LEFT HAND CREEK AREA

LEFT HAND CANYON DR.

PUMP STATION
AFFECTED AREA:
0.256 ACRES

EDGE OF LEFT HAND CREEK

POINT OF BEGINNING

LHC
DIVERSION POINT

FOOT PATH
ACCESS

TYPICAL WATERLINE
FROM CREEK

PUMPING FACILITIES

GOLD HILL MILL
WATER PIPELINE

500-YR FLOODPLAIN

PUMP HOUSE
& FUEL TANK

40 0 80 Feet

LEFT HAND CREEK AREA

88901

WATER PIPELINE

PIPELINE
ACCESS

148698

MILL AREA

31663-M

HOOSIER REEF

TOWN OF GOLD HILL

WHO DO MINE

CASH MINE

0 300 600 Feet

MILL AREA

8400'

8425'

8450'

8375'

8350'

8325'

8300'

8275'

8250'

SUNSHINE CANYON RD.

WATER PIPLEINE
AFFECTED AREA:
0.704 ACRES

TOTAL PERMIT
& AFFECTED AREA:
9.20 ACRES

MILL
AFFECTED AREA:
8.24 ACRES

MILL ACCESS

TOPSOIL STORAGE AREA
(8000 CY)

EDGE OF SURFACE
DISTURBANCE

TAILINGS
STORAGE
FACILITY

TP/P

TIMES/WYNONA
MINE TUNNEL
(GATED)

TIMES DRILLHOLE

TIMES/WYNONA
MINE BULKHEAD

8365.00
Wynona Shaft

8365.00
Times Drillhole

WYNONA SHAFT

MILL BUILDING

WATER LINE

STOCKPILE
YARD

EDGE OF SURFACE
DISTURBANCE

ORE PAD
SEE MAP E-2A

HOOSIER REEF

ORE STOCKPILES
(5000 CY)

W1

W2

W3

W4

CAPPED WELL

MW1

0 100 200 Feet

## LEGEND

**BUILDINGS AND RELATED STRUCTURES**
- Building
- Fence

**LAND SURVEYS**
- Public Land Survey System
- Range or Township line
- Range or Township labels (R1E T2N)
- Section line
- Section numbers (1-36)
- Mining claim or property boundary
- Owner Label Number
- Unpatented Claims

**ROADS AND RELATED FEATURES**
- Highway
- Light duty road, paved
- Light duty road, gravel
- Unimproved road
- Trail
- Road block, berm, or barrier
- Gate on road
- Cattle crossing guard
- Railroad

**RIVERS, LAKES, SHORELINES, AND CANALS**
- Perennial stream/ditch
- Perennial river
- Intermittent stream/ditch
- Intermittent river
- Dam
- Perennial lake/pond
- Intermittent lake/pond
- Dry lake/pond
- Drainage Direction
- Buried aqueduct, flume, or conduit
- Waterwell (Well Name)
- Spring or seep
- Drainage Basin
- Flood Plain (100 & 500)

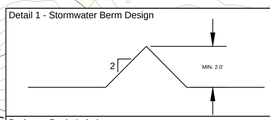
**VEGETATION & SOILS**
- Woodland
- Rangeland
- Hoosier Reef

**TRANSMISSION LINES AND PIPELINES**
- Power transmission line; pole; tower
- Power transmission line, buried
- Telephone/data line, above ground
- Telephone/data line, buried
- Pipeline (non-water), above ground
- Pipeline (non-water), buried

**MINING FEATURES**
- DRMS Permit Boundary
- Fixed Structures
- Mobile Structures
- Edge of Surface Disturbance
- Berm/windrow

**BASELINE CONTOURS**
- Index — Approximate of indefinite
- Intermediate — Approximate of indefinite
- Supplementary

Detail 1 - Stormwater Berm Design




Drainage Basin Labels

Basin 1 (46.2 | 78.8) — Area; Composite Curve Number

1 — Basin Destination

### Drainage Basin 1

| Site Condition | Area (acres) | Curve Number | Peak Discharge (cfs) | Channel Capacity (cfs) |
|---|---|---|---|---|
| Mine | 1.5 | 48 | 0.6 | 1.5 |
| Rec. | 1.5 | 48 | 0.6 | Reclaimed[1] |

[1]Diversion ditch removed in reclamation to allow pre-mine drainage patterns to return.

### Drainage Basin 2

| Site Condition | Area (acres) | Curve Number | 100-YR 24-HR Runoff (ac-ft) | Sump Capacity (ac-ft)[2] |
|---|---|---|---|---|
| Mine | 2.9 | 89 | 0.9 | 5.8 |
| Rec. | 2.9 | 85 | 0.8 | Reclaimed |

[2]Volume behind stormwater berm.

### Drainage Basin 3

| Site Condition | Area (acres) | Curve Number | 100-YR 24-HR Runoff (ac-ft) | Sump Capacity (ac-ft)[3] |
|---|---|---|---|---|
| Mine | 1.4 | 90 | 0.42 | 0.7 |
| Rec. | 1.4 | 85 | 0.37 | Reclaimed |

[3]Volume provided by minimum freeboard in tailings facility.

Hydrologic calculations can be found in Exhibit C, Appendix C-1.

Water Sampling Points

| ID | Matrix | Freq. |
|---|---|---|
| LHC | SW | Quarterly |
| TP/P | SW | Quarterly |
| MW1 | GW | Quarterly |
| W1 | GW | Quarterly |
| W2 | GW | Quarterly |
| W3 | GW | Quarterly |
| W4 | GW | Quarterly |

# E-2 Mill Extents

## Gold Hill Mill

**DRMS Permit Number: M-1994-117** — **Colorado Milling Company, LLC**

| | | |
|---|---|---|
| **Mine Entry Location:** | Latitude: 40.06548 | Longitude: 105.48670 |
| **State:** COLORADO | County: Boulder | Nearest Town: Gold Hill |
| **Section:** 12 | Township: 1N | Range: 72W PM: 6th |
| **Major Watershed:** | Boulder Creek | |
| **Map Scale as Shown** | | |

**Map Georeferencing Information:** **Datum:** NAD83 **Projection:** CO NORTH

**Survey Source:** CO Geo Cache
**Imagery Source:** Google
**Survey Date:** 2019
**Imagery Date:** 2019

**Drawn by:** BEL — Date: 05/03/22
**Checked by:** ---- — Date: ----
**Approved by:** ---- — Date: ----

COLORADO LICENSED — BRIAN E. LEWICKI — 47151 — PROFESSIONAL ENGINEER — 08/14/23

**File Name: Gold Hill Mill 230817**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