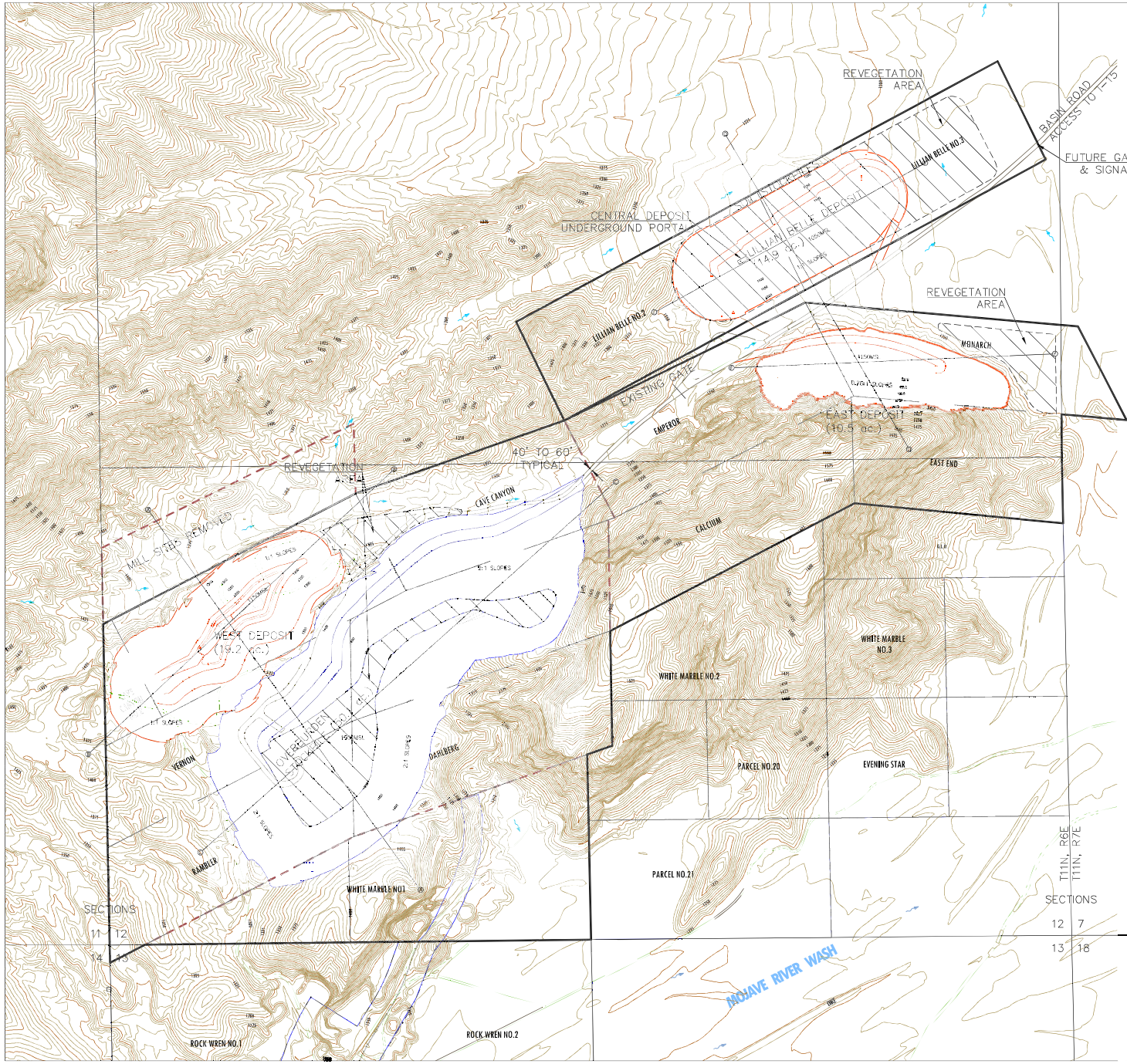

CALPORTLAND COMPANY
BAXTER QUARRY
MINE NOTES

Mine: Baxter Quarry (90M-02)

CA MINE ID #: 91-36-0023

Mineral: Iron Ore

Mine Operator: CalPortland Company
2025 E. Financial Way
Glendora, CA 91714
(626) 691-1966
dhaggard@calportland.com

Land Owner: CalPortland Company
2025 E. Financial Way
Glendora, CA 91714
(626) 691-1966

Applicant: Same as Operator

Owner of Mineral Rights: Same as Owner

Representative: Desirea Haggard
CalPortland Company
2025 E. Financial Way
Glendora, CA 91714
(626) 691-1966
dhaggard@calportland.com

Civil Engineer: Same as Operator

Map Preparer: CalPortland Company & Lilburn Corporation

Geologists: CalPortland - Ed Harrison
John S. McKeown, E.G. Senior Geologist
Terracon Consultants
1355 E. Cooley Drive
Colton, CA 92324
(909) 824-7311

Date of Map: August 2021

Utilities:
Water: Off-site water purveyor and/or private well
Sewage disposal: Portable toilets
Electric: Not proposed
Gas: Not proposed
Telephone: Mobile phones

Land Use Category / Zoning (Countywide Policy Plan November 2020)
Project Site:
Land Use Categories (LUC) - Resource/Land Management (RLM)
Zoning - Resource Conservation (RC)

Surrounding Uses (LUC / Zoning)
RLM / RC

Legal Description:
APNs: 542-201-02 to 10; 14, 15, 16, 18, 35 & 36
Reclamation Plan Boundary Area: 262.7 acres
Area to be Impacted and Reclaimed: 117.9 acres

Portions of Sections 12; Township 11 North, Range 6 East and small portion of Section 7, T11N, R7E, SBBM, County of San Bernardino, State of California.

Signage/Public Safety:
There is a simple identification sign along Basin Road. Access on Basin Road is restricted to employees and authorized personnel. The entrance is gated with appropriate warning signs that notify the public that the mining area has restricted access and that the roads are not open to the public. During non-operating hours, gates are closed and locked. Other potential access roads are blocked or closed at the project boundary and have signs informing the public that the roads are closed to public access.

Quarry areas have warning signs, roads not used will be blocked or closed, and safety berms six feet high and 12 feet wide will be constructed along the quarry rims where there is potential access.

Reclamation/Revegetation Plan

At the completion of mining activities, all equipment, structures, and debris will be removed from the project site and disposed at a permitted facility. All quarry fencing and gates will remain in place to prevent unauthorized access onto CalPortland's private property and to restrict the public from reclaimed mine features. Any remaining overburden or ore stockpiles will be deposited into the quarry benches or floor or transported to the overburden stockpile. Compacted surfaces in the staging areas and roads to be reclaimed will be loosened by mechanical means and seeded with native plant species.

The overall mine areas will cover approximately 118 acres which will be reclaimed except for the access roads and internal quarry and overburden stockpile roads needed for revegetation access and site maintenance. Revegetation will take place thereafter on the upper benches of the Lillian Belle Deposit. The finished slopes will be 1H:1V and benches will be solid rock; portions as feasible will be ripped, covered with soil and alluvium, and revegetated. All the stockpile slopes will be reclaimed with 2H:1V slopes. The staging areas will be revegetated upon removal of all equipment and recontouring the surface. Approximately ••••••••••••• will be revegetated (Lillian Belle, pit floors, overburden stockpile top, roads, and staging areas) minus the remaining roads and the slopes composed of hard rock faces.

After revegetation, CalPortland will maintain erosion control and safety features; monitor revegetation progress; and conduct remediation as necessary until success criteria achieved. Ongoing maintenance of fencing, signs, and erosion control will be conducted.

Roads not needed for site and quarry access will have any road base material removed, surface ripped and covered with available soil or alluvium, and revegetated. Other onsite roads needed for quarry access will be reclaimed after reclamation of quarries and stockpiles to allow access to all reclamation areas.

Revegetation activities will generally commence in late fall to early winter to correspond with the rainy season of the area. Seeding will be undertaken by imprinting or broadcast seeding with the recommended seed mix below. Note that there are no protected CESA listed candidate species western Joshua trees (*Yucca brevifolia*) onsite.

Revegetation is summarized below:

- Rip or scarify compacted areas including closed roads to a 0.5 to 1-foot depth (if possible due to rock benches in quarries), with surface rills and furrows left to aid in water and wind-blown seed collection;
- Place soils that have been stockpiled in a uniform layer across the benches of Lillian Belle and for each deposit's floor and staging areas, top of OB stockpile, and roads to be reclaimed, partially mixed with underlying scarified material;
- Shape or contour final slopes and benches on the overburden stockpile for drainage and for natural appearing slopes and landforms;
- Seed with locally native species and revegetate per methods described below and as listed below and in the approved Reclamation Plan;
- Stake or flag reclaimed areas to eliminate additional disturbance;
- Monitoring and maintenance; and
- Application of remedial activities, if necessary, including but not limited to additional seeding and change of seed mix.

Proposed Native Plant Species Revegetation

Species		Pounds Per Acre
Scientific Name	Common Name	
Ambrosia salsola var. *tenuifolia*	Cottonthorn	0.25
Chaetopappa bigelovii	Bristle aster flower	0.35
Chaetopappa ericoides	Rigid aster bush	0.25
Encelia farinosa	Brittlebush, incienso	0.5
Hilaria rigida	Big galleta	1.0
Stephanomeria pauciflora	Wire lettuce	0.35
Ambrosia dumosa	Burro weed	2.5
Ambrosia salsola	Thornthorn	2.5
Encelia farinosa	Brittlebush	2.0
Larrea tridentata	Creosote bush	1.0
Xerogalea gossypii	Cotchin, desert cotton	1.0
Cylindropuntia echinocarpa	Silver cholla	1.0
Cylindropuntia ramosissima	Branched pencil cholla	0.5
Echinocactus polycephalus var. *polycephalus*	Cottontop	0.5
	TOTAL pounds per acre	35.5

Source: Jericho, Lilburn 2021

Revegetation Performance Standards or Success Criteria[1] (40% of Baseline Cover, 40% of Baseline Species Density & Diversity)

	Shrub/Grasses Percent Cover	Shrub/Grasses Species Density	Species Diversity
Composition*	9.4	6.3	27
Success Criteria	4.25%	2.5	1

*Native perennial shrubs/grasses from the 2020 baseline surveys of 30 km - 100 m² each
Sources: Jericho February 2020; Lilburn 2021

PROFESSIONAL CERTIFICATIONS

Slope Stability Investigation (Terracon Consultants) (Appendix C)

We have completed the Slope Stability Investigation services for the above referenced project. This study was performed in general accordance with Terracon Proposal No. PCB215002 dated January 26, 2021 This report presents the findings of the data review, geologic mapping, field testing, and structural evaluation, and provides recommendations concerning suitable slope angles and heights for reclamation consistent with Surface Mining and Reclamation Act (SMARA) requirements.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.

Sincerely,
Terracon Consultants, Inc.

John S. McKeown, C.E.G. 2396
Senior Geologist

Jay J. Martin, C.E.G.1529
Principal Geologist

Subject Matter Expert: Brian J. Williams, P.E., P.G.

Record of Survey – CASC Engineering and Consulting (Appendix D)

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF CALIFORNIA PORTLAND CEMENT COMPANY 2021.

DATE: _____

RICHARD S. FORLING, P.L.S. 8422

Digitally signed by David Hattaway
Reason: I am approving this document
Date: 2021.11.24 11:19:55-07'00'

LILBURN CORPORATION
1905 Business Center Drive, San Bernardino, CA 92408
(909) 884-2310 • Fax (909) 884-2311

PROJECT SITE

Scale: 1 inch = 400 feet
Map Prepared By: Lilburn Corporation (TAG)
Topography: Cooper Aerial, Feb. 2015
Projection: CA SPCS, Zone 5, NAD83 US Feet
Aerial: 2020-04-23

LEGEND

- Revised Reclamation Plan Boundary (262.7 ac.)
- Proposed Quarry Limits
- Approved Reclamation Plan Boundary (130.0 ac.)
- Proposed Overburden Stockpile Limits
- Proposed Mining Contours
- Roads to Remain
- Existing Topography
- Parcel Lines

RECLAMATION PLAN

Baxter Quarry - Amended Reclamation Plan

RECLAMATION PLAN No. 90M-02

CA Mine ID # 91-36-0023

SAN BERNARDINO COUNTY, CALIFORNIA

CALPORTLAND
2025 E. FINANCIAL WAY
GLENDORA, CA 91741

SHEET INDEX

	Title
1	Cover
2	Mine Plan
3	Reclamation Plan
4	Cross Sections and Details

Scale: 1"=400'
Date: 08/2021
DGN: BaxterQuarryMine Plan 2021.0...

Sheet 3 of 4