MINE PLAN

RECLAMATION PLAN 84M-009

CalPortland - Oro Grande Quarries CA Mine ID #91-36-0023

ORO GRANDE, SAN BERNARDINO COUNTY, CALIFORNIA

CALPORTLAND

Sheet 2 of 4

Sheet Number / Title

SHEET INDEX

1 ——— Title Sheet
2 ——— Existing and Planned Operations Summary Mine Plan
3 ——— Cross Sections and Details
4 ——— Cross Sections and Details
5 ——— Cross Sections and Details

Scale: 1"=400'

Date: 12/2020 (TAG)

DGN: SHT2 CPCC-Oro Grande Mine Plan

LEGEND

- Property Boundary
- Amended Reclamation Plan Area 2171 Acres (2019)
- Approved Reclamation Plan 940 Acres
- Planned Quarries
- Planned Overburden/Backfill
- Mine Development Buffer Zone Approximate
- Misc. Stockpiles
- USGS Township and Range
- USGS Section

Cross Section H Located on Sheet 4

Detail 2 Located on Sheet4

Scale: 1 inch = 400 feet

Map Prepared By: Lilburn Corporation (TAG)
Projection: CA SPCS, Zone 5, NAD83 US Feet
Existing Topography: 06/2017
Aerials: 06/2017

N

PROJECT SITE
Lat: 34.878567° N
Lon: 117.375564° W

No.	Date	By	Revision Description
1			
2			
3			
4			
5			

Prepared By

LILBURN CORPORATION

1905 Business Center Drive San Bernardino, CA 92408
909.890.1818 Fax 909.890.1009

PROFESSIONAL CERTIFICATIONS

Slope Stability (Appendix C)

The California Professional Geologist/Certified Engineering Geologist and the California Certified Engineering Geologist, by stamping the *Slope Stability Investigation Report for the Amended CalPortland Oro Grande Mine* prepared by Terracon Consultants, Inc. (February 20, 2019) (attached in Appendix C) for CalPortland Company solely in respect to the report's scope of work, is accepting responsibility for its findings and recommendations within said report.

Slope Stability Investigation Addendum to Reclamation
Oro Grande Mine • San Bernardino County, California
February 20, 2019 • Terracon Project No. C81851153

Terracon

We appreciate this opportunity to be of service and trust this report provides the information desired at this time. Should questions arise, please do not hesitate to contact this firm at your convenience.

Sincerely
Terracon Consultants, Inc.

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

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

Aerial Mapping/Topography (Appendix G)

Right-of-Way Engineering Services has been working with CalPortland and the previous owners of the Oro Grande Cement plant and quarries since 2007. The current topography was initially developed in 2010 and various sites updated at various times through February 2019. All topography was collected by aerial photogrammetry by Photogeodetic Corporation and was verified for accuracy with field data collected by our company. We established NAD 83 (2002 epoch) horizontal and NGVD 29 vertical control for this site based on CORS stations and NGS benchmarks.

Right-of-Way Engineering Services authorizes the use of this digital topography file for use by your company on projects for CalPortland and verifies that it meets, or exceeds the ACSM standards for aerial mapping contours, as it is provided to you. Any alterations or changes from the original file are excluded.

Michael Schlumpberger, LS7790
President
Right-of-Way Engineering Services, Inc.

CalPortland's Oro Grande Quarries
Amended Reclamation Plan
September 2020

iv

Land Survey and Parcels (Encumbrance Map – Appendix H)

California Professional Land Surveyor (PLS): The PLS, by signing/stamping the *Encumbrance Map of the Land of the CalPortland Company "Oro Grande Properties"* prepared by Psomas and attached in Appendix H, is accepting responsibility for information as stated on said Maps. Any alterations or changes from the original PDF file are excluded.

Cliff Simental – California Professional Land Surveyor, Psomas (see Appendix H for stamped maps)

Map Sheets (Map Sheets #1 to #4) – Quarry, Road and Overburden Designs

California Professional Geologist, CalPortland, by working with and reviewing and signing/stamping the Map Sheets #1 to #4, prepared by Paul L. Martin, CalPortland (PE, Mining, Nevada, BS Mining Engineering), Ed Harrison, CalPortland (BS Mining Engineering) and Adam Chapman, CalPortland (BS Mining Engineering)

Chad Warren – California Professional Geologist – CalPortland (See Maps #1 to #4 as attachments and figures).

PROFESSIONAL GEOLOGIST — No. 2331 — CERTIFIED ENGINEERING GEOLOGIST — STATE OF CALIFORNIA

9/24/19

CALPORTLAND COMPANY ORO GRANDE QUARRIES MINE NOTES

Mine: Oro Grande Quarries (84M-009)

CA MINE ID #: 91-36-0023

Mineral: Limestone and related minerals and aggregate materials

Mine Operator: CalPortland Company
P.O. Box 158
Oro Grande, CA 92368
(626) 691-1966
dhoggard@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: Desiree Hoggard
CalPortland Company
2025 E. Financial Way
Glendora, CA 91714
(626) 691-1966
dhoggard@calportland.com

Civil Engineer: Same as Operator/Representative

Map Preparer: CalPortland Company & Lilburn Corporation

Geologists: CalPortland – Chad Warren
John S. McKown, E.G. Senior Geologist
Terracon Consultants
1355 E. Cooley Drive
Colton, CA 92324
(909) 824-7311

Date of Map: October 2020

Utilities
Water: Onsite De-Watering Wells and CalPortland wells on plant site; planned use within CalPortland allocation with Mojave Water Agency
Sewage disposal: Portable toilets
Electric: Not proposed
Gas: Not proposed
Telephone: Mobile phones

Land Use Category / Zoning (Countywide Plan October 2020)

Project Site
Land Use Categories (LUC) – General Industrial (GI), Rural Living (RL) & Resource/Land Management (R/LM)
Zoning - Regional Industrial (IR), Resource Conservation (RC), & RL

Surrounding Uses (LUC / Zoning)
North – RL/RL; Vacant, desert lands
East – R/LM / RC; Vacant desert lands. Hilly terrain with isolated mines.
South – GI/IR, R/LM / RC, RL/RL-5; Vacant, desert lands. An aggregate mine operated by others is located adjacent to Shay Klondike Quarry to the southeast.
West – RL/RL-5 (Community of Oro Grande); Vacant desert land. Oro Grande Cement Plant to southwest; rural housing in Community of Oro Grande and along National Trails Hwy; and Mojave River to west.

Legal Description

APNs: 468-141-05; 469-131-02, 04, 05, 06; 469-191-01, 03, 08, 10, 11, 12; 469-201-02, 07
Parcels Area: 2,791.46 acres
Overall Mine/Reclamation Plan Area: approx. = 1,632 ac. ; Developed Area = 1,163 ac

Portions of Sections 4, 5, 8, 9, 16, 17, 18; Township 6 North, Range 4 West, San Bernardino Base and Meridian, in the County of San Bernardino, State of California.

Easements: Easements mapped on "Encumbrance Map" (July 2015) submitted with application.

33. An easement in favor of Pacific Gas & Electric Company for pipe lines set forth in document recorded February 2, 1959. (Existing pipeline alignment west of the western boundary of the Plan.)
49. An easement in favor of the California Interstate Telephone Company and Southern California Edison (SCE)for pole lines as set forth in the document recorded April29, 1964. (Existing pole line will be re-located when affected by planned mining activities in consultation with SCE.)
53. An easement in favor of Vinnel Mining and Minerals Corp. for roadway and waterline purposes for ingress and egress as set forth in the document recorded May 22, 1984. (Existing access road is south of the south boundary of the Plan.)

Signage: No public identification sign proposed. Safety, warning, and no trespassing signs will be located at any potential access points around the site and around quarry rims and other operations areas.

Parking: There will be no assigned parking areas within the mine site.

Plant and Tree Protection:
Per the Desert Native plants Act and County Code 88.01.060, preconstruction surveys will determine the number and viability of each plant to survive removal and transplanting to an area ready for reclamation for any rare plants.