountain Pit

Function	Planned Mine Area
Construction Method	Blasting, loading, and hauling rock (50 foot benches).
Physical Characteristics	NA
Engineering Measures	Maintenance and stormwater management.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area (acres)[1]	98.3
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$952,630
Regrade	$10,266
Seed & Mulch	$100,294
Other	$2,232
Capital Cost Totals	**$1,065,422**
Capital Cost/Acre	**$10,834**

[1]Includes berm and fence disturbed area.

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

Surface Impoundments

Function	Stormwater / Seepage Collection
Construction Method	Membrane-lined; soil; concrete; unlined.
Physical Characteristics	Varies.
Existing Engineering Measures	Maintenance and Monitoring.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area (acres)[1]	5.4
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$47,893
Regrade	$719
Seed & Mulch	$6,255
Other	$0
Capital Cost Totals	**$54,868**
Capital Cost/Acre	**$10,161**

[1]Reclaim Pond included with Main Tailing Impoundment

Facility Characteristics Form

Miscellaneous

Function	Unknown
Notes	Includes reclamation of haul and exploration roads, and reclamation of land disturbances not currently foreseen during the next 5 years
Construction Method	Cut and fill for roads; scarifying, discing, drill seeding all areas
Physical Characteristics	12 to 120 feet wide driving surface with roadside berms for roads; as needed in disturbed areas not requiring cover placement
Existing Engineering Measures	Ongoing maintenance and stormwater management.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area (acres)	126.1
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$696,922
Regrade	$14,656
Seed & Mulch	$143,178
Other	$89,619
Capital Cost Totals	**$944,376**
Capital Cost/Acre	**$7,551**

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

Cobre Haul Road[1]

Function	Planned Site Traffic
Notes	Haul road from Continental Mine to Chino.
Construction Method	Cut & fill.
Physical Characteristics	120 feet wide driving surface with roadside berms.
Engineering Measures	Maintenance and stormwater management.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
EOY 2026 Reclaimed Area (acres)	100
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$683,011
Regrade	$32,105
Seed & Mulch	$115,829
Other[1]	$0
Capital Cost Totals	**$830,945**
Capital Cost/Acre	**$8,309**

[1]Cobre Haul Road Closeout Plan was submitted previously. Costs are updated for 2019.

2023 Continental Mine Closure/Closeout Plan (CCP)

Facility Characteristics Form

North Overburden Stockpile

Function	Various stockpiles containing cover material
Construction Method	End dumped.
Physical Characteristics	Coarse grained. High saturated hydraulic conductivity.
Existing Engineering Measures	Stormwater management.

Matrix of Costs
Capital Cost/Facility

	EOY 2026
Reclaimed Area (acres)	2.63
Item	**Capital Cost**
Cover Material (Load, haul, spread)	$28,932
Regrade	$94
Seed & Mulch	$3,046
Other	$0
Capital Cost Totals	**$32,071**
Capital Cost/Acre	**$12,196**