

Lorelei H. Oviatt, AICP, Director
2700 "M" Street, Suite 100
Bakersfield, CA 93301-2323
Phone: (661) 862-8600
Fax: (661) 862-8601 TTY Relay 1-800-735-2929
Email: planning@kerncounty.com
Web Address: <http://kernplanning.com/>



**PLANNING AND NATURAL
RESOURCES DEPARTMENT**

Planning
Community Development
Administrative Operations

DATE: August 28, 2024

TO: See Attached Mailing List

FROM: Kern County Planning and Natural
Resources Department
Attn: Randall Cates
2700 "M" Street, Suite 100
Bakersfield, CA 93301
(661) 862-8612; CatesR@kerncounty.com

**SUBJECT: NOTICE OF PREPARATION (NOP) OF A DRAFT ENVIRONMENTAL IMPACT
REPORT (EIR) FOR THE MOJAVE LIFE OF MINE RECLAMATION PLAN
AMENDMENT PROJECT BY CALPORTLAND COMPANY**

The Kern County Planning and Natural Resources Department as Lead Agency (per CEQA Guidelines Section 15050) has determined that preparation of an Environmental Impact Report (per CEQA Guidelines 15161) is necessary for the proposed project identified below. The Planning and Natural Resources Department solicits the views of your agency as to the scope and content of the environmental information which is germane to your agency's statutory responsibilities in connection with the proposed project. Your agency may need to use the EIR prepared by our agency when considering your permit or other approval of the project.

You are invited to view the NOP and submit written comments regarding the scope and content of the environmental information in connection with the proposed project should you wish to do so. Due to the limits mandated by State law, your response must be received by **Friday September 27, 2024 at 5:00 p.m.** Comments can be submitted to the Kern County Planning and Natural Resources Department at the address shown above or to CatesR@kerncounty.com. A Scoping meeting will be held on **Tuesday, September 24, 2024, at 1:30 p.m.** at the address listed above.

PROJECT TITLE: Mojave Life of Mine Reclamation Plan Amendment Project by CalPortland Company

DOCUMENT AVAILABILITY: The Notice of Preparation for the above referenced project is available for public review at the Planning and Natural Resources Department, which is located at 2700 "M" Street, Suite 100, Bakersfield, CA 93301, or it can be accessed on the Kern County Planning and Natural Resources Department website at: <https://kernplanning.com/environmental-doc/mojave-life-of-mine-reclamation-plan-amendment-project>

PROJECT LOCATION: The project site is located in an unincorporated area of the southeastern part of Kern County, approximately 6 miles southeast of the City of Tehachapi and 8.5 miles west of the unincorporated community of Mojave. The project site straddles Tehachapi Willow Springs Road, is south

of Oak Creek Road, with the majority of the site being on the east side of Tehachapi Willow Springs Road. The project site is within the San Bernardino Base and Meridian (SBB&M).

PROJECT DESCRIPTION: The proposed Mojave Life of Mine Reclamation Plan Amendment Project consists of reclamation activities within the approximately 4,367-acre project site located on 16 parcels, such as recontouring, stabilizing, revegetation, and monitoring of final slopes and disturbed mining areas; reclamation of roads and ancillary equipment and facilities; and removal of the processing and cement plant facilities. Although some reclamation activities are and would continue to be performed concurrent with ongoing mining and processing, reclamation activities for final site reclamation would occur after the completion of mining and processing operations.

On March 15, 2021, Kern County determined that mining and processing activities are a legal nonconforming (vested) use on approximately 6,658 acres of land owned by the project proponent, inclusive of the approximately 4,367 acres covered by the proposed project. As such, vested and continuing mining activities such as drilling, blasting, material recovery, material movement (with the exception of material movement pertaining to reclamation, e.g. redistribution of stockpiled growth media to aid in revegetation efforts), processing, cement production, and material transport for sale are not subject to discretionary approval by Kern County and are not part of the proposed project. The project proponent proposes to continue to develop its limestone and construction materials resources within the existing vested properties and to increase the life of the mine by approximately 200 years to continue cement and construction materials production. The proposed project would not involve changes to the existing vested mining operations including, for example, production levels, mining systems or processes, and ultimate throughput from the cement plant.

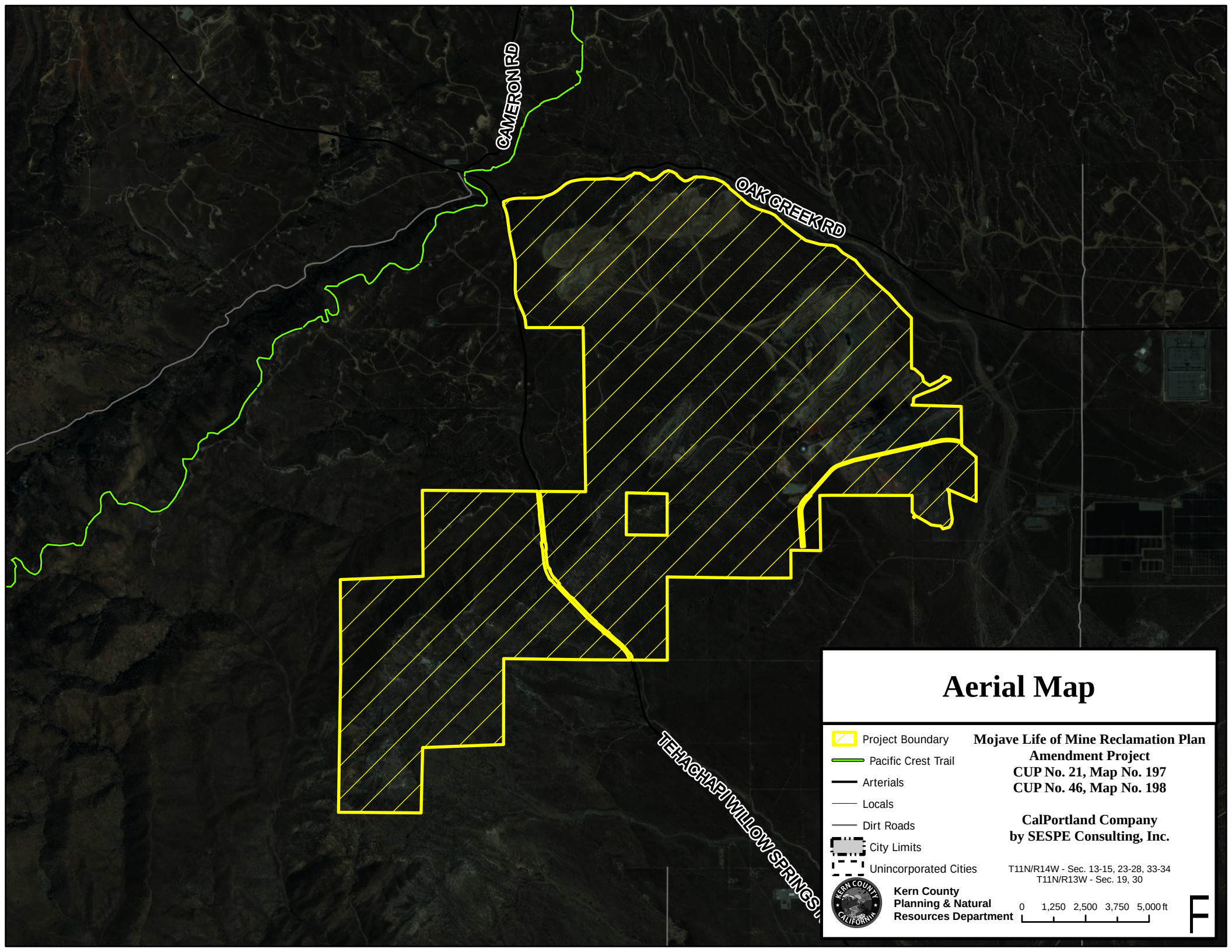
Reclamation of continued operations would require the County's approval of the proposed project which would amend the existing 1979 reclamation plan through approval of a reclamation plan applicable to approximately 4,367 acres of the vested properties. The proposed reclamation plan encompasses the approximately 1,542 acres currently subject to the 1979 reclamation plan and would add an additional approximately 2,825 acres to the reclamation plan boundary for a total of approximately 4,367 acres.

Signature

Name:



Randall Cates, Planner III



Aerial Map

-  Project Boundary
-  Pacific Crest Trail
-  Arterials
-  Locals
-  Dirt Roads
-  City Limits
-  Unincorporated Cities

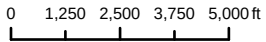
**Mojave Life of Mine Reclamation Plan
Amendment Project**
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198

**CalPortland Company
by SESPE Consulting, Inc.**

T11N/R14W - Sec. 13-15, 23-28, 33-34
T11N/R13W - Sec. 19, 30



**Kern County
Planning & Natural
Resources Department**



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Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P. O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH # _____

Project Title: Mojave Life of Mine Reclamation Plan Amendment Project by CalPortland Company (PP18108)

Lead Agency: Kern County Planning and Natural Resources Department

Contact Person: Randall Cates

Mailing Address: 2700 "M" Street Suite 100

Phone: 661-862-8612

City: Bakersfield

Zip: 93301-2323

County: Kern

Project Location: County: Kern

City/Nearest Community: Tehachapi

Cross Streets: The project site straddles Tehachapi Willow Springs Road, is south of Oak Creek Road, with the majority of the site being on the east side of Tehachapi Willow Springs Road. The project site is approximately 6 miles southeast of the City of Tehachapi and 8.5 miles west of the unincorporated community of Mojave.

Lat. / Long.: 35° 2' 6.64214" N/ 118° 19' 4.63056" W

Total Acres: Approximately 4,367 acres

Assessor's Parcel No.: 237-032-01, 237-053-01, 237-071-02, 237-071-03, 237-071-04, 237-071-07, 237-073-01, 237-073-02, 237-091-01, 237-091-02, 237-091-04, 237-091-05, 237-091-17, 237-093-01, 237-101-06, 237-102-01

Section: Sections 19 and 20 / Sections 13-15, 23-28, 33 and 34

Twp.: 11N Range: 13W / 14W Base: San Bernardino Base and Meridian (SBB&M)

Within 2 Miles: State Hwy #: N/A

Waterways: multiple ephemeral drainage features, including Oak Creek

Airports: N/A

Railways: project site has direct railway access

Schools: N/A

Document Type:

CEQA: ☒ NOP
☐ Early Cons
☐ Neg Dec
☐ Mit Neg Dec

☐ Draft EIR
☐ Supplement/Subsequent EIR
(Prior SCH No.) _____
Other _____

NEPA: ☐ NOI
☐ EA
☐ Draft EIS
☐ FONSI

Other: ☐ Joint Document
☐ Final Document
☐ Other _____

Local Action Type:

☐ General Plan Update
☐ General Plan Amendment
☐ General Plan Element
☐ Community Plan
☐ Other _____

☐ Specific Plan
☐ Master Plan
☐ Planned Unit Development
☐ Site Plan

☐ Rezone
☐ Prezone
☒ Use Permit
☐ Land Division (Subdivision, etc.)

☐ Annexation
☐ Redevelopment
☐ Coastal Permit

Development Type:

☐ Residential: Units _____ Acres _____
☐ Office: Sq.ft. _____ Acres _____ Employees _____
☐ Commercial: Sq.ft. _____ Acres _____ Employees _____
☐ Industrial: Sq.ft. _____ Acres _____ Employees _____
☐ Educational _____
☐ Recreational _____

☐ Water Facilities: Type _____ MGD _____
☐ Transportation: Type _____
☐ Mining: Mineral: _____
☐ Power: Type _____ MW _____
☐ Waste Treatment: Type _____ MGD _____
☐ Hazardous Waste: Type _____
☒ Other: Reclamation

Project Issues Discussed in Document:

☒ Aesthetic/Visual
☒ Agricultural Land
☒ Air Quality
☒ Archeological/Historical
☒ Biological Resources
☐ Coastal Zone
☒ Drainage/Absorption
☐ Economic/Jobs
☒ Other Energy, Greenhouse Gas Emissions, Tribal Cultural Resources, Wildfire

☐ Fiscal
☒ Flood Plain/Flooding
☒ Forest Land/Fire Hazard
☒ Geologic/Seismic
☒ Minerals
☒ Noise
☐ Population/Housing Balance
☒ Public Services/Facilities

☐ Recreation/Parks
☒ Schools/Universities
☒ Septic Systems
☒ Sewer Capacity
☒ Soil Erosion/Compaction/Grading
☒ Solid Waste
☒ Toxic/Hazardous
☒ Traffic/Circulation

☒ Vegetation
☒ Water Quality
☒ Water Supply/Groundwater
☒ Wetland/Riparian
☒ Wildlife
☒ Growth Inducing
☒ Land Use
☒ Cumulative Effects

Present Land Use/Zoning/General Plan Designation:

Wind turbines, vested limestone and construction materials mining, processing, and cement production facility / *Zoning*: A (Exclusive Agriculture), A WE (Exclusive Agriculture, Wind Energy Combining), A-1 (Limited Agriculture), A-1 WE (Limited Agriculture, Wind Energy Combining), M-3 (Heavy Industrial), M-3 FP (Heavy Industrial, Floodplain Combining), M-3 WE (Heavy Industrial, Wind Energy Combining), E(20) RS (Estate – 20 acres, Residential Suburban Combining), NR(20) (Natural Resource – 20 acres), FPP (Floodplain Primary) / *Kern County General Plan*: 7.3 (Heavy Industrial), 7.3/2.4 (Heavy Industrial - Steep Slope), 7.3/2.5 (Heavy Industrial – Flood Hazard), 8.2 (Resource Reserve), 8.2/2.4 (Resource Reserve – Steep Slope), 8.4 (Mineral and Petroleum), 8.4/2.4 (Mineral and Petroleum – Steep Slope), 8.4/2.5 (Mineral and Petroleum – Flood Hazard), 8.5/2.4 (Resource Management – Steep Slope); *Cameron Canyon Specific Plan*: 8.2/2.5 (Resource Reserve – Flood Hazard), 8.4/2.4 (Mineral and Petroleum – Steep Slope), 8.4/2.6 (Mineral and Petroleum – Erosion Hazard)

Project Description: *(please use a separate page if necessary)*

The proposed Mojave Life of Mine Reclamation Plan Amendment Project consists of reclamation activities within the approximately 4,367-acre project site located on 16 parcels, such as recontouring, stabilizing, revegetation, and monitoring of final slopes and disturbed mining areas; reclamation of roads and ancillary equipment and facilities; and removal of the processing and cement plant facilities. Although some reclamation activities are and would continue to be performed concurrent with ongoing mining and processing, reclamation activities for final site reclamation would occur after the completion of mining and processing operations.

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Reclamation of continued operations would require the County's approval of the proposed project which would amend the existing 1979 reclamation plan through approval of a reclamation plan applicable to approximately 4,367 acres of the vested properties. The proposed reclamation plan encompasses the approximately 1,542 acres currently subject to the 1979 reclamation plan and would add an additional approximately 2,825 acres to the reclamation plan boundary for a total of approximately 4,367 acres.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".
If you have already sent your document to the agency please denote that with an "S".

<u> S </u> Air Resources Board	<u> </u> Office of Emergency Services
<u> </u> Boating & Waterways, Department of	<u> </u> Office of Historic Preservation
<u> </u> California Highway Patrol	<u> </u> Office of Public School Construction
<u> </u> CalFire	<u> </u> Parks & Recreation
<u> S </u> Caltrans District # <u>6 & 9</u>	<u> </u> Pesticide Regulation, Department of
<u> </u> Caltrans Division of Aeronautics	<u> </u> Public Utilities Commission
<u> </u> Caltrans Planning (Headquarters)	<u> S </u> Regional WQCB # <u>Lahontan</u>
<u> </u> Central Valley Flood Protection Board	<u> </u> Resources Agency
<u> </u> Coachella Valley Mountains Conservancy	<u> </u> S.F. Bay Conservation & Development Commission
<u> </u> Coastal Commission	<u> </u> San Gabriel & Lower L.A. Rivers and Mtns Conservancy
<u> </u> Colorado River Board	<u> </u> San Joaquin River Conservancy
<u> S </u> Conservation, Department of	<u> </u> Santa Monica Mountains Conservancy
<u> </u> Corrections, Department of	<u> </u> State Lands Commission
<u> </u> Delta Protection Commission	<u> </u> SWRCB: Clean Water Grants
<u> </u> Education, Department of	<u> </u> SWRCB: Water Quality
<u> </u> Energy Commission	<u> </u> SWRCB: Water Rights
<u> S </u> Fish & Game Region # <u>Fresno</u>	<u> </u> Tahoe Regional Planning Agency
<u> </u> Food & Agriculture, Department of	<u> </u> Toxic Substances Control, Department of
<u> </u> General Services, Department of	<u> </u> Water Resources, Department of
<u> </u> Health Services, Department of	<u> S </u> Other <u>So. San Joaquin Arch. Info. Ctr.</u>
<u> </u> Housing & Community Development	<u> S </u> Other <u>CalGEM - Bakersfield</u>
<u> </u> Integrated Waste Management Board	<u> </u> _____
<u> S </u> Native American Heritage Commission	<u> </u> _____

Local Public Review Period (to be filled in by lead agency)

Starting Date August 28, 2024 Ending Date September 27, 2024

Lead Agency (Complete if applicable):

Consulting Firm: _____	Applicant: _____
Address: _____	Address: _____
City/State/Zip: _____	City/State/Zip: _____
Contact: _____	Phone: _____
Phone: _____	

Signature of Lead Agency Representative: _____/s/_____ Date: August 28, 2024

Randall Cates, Planner III

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

\\psbfile01\Vol1_PLNR\Planning\WORKG RPS\WP\LABELS\Mojave Mine.docx Mojave Mine	237 530 37 00 8 ALTA OAK REALTY LLC 437 MADISON AVE STE A NEW YORK NY 10022-7036	237 390 06 00 8 CALIF PORTLAND CEMENT CO 2025 E FINANCIAL WY GLENDORA CA 91741
237 031 43 00 7 DUP CALIFORNIA PORTLAND CEMENT CO 2025 E FINANCIAL WY GLENDORA CA 91741-4692	237 073 01 00 1 DUP CALIFORNIA PORTLAND CEMENT CO 2025 E FINANCIAL WAY GLENDORA CA 91744	237 213 17 00 8 CALIFORNIA RESOURCES PETROLEUM CORPORATION 27200 TOURNEY RD STE 200 SANTA CLARITA CA 91355-4910
237 032 02 00 5 DUP CALPORTLAND CO 2025 E FINANCIAL WY GLENDORA CA 91741	237 213 14 00 9 CAMPBELL BRADLEY C TRUST 22394 MONTERA CT SALINAS CA 93908-1024	237 520 10 00 6 CATINO FMLY TR 741 E HARMONY LN FULLERTON CA 92831
237 093 03 00 3 CJH REAL PROPERTIES LLC 8502 E CHAPMAN AV # 638 ORANGE CA 92869	237 390 25 00 3 COOK TIMOTHY & ROSEANN FAMILY TRUST 24652 SAN DOVAL MISSION VIEJO CA 92691	237 530 02 00 6 DUNYON GLADYS LIVING TRUST 1734 S FOREST OAK DR BEAUMONT CA 92223-8574
237 520 06 00 5 GEDDES TOSHIKO 16250 MANTILLA RD SAN DIEGO CA 92128	237 520 07 00 8 GIRARD MARY 2647 RED ARROW DR LAS VEGAS NV 89135-1607	237 390 07 00 1 HEATH WILLIAM JOHN 39494 CARY RD ANZA CA 92539-9131
237 520 23 00 4 HUTCHINSON L JAMES 1307 MILANO CI DUNEDIN FL 34698	237 520 14 00 8 HYUNG YONG K & YONG 701 E HERMOSA DR FULLERTON CA 92635	237 213 03 00 7 IRELL LAUREN REVOCABLE TRUST 717 S GRIFFITH PARK DR BURBANK CA 91506-3003
237 213 04 00 0 DUP IRELL LAUREN TRUST 717 S GRIFFITH PARK DR BURBANK CA 91506-3003	237 520 17 00 7 MASCHMEYER WAYNE K REV LIVING TRUST 387 V ST SPRINGFIELD OR 97477	474 010 24 00 8 NASRALLAH JEFFREY 5923 WOODLAND VIEW DR WOODLAND HILLS CA 91367-1075
237 520 05 00 2 NORELL WILLIAM E 2402 4TH ST # 12 SANTA MONICA CA 90405	237 520 21 00 8 DUP RIERA EVELYN LIEBIGSTR.34 *	237 370 03 00 3 SMITH DONALD R & MARGARET FAMILY TR P O BOX 962 BIG BEAR LAKE CA 92315
237 520 11 00 9 SOU CAL EDISON CO 14799 CHESTNUT ST WESTMINSTER CA 92683-5240	237 211 23 00 1 SOUTHERN CALIFORNIA EDISON CO 2244 WALNUT GROVE AV ROSEMEAD CA 91770-3714	237 520 15 00 1 SPACEPORT LAND FAMILY L P 6100 BEL AIRE WY BAKERSFIELD CA 93309
237 520 22 00 1 TONG NHIEM & LY-HUONG PO BOX 2411 LA HABRA CA 90632-2411	237 520 19 00 3 TROUT JAMES H & SANDRA A 110 FAIRWAY DR NOVATO CA 94949	237 091 03 00 9 DUP U S A * *

237 093 02 00 0
U S A
1600 PENNSYLVANIA AV NW
WASHINGTON DC 20500

237 032 32 00 2
UNION PACIFIC R/R CO
1400 DOUGLAS ST # 1610
OMAHA NE 68179-1610

237 091 19 00 6
UNION PACIFIC R/R CO
1400 DOUGLAS ST
OMAHA NE 68179-1610

237 370 05 00 9
WESTERN NATURAL RESOURCES
LLC
11455 EL CAMINO REAL STE 160
SAN DIEGO CA 92130

237 093 46 00 8 **DUP**
WESTN NATURAL RESOURCES LLC
11455 EL CAMINO REAL STE 160
SAN DIEGO CA 92130

237 520 08 00 1 **DUP**
WHITE PAUL
1631 S BURLINGTON AVE APT 1631
*

Inyo County Planning Dept
P.O. Drawer "L"
Independence, CA 93526

Kings County Planning Agency
1400 West Lacey Blvd, Bldg 6
Hanford, CA 93230

Los Angeles Co Reg Planning Dept
320 West Temple Street
Los Angeles, CA 90012

San Bernardino Co Planning Dept
385 North Arrowhead Avenue, 1st Floor
San Bernardino, CA 92415-0182

San Luis Obispo Co Planning Dept
Planning and Building
976 Osos Street
San Luis Obispo, CA 93408

Santa Barbara Co Resource Mgt Dept
123 East Anapamu Street
Santa Barbara, CA 93101

Tulare County Planning & Dev Dept
5961 South Mooney Boulevard
Visalia, CA 93291

Ventura County RMA Planning Div
800 South Victoria Avenue, L1740
Ventura, CA 93009-1740

U.S. Bureau of Land Management
Ridgecrest Field Office
300 South Richmond Road
Ridgecrest, CA 93555

China Lake Naval Weapons Center
Tim Fox, RLA - Comm Plans & Liaison
429 E Bowen, Building 981
Mail Stop 4001
China Lake, CA 93555

Edwards AFB, Mission Sustainability
Liaison
412 TW, Bldg 2750, Ste 117-14
195 East Popson Avenue
Edwards AFB, CA 93524

U.S. Fish & Wildlife Service
777 East Tahquitz Canyon Way, Suite 208
Palm Springs, CA 92262

Tehachapi Resource Cons Dist
321 West "C" Street
Tehachapi, CA 93561-2011

Eastern Kern Resource Cons Dist
300 South Richmond Road
Ridgecrest, CA 93555-4436

Environmental Protection Agency
Region IX Office
75 Hawthorn Street
San Francisco, CA 94105

U.S. Dept of Agriculture/NRCS
5080 California Avenue, Ste 150
Bakersfield, CA 93309-0711

U.S. Postal Service
Address Management Systems
28201 Franklin Parkway
Santa Clarita, CA 91383-9321

State Air Resources Board
Stationary Resource Division
P.O. Box 2815
Sacramento, CA 95812

So. San Joaquin Valley Arch Info Ctr
California State University of Bkfd
9001 Stockdale Highway
Bakersfield, CA 93311

Caltrans/Dist 6
Planning/Land Bank Bldg.
P.O. Box 12616
Fresno, CA 93778

Caltrans/Dist 9
Planning Department
500 South Main Street
Bishop, CA 93514

State Dept of Conservation
Director's Office
715 "P" Street, MS 1900
Sacramento, CA 95814

State Dept of Conservation
Geologic Energy Management Division
11000 River Run Boulevard
Bakersfield, CA 93311

Office of the State Geologist
Headquarters
715 "P" Street, MS 1901
Sacramento, CA 95814

State Dept of Conservation
Division of Land Resource Protection
715 "P" Street, MS 1904
Sacramento, CA 95814

State Dept of Conservation
Dept. of Resources, Recycling, &
Recovery
P.O. Box 4025
Sacramento, CA 95812

State Mining and Geology Board
715 "P" Street, MS 1909
Sacramento, CA 95814

California State University
Bakersfield - Library
9001 Stockdale Highway
Bakersfield, CA 93309

California Fish & Wildlife
1234 East Shaw Avenue
Fresno, CA 93710

California Regional Water Quality
Control Board/Lahontan Region
15095 Amargosa Road - Bld 2, Suite 210
Victorville, CA 92392

Kern County Administrative Officer

Kern County Public Works Department/
Building & Development/Floodplain

Kern County Public Works Department/
Building & Development/Survey

Kern County
Env Health Services Department

Kern County Fire Dept (Put in FIRE BOX)
Regina Arriaga
Roxanne Routh
Jim Killam

Kern County Fire Dept
Aaron Duncan

Kern County Library/Beale
Local History Room

Kern County Library/Beale
Andie Sullivan

Kern County Library
Tehachapi Branch
1001 West Tehachapi Blvd - Suite 400
Tehachapi, CA 93561

Kern County Parks & Recreation

Kern County Sheriff's Dept
Administration

Kern County Public Works Department/
Building & Development/Development
Review

Kern County Public Works
Department/Operations &
Maintenance/Regulatory Monitoring &
Reporting

Kern County Public Works Department/
Building & Development/Code
Compliance

Tehachapi Unified School Dist
300 S Robinson Street
Tehachapi, CA 93561

Mojave Unified School Dist
3500 Douglas
Mojave, CA 93501

Kern County Superintendent of Schools
Attention School District Facility Services
1300 - 17th Street
Bakersfield, CA 93301

Local Agency Formation Comm/LAFCO
5300 Lennox Avenue, Suite 303
Bakersfield, CA 93309

Golden Hills Community Serv Dist
P.O. Box 637
Tehachapi, CA 93581

Antelope Valley-East Kern
Water Agency
6500 West Avenue N
Palmdale, CA 93551

Tehachapi-Cummings Co Water Dist
P.O. Box 326
Tehachapi, CA 93561

Kern County Water Agency
3200 Rio Mirada Drive
Bakersfield, CA 93308

Tehachapi Parks & Recreation Dist
P.O. Box 373
Tehachapi, CA 93561

East Kern Air Pollution
Control District

Adams, Broadwell, Joseph & Cardozo
Attention: Janet M. Laurain
601 Gateway Boulevard, Suite 1000
South San Francisco, CA 94080

U.S. Army
Attn: Tim Kilgannon, Reg 9 Coord
Office of Strategic Integration
721 - 19th Street, Room 427
Denver, CO 80202

AT&T California
OSP Engineering/Right-of-Way
4901 Ashe Road
Bakersfield, CA 93313

Center on Race, Poverty
& the Environmental/
CA Rural Legal Assistance Foundation
1012 Jefferson Street
Delano, CA 93215

Native American Heritage Council
of Kern County
Attn: Gene Albitre
18169 Highway 155
Woody, CA 93287

Sierra Club/Kern Kaweah Chapter
P.O. Box 3357
Bakersfield, CA 93385

Chumash Council of Bakersfield
2421 "O" Street
Bakersfield, CA 93301-2441

Kern Valley Indian Council
Historic Preservation Office
P.O. Box 401
Weldon, CA 93283

Kitanemuk & Yowlumne Tejon Indians
Chairperson
115 Radio Street
Bakersfield, CA 93305

Glenn Baumann
785 Tucker Road, No. G333
Tehachapi, CA 93561

U.S. Air Force
Attn: David Bell/AFCEC CZPW
Western Regional/Leg Branch
510 Hickam Avenue, Bld 250-A
Travis AFD, CA 94535-2729

U.S. Navy
Attn: Steve Chung, Plans & Liaison
Officer
1220 Pacific Highway
San Diego, CA 92132-5190

Kern Audubon Society
Attn: Frank Bedard, Chairman
4124 Chardonay Drive
Bakersfield, CA 93306

Defenders of Wildlife
P.O. Box 401
Folsom, CA 95763

Beth Boyst
Pacific Crest Trail Program Manager
1323 Club Drive
Vallejo, CA 94592

Native American Heritage Commission
1550 Harbor Boulevard
West Sacramento, CA 95691

David Laughing Horse Robinson
P.O. Box 20849
Bakersfield, CA 93390

Santa Rosa Rancheria
Ruben Barrios, Chairperson
P.O. Box 8
Lemoore, CA 93245

Tubatulabals of Kern County
Attn: Robert Gomez, Chairperson
P.O. Box 833
Weldon, CA 93283

Janice Armstrong
24121 Rand Court
Tehachapi, CA 93561

U.S. Army
Attn: Daniel J. Saelens
G3 Force Integration
P.O. Box 105100
Fort Irwin, CA 92310

U.S. Marine Corps
Command Gen MCIWEST-MCB CamPen
Attn: A/CS, G7
Box 555010, Bldg 1160, Rm 280
Camp Pendleton, CA 92055-5246

Center on Race, Poverty
& the Environment
5901 Christie Avenue, Suit 208
Emeryville, CA 94608

Mojave Chamber of Commerce
P.O. Box 935
Mojave, CA 93502

Anitra Kass
Pacific Crest Trail Association
41860 Saint Annes Bay Drive
Bermuda Dunes, CA 92203

Southern California Edison
Planning Dept.
421 West "J" Street
Tehachapi, CA 93561

Kern Valley Indian Council
Attn: Robert Robinson, Chairperson
P.O. Box 401
Weldon, CA 93283

Tejon Indian Tribe
Octavio Escobedo III, Chairman
P.O. Box 640
Arvin, CA 93203F

Tule River Indian Tribe
Neal Peyron, Chairperson
P.O. Box 589
Porterville, CA 93258

Joyce LoBasso
P.O. Box 6003
Bakersfield, CA 93386

Kevin Johnston
2476 Buena Vista Avenue
Livermore, CA 94550

LIUNA
Attn: Danny Zaragoza
2201 "H" Street
Bakersfield, CA 93301

Tehachapi Resource Cons Dist
321 West "C" Street
Tehachapi, CA 93561-2011

Solveig A. Thompson
29200 Woodview Court
Tehachapi, CA 93561-7484

Northcutt and Associates
4220 Poplar Street
Lake Isabella, CA 93240-9536

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1939 Harrison Street, Suite 150
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NOTICE OF PREPARATION

Mojave Life of Mine Reclamation Plan Amendment Project by CalPortland Company

Conditional Use Permit No. 21, Map 197
Conditional Use Permit No. 46, Map 198

PLN18-01957
(PP18108)

LEAD AGENCY:



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August 2024

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INTRODUCTION

Pursuant to the California Environmental Quality Act (CEQA), the Kern County Planning and Natural Resources Department (County) will initiate the preparation of an Environmental Impact Report (EIR) for the Mojave Life of Mine Reclamation Plan Amendment Project in the unincorporated area of southeastern Kern County, California.

1. Project Description

1.1 Project Location

The Mojave Life of Mine Reclamation Plan Amendment Project (proposed project) is a proposal by CalPortland Company (project proponent) requesting the County's approval of a reclamation plan amendment for the Mojave Mine (CA Mine ID No. 91-15-0032), which is an existing and vested limestone and construction materials mining, processing, and cement production facility. The proposed project would approve an amended reclamation plan that would cover approximately 4,367 acres and would supersede the existing 1979 reclamation plan which covers approximately 1,542 acres.

The proposed project is located in an unincorporated area of the southeastern part of Kern County, approximately 6 miles southeast of the City of Tehachapi and 8.5 miles west of the unincorporated community of Mojave. The project site is within the area mapped on United States Geological Survey (USGS) 7.5-minute Monolith and Willow Springs 7.5-minute topographic quadrangles in all or portions of Sections 13 through 15, 23 through 28, 33, and 34 Township 11 North, Range 14 West (T11N, R14W), San



Bernardino Baseline and Meridian (SBB&M); and portions of Sections 19 and 30, Township 11 north, Range 13 West (T11N, R13W) SBBM.

The project site is approximately 4,367 acres within portions of sixteen privately owned parcels identified as Kern County Assessor's Parcel Numbers (APNs):

237-032-01	237-071-04	237-091-01	237-091-17
237-053-01	237-071-07	237-091-02	237-093-01
237-071-02	237-073-01	237-091-04	237-101-06
237-071-03	237-073-02	237-091-05	237-102-01

Figure 1: Site Vicinity illustrates the project location and *Figure 2: Assessor's Parcels, Existing Reclamation Plan Boundaries, Proposed Reclamation Plan Boundaries, and Vested Facility Boundaries* illustrates the project parcels, the existing reclamation plan boundary, and the proposed reclamation plan boundary. *Figure 3: Aerial Photograph Map* shows a birds-eye view of the project site.

As shown on Figure 2, the project site is bounded on the north by Oak Creek Road and is bisected by Tehachapi Willow Springs Road. The portion of the project site east of Tehachapi Willow Springs Road is accessed from an existing approximately 1-mile-long private access road that connects to Oak Creek Road approximately 3.5 miles east of Tehachapi Willow Springs Road. Access to the project site west of Tehachapi Willow Springs Road is via an existing access point along Tehachapi Willow Springs Road which bisects the southwestern portion of the site.

1.2 Environmental Setting

The proposed project site is located in the Mojave Desert on the southeastern edge of the Tehachapi Mountains. The elevation of the project area ranges from approximately 3,420 to 6,085 feet above mean sea level (amsl).

Oak Creek Road runs east-west along the project site's northern boundary. Tehachapi Willow Springs Road runs north-south along a portion of the northern portion of the project site's western boundary and bisects the southwestern portion of the project site.

The surrounding land uses consist of open space, dispersed rural residences, renewable energy generation (i.e., wind turbines and solar facilities), and other mining and industrial uses. Sensitive receptors located in the vicinity of the proposed project site consist of rural residential dwellings located at varying distances from the proposed project site.

The nearest identified sensitive receptors are a residence located 5,400 feet south of the project site west of Tehachapi Willow Springs Road, a residence located approximately 5,500 feet northwest of the project site adjacent to Tehachapi Willow Springs Road, a residence located approximately 6,450 feet north of the project site adjacent to Cameron Canyon Road, and residence/commercial facility located approximately 7,400 feet south of the project site west of Tehachapi Willow Springs Road. The Pacific Crest Trail at its nearest point is approximately 600 feet northwest of the northwest corner of the project site near the Tehachapi Willow Springs Road / Oak Creek Road intersection.

An approximately 40-acre parcel of land under federal ownership and administered by the U.S. Bureau of Land Management (BLM) is located centrally within the exterior boundaries of the project site, however it is not part of the project site. Nothing about the BLM access rights to their aforementioned parcel (the northeast quarter of the northwest quarter of Township 11 North, Range 14 West (T11N, R14W), San Bernardino Baseline and Meridian (SBB&M)) will be changed because of the proposed project.



The project proponent acquired the majority of the project site properties in 1953 and commenced surface mining operations and cement production in 1954. Mining and cement plant operations have been ongoing since that time. Approximately 852 acres of the site have been disturbed by previous and ongoing site operations and other disturbances associated with dirt roads, wind turbine development, and areas that were burned in 2006 and 2011. A total of 22 wind turbines are located on the project site. Of those 22 wind turbines, cement plant operations utilize eight (8) 3-megawatt (MW) wind turbines owned by the project proponent comprising a 24-MW wind turbine electrical generation facility [the northernmost eight turbines in Section 23 Township 11 North, Range 14 West (T11N, R14W), San Bernardino Baseline and Meridian (SBB&M)]. Additional wind turbines are also located in the surrounding area.

The project site varies in topography, containing steep ridgelines, rocky hillsides, desert scrubland, rolling hills, and desert washes. Project site terrain west of Tehachapi Willow Springs Road includes a mountainous ridgeline transitioning into a lower ridgeline running generally from the northeast corner near the existing mined areas to the southwest. Rolling hills and valleys occur on either side of this portion of the ridgeline.

Much of the site is composed of alluvial deposits and contains coarse-textured, well-drained soils developing from alluvium. Soil series which occur within the site include Cajon loamy sand, Cajon gravelly loamy sand, Cinco gravelly loamy sand, Garlock loamy sand, and Randsburg sandy loam.

The diverse terrain of steep ridgelines, rocky hillsides, rolling hills, and flat desert scrubland and supports a variety of habitats utilized by a diverse group of wildlife species. Most of the area consists of moderately steep to very steep ridgelines with rolling hills at the base of the mountainous terrain which support juniper woodlands and mixed woody scrub vegetation. Four plant communities identified within the project site consist of approximately 1,218 acres of Mojave Juniper Woodland and Scrub covering the majority of the foothills and slopes, approximately 920 acres of Mojave Mixed Woody Scrub occurring primarily at lower elevations in the flatter areas of the site, approximately 145 acres of Joshua Tree Woodland most of which is within the northern portion of the project site, and Riparian habitat. Fifteen ephemeral drainage channels have been delineated within the project site, composing a total of approximately 3.51 acres, some of which support riparian habitat.

The majority of the project site is designated Zone “X” on the Flood Insurance Rate Map (FIRM) as issued by the Federal Emergency Management Agency (FEMA); Flood Zone “X” identifies an area of minimal flood hazard. A small portion of the site southeast of the cement plant is designated Zone “A” on the FIRM as issued by FEMA; Flood Zone “A” identifies an area where no base flood elevations have been determined as shown on *Figure 4: Flood Hazard Map*. The U.S. Fish and Wildlife Service’s (USFWS) National Wetland Inventory (NWI) map depicts approximately thirteen riverine resources that follow onsite topography before flowing to the southeast and south and also depicts two freshwater pond resources in the eastern portion of the project site.

None of the project site parcels are designated by the California Department of Conservation (DOC) as Prime Farmland, Farmland of Statewide Importance, or Unique Farmland. Additionally, none of the project site parcels are subjected to a Williamson Act Land Use contract or within an Agriculture Preserve boundary. Based on a review of records maintained by the California Department of Conservation/California Department of Conservation Geologic Energy Management Division (CalGEM), there are no oil wells identified within the project site.

The proposed project site contains areas classified as MRZ-2a for limestone resources by the California Geological Survey (CGS) under the Surface Mining and Reclamation Act of 1975 (SMARA) mineral land classification program (CGS Open-File Report 99-15, Plate of 25 – Limestone, Monolith Quadrangle).



The proposed project site is served by the Kern County Sheriff's Office (KCSO) for law enforcement and public safety, Kern County Fire Department (KCFD) for fire protection, and Kern County Medical Emergency Services for emergency medical and rescue services. The nearest KCSO substation (Mojave) and KCFD fire station (Station No. 14) are both located in the unincorporated community of Mojave, which is approximately 8.5 miles east from the existing site entrance on Oak Creek Road. The nearest hospital is the Adventist Health Tehachapi Valley Hospital at 1100 Magellan Drive in the city of Tehachapi, which is approximately 14.5 miles from the existing site entrance on Oak Creek Road. The nearest school is Joshua Middle School which is located at 3200 Pat Avenue in Mojave approximately 6.5 miles east of the project site.

The proposed project site is within the administrative boundaries of the Kern County General Plan (KCGP), with the exception of an approximately 321-acre area in the northern portion of the project site which is within the Cameron Canyon Specific Plan administrative boundary, as shown in *Table 1: Project Assessor Parcel Numbers, Existing General/Specific Plan Map Code, Zoning, and Approximate Acreages*, and *Figure 5: Existing General/Specific Plan Designations*.

The proposed project is also subject to the provisions of the Kern County Zoning Ordinance and is located in portions of Zone Maps 197 and 198. As shown in Table 1 below, and *Figure 6: Existing Zoning Classifications*, the majority of the proposed project site is zoned either A (Exclusive Agriculture) or A-1 Limited Agriculture). Eight additional Zone Districts comprise the remainder of the proposed project. While there are existing inconsistencies between the General Plan Map Code Designations and Zone Districts, the Lead Agency has determined Zone Classification Change (ZCC) request(s) and/or General Plan Map Code Designation Amendment (GPA) request(s) are not applicable to the project, considering mining is a vested use as described below.

Table 2: Proposed Project Site and Surrounding Land Uses demonstrates the existing land use of the proposed project site and surrounding areas.

The nearest airports to the project site are Mountain Valley Airport approximately 4.75 miles to the northwest, Tehachapi Municipal Airport approximately 7.25 miles to the northwest, and Mojave Airport, approximately 7.5 miles to the east. Review of the Kern County Airport Land Use Compatibility Plan (ALUCP) concludes that the project site is not within a planning or airspace boundary for any of these airports.

Table 1: Project Assessor Parcel Numbers, Existing General/Specific Plan Map Code, Zoning, and Approximate Acreages

Count	APN	Zone Map	General/ Specific Plan	General/ Specific Plan Map Code Designation	Existing Zoning	Approximate Acres of APN	Acreage of the Project Site which is within the APN
1.	237-032-01	197	KCGP	7.3, 7.3/2.5	M-3, M-3 WE, A-1, A-1 WE, A-1 FP	356.33	128.77
2.	237-053-01	198	KCGP	7.3, 7.3/2.5	M-3, M-3 FP	663.46	26.31



Table 1: Project Assessor Parcel Numbers, Existing General/Specific Plan Map Code, Zoning, and Approximate Acreages

Count	APN	Zone Map	General/ Specific Plan	General/ Specific Plan Map Code Designation	Existing Zoning	Approximate Acres of APN	Acreage of the Project Site which is within the APN
3.	237-071-02	198	KCGP/CCSP	KCGP: 8.4, 8.4/2.4 CCSP: 8.4/2.4, 8.4/2.6	E(20) RS, NR (20)	455.12	224.06
4.	237-071-03	198	KCGP/CCSP	KCGP: 8.4, 8.4/2.5 CCSP: 8.2/2.5, 8.4/2.4, 8.4/2.6	A-1, NR(20), FPP	142.51	99.24
5.	237-071-04	198	KCGP/CCSP	KCGP: 8.4, 8.4/2.4 CCSP: 8.4/2.4, 8.4/2.6	A-1, NR(20), A WE	479.68	479.68
6.	237-071-07	198	KCGP/CCSP	8.4, 8.4/2.4, 8.4/2.5 CCSP: 8.4/2.6	A-1, A WE	625.46	304.18
7.	237-073-01	198	KCGP	7.3, 7.3/2.4	M-3, M-3 WE	638.28	637.94
8.	237-073-02	198	KCGP	8.4, 8.4/2.4	A-1, A WE	639.65	639.20
9.	237-091-01	198	KCGP	8.2, 8.2/2.4, 8.4, 8.4/2.4	A, A WE	647.44	646.14
10.	237-091-02	198	KCGP	8.4, 8.4/2.4	A, A WE	157.16	157.06
11.	237-091-04	198	KCGP	8.4, 8.4/2.4	A, A WE	118.7	118.57
12.	237-091-05	198	KCGP	8.4	A, A WE	160.21	159.74
13.	237-091-17	198	KCGP	8.4	A WE, A-1, A-1 WE	155.93	115.81
14.	237-093-01	198	KCGP	8.5/2.4	A	156.65	153.99
15.	237-101-06	198	KCGP	8.2/2.4	A	179.29	177.51



Table 1: Project Assessor Parcel Numbers, Existing General/Specific Plan Map Code, Zoning, and Approximate Acreages

Count	APN	Zone Map	General/ Specific Plan	General/ Specific Plan Map Code Designation	Existing Zoning	Appr- oximate Acres of APN	Acreage of the Project Site which is within the APN
16.	237-102-01	198	KCGP	8.5/2.4	A	633.3	285.48

Notes:

Kern County Zoning District:

A (Exclusive Agriculture)
A WE (Exclusive Agriculture, Wind Energy Combining)
A-1 (Limited Agriculture)
A-1 FP (Limited Agriculture, Floodplain Combining)
A-1 WE (Limited Agriculture, Wind Energy Combining)
M-3 (Heavy Industrial)
M-3 FP (Heavy Industrial, Floodplain Combining)
M-3 WE (Heavy Industrial, Wind Energy Combining)
E(20) RS (Estate – 20 acres, Residential Suburban Combining)
NR(20) (Natural Resource – 20 acres)
FPP (Floodplain Primary)

Kern County General Plan (KCGP) Map Code Designation:

7.3 (Heavy Industrial)
7.3/2.4 (Heavy Industrial - Steep Slope)
7.3/2.5 (Heavy Industrial – Flood Hazard)
8.2 (Resource Reserve)
8.2/2.4 (Resource Reserve – Steep Slope)
8.4 (Mineral and Petroleum)
8.4/2.4 (Mineral and Petroleum – Steep Slope)
8.4/2.5 (Mineral and Petroleum – Flood Hazard)
8.5/2.4 (Resource Management – Steep Slope)

Cameron Canyon Specific Plan (CCSP) Map Code Designation:

8.2/2.5 (Resource Reserve – Flood Hazard)
8.4/2.4 (Mineral and Petroleum – Steep Slope)
8.4/2.6 (Mineral and Petroleum – Erosion Hazard)



Table 2: Proposed Project Site and Surrounding Land Uses

Location	Existing Land Use
Project Site	Industrial (mineral resource extraction, cement manufacturing and shipping), Renewable Energy Generation (wind), Vacant Land. Bisected by Tehachapi Willow Springs Road
North	Oak Creek Road, Renewable Energy Generation (wind), Vacant Land
South	Renewable Energy Generation (wind), Vacant Land
East	Renewable Energy Generation (wind and solar), Vacant Land
West	Renewable Energy Generation (wind), Vacant Land

1.2.1 CEQA Baseline Conditions

California authorities provide that while the existing physical conditions at the time of environmental review normally constitute the baseline, the key consideration in selecting a baseline is whether the chosen baseline provides an accurate picture of the project's impacts. [14 Cal. Code Regs., § 15125(a)(1); *Neighbors for Smart Rail v. Exposition Metro Line Constr. Auth.* (2013) 57 Cal.4th 439, 447.] Thus, courts have endorsed various other baselines as proper, including a baseline that averages past operations as well as a baseline constituting future conditions, so long as they are not misleading or without informational value. [See e.g., *Neighbors for Smart Rail, supra*, at 445; *Communities for a Better Environment v. South Coast Air Quality Management Dist.* (2010) 48 Cal.4th 310, 328; *San Joaquin Raptor Rescue Center v. County of Merced* (2007) 149 Cal.App.4th 645, 650.]

CalPortland's mining activities at the Mojave Mine are allowed as-of-right as vested mining rights. Thus, the project CEQA analyses must evaluate the project against an environmental setting baseline that recognizes the ongoing and continuous mining, processing, reclamation, and cement production operations at the vested Mojave Mine.

1.3 Legal Nonconforming Vested Use

Operation of the existing limestone and construction materials mining, processing, and cement production facility commenced in 1954 before the enactment of applicable Kern County use permit requirements and prior to enactment of the California Surface Mining and Reclamation Act (SMARA) in 1975. In accordance with SMARA, the County approved a reclamation plan for the facility in 1979 which prescribes reclamation requirements covering approximately 1,542 acres of lands within the project site including mined areas and areas associated with the cement plant. On March 15, 2021, the County determined that mining and processing activities are a legal nonconforming (vested) use on approximately 6,658 acres of land owned by the project proponent, inclusive of the 1,542 acres covered by the 1979 reclamation plan.

Because the mining and processing operations are legal nonconforming vested uses, mining and processing operations within the vested area would not require a discretionary use permit to authorize recovery of the minerals themselves, or to continue operation of the mineral processing or cement production facilities. Therefore, the proposed project is the County's review and approval of a reclamation plan amendment for the 4,367 acres of the vested facility encompassing existing and continued future mining and cement production operations. The proposed project would provide for reclamation of areas of existing and continued mining and would provide for reclamation of the existing cement plant and related components upon the future cessation of mining and cement plant operation.



The proposed project would not involve changes to the existing vested operations, production levels, mining systems or processes, or throughput of the cement plant. Proposed reclamation activities and reclaimed site conditions would be achieved following the cessation of continued mining and cement plant operations. The project proponent anticipates that mining at the site will be completed in approximately the year 2222, and that final reclamation activities would require approximately two years for completion in the year 2224, followed by approximately three additional years of revegetation monitoring, with final site reclamation completed in the year 2227.

Thus, vested and continuing mining activities such as drilling, blasting, material recovery, material movement (with the exception of material movement pertaining to reclamation, e.g. redistribution of stockpiled growth media to aid in revegetation efforts), processing, cement production, and material transport for sale are not subject to discretionary approval by the County and are not part of the proposed project. Rather, the proposed project consists of reclamation activities within the 4,367-acre project site such as recontouring, stabilizing, revegetation, and monitoring of final slopes and disturbed mining areas; reclamation of roads and ancillary equipment and facilities; and removal of the processing and cement plant facilities. Although some reclamation activities are and would continue to be performed concurrent with ongoing mining and processing, reclamation activities for final site reclamation would occur after the completion of mining and processing operations.

1.4 Proposed Project

1.4.1 Project Summary

As discussed in more detail in the following sections, the project proponent is requesting the following discretionary action from Kern County:

- (a) approval of CUP No. 21, Map 197 and CUP No. 46, Map 198 authorizing a reclamation plan amendment for the Mojave Mine that would supersede the existing 1979 reclamation plan and would provide for reclamation of up to 4,367 acres of mined vested lands in accordance with the Surface Mining and Reclamation Act (SMARA) of 1975.

The project proponent proposes to continue to develop its limestone and construction materials resources within the existing vested properties and to increase the life of the mine by approximately 200 years to meet and maintain the market quality and quantity requirements by utilizing additional material reserves to continue cement and construction materials production. Reclamation of continued operations requires the County's approval of the proposed project which would amend the existing 1979 reclamation plan through approval of a reclamation plan applicable to approximately 4,367 acres of the vested properties. The proposed reclamation plan encompasses the 1,542 acres currently subject to the 1979 reclamation plan and would add an additional approximately 2,825 acres to the reclamation plan boundary for a total of 4,367 acres. Approximately 2,291 acres of the vested properties would not be encompassed by the proposed reclamation plan amendment. The proposed reclamation plan covers existing and continued mining areas, storage areas, overburden/interburden placement areas, material processing and cement manufacturing areas.

Although the proposed project involves the County's approval of a reclamation plan amendment, the ongoing and continued site operations are relevant for establishing baseline conditions associated with the County's analysis of the proposed project. Thus, existing and continued operations at the project site are discussed herein.

The proposed project would not involve changes to the existing vested mining operations including, for example, production levels, mining systems or processes, and ultimate throughput from the cement plant.



The project proponent anticipates that operations will continue at the same production levels as currently exist following approval of the proposed project, subject to market demand.

Continued mining would continue within the vested properties consistent with the proposed reclamation plan. Mining will result in six mine pits (designated Pit A through Pit F), two of which (Pits E and F) would be backfilled as part of the mining process. Mining would also result in the development of twelve construction material and interburden/overburden stockpiles as identified and labeled on the attached *Figure 7: Proposed Final Reclaimed Conditions (Full Site)* within the reclamation plan boundary that would remain following reclamation. Additionally, two growth media stockpiles would also be developed during mining using material salvaged during mining and temporarily stored for distribution to aid in revegetation efforts during reclamation.

As with existing operations, continued activities could involve certain concurrent reclamation-related activities; however, the majority of site reclamation as prescribed in the proposed project's reclamation plan would occur once mining is completed. The project proponent anticipates mining for approximately 200 years (concluding in approximately the year 2222) after which final reclamation would commence.

The amount of mined material and cement production associated with the existing operation fluctuates annually based on market demand and other factors. Annual extraction and production rates during the 5-year period 2016 to 2020 are shown in *Table 3: Mojave Mine Production (2016 – 2020)*. Annual limestone production has been as high as 2.3 million tons (year 2005) and cement production as high as more than 1.6 million tons (year 2018). Data submitted by the project proponent indicates that when accounting for removal of topsoil and overburden and the removal of fines during processing, operations have handled in excess of approximately 6 million tons of material in a single year.

Table 3: Mojave Mine Production 2016 – 2020

Year	Limestone (tons)	Overburden and Construction Material (tons)	Cement Production (tons)
2016	1,685,692	2,119,885	1,328,776
2017	2,012,005	2,553,149	1,589,630
2018	1,954,089	2,754,684	1,612,637
2019	1,994,127	2,106,646	1,475,620
2020	2,012,741	1,497,759	1,593,146
Annual Average for 5-Year Period	1,931,731	2,206,425	1,519,962
Source: Table 5-3, Baseline Mine Production, of “Mojave Life of Mine Reclamation Plan Amendment Project Description” (Sespe Consulting, 2023)			

Upon cessation of mining activities, the proposed reclamation plan provides for most of the disturbed acreage within the reclamation plan boundary to be reclaimed and revegetated with native species and reclaimed to open space. Proposed reclamation includes recontouring, stabilizing, revegetation, and monitoring of most final slopes and disturbed mining and stockpile areas (e.g. benches/pit highwalls, portions of pit highwalls and pit bottoms inundated by water, as described in the reclamation plan); reclamation of roads not required for post-reclamation access and security; removal of ancillary equipment and facilities; and removal of the processing and cement plants and all cement plant related facilities. The proposed reclamation plan does not include removal of any rail facilities outside the Reclamation Plan boundary, nor the removal of any wind turbines.



The proposed reclamation plan provides a detailed discussion of the anticipated mining and proposed reclamation for the site. *Figure 7: Proposed Final Reclaimed Conditions (Full Site)*, provides a bird's-eye-view illustration of the reclaimed site conditions. *Figure 8: Proposed Reclamation Cross-Sections (A-F)*, *Figure 9: Proposed Reclamation Cross-Sections (G-K)*, and *Figure 10: Proposed Reclamation Cross-Sections (L-O)* provide cross-section illustrations of reclaimed site conditions. *Figure 11: Proposed Maximum Extent of Excavation* illustrates proposed maximum extent of pit excavation, and final stockpile configuration.

Final reclaimed slopes for mine pits A through D would range from 37.5 degrees (1.305H:1V) to 45 degrees (1H:1V) varying based on slope height, underlying material, and other factors as determined through a slope stability analysis presented with the proposed reclamation plan and are designed to achieve factors of safety at, or in excess of, 1.5 under static conditions and 1.1 under pseudo-static conditions. Mine pits E and F are planned to be backfilled as part of mining operations.

The twelve permanent stockpiles are planned to have overall slope inclination of 1.75H:1V (29.7 degrees). Slope stability analysis of the stockpiles determined that proposed final overburden stockpile fill slopes would achieve factors of safety at, or in excess of, 1.7 under static conditions and 1.1 under pseudo-static conditions with overall slopes no steeper than 1.75H:1V, overall heights of 830 ft or less, and with tops of stockpiles near horizontal and with a minimum 50-foot offset between the toe of slope and crest of any adjacent pit.

The existing operation is staffed twenty-four hours a day, seven days a week. Temporary lighting is used for the nighttime operations, as needed, and the remaining facilities are sufficiently illuminated so that any event may be observed during hours of darkness. Reclamation activities would occur primarily during daylight hours. However, there is a potential that some reclamation activities may occur during dusk or nighttime hours. Although not anticipated, if outdoor reclamation activities occur during the time of year when daylight hours are shorter, or during any nighttime hours, some lighting may be required to provide a safe working environment. If nighttime lighting is utilized, it shall comply with Section 19.81 (Outdoor Lighting – Dark Skies) of the Kern County Zoning Ordinance.

The existing operation maintains approximately 21 employees and typically has 16 employees within the vested mine site at a time. The project proponent estimates that maximum reclamation operations would result in an additional 24 employees for reclamation activities (hydroseeding, slope preparation / grading, monitoring, demolition, and salvage). The demolition crew would demolish the stationary human-made items onsite required to be removed by the Reclamation Plan, then the Salvage Crew would sort the material comprising those items into two categories (waste and recyclables) and transport the materials to appropriately permitted facilities for disposal/recycling as applicable.

Public access to the site would be restricted with perimeter fencing, locked gates, and boulders, as needed. As needed, the gates would have signs reading, "No Trespassing." Perimeter fencing and gates may be installed to restrict access to foot traffic and motor vehicles from the public roads, and would remain in place during mining and reclamation activities as needed.

Table 4: Summary Comparison of Existing and Proposed Reclamation provides a summary comparison of the existing approved reclamation plan and proposed changes under the proposed project.



Table 4: Summary Comparison of Existing and Proposed Reclamation

Component	Existing	Proposed Project
Mineral Production (vested)	Limestone and construction materials.	No change.
Annual Average Limestone Production for 5-year period 2016-2020	1,931,731 tons (fluctuates per market demand)	No change.
Annual Average Overburden Production for 5-year period 2016-2020	2,206,425 tons (fluctuates per market demand)	No change.
Annual Average Total Mine Production for 5-year period 2016-2020 (sum of above)	4,138,156 tons (fluctuates per market demand)	No change.
Cement Plant Production (annual average for 5-year period 2016-2020)	1,519,692 tons (fluctuates per market demand)	No change.
Mining Pits/Stockpile Areas	Unspecified	Approximately 2,650 acres
Maximum Disturbed Area to be Reclaimed	Up to approximately 1,542 acres	Up to approximately 4,367 acres (includes above)
Total Reclamation Plan Area	Approximately 1,542 acres	Approximately 4,367 acres (includes above)
Mining Phases	Single phase	No change.
Mining Method	Drilling and blasting benches. Material is then loosened by an excavator and dozer and loaded onto haul trucks for transport to the processing and cement production facilities.	No change.
Anticipated Approximate Mining Depth [feet below ground surface (bgs); elevation above mean sea level (amsl) and maximum slope height]	390 to 690 feet bgs	Pit A: 1,223 feet bgs; 3,650 feet amsl; max. slope height: 1,650 feet Pit B: 1,090 feet bgs; 3,250 feet amsl; max. slope height: 825 feet Pit C: 530 feet bgs; 3,400 feet amsl; max. slope height: 875 feet Pit D: 370 feet bgs; 3,450 feet amsl; max. slope height: 310 feet Pit E: 1,465 feet bgs; 2,350 feet amsl; max. slope height: 1,600 feet* Pit F: 1,433 feet bgs; 2,850 feet amsl; max. slope height: 1,300 feet* <i>*Pits E and F are planned to be backfilled as part of mining operations, resulting in final elevations of less than 100 feet bgs.</i>



Table 4: Summary Comparison of Existing and Proposed Reclamation

Component	Existing	Proposed Project
Anticipated Maximum Height of Permanent Stockpiles (feet above ground surface and elevation above mean sea level [amsl])	Unspecified	Pile 1: 450 feet ; 4,790 feet amsl Pile 2B: 830 feet; 4,950 feet amsl Pile 2A: 500 feet; 5,200 feet amsl Pile 3: 370 feet; 4,200 feet amsl Pile 4: 570 feet; 4,350 feet amsl Pile 5: 440 feet; 4,000 feet amsl Pile 6: 290 feet; 3,900 feet amsl Pile 7: 400 feet; 4,100 feet amsl Pile 8: 500 feet; 4,550 feet amsl Pile 9A: 450 feet; 4,500 feet amsl Pile 9B: 420 feet; 4,500 feet amsl Pile 10: 730 feet; 4,600 feet amsl
Final Slopes	1H:1V (horizontal to vertical). In areas where the natural slope is flatter than 1H:1V, the outermost 20-feet of excavation shall be finished to a 2H:1V slope or to the natural slope, whichever is flatter. Overburden/interburden piles shall have an angle of natural repose of 35 to 37 degrees. Cement Kiln Dust (CKD) tailings shall be established at a maximum 3:1 slope.	Final Stockpiles: 1.75H:1V with 15-foot benches at 50-foot vertical intervals. Final Pit Slopes: Each final slope has its own slope angles and factor of safety as analyzed in the Slope Stability Assessment as necessary to achieve factors of safety at or in excess of 1.5 static and 1.1 pseudo-static.
Estimated Live of Operations and Mining Termination Date	50 years from 1979 reclamation plan approval; at least until the year 2028.	200 years from present, completed in approximately year 2222.
Estimated Reclamation Completion Date	Unspecified.	2224 (approximately two years from termination of mining)
Estimated Monitoring Completion Date	Unspecified.	Year 2227 (approximately five years from termination of mining)
Revegetation	No planned resoiling or revegetation of mined areas in anticipation of natural propagation. If within 3-5 years natural propagation has not achieved vegetation similar to surrounding areas, areas will be reseeded with native and/or exotic grasses. Tree screens to be planted around waste kiln material dumps.	Restore native creosote bush scrub plant community. Seeds distributed by imprinting, or hand cast as needed, during the rainy season (October 1 through January 30). No permanent irrigation is proposed as part of final reclamation. Recontour planting areas (if needed), control of invasive weeds, placement of topsoil and subsoil, install temporary irrigation systems (if needed), install erosion control devices, planting/seeding, maintenance, monitoring, and reporting pursuant to revegetation plan.



Table 4: Summary Comparison of Existing and Proposed Reclamation

Component	Existing	Proposed Project
Vehicular Access (mining and reclamation)	Access road connecting with Oak Creek Road	Access road connecting with Oak Creek Road for portion of project site east of Tehachapi Willow Springs Road. Access from Tehachapi Willow Springs Road for areas to the west of Tehachapi Willow Springs Road.
End Use	Efforts anticipated to be directed toward availability for heavy manufacturing in disturbed areas and recreational uses in the undisturbed areas.	Open Space

1.4.2 Mining and Operations

As with existing operations, continued mining will continue to involve drilling and blasting, developing mine pits with benched slopes. The geologic conditions within the project site include limestone, shale, granite, clay, dolomite, sandy clays and high alumina materials, all of which are required in the manufacturing process. The manufacture of Portland cement requires the processing of all raw materials mined in various chemical combinations, and continued mining will allow for access of various materials among the six planned mine pits. Therefore, mining may be performed at various times in one or any combination of each of the planned mine pits throughout the life of mine.

Table 5: Continued Surface Disturbance and Estimated Limestone and Overburden Production lists the surface area, reserves, overburden quantities, annual production range, and proposed duration of operations.

Table 5: Continued Surface Disturbance and Estimated Limestone and Overburden Production

Component	Quantity
Proposed Reclamation Plan Amendment total acreage	4,367 acres
Anticipated Total Pit Boundary Area, i.e. the sum of the pit boundary area of the six proposed pits, Pit A through Pit F (included in total reclamation plan acreage)	1,334 acres
Anticipated Total Stockpile Boundary Area, i.e., the sum of the stockpile boundary area of the proposed stockpiles (included in the total reclamation plan acreage)	1,275
Estimated Maximum Total Commodity Production (life of mine)	1.009 billion tons
Estimated Limestone Excavated ¹ (200 years)	386 million tons
Estimated Limestone Excavated (annual average)	1.93 million tons per year
Estimated Overburden ¹ (200 years)	382 million tons
Estimated Overburden (annual)	1.91 million tons per year
Anticipate Reclamation Term	200 years

Source: Table 2-2 of “Mojave Life of Mine Reclamation Plan Amendment” (CalPortland, June 2023)

Notes:

1. Ore (limestone) and overburden quantities for life of mine do not include past production.



1.4.2.1 Quarry Operations

The estimated surface mining area of the pits is approximately 1,334 acres of the total 6,658-acre vested area. The six mine pits would be mined to a maximum depth of approximately 310 feet below ground surface (bgs) (Pit D) to 1,465 feet bgs (Pit E) (planned depths of each mine pit are listed in Table 4, above).

Mine pits would be excavated utilizing conventional open pit methods and would involve drilling and blasting benches. Planned final pit slope design is informed with slope stability analysis prepared for the mine plan and considers achievable bench designs, inter-ramp slopes, and overall slopes. The analysis identified maximum slope angles for various overall pit slope heights to achieve the target factor of safety (FOS) at the cessation of mining (i.e., closure conditions). Maximum slope angles are specific to each pit based on the results of the site-specific seismic hazard analysis. Slope design requirements for Pits A, B, C, and D are based on the highest peak ground acceleration (PGA) for the cumulative area. Pits E and F are planned to be backfilled to near surface grade during mining operations, therefore, slope stability analysis for final slopes of these pits is not applicable to final reclaimed conditions. *Table 7: Mine Pits A through D Planned Final Slope Design Angles* presents the recommendations of the slope stability analysis. Pits E and F are not referenced in *Table 6*, as those pits are proposed to be backfilled approximately to grade upon final reclamation.

Table 6: Mine Pits A through D Planned Final Slope Design Angles

Slope Height	Maximum Slope Angle	Factor of Safety (Static)	Factor of Safety (Seismic)
1,500 – 1,675 feet	37.5°	1.56	1.10
1,400 – 1,500 feet	39°	1.56	1.11
1,300 – 1,400 feet	40°	1.56	1.11
1,200 – 1,300 feet	41.5°	1.54	1.10
1,100 – 1,200 feet	42.5°	1.54	1.11
1,000 – 1,100 feet	44°	1.53	1.10
0 – 1,000 feet	45°	1.54	1.11

Source: *Table – Pit Slope Design Angles*. Application for Surface Mining Permit and Reclamation Plan (Form 520) for CalPortland Company – Mojave Mine (Project), CA Mine ID #91-15-0032.

Due to the nature of the reserve deposit, blasting is necessary and conducted for existing mining operations. Blasting will continue to occur during continued operations, typically two times per day during daylight hours, for 4 to 6 days per week. Explosives are currently stored within the project site and there are currently no proposed changes to the existing onsite explosives storage facilities. Blasting and explosives storage at the current locations or any future locations will continue to be done in accordance with all local, state, and federal requirements.

Blasting operations involve drilling along the mining face, placement, and detonation of charges by a blaster licensed through the Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF) for handling explosive materials. The transporting, handling, storage, and use of explosive materials, blasting agents, and blasting equipment will continue to be supervised by a qualified and licensed blasting contractor. The blasting contractor and the explosive delivery company are and will continue to be properly trained and licensed in accordance with all Federal, State, and local regulations and would provide evidence of compliance with the California blasting license program, U.S. Department of Transportation hazardous materials (HAZMAT) Certificate of Registration, California HAZMAT Transportation License, and general liability insurance for explosive transportation. Drilling is and will continue to be conducted as part of mining operations approximately 365 days/year, up to 7 days a week, 24 hours/day with depths of 60 feet. Blasting



is and will continue to be conducted as part of mining operations; typically, two times per day during daylight hours, repeating 4 to 6 times per week.

Excavated material is and will continue to be crushed prior to being transported via truck or conveyor to the existing onsite processing and cement plant(s). A portable crusher is and will continue to be typically utilized in the quarry site as needed to produce construction materials during daylight hours, up to 10 hours per day up to 7 days per week. Hauling of materials between mine pits, and the processing plant, cement plant or overburden stockpiles, is and will continue to be undertaken daily at any time day or night throughout a 24-hour period.

Existing and continued operations will continue to utilize approximately 21 employees and typically have 16 employees within the vested mine site at a given time. The operation is staffed 24 hours a day, 7 days a week. Although not a part of the proposed project, additional employees are employed within the boundaries of the vested mine site (i.e. at the cement plant and adjacent office building); consisting of approximately 150 such employees, of which there are typically 100 such employees onsite at a given time. During times of maintenance there can be up to 300 personnel on site, including contractors.

1.4.2.2 Overburden and Growth Media Management

Mined overburden includes decomposed granite, shale, and limestone materials of insufficient quality for cement production. Overburden materials extracted during mining are generally planned to be stockpiled adjacent to mine pits as shown on Figure 7. Additionally, overburden is planned to be placed in mine pits E and F as permanent backfill as excavated during continued mining in mine pits A, B, C, and D.

During continued mining, suitable growth media (also referred to as topsoil) will be salvaged and stockpiled separately from overburden stockpiles, and is planned to be retained in two growth media stockpiles as shown on Figure 7. Growth media stockpiles are planned to be completely removed during final reclamation activities at the site as the growth media in these stockpiles is planned to be used for reclamation of the disturbed areas of the site.

1.4.2.3 Mobile Equipment and Vehicles

Existing operations utilize portable off-road equipment for daily mineral resource recovery operations. Equipment is repaired or replaced as needed. *Table 7: Equipment and Usage for Ongoing Operations* lists the equipment used for onsite excavation, processing, and transporting of materials and personnel within the site. *Table 8: Vehicles and Average Daily Trips for Ongoing Operations and Reclamation*, lists offsite vehicle trips and average daily trips associated with ongoing operations. Haul trucks and diesel equipment are required to comply with all applicable requirements of the California Air Resources Board's (CARB) off-road diesel vehicles regulation to reduce diesel pollutants.

Table 7: Equipment and Usage for Ongoing Operations

Equipment ¹	Typical Number	Purpose
Komatsu WA900 loader	1	Rubber-tired diesel-powered machine with a bucket attached to the front. The bucket can be used to dig material, transport, and load it into trucks or a hopper. Typically used to load haul trucks at the mine face.
CAT 992G loader	1	
CAT 992K loader	2	
CAT 777G 100 Ton Haul Truck	5	Used to transport aggregate from active mining areas to the aggregate processing plant and to stockpile areas.
CAT 770G Water Truck	1	Used to water the stockpile area and access roads for dust control and suppression.



Table 7: Equipment and Usage for Ongoing Operations

Equipment ¹	Typical Number	Purpose
CAT 14M Grader	1	Used for development and maintenance of onsite haul roads.
CAT D9T Dozer	1	Track-mounted diesel-powered machine with a blade in front and a ripper in back. The ripper is used to control the speed of the dozer, while the blade is used to push large quantities of material. Can be used for stripping, reclamation, and surge feed to shovels/loaders.
CAT 352F Excavator	1	Track-mounted diesel-powered machine similar to a large backhoe with an open-mouthed bucket attached to a hydraulically operated boom to excavate material. A rockbreaker attachment may also be used to excavate the material. Excavators are used to break down over-sized rocks.
CAT 246B Skidsteer	1	Loading and unloading of construction materials.
CAT MD6290 Drill	1	Drilling for blasting operations.
ATLAS Copco DM65 Drill	1	Drilling for blasting operations.
Kenworth Blend Truck	1	Blasting operations
Ford Pickup F-250 Crew Cab	2	Used by employees for onsite maintenance and administration purposes.
Ford Pickup F-350 Crew Cab	1	
Chevrolet Pickup Crew Cab	1	
Toyota Tacoma Crew Cab	1	

Source: Equipment type and typical number per Section 5.4.3, *Equipment*, of “Mojave Life of Mine Reclamation Plan Amendment” (CalPortland, June 2023)

Notes

1. Lists typical equipment anticipated for use, specific equipment may change during the life of the project due to replacement of aging equipment and updated equipment and fleet averaging requirements.

Table 8: Vehicles and Average Daily Trips for Reclamation

Reclamation Trips	Days/Year	Round Trips/Day	Round Trips/Year	One-Way Trips/Day	One-Way Trips/Year
Hydroseeding	300	5	1,500	10	3,000
Slope Preparation	150	5	750	10	1,500
Monitoring	150	2	300	4	600
Demolition Crew	300	6	1,800	12	3,600
Salvage Crew	300	6	1,800	12	3,600
Totals:		24	6,150	48	12,300

Source: “Mojave Life of Mine Reclamation Plan Amendment” (CalPortland, June 2023), Appendix B, response to Question 16.b.

1.4.2.4 Water Use and Supply

The project proposes to continue to use the same amount of water on an annual basis, with the four (4) existing wells (Big Meadow Well (5), Solar Well B-9 (2), Potable Well #6 (2), and Quarry Well R4-WE2) serving as the supply source. Quarry Well R4-WE2 is located within the project site approximately 2,500 feet north of the cement plant; Solar Well B-9 and Potable Well #6 are located outside of, but adjacent to, the northern boundary of the project site along Oak Creek Road (and approximately 430 feet from each



other); Big Meadow Well (5) is located approximately three miles west of the western boundary of the project site.

Table 9: Existing Operations Active Well Groundwater Production (April 30, 2017 – May 1, 2018) lists the production from the four active wells during the period of April 30, 2017, through May 1, 2018. As shown in the table, the wells produced approximately 244 acre-feet of water for site operations and this amount is considered representative of the annual consumptive use for ongoing operations.

Table 9: Existing Operations Active Well Groundwater Production (April 30, 2017 – May 1, 2018)

Well	Water Production (acre-feet)
Big Meadow Well (5)	156.1
Solar Well B-9	46.6
Potable Well #6 (2)	3.4
Quarry Well R4-WE2	38.1
Total Production	244.3

Source: Table 6-1 Summary of Water Level Well Costs of “CalPortland Company Water Supply Assessment for Mojave Mine Life Extension Project” (Provost & Pritchard Consulting Group, August 2018)

The water from the four wells which supply the project is used to support ongoing mining and reclamation activities, as well as for the production of cement. There are three additional existing wells that act as a standby/backup source: Solar Well B-2, Potable Well #5, and Quarry Well R4-WE1. These existing water wells would continue to serve the site, and no new onsite wells are proposed. While no new water sources would be required, the project proponent also maintains rights to the source water from the Tehachapi-Cummings County Water District (TCCWD) under an existing water supply agreement. The TCCWD agreement commits to supplement water needed beyond that quantity provided by the groundwater wells and surface water required for the Mojave Mine operations, if necessary.

Existing operations utilize a combination of plumbed restroom facilities with septic system(s), and portable toilets and handwashing or sanitization facilities for employee use. Wastewater treatment service is not proposed and continued operations would continue to use those facilities and no additional septic systems are proposed. Portable toilets and handwashing facilities utilize secondary containment (i.e., tray) and are regularly serviced by a local contractor, which transports the waste by truck to facilities authorized to dispose of such waste. These practices would continue under continued operations.

1.4.2.5 Dust Control

The project proponent maintains a Fugitive Dust Control Plan that specifies Sources of Fugitive Dust and Reasonably Available Control Measures (RACMs) for existing operations, as listed in *Table 10: Existing Operations Sources of Fugitive Dust and Reasonably Available Control Measures (RACMs)*. These dust control measures, or other alternative measures, are anticipated to continue to be implemented as necessary during ongoing and continued operations.



Table 10: Existing Operations Sources of Fugitive Dust and Reasonably Available Control Measures (RACMs)

Source of Fugitive Dust	RACM for Source
Quarry Haul Roads – Permanent, daily use, includes haul roads of active operations	• Speed limit of 35 mph in quarry areas (plant policy). • Apply water using truck as necessary to control dust. • Treatment with dust palliative, such as MgCl or equivalent, when necessary.
Quarry Haul Roads – Non-permanent, Intermittent use	• Speed limit of 35 mph in quarry areas (plant policy). • Apply water using truck as necessary to control dust.
Quarry Roads Unpaved, more than 25 vehicle trips per day	• Speed limit of 35 mph in quarry areas, 15 mph in plant (plant policy). • Apply water using water truck as necessary. • Treatment with palliative, such as MgCl or equivalent as necessary.
Quarry Blasting	• No applicable RACM. • Blasting exempt per Rule 402.
Quarry loading from shot rock piles	• Apply water to shot rock piles using water truck monitor as necessary. • Minimize material drop height when loading/unloading.
Quarry Drilling	• Drills equipped with water injection. Inject water as necessary to control dust.
Quarry Crushing – Truck dumping to crusher hopper	• Water sprays at dump hopper. Sprays activate automatically as truck dumps. Used as necessary for dust control.
Outdoor Raw Materials Stockpiles	• Apply water using water truck monitor or spray heads as necessary to control dust. • Minimize material drop height when loading/unloading.
Plant Roads – Unpaved, more than 25 vehicles trips per day	• Speed limit of 15 mph in plant areas (plant policy). • Apply water and/or dust palliative to control dust & graveled 1/2 mile of roads west of garage.
Plant Roads – Paved	• Speed limit of 15 mph in plant areas (plant policy). • Sweep or wash with water as appropriate.
Outdoor Clinker Stockpiles	• Cover clinker stockpiles with tarps when finished activity (PTO) condition. • Compaction of clinker stockpile. NESHAPs • Minimize material drop heights. • Cleanup clinker spills within 3 days.
High Wind Events	• Coal stockpile will be watered to control dust. • The water truck will operate continuously on haul roads. • No blasting will be done at the quarry. • All spilled material will be cleaned immediately.

Source: Sources of Fugitive Dust and Reasonably Available Control Measures (RACM) from Eastern Kern Air Pollution Control District Fugitive Dust Control Plan for Mojave Plant (undated) as provided in Appendix C of “Air Quality and Greenhouse Gas Assessment Mojave Life of Mine Reclamation Plan Amendment” (Trinity Consultants, November 2021).



1.4.2.6 Hazardous Materials and Waste

Refueling of off-road equipment (e.g., crawler drill, dozer, loader, grader, etc.) will primarily occur at the adjacent cement plant, with the remainder consisting of mobile refueling. However, in the event that a spill of hazardous or regulated material occurs, such as diesel fuel, measures would be undertaken to control and clean up the spill per the facility Spill Prevention Control and Countermeasure Plan (SPCC), and notifications will be made to the appropriate landowners as indicated in the facility SPCC. Site employees and/or onsite contractors currently, and will continue to, maintain spill kits on site for use in case of a spill.

The following existing best management practices (BMPs) and plans are implemented and will continue to be implemented during continued mining and proposed reclamation:

1. Handling of all blasting agents shall be limited to qualified and licensed blasting contractors at all times and stored only in approved containers, specifically designed for the safekeeping of explosives.
2. Any spillage of petroleum products, fuels, lubricants, or other chemicals shall be immediately cleaned up, and properly disposed of in strict accordance with all applicable local, state and federal regulations.
3. A current inventory of the types and quantities of potential contaminants, along with Safety Data Sheets, shall be maintained onsite by qualified personnel. Relevant storage, use, and clean-up information shall be included in the site's pollution prevention plans, including (but not limited to); the Spill Prevention, Control, and Countermeasures (SPCC) Plan, Hazardous Materials Business Plan (HMBP), and Storm water Pollution Prevention Plan (SWPPP).
4. All refuse generated within the proposed project boundary will be hauled to the cement plant and be disposed of in an enclosed container, then transferred to an authorized off-site landfill facility, consistent with all applicable regulations. No refuse will be left within the proposed Project boundary to negatively impact surface water quality.
5. Refueling of off-road equipment (crawler drill, dozer, loader, grader, etc.) will occur at the adjacent cement plant or via mobile fuel truck. Mobile refueling of off-road equipment within the mining area will be subject to the same BMPs and controls.

1.4.2.7 Site Access and Safety

The portion of the project site east of Tehachapi Willow Springs Road is accessed from an existing approximately 1-mile private access road that connects to Oak Creek Road approximately 3.5 miles east of Tehachapi Willow Springs Road. Access to the project site west of Tehachapi Willow Springs Road is via an existing access point along Tehachapi Willow Springs Road which bisects the southwestern portion of the site. Public access to the site would be restricted with perimeter fencing, locked gates, and boulders, as needed. As needed, the gates would have signs reading "No Trespassing." Perimeter fencing and gates may be installed to restrict access to foot traffic and motor vehicles from the public roads, and would remain in place during mining and reclamation activities as needed.

1.4.2.8 Erosion and Sedimentation Control

Erosion and sedimentation control would be implemented during planned mining operations and reclamation. Planned mining operations will develop sediment ponds, diversion ditches, and temporary sediment control BMPs to minimize erosion and sedimentation caused by mining operations. The final reclamation site configuration would establish 21 drainage basins delineated with diversion ditches constructed to direct runoff flows from stockpile areas to sediment ponds. Conceptual diversion ditch and



sediment pond designs would be verified prior to and during operations as contributing watersheds evolve during planned mining operations.

Storm water controls and BMPs will be maintained during ongoing mining operations in accordance with the facility's Storm Water Pollution Prevention Plan. The main storm water channels will be designed to safely pass the estimated 100-year peak flow with erosion control Best Management Practices (BMPs) designed for 20-year/1-hour intensity storm events per SMARA regulations. Peak flow for diversion channels will be estimated using the 100-year, 1-hour intensity storm event and the rational method, with 6-inch freeboard specifications included per the Kern County Hydrology Manual.

As part of reclamation, any of the overburden stockpile areas that will not drain to a sediment pond, diversion ditch, or mining pit due to the localized topography would employ the erosion and sediment control measures per the facility Storm Water Pollution Prevention Plan. In accordance with the Kern County Development Standards for drainage, sediment ponds are designed to retain the 10-year, 5-day runoff volumes and safely pass the estimated 100-year, 1-hour peak flow; and diversion ditches and channels will safely carry the 100-year, 1-hour peak flow. Sediment ponds developed during planned mining operations would remain in place for use in storm water management during reclamation and would naturally fill with sediment over time. Any excess materials which are not processed and sold as construction materials prior to final reclamation would remain in place, in the 12 proposed stockpiles proposed to remain upon final reclamation. Stockpiles and backfilled areas would be revegetated to provide soil stability.

1.4.3 Reclamation

Upon cessation of mining activities, the proposed reclamation plan defines areas within the reclamation plan boundary to be reclaimed and revegetated with native species and reclaimed to open space. Proposed reclamation includes recontouring, stabilizing, revegetation, and monitoring of final slopes and disturbed mining and stockpile areas; reclamation of roads not required for post-reclamation access and security, removal of ancillary equipment and facilities; and removal of the processing and cement plants and all cement plant related facilities. The proposed reclamation plan does not include removal of any rail facilities outside the Reclamation Plan boundary, nor the removal of any wind turbines.

1.4.3.1 Equipment Removal and Site Reclamation

Upon completion of site operations, existing onsite structures, including but not limited to the existing processing and cement plant and ancillary structures, would be dismantled and properly removed from the site during reclamation. Temporary structures, such as conveyor systems would be dismantled and removed during final reclamation. Onsite wind turbines would remain after reclamation is complete to provide renewable energy to the public power grid. No other temporary and/or permanent structures that would require specific removal and/or reclamation are found onsite.

All mobile equipment (e.g., loaders, dozers, scrapers, water truck, etc.) as well as any stored equipment (e.g. cargo containers, pumps, steel plates, pipes, wiring, tires etc.) would be removed upon the completion of reclamation activities. Any residual wastes (e.g., debris, revegetation materials) would also be removed and properly disposed of in accordance with applicable health and safety regulations and/or local ordinances.

Drill holes, water wells, or any surface openings other than the mining pits, within the proposed reclamation plan boundary, would be closed during reclamation in accordance with applicable requirements.



1.4.3.2 Quarry Reclamation

Quarry slopes would be contoured to their designed final slope angle as part of mining operations. Overall slope angles would be formed as a series of 45-degree inter-ramp slopes, haul roads, and step-ins as required. The maximum recommended slope angle for the pits is variable and dependent on slope heights ranging from 45- to 37.5-degree angles and 0-1,675-foot slope heights, as shown in Table 6. Haul road and step-in placements would be situated to reduce the overall slope angles to maximum slope angle as slope height requires, and to limit the maximum inter-ramp slope height to 1,000 feet in pits.

1.4.3.3 Overburden/Interburden Stockpiles Reclamation

Overburden/interburden would be placed as backfill in Pits E and F as part of mining operations during excavation of other pits. Overburden/interburden not placed as backfill would be placed in one of twelve permanent stockpiles as part of continuing mining operations, as shown on Figure 7.

Final stockpiles formed during final reclamation would have slope inclinations no steeper than 1.75H:1V (i.e., approximately 30 degrees) and be placed to a maximum height of 830 feet. Slope stability analysis of the overburden/interburden stockpiles assumed that the tops of stockpiles are near horizontal and that a minimum 50-foot offset is maintained between the toe of a stockpile and the crest of an adjacent pit. As part of reclamation activities, the stockpiles would be revegetated as this is a general SMARA requirement. The project proponent recognizes that final stockpile slopes would need to be constructed at an inclination that would allow for successful stockpile revegetation, which may be less than the maximum planned inclination of 1.75H:1V. In addition to access roads, benches (15-foot minimum) are recommended per a Slope Stability Assessment (Golder Associates, Inc., October 11, 2021) for the final stockpile slopes every 50 vertical feet to control erosion on the slope faces and allow for the efficient collection and management of stormwater on the stockpiles; CalPortland will implement the stockpile slope stability measures recommended by Golder. Temporary and permanent erosion and sediment controls would be installed as necessary to minimize erosion rates from the overburden/interburden stockpiles.

1.4.3.4 Revegetation

The proposed project would provide for revegetation of disturbed areas sufficient to meet performance standards identified in the proposed reclamation plan. The project proponent's stated goal of revegetation is to restore the native plant communities found onsite. The achievement of a successful revegetation program involves a number of steps. The steps include controlling access, removing sources of onsite human disturbance, reducing/eliminating non-native plant species, and reseeding with native plant species as necessary.

Seeds for revegetation would either be obtained from onsite collections or purchased from a third party, dependent on the cost effectiveness of collecting and storing as compared to purchasing commercial seed. The revegetation success would be assessed using performance standards provided in the proposed revegetation plan and summarized in *Table 11: Proposed Revegetation Performance Standards*. The preliminary seed mix proposed for reclamation is presented in *Table 12: Proposed Revegetation Plant Seed Mix*.

Revegetated areas would be monitored using qualitative and quantitative methods such as visually inspecting vegetation diversity and calculating percentage for cover and density. Biological qualitative monitoring would be performed on a quarterly basis during the first two years of revegetation efforts (reclamation years 1 and 2) and biannually during reclamation years 3 to 5 to track the success of the revegetation effort. Reporting would include implementation reports, monitoring report, and annual reports. The annual reports would provide a summation of reclamation/revegetation activities, results of monitoring, and performance standard assessments.



Table 11: Proposed Revegetation Performance Standards¹

Landform	Perennial Cover (%)	Species Diversity (Perennial) ²	Species Density
Rocky Slopes	14	6	18
Gently Sloping Terrain	24	7	28
Steep Terrain	22	6	28

Source: Table 5-2, *Revegetation Performance Standards*, of “Mojave Life of Mine Reclamation Plan Amendment” (CalPortland, June 2023)

Notes

1. Proposed performance standards based upon 45% of baseline cover, and 40% of baseline species density/diversity.
2. Native perennials per 50 square meters.

Table 12: Proposed Revegetation Plant Seed Mix

Common Name	Scientific Name	Application Rate (pounds of pure live seed per acre)
Burrobush	<i>Ambrosia dumosa</i>	0.50
Cheesebush	<i>Ambrosia salsola</i>	1.00
Fiddleneck	<i>Amsinckia tessellata</i>	0.25
Evening primrose	<i>Cammissonia californica</i>	0.25
Rigid spineflower	<i>Chorizanthe rigida</i>	0.25
Desert pincushion	<i>Chaenactis fremontii</i>	0.25
Sandaster	<i>Corethrogyne filaginifolia</i>	1.00
Rabbitbrush	<i>Ericameria nauseous</i>	1.00
Mormon tea	<i>Ephedra nevadensis</i>	2.00
Narrow leaf goldenbush	<i>Ericameria linearifolia</i>	0.75
Flat-topped buckwheat	<i>Eriogonum fasciculatum</i>	2.00
Spiny hopsage	<i>Grayia spinosa</i>	
matchweed	<i>Gutierrezia californica</i>	1.00
Thurber’s buckwheat	<i>Eriogonum thurberi</i>	0.50
California juniper	<i>Juniperus californica</i>	3.00
Creosote bush	<i>Larrea tridentata</i>	1.00
Desert beardtongue	<i>Penstemon incertus</i>	0.75
Antelope Bitterbrush	<i>Purshia tridentata</i>	1.00
Phacelia	<i>Phacelia distans</i>	0.25
Chia	<i>Salvia columbariae</i>	0.25
Desert needlegrass	<i>Stipia speciosa</i>	1.00
Cotton thorn	<i>Tetradymia spinosa</i>	1.00
TOTAL pounds per acre		20.00

Source: Table 5-5, *Preliminary Seed Mix*, of “Mojave Life of Mine Reclamation Plan Amendment” (CalPortland, June 2023)



Following completion of mining operations, the typical sequence of revegetation activities would be undertaken:

- Recontouring of planting areas, if necessary;
- Control of invasive weeds;
- Placement of topsoil and subsoil;
- Installation of temporary irrigation systems, if necessary;
- Installation of erosion control devices;
- Planting and seeding;
- Maintenance and monitoring; and
- Reporting.

Non-native invasive plants that have been categorized by the California Invasive Plant Council (Cal-IPC) as “High” (severe ecological impacts on physical processes, plant and animal communities, and vegetation structure) or “Moderate” (substantial and apparent—but generally not severe—ecological impacts on physical processes, plant and animal communities, and vegetation structure) in terms of ecological threat would be controlled as necessary within the revegetation areas for a minimum of three years in order to prevent aggressive weeds from out-competing native plant species for resources (e.g., space, water, nutrients, and light). These invasive weeds will be removed mechanically or by hand, if feasible. In circumstances where mechanical control is not effective, EPA-approved systemic herbicides may be used.

Revegetation test plots are proposed to be established to test the seeding methodologies on the topographic aspects of the mining area. The test plots would provide data to be used for assessing successful revegetation. Test plots would involve rocky slopes, gently sloping terrain, and steep terrain, and would involve various seeding methods, including seeding by hand, hydroseeding, and imprinting with and without mycorrhizal fungi.

1.5 Project Objectives

The project proponent has defined the following objectives for the proposed project:

- To amend the 1979 reclamation plan to include the reclamation of mineral recovery activities within portions of the vested facility.
- To comply with SMARA’s reclamation and financial assurance requirements for certain areas included in the vested facility that are not included in the 1979 reclamation plan.
- To allow the project proponent to continue reclamation of mineral recovery activities within portions of its vested facility so that the Company can continue to provide suitable quantities of quality feedstock for its existing cement plant in order to serve market demand.
- To allow the project proponent to efficiently manage overburden generated during mining operations.
- To make vested reserves and operational areas within the facility available, subject to State reclamation requirements under SMARA, to the project proponent.
- To provide for a source of suitable feedstock located as close as possible to the project proponent’s existing cement plant in order to avoid the impacts and costs of trucking feedstock long distances.
- To allow the project proponent to continue to provide local high-paying employment opportunities and other economic benefits to the community.



1.6 Proposed Discretionary Actions/Required Approvals

The Kern County Planning and Natural Resources Department as the CEQA Lead Agency (per CEQA Guidelines Section 15052) has discretionary responsibility for the Mojave Life of Mine Reclamation Plan Amendment Project by CalPortland Company. To implement this project, the project proponent may need to obtain the following permits/approvals, including but not be limited to:

- **Federal**
 - U.S. Fish and Wildlife Service (USFWS) approval of appropriate permits, if required
 - U.S. Army Corps of Engineers (USACE)
- **State**
 - State Water Resources Control Board (SWRCB)
 - National Pollution Discharge Elimination System (NPDES) Industrial General Permit
 - Spill Prevention Control and Countermeasures Plan
 - Lahontan Regional Water Quality Control Board (RWQCB)
 - Storm Water Pollution Prevention Plan
 - Waste Discharge Permit
 - California Department of Fish and Wildlife (CDFW)
 - Streambed Alteration Agreement
 - Incidental Take Permit
- **Local**
 - Kern County
 - Certification of an Environmental Impact Report
 - Adoption of 15091 Findings of Fact and, if required, 15093 Statement of Overriding Considerations
 - Adoption of Mitigation Measure Monitoring Program
 - Approval of Reclamation Plan Amendment
 - Approval of a Water Well Permit
 - Permit for Explosives (Sheriff's Office)
 - Eastern Kern Air Pollution Control District (EKAPCD)
 - Approval of Fugitive Dust Control Plan

The preceding actions/approvals are potentially required and do not necessarily represent a comprehensive list of all possible discretionary permits/approvals required. Other additional permits or approvals from responsible agencies may be required for the proposed project.

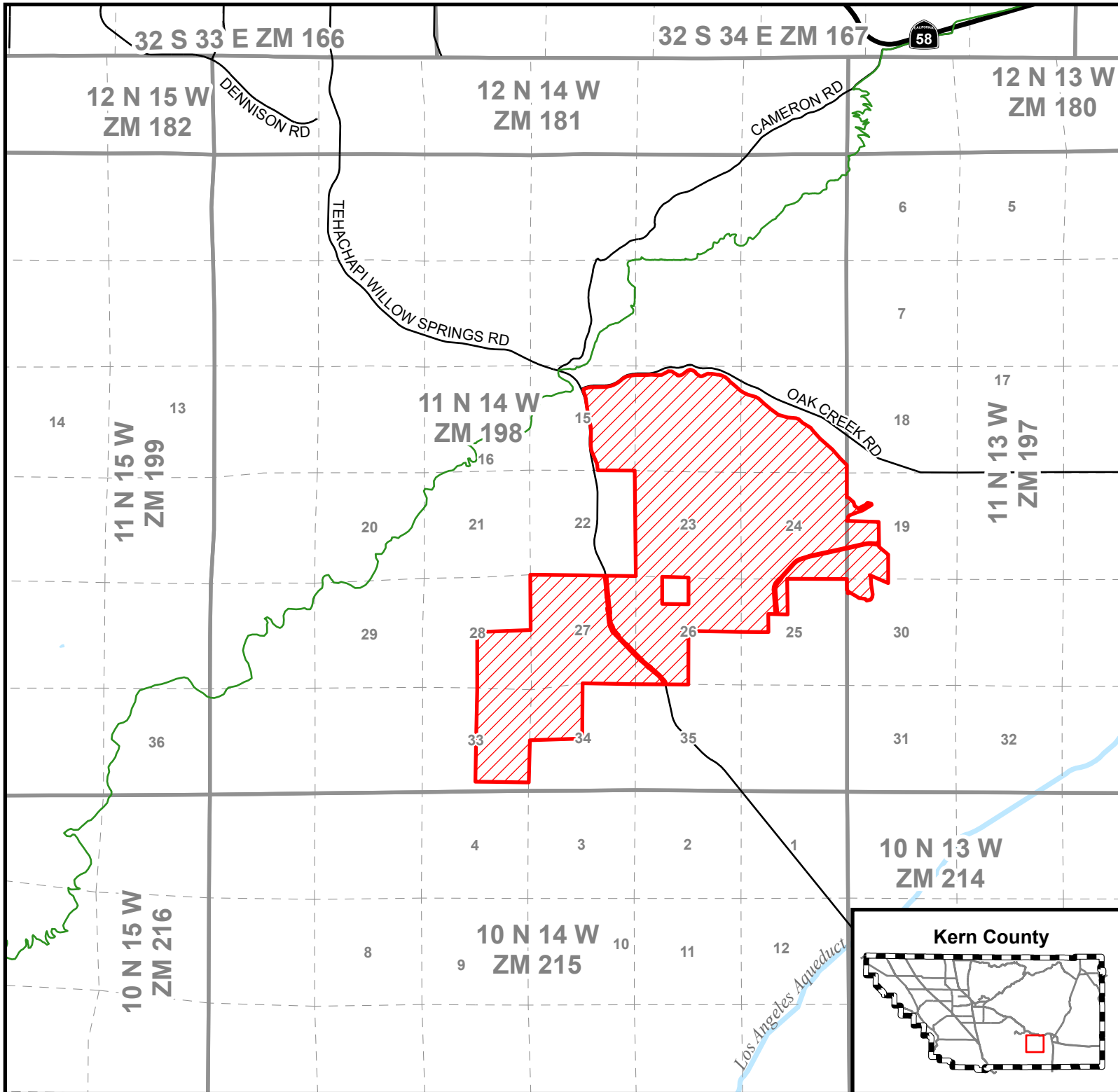


Figure 1: Site Vicinity

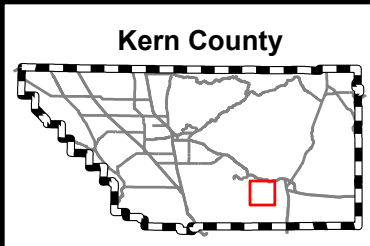
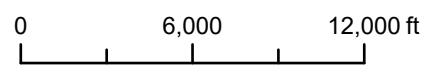
Mojave Life of Mine Reclamation Plan
Amendment Project
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198

CalPortland Company
by SESPE Consulting, Inc.

- Project Boundary
- Pacific Crest Trail
- STATE HWY
- Arterials
- Kern County Boundary
- Township/Range
- Sections
- Water Bodies
- Water Courses
- Unincorporated Cities

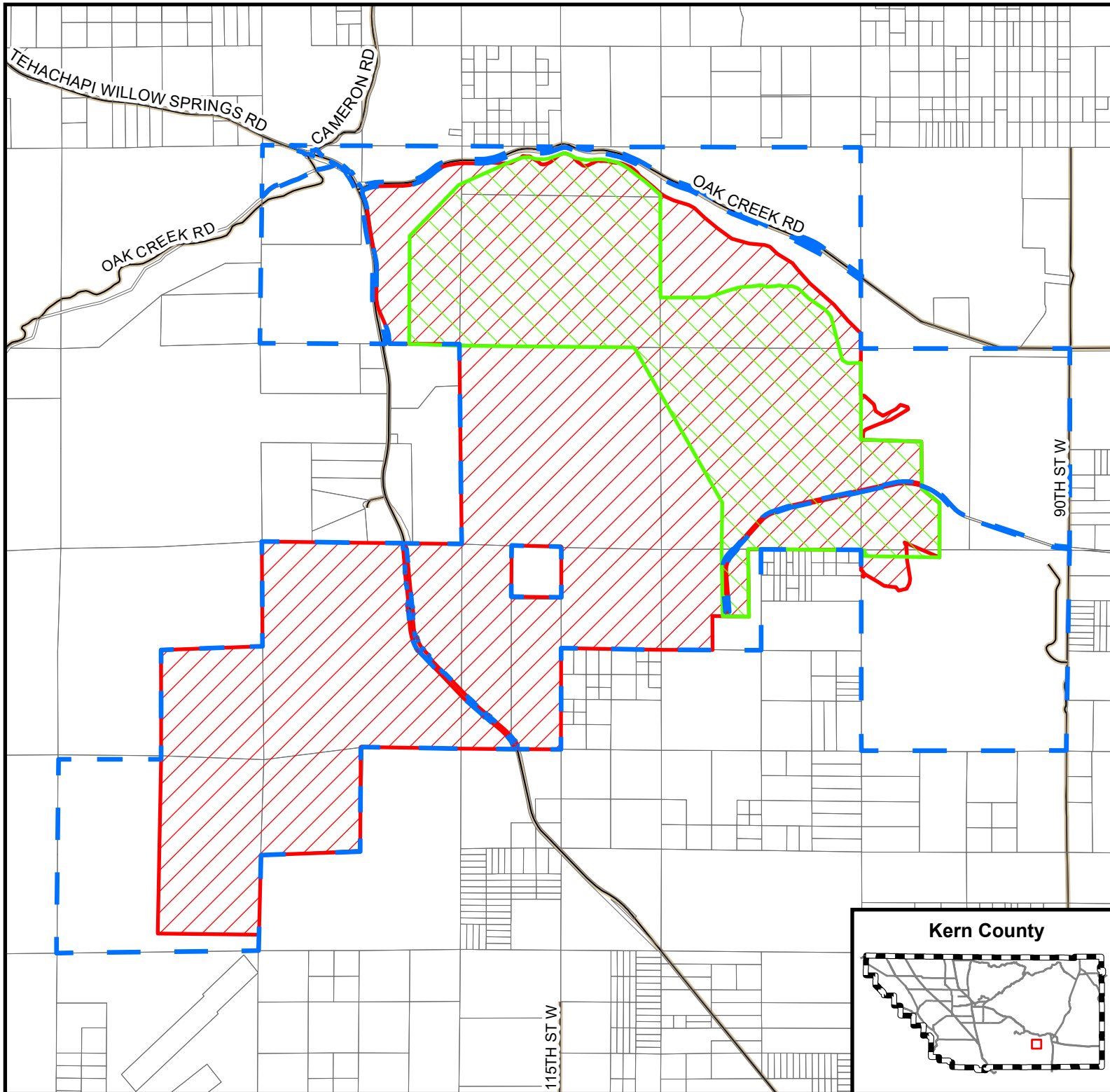
T11N/R14W - Sec. 13-15, 23-28, 33-34
T11N/R13W - Sec. 19, 30

Created on: 6/10/2024



Kern County
Planning & Natural
Resources Department





**Figure 2: Assessor's Parcels,
Existing Reclamation
Plan Boundaries,
Proposed Reclamation
Plan Boundaries,
& Vested Facility Boundaries**

**Mojave Life of Mine Reclamation Plan
Amendment Project
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198**

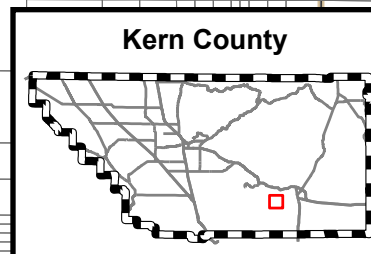
**CalPortland Company
by SESPE Consulting, Inc.**

- Vested Facility Boundary ~6,658 acres
- Existing Reclamation Plan Boundary ~1,542 acres
- Project Boundary, ~4,367 acres
- Parcel Boundaries
- Arterials
- Locals
- Dirt Roads

T11N/R14W - Sec. 13-15, 23-28, 33-34
T11N/R13W - Sec. 19, 30

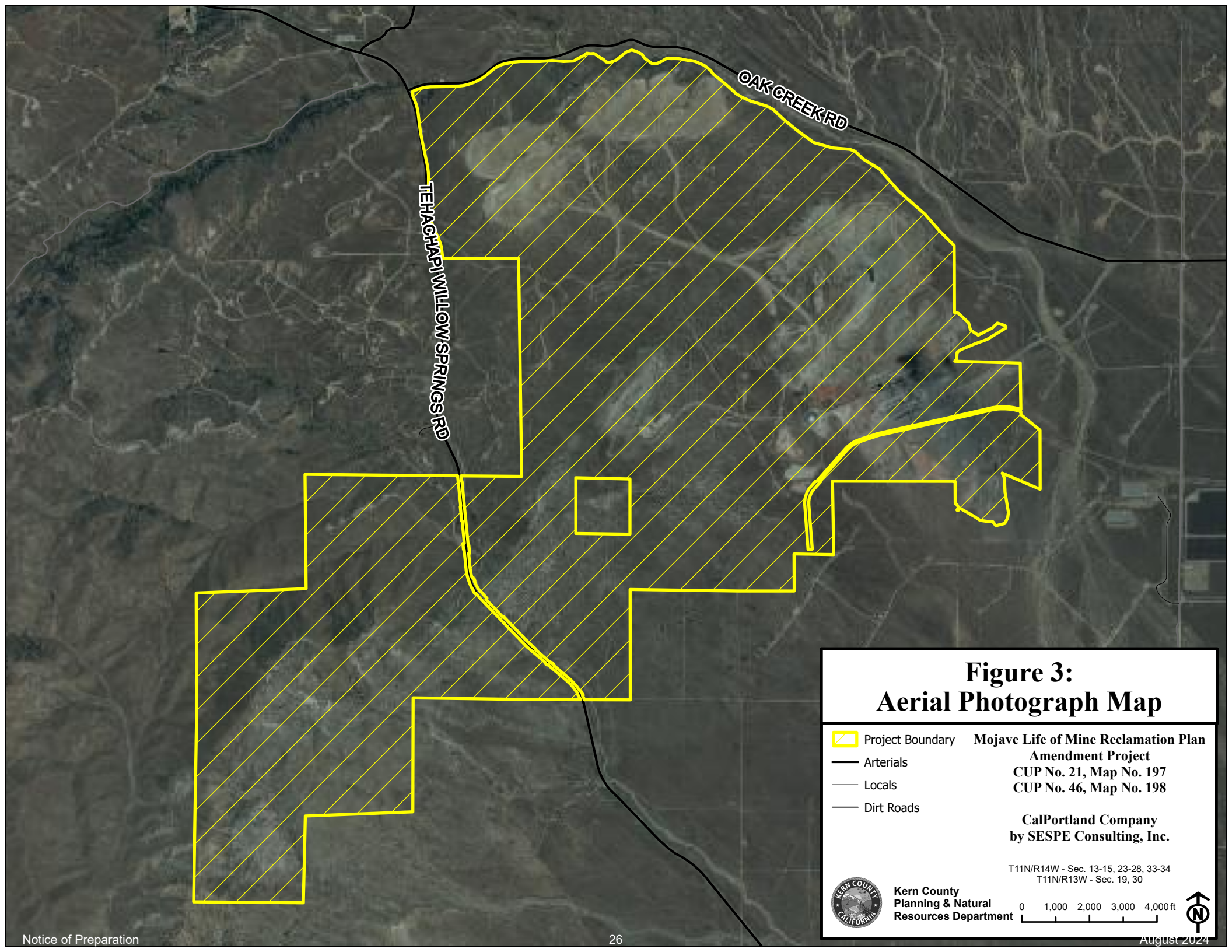
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0 3,000 6,000 ft



**Kern County
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**Figure 3:
Aerial Photograph Map**

-  Project Boundary
-  Arterials
-  Locals
-  Dirt Roads

**Mojave Life of Mine Reclamation Plan
Amendment Project
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198**

**CalPortland Company
by SESPE Consulting, Inc.**

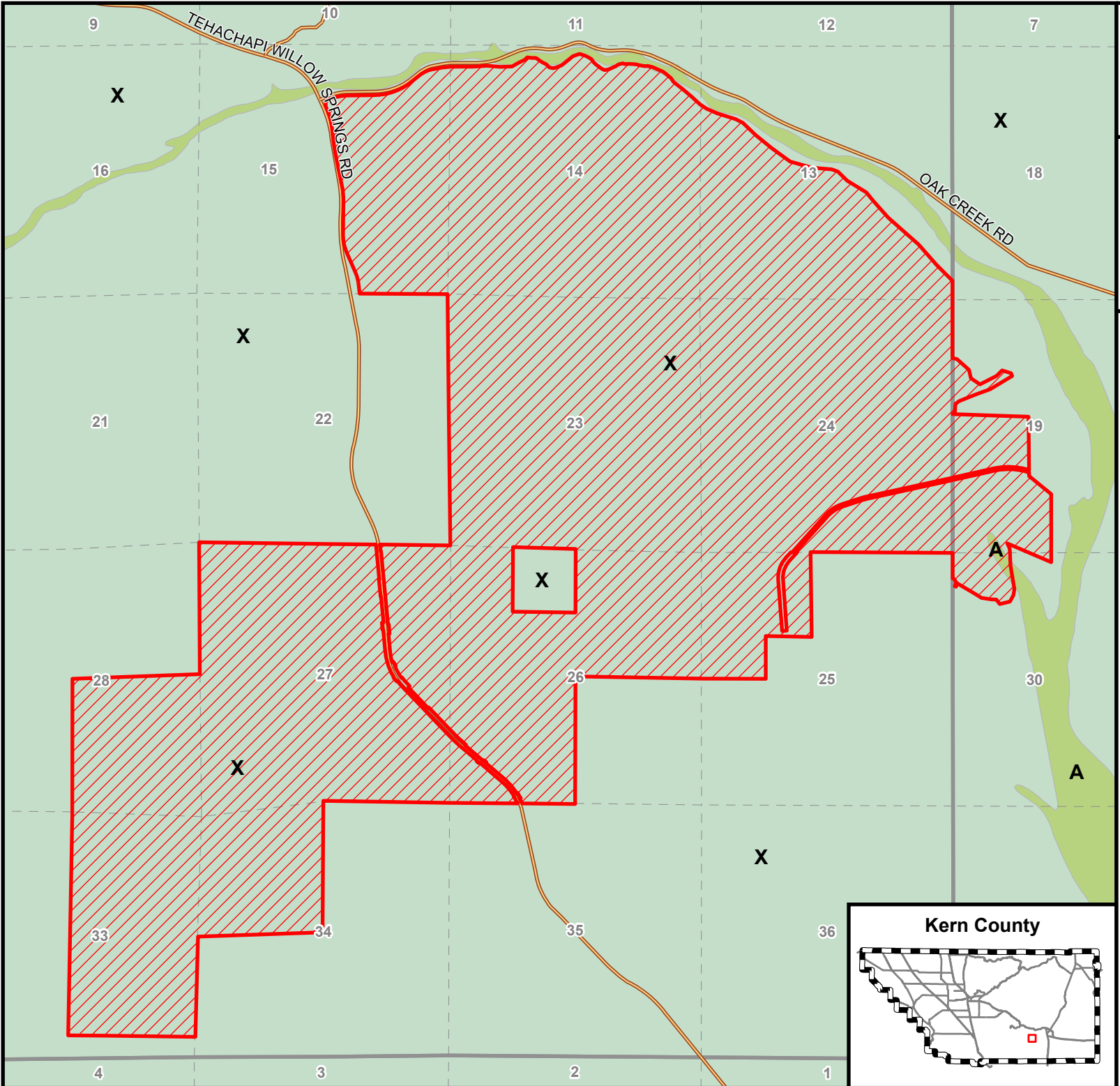
T11N/R14W - Sec. 13-15, 23-28, 33-34
T11N/R13W - Sec. 19, 30



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0 1,000 2,000 3,000 4,000 ft





**Figure 4:
Flood Hazard Map**

**Mojave Life of Mine Reclamation Plan
Amendment Project
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198**

**CalPortland Company
by SESPE Consulting, Inc.**

- Project Boundary**
- Arterials**
- A - No Base Flood Elevations Determined**
- X - Areas determined to be outside the 0.2% annual chance floodplain**

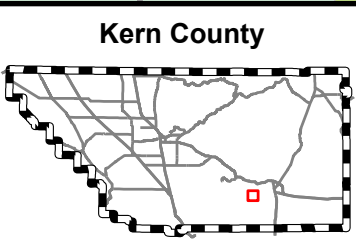
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T11N/R13W - Sec. 19, 30

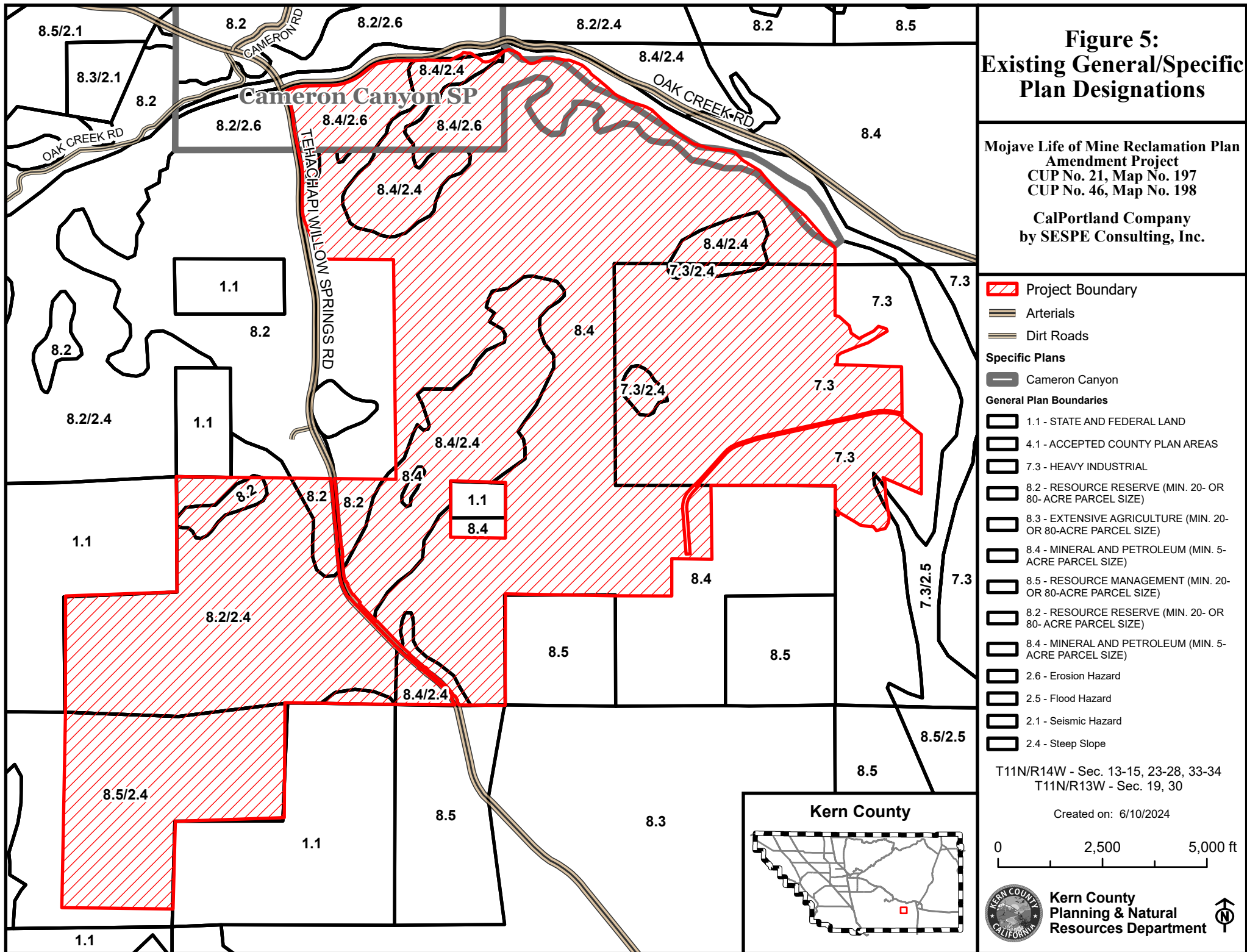
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0 1,000 2,000 3,000 4,000 Feet



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Resources Department**





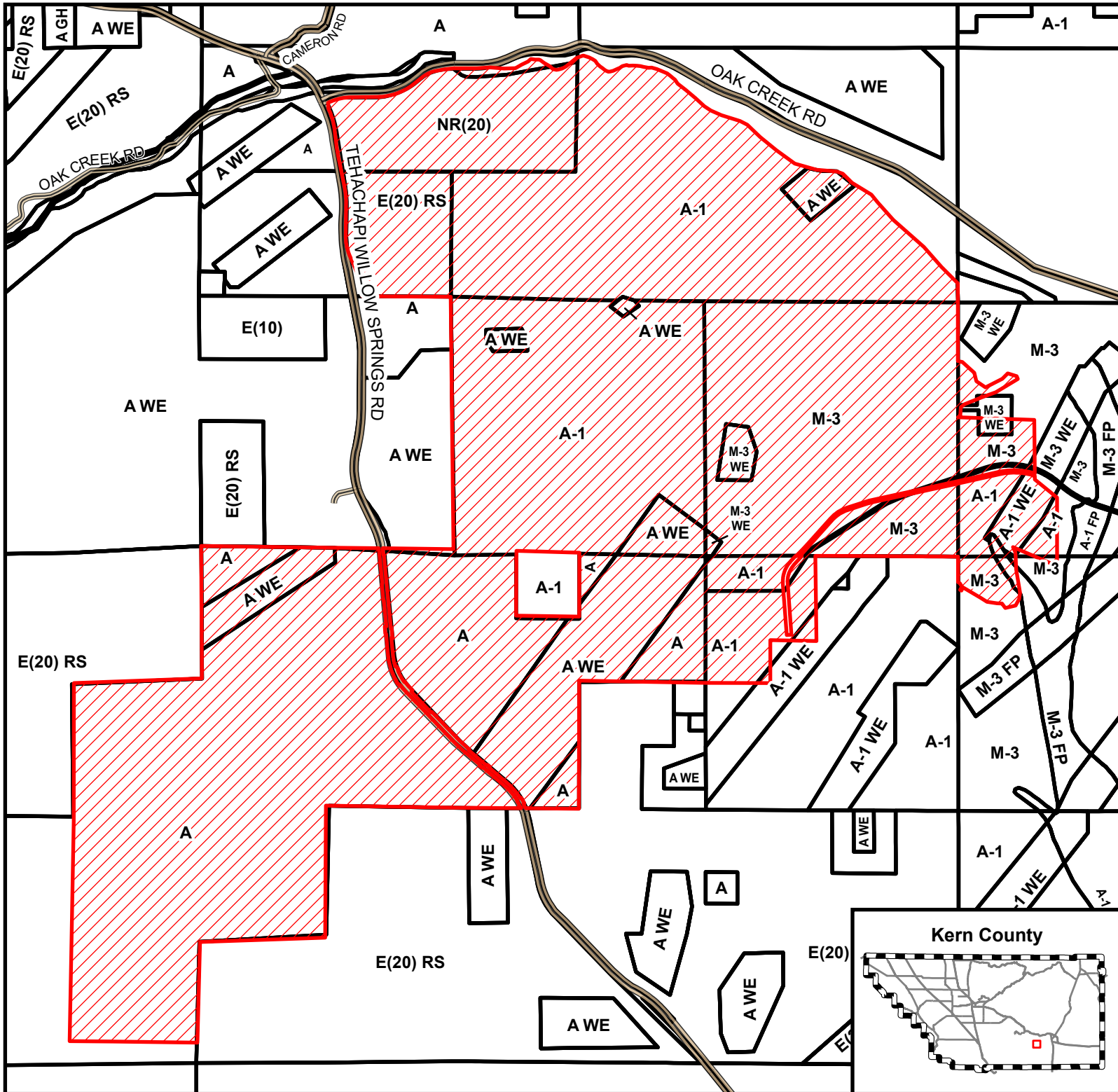


Figure 6: Existing Zone Classifications

Mojave Life of Mine Reclamation Plan
Amendment Project
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198

CalPortland Company
by SESPE Consulting, Inc.

Project Boundary

Arterials

Locals

Dirt Roads

KERN COUNTY ZONING DESIGNATIONS

A - Exclusive Agriculture

A-1 - Limited Agriculture

E(10) - Estate (10 acres)

E(2 1/2) - Estate (2.5 acres)

E(20) - Estate (20 acres)

FPP - Floodplain Primary

M-3 - Heavy Industrial

NR(20) - Natural Resource (20 acres)

PL - Platted Lands

RF - Recreation Forestry

FP - Floodplain Combining

GH - Geologic Hazard Combining

RS - Residential Suburban

Combining

WE - Wind Energy Combining

WE - Wind Energy Combining

T11N/R14W - Sec. 13-15, 23-28, 33-34

T11N/R13W - Sec. 19, 30

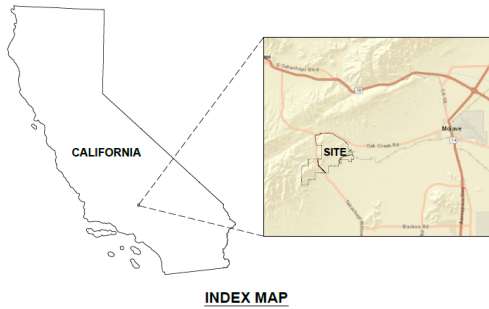
Created on: 6/10/2024

0 2,500 5,000 ft



**Kern County
Planning & Natural
Resources Department**





CALPORTLAND MOJAVE MINE CUP 2, MAP 197 & CUP 5, MAP 198 CALIFORNIA MINE ID 91-15-0032

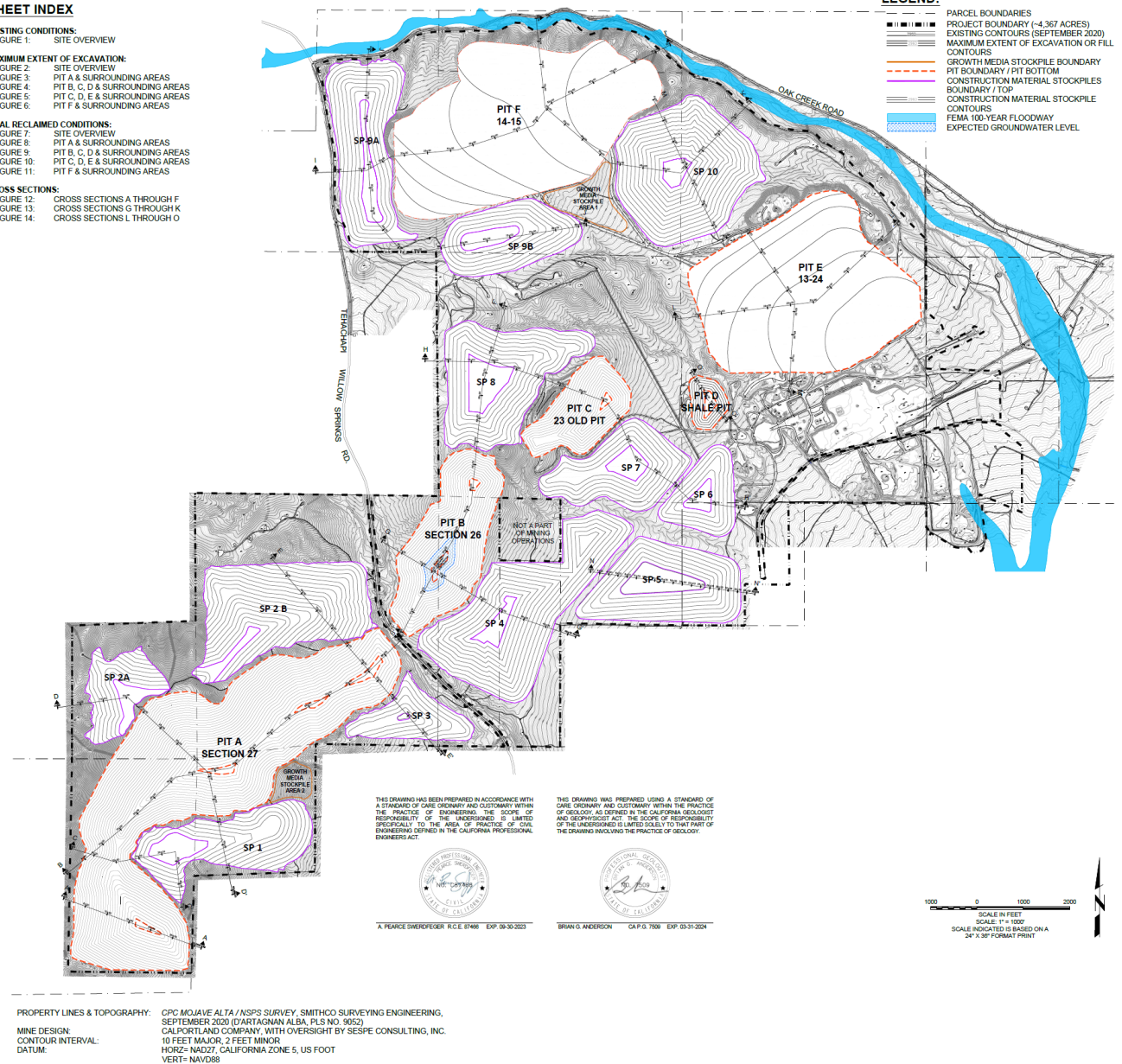
PROPOSED USE:	EXISTING AGGREGATE MINE AND PERMITTED PROCESSING FACILITIES
APPLICANT:	CALPORTLAND COMPANY
OPERATOR:	2025 EAST FINANCIAL WAY GLENORA, CALIFORNIA 91741
FEE LAND OWNER:	9350 OAK CREEK ROAD MOJAVE, CALIFORNIA 93501
PLAN DESIGN:	CALPORTLAND COMPANY 2025 EAST FINANCIAL WAY GLENORA, CALIFORNIA 91741
MAP PREPARER:	SESPE CONSULTING, INC. 374 POLI STREET, SUITE 200 VENTURA, CALIFORNIA 93001
LEAD AGENCY:	COUNTY OF KERN PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT 2700 M STREET, #100 BAKERSFIELD, CALIFORNIA 93301

RECLAMATION NOTES

1. ACCESS ROADS WILL BE LEFT IN PLACE POST-RECLAMATION TO MAINTAIN SITE ACCESS FOR REVEGETATION MONITORING AND MAINTENANCE.
2. FINDINGS, CONCLUSIONS, ASSUMPTIONS, AND RECOMMENDATIONS INCLUDED IN THE SLOPE STABILITY ASSESSMENT FOR MOJAVE LIFE OF MINE RECLAMATION PLAN AMENDMENT, CALPORTLAND MOJAVE CEMENT PLANT, KERN COUNTY, CALIFORNIA (GOLDER ASSOCIATES INC., OCTOBER 2021) SHALL BE IMPLEMENTED THROUGHOUT MINING AND RECLAMATION OPERATIONS.
3. STORM WATER CONTROLS SHALL BE CONSTRUCTED AS DESCRIBED IN THE DRAINAGE REPORT CALPORTLAND COMPANY MOJAVE QUARRY (SESPE CONSULTING, 2021), WHICH IDENTIFIES THAT STORM WATER RUNOFF WILL BE DIVERTED DIRECTLY INTO THE MINING PITS WHERE FEASIBLE. FOR AREAS WHERE IT IS NOT POSSIBLE TO DIRECT WATER INTO THE PITS, RUNOFF WILL BE COLLECTED IN SEDIMENT PONDS. CAPACITY AND LOCATION OF PROPOSED SEDIMENT PONDS ARE SHOWN IN THE DRAINAGE REPORT.
4. REVEGETATION OF DISTURBED AREAS SHALL BE CONDUCTED AS DESCRIBED IN THE CALPORTLAND'S MOJAVE MINE LIFE EXTENSION PROJECT REVEGETATION PLAN (ELMT CONSULTING, 2021).
5. FILL MATERIAL WILL BE PLACED ONSITE IN PERMANENT STORAGE PILES (CONSTRUCTION MATERIAL STOCKPILES) AS WELL AS BACKFILLING CERTAIN QUARRY PITS (PITS E AND F), PARTIALLY OR UP TO GRADE SURFACE AS FEASIBLE, DURING THE COURSE OF VESTED MINING OPERATIONS.
5. THESE FIGURES ARE INTENDED FOR PERMITTING PURPOSES.

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- MAXIMUM EXTENT OF EXCAVATION:**
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- FINAL RECLAIMED CONDITIONS:**
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- CROSS SECTIONS:**
FIGURE 12: CROSS SECTIONS A THROUGH F
FIGURE 13: CROSS SECTIONS G THROUGH K
FIGURE 14: CROSS SECTIONS L THROUGH O



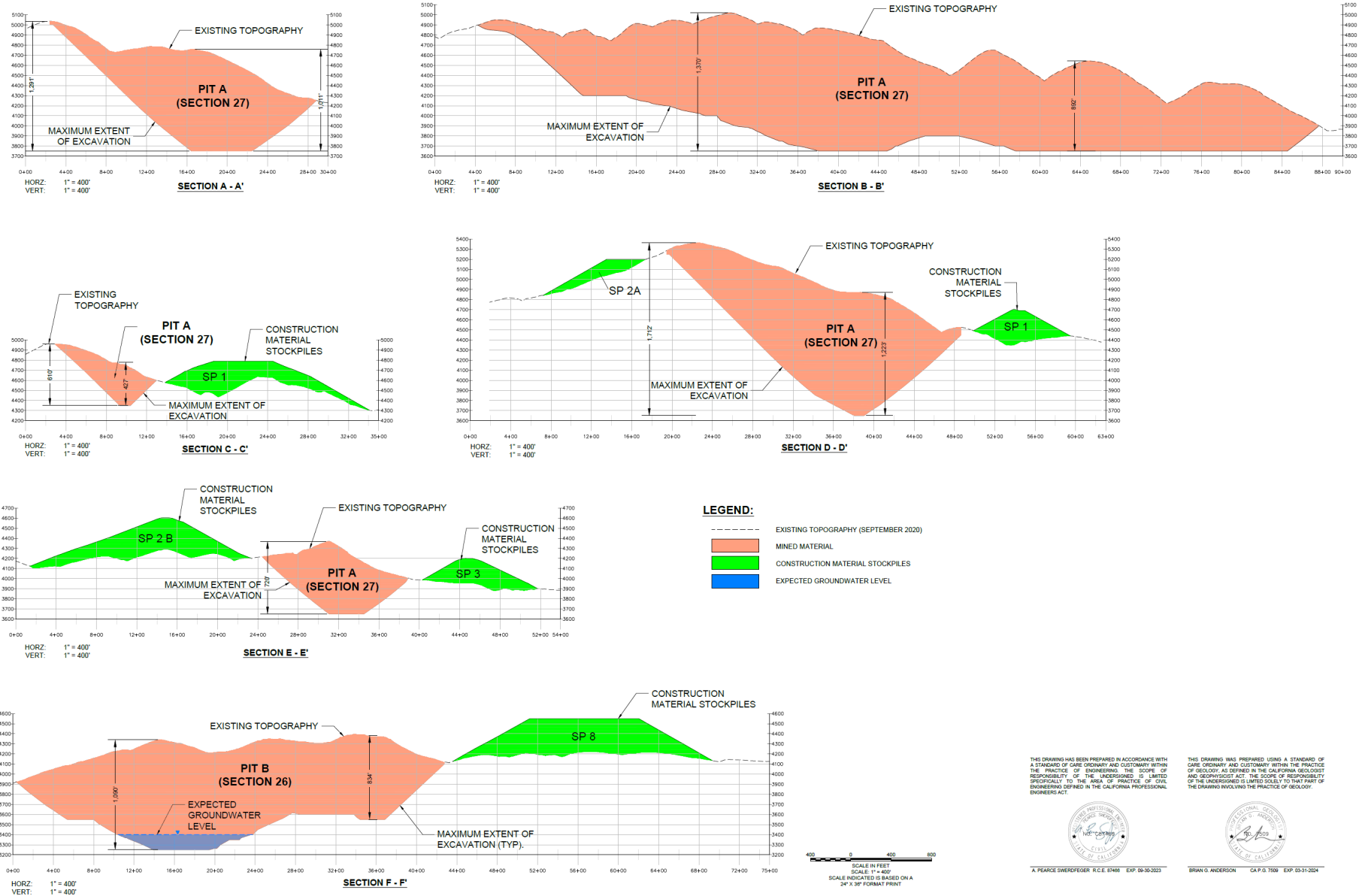
**Mojave Life of Mine
Reclamation Plan
Amendment Project
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198**

**Figure7:
Proposed Final Reclaimed Conditions
CalPortland Company
by SESPE Consulting, Inc.**



**Kern County
Planning & Natural
Resources Department**

6/6/2024



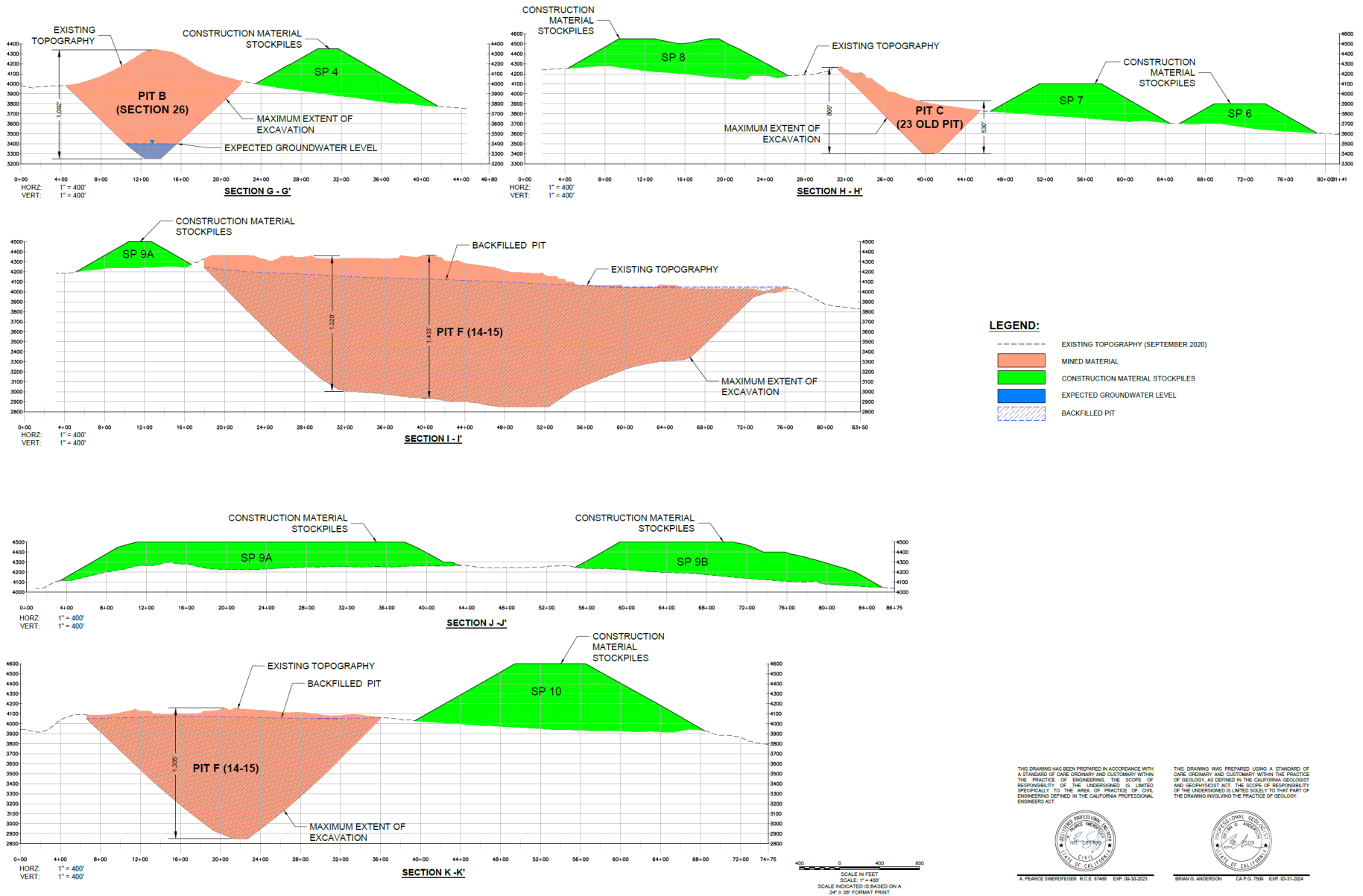
**Mojave Life of Mine
 Reclamation Plan
 Amendment Project
 CUP No. 21, Map No. 197
 CUP No. 46, Map No. 198**

**Figure 8:
 Proposed Final Reclaimed Conditions
 Cross-Section (A – F)
 CalPortland Company
 by SESPE Consulting, Inc.**



**Kern County
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6/6/2024



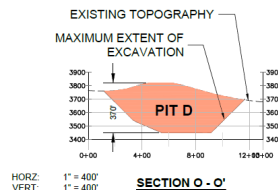
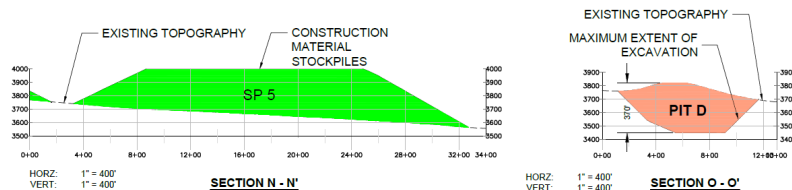
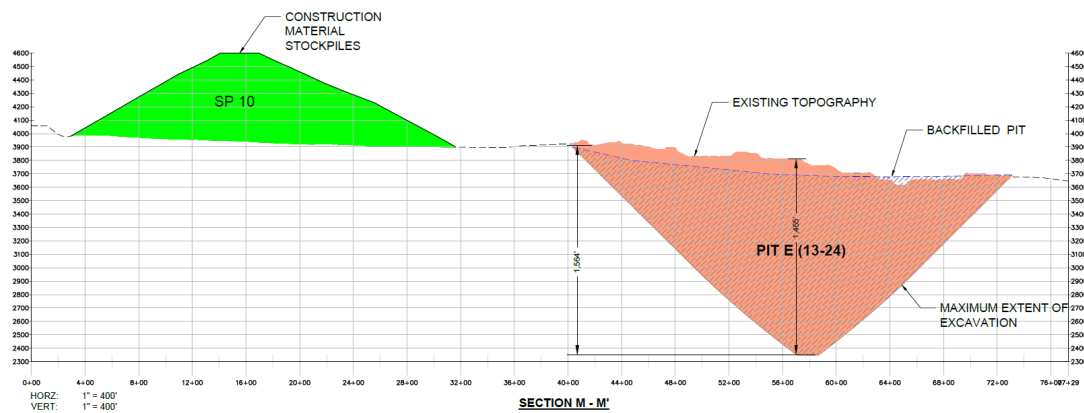
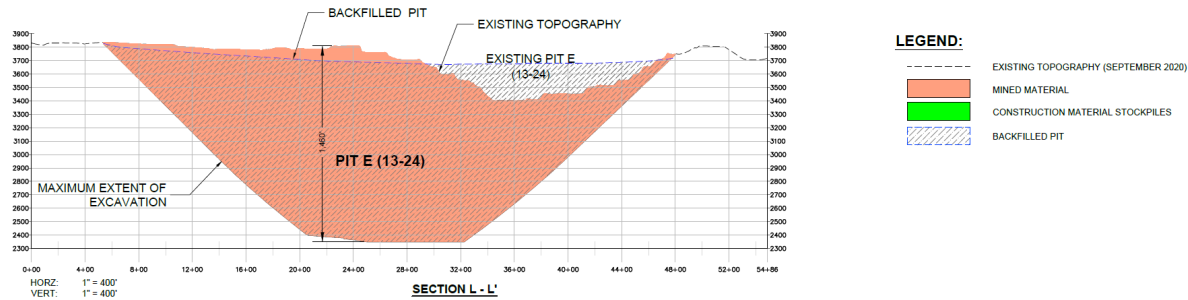
**Mojave Life of Mine
Reclamation Plan
Amendment Project
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198**

**Figure 9:
Proposed Final Reclaimed Conditions
Cross-Section (G-K)
CalPortland Company
by SESPE Consulting, Inc.**



**Kern County
Planning & Natural
Resources Department**

6/6/2024



SCALE IN FEET
SCALE: 1" = 400'
SCALE INDICATED IS BASED ON A
24" X 36" FORMAT PRINT

THIS DRAWING HAS BEEN PREPARED IN ACCORDANCE WITH A STANDARD OF CARE ORDINARY AND CUSTOMARY WITHIN THE PRACTICE OF ENGINEERING. THE SCOPE OF RESPONSIBILITY OF THE UNDERSIGNED IS LIMITED SPECIFICALLY TO THE AREA OF PRACTICE OF CIVIL ENGINEERING DEFINED IN THE CALIFORNIA PROFESSIONAL ENGINEERS ACT.

THIS DRAWING WAS PREPARED USING A STANDARD OF CARE ORDINARY AND CUSTOMARY WITHIN THE PRACTICE OF GEOLOGY AS DEFINED IN THE CALIFORNIA GEOLOGIST AND GEOPHYSICIST ACT. THE SCOPE OF RESPONSIBILITY OF THE UNDERSIGNED IS LIMITED SOLELY TO THAT PART OF THE DRAWING INVOLVING THE PRACTICE OF GEOLOGY.

A. PEARCE-SWEPFEDER, R.C.E. 81486 EXP. 08-30-2023

BRYAN S. ANDERSON, C.P.G. 17509 EXP. 03-31-2024

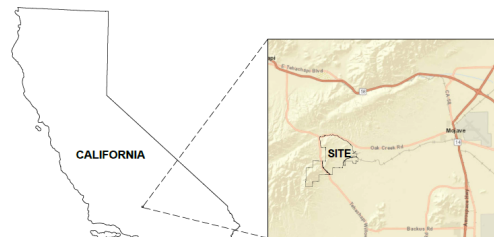
**Mojave Life of Mine
Reclamation Plan
Amendment Project
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198**

**Figure 10:
Proposed Final Reclaimed Conditions
Cross-Section (L-O)
CalPortland Company
by SESPE Consulting, Inc.**



**Kern County
Planning & Natural
Resources Department**

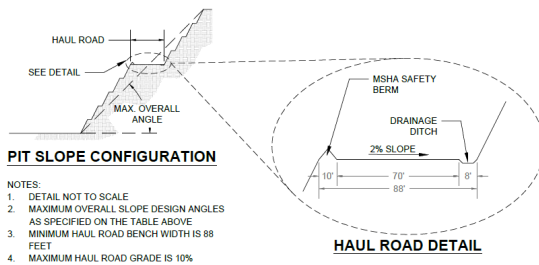
6/6/2024



INDEX MAP

CALPORTLAND MOJAVE MINE
CUP 2, MAP 197 & CUP 5, MAP 198
CALIFORNIA MINE ID 91-15-0032

PROPOSED USE:	EXISTING AGGREGATE MINE AND PERMITTED PROCESSING FACILITIES
APPLICANT:	CALPORTLAND COMPANY
OPERATOR:	2025 EAST FINANCIAL WAY GLENORA, CALIFORNIA 91741
FEE LAND OWNER:	
PROJECT ADDRESS:	9350 OAK CREEK ROAD MOJAVE, CALIFORNIA 93501
PLAN DESIGN:	CALPORTLAND COMPANY 2025 EAST FINANCIAL WAY GLENORA, CALIFORNIA 91741
MAP PREPARER:	SESPE CONSULTING, INC. 374 POLI STREET, SUITE 200 VENTURA, CALIFORNIA 93001
LEAD AGENCY:	COUNTY OF KERN PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT 2700 M STREET, #100 BAKERSFIELD, CALIFORNIA 93301



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MAXIMUM EXTENT OF EXCAVATION:

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FINAL RECLAIMED CONDITIONS:

FIGURE 7: SITE OVERVIEW
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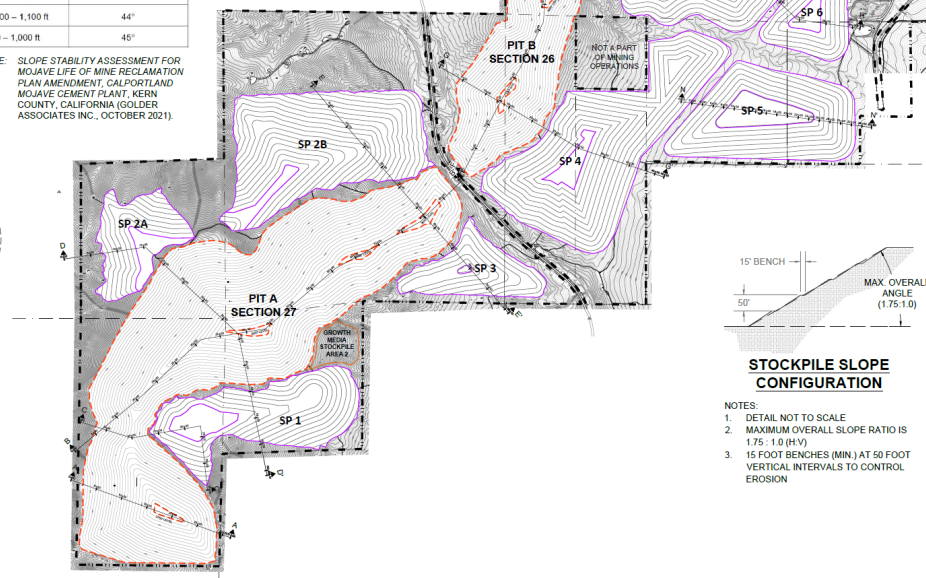
MINING NOTES

1. FINDINGS, CONCLUSIONS, ASSUMPTIONS, AND RECOMMENDATIONS INCLUDED IN THE SLOPE STABILITY ASSESSMENT FOR MOJAVE LIFE OF MINE RECLAMATION PLAN AMENDMENT, CALPORTLAND MOJAVE CEMENT PLANT, KERN COUNTY, CALIFORNIA (GOLDER ASSOCIATES INC., OCTOBER 2021) SHALL BE IMPLEMENTED THROUGHOUT MINING AND RECLAMATION OPERATIONS.
2. PIT HAUL ROADS WILL BE CONSTRUCTED AS SHOWN ON THE DETAIL HEREON. INTERMITTENT RAMPS, INTERNAL ACCESS ROADS, AND PRIMARY TRAVEL ROUTES MAY VARY IN LOCATION AND SIZE THROUGHOUT THE PROJECT AS DEEMED NECESSARY BY THE OPERATOR.

QUARRY SLOPE DESIGN ANGLES

Slope Height	Maximum Slope Angle
1,800 – 1,675 ft	37.5°
1,400 – 1,500 ft	38°
1,300 – 1,400 ft	40°
1,200 – 1,300 ft	41.5°
1,100 – 1,200 ft	42.5°
1,000 – 1,100 ft	44°
0 – 1,000 ft	45°

SOURCE: SLOPE STABILITY ASSESSMENT FOR MOJAVE LIFE OF MINE RECLAMATION PLAN AMENDMENT, CALPORTLAND MOJAVE CEMENT PLANT, KERN COUNTY, CALIFORNIA (GOLDER ASSOCIATES INC., OCTOBER 2021).

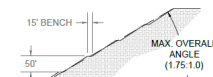


LEGEND:

- PARCEL BOUNDARIES
- PROJECT BOUNDARY (~4,367 ACRES)
- EXISTING CONTOURS (SEPTEMBER 2020)
- MAXIMUM EXTENT OF EXCAVATION CONTOURS
- GROWTH MEDIA STOCKPILE BOUNDARY
- PIT BOUNDARY / PIT BOTTOM
- CONSTRUCTION MATERIAL STOCKPILES
- BOUNDARY / TOP
- CONSTRUCTION MATERIAL STOCKPILE CONTOURS
- FEMA 100-YEAR FLOODWAY

MINING NOTES (CONT.)

3. PRIOR TO MINING NEW AREAS, GROWTH MEDIA AND OVERBURDEN / INTERBURDEN WILL BE REMOVED AS A SEPARATE LAYER AND BE STORED IN SEPARATE STOCKPILES WITHIN THE QUARRY FOR USE IN RECLAMATION ACTIVITIES.
4. BEST MANAGEMENT PRACTICES (BMPs) TO PREVENT EROSION, SEDIMENT, AND WINDBLOWN DUST WILL BE IMPLEMENTED AS DESCRIBED IN THE SITE-SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
5. THESE FIGURES ARE INTENDED FOR PERMITTING PURPOSES.



NOTES:

1. DETAIL NOT TO SCALE
2. MAXIMUM OVERALL SLOPE RATIO IS 1.75:1 (H:V)
3. 15 FOOT BENCHES (MIN.) AT 50 FOOT VERTICAL INTERVALS TO CONTROL EROSION

THIS DRAWING HAS BEEN PREPARED IN ACCORDANCE WITH A STANDARD OF CARE ORDINARY AND CUSTOMARY WITHIN THE PRACTICE OF ENGINEERING. THE SCOPE OF RESPONSIBILITY OF THE UNDERSIGNED IS LIMITED SPECIFICALLY TO THE AREA OF PRACTICE OF CIVIL ENGINEERING DEFINED IN THE CALIFORNIA PROFESSIONAL ENGINEERING ACT.



A. PEARCE OVERSEER R.C.E. 67488 EXP. 03-30-2023

THIS DRAWING WAS PREPARED USING A STANDARD OF CARE ORDINARY AND CUSTOMARY WITHIN THE PRACTICE OF ENGINEERING. THE SCOPE OF RESPONSIBILITY OF THE UNDERSIGNED IS LIMITED SPECIFICALLY TO THE AREA OF PRACTICE OF CIVIL ENGINEERING DEFINED IN THE CALIFORNIA PROFESSIONAL ENGINEERING ACT.



BRIAN S. ANDERSON C.A.P. 6758 EXP. 03-31-2024

PROPERTY LINES & TOPOGRAPHY:

MINE DESIGN:
CONTOUR INTERVAL:
DATUM:

CPC MOJAVE ALTA / NSPS SURVEY, SMITHCO SURVEYING ENGINEERING, SEPTEMBER 2020 (DARTAGNAN ALBA, PLS NO. 9052)
CALPORTLAND COMPANY, WITH OVERSIGHT BY SESPE CONSULTING, INC.
HORIZ= NAD27, CALIFORNIA ZONE 5, US FOOT
VERT= NAVD88

**Mojave Life of Mine
Reclamation Plan
Amendment Project**
CUP No. 21, Map No. 197
CUP No. 46, Map No. 198

**Figure 11:
Proposed Maximum Extent of Excavation**

CalPortland Company
by SESPE Consulting, Inc.



**Kern County
Planning & Natural
Resources Department**

6/6/2024



2. Kern County Environmental Checklist Form

2.1 Environmental Factors Potentially Affected

In accordance with CEQA Guidelines, the County intends to prepare an Environmental Impact Report (EIR) to evaluate potential environmental effects of the project and to propose mitigation measures to reduce any significant effects identified.

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a “potentially significant impact,” as indicated by the Kern County Environmental Checklist. As such, the analysis contained in the EIR will focus on these issue areas.

- | | | |
|---|--|--|
| ☒ Aesthetics | ☒ Agriculture and Forestry Resources | ☒ Air Quality |
| ☒ Biological Resources | ☒ Cultural Resources | ☒ Energy |
| ☒ Geology and Soils | ☒ Greenhouse Gas Emissions | ☒ Hazards and Hazardous Materials |
| ☒ Hydrology and Water Quality | ☒ Land Use and Planning | ☒ Mineral Resources |
| ☒ Noise | ☐ Population and Housing | ☒ Public Services |
| ☐ Recreation | ☒ Transportation | ☒ Tribal Cultural Resources |
| ☒ Utilities / Service Systems | ☒ Wildfire | ☒ Mandatory Findings of Significance |

Other Environmental Issues

The County conducted a preliminary review of the proposed project and has determined it is not likely to result in significant environmental effects to the following resources. Therefore, further analysis is not warranted in the EIR.

- **Population / Housing:** The proposed project will not induce substantial unplanned population growth through the construction of new homes, roads, or other infrastructure nor displace any housing units or people. The existing Mojave Mine maintains approximately 21 employees, and typically has 16 employees within the vested mine site. The project proponent estimates that maximum reclamation operations would result in an additional 24 employees for reclamation activities. The project proponent anticipates that mining at the site will be completed in approximately the year 2222 and that reclamation activities would require approximately two years for completion in the year 2224 followed by approximately five years of monitoring for completion in the year 2227. The majority of project-generated jobs would be from the local and regional area and would occur on a temporary and short-term basis during the period of reclamation. Any temporary housing needed for these workers is expected to be provided in nearby communities, including Tehachapi and Mojave. Therefore, the project is not anticipated to directly or indirectly induce the development of any new housing or businesses within the local communities.

The proposed project is located on lands with no existing housing. Residences in the area are sparse and rural in nature, with the nearest residence approximately 1 mile south of the project site. As such, the proposed project is not anticipated to displace existing housing that would necessitate the construction of replacement housing elsewhere.



- **Recreation:** Up to approximately 24 workers would be needed for proposed reclamation activities. These workers and their families may make use of local parks and recreation facilities but are not anticipated to result in a substantial increase in the use of existing neighborhood or regional parks or other recreational facilities. Thus, the use of parks and recreational facilities by reclamation workers and their families would not be expected to result in accelerated deterioration of any such facilities or require the construction of new facilities.



2.2 Determination (To be completed by the Lead Agency)

DETERMINATION. (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- ☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☒ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect (a) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (b) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENT IMPACT REPORT (EIR) is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature:

Randall Cates

Date:

August 6, 2024

Printed Name:

Randall Cates

Title:

Planner III