

**REPORT ON
RECLAMATION PLAN SIGNIFICANT AMENDMENT
COOLIDGE DIABLO MINE SITE
COOLIDGE, ARIZONA**

by
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Phoenix, Arizona

for
CalPortland Company
Phoenix, Arizona



File No. 0205651-001
March 2025

Table of Contents

List of Figures

List of Appendices

1. Introduction	1
2. Reclamation Plan Narrative	2
2.1 OWNERSHIP/OPERATOR INFORMATION	2
2.1.1 Owner Name and Address	2
2.1.2 Contact Person Name and Address	2
2.1.3 Responsible Party	2
2.2 CERTIFICATE OF DISCLOSURE	3
2.3 DESCRIPTION OF CURRENT OPERATIONS	3
2.3.1 Surrounding Area Land Use	4
2.3.2 Current Permits, Licenses, and Approvals	4
2.3.3 Description of Future Disturbance	4
2.4 POST-AGGREGATE MINING FINAL TOPOGRAPHY	5
2.4.1 Description of Final Topography	5
2.4.2 Erosion Control Plan	5
2.5 POST-AGGREGATE MINING PLAN FOR STRUCTURES, EQUIPMENT, AND PUBLIC SAFETY	5
2.5.1 Structures to be Removed	5
2.5.2 Access Restriction/Public Safety	6
2.6 POST-AGGREGATE MINING ROAD RECLAMATION	6
2.7 SOIL CONSERVATION AND REVEGETATION	6
2.7.1 Topsoil Conservation Plan	6
2.7.2 Revegetation Plan	6
2.8 CONCEPTUAL SCHEDULE FOR DISTURBANCE AND RECLAMATION	7
2.9 PROBABLE FUTURE CONDITIONS	7
2.10 ESTIMATED RECLAMATION COSTS	8
2.10.1 Pit Area Regrading and Scarifying	8
2.10.2 Road Reclamation Cost	8
2.10.3 Structure Demolition Cost	8
2.10.4 Care and Maintenance Cost	9
2.10.5 Construction Cost	9
2.10.6 Plant Removal Cost	9
2.10.7 Administrative Cost	9
2.10.8 Total Reclamation Cost	10
3. Fees	11
4. Financial Assurance	12



List of Figures

Figure No.	Title
1	Site Location Map
2	Existing Site Conditions
3	Post Aggregate Excavation Contours
4	Post Mining Land Use

List of Appendices

Appendix	Title
A	Reclamation Cost Estimate

1. Introduction

This Aggregate Mined Land Reclamation Plan Amendment (Plan) details the significant amendment to closure and reclamation of the CalPortland Company (CalPortland) Diablo Plant (Site), located in Coolidge, Arizona. Reclamation planning has been conducted in accordance with the Arizona Aggregate Mined Lands Reclamation Act (Arizona Revised Statutes [A.R.S.] §27-1201) as authorized by A.R.S. §27-1204. This Plan has been developed pursuant to the format and content prescribed in the Arizona Aggregate Mined Lands Reclamation Rules (Arizona Administrative Code [A.A.C.] R11-3-101, et seq.). Figure 1 presents the Site location map of the Diablo Plant operations.

The Project Boundary Area in the 2007 Arizona State Mine Inspector (ASMI) approved Plan¹ for the Site consisted of approximately 296 acres across two parcels owned by Skousen Sand & Gravel, LLC which is now operated by CalPortland. The property is located on 15540 North Kenworthy Road, Coolidge, Arizona and is bounded to the west by North Skousen Road, to the south by East Mayfield Road, and to the east by North Kenworthy Road. This substantial change to the approved Plan has been prepared to update the original 2007 ASMI-approved Plan for the following reasons:

- The 2007 approved plan listed the Operator as Diablo Sand & Gravel, LLC. This amendment will formally change the operator to CalPortland Company who was previously identified as the operator in the 2015 approved Reclamation Plan Transfer memorandum.
- The 2007 approved plan requires the removal of one groundwater well, septic tanks, and the hardline power infrastructure following mine closure. This amendment will remove those requirements and leave these items for the post-mining land use (PMLU) at the request of the landowner. These features will enhance the potential resale of the property at the end of mine life and reclamation.
- The 2007 approved plan called for hydroseeding as the method for revegetation. This amendment will change the method to allow for natural revegetation with a post-reclamation monitoring for a period of three years.
- Recalculation of the reclamation cost estimate is based on the changes detailed above.

¹ Reclamation and Closure Plan Coolidge Mine Site, 2006. – Mining & Environmental Consultants, Inc.

2. Reclamation Plan Narrative

2.1 OWNERSHIP/OPERATOR INFORMATION

According to the records of the Pinal County Tax Assessor, Pinal County parcels 209-05-002A and 209-05-0010 are owned by the Skousen Family Gravel Operations, LLC., an Arizona limited liability company.

2.1.1 Owner Name and Address

Landowner:

Skousen Sand & Gravel, LLC
15303 North Skousen Road
Coolidge, Arizona 85228

Operator:

CalPortland Company
10655 West Park Run Drive; Suite 275
Las Vegas, Nevada 89144

2.1.2 Contact Person Name and Address

Operator's contact person (for regulatory contact):

Tori Tang, Environmental Manager
CalPortland Company
3755 North Business Center Drive, #3
Tucson, Arizona 85705
(520) 572-5314 (phone)
ttang@calportland.com

2.1.3 Responsible Party

CalPortland hereby assumes responsibility for the reclamation of surface disturbances that are attributable to the aggregate mining unit consistent with A.R.S. §27-1201 and A.A.C. R11-3-501 pursuant to that chapter. All areas that have been disturbed at the Site will be reclaimed to a safe and stable condition upon cessation of aggregate mining operations.



Signature

March 3, 2025

Date

Tori Tang

Name

Environmental Manager

Title

2.2 CERTIFICATE OF DISCLOSURE

The certificate of disclosure required by A.R.S. 27-1205 has been prepared by CalPortland and was submitted to ASMI during the plan transfer in 2015.

2.3 DESCRIPTION OF CURRENT OPERATIONS

The mining operation included the removal and processing of earthen materials to produce aggregate as described in A.R.S. § 27-441. The 2007 plan addressed mining and plant operations within the approximate 296-acre property owned by Skousen Sand and Gravel, LLC and leased areas managed by Diablo Sand & Gravel, LLC until 8 May 2015 and, currently by the CalPortland Company. Approximately 70.5 acres of disturbance was completed at the time of the approved plan, with an approved total disturbed area of approximately 286.1 acres. Since the plan was originally approved, CalPortland has mined or begun the process of mining in accordance with the 2007 approved plan. There are no known fish or wildlife habitats within the Site boundary that would potentially be disturbed by Site operations or the expansions related to this amendment.

The Site is north of Arizona State Route 87 and can be accessed via North Kenworthy Road off of State Route 87 along the eastern portion of property. It is still anticipated that all material processing will be conducted in the established plant processing area on the east side of the property. No other infrastructure is currently planned for the expanded mining area.

Figure 2 presents the existing Site conditions. The ground surface is generally flat, sloping northeast towards the Gila River, with elevations ranging from 1,391 to 1,380 feet above mean sea level. All slopes within the pit areas are currently graded to 1.5 Horizontal to 1 Vertical (1.5H:1V) or shallower, as approved in the original 2007 plan.

Equipment, structures, and facilities on the Site are utilized for aggregate crushing and screening, concrete batch mixing, and equipment maintenance. Details of the processing area are as follows:

- The processing area is located in the central portion of Pinal County assessor parcel 209-05-0010 and will remain within the existing footprint on the original parcels from the approved plan. A subcontractor to CalPortland operates a block production facility located on the northeast side of Pinal County assessor parcel 209-05-002A.
- Plant processing equipment and structures for aggregate mining processing and concrete batch mixing include:
 - One ready-mix concrete plant;
 - One crushing and screening plant;
 - One wash plant;
 - Multiple material processing conveyors and radial stackers;
 - Hot-mix asphalt plant;
 - One portable scale house;
 - One portable office;
 - One truck scale;
 - One maintenance shop building and truck wash area;

- One material testing lab building;
 - Two 10,000-gallon aboveground fuel tanks; and
 - A pre-cast concrete block manufacturing facility (subcontractor leased area and equipment) which will be removed from the mining unit during reclamation activities.
- Utilities on the Diablo Site include:
 - Power provided by overhead power lines and transformers;
 - City water connection;
 - One water well;
 - Two septic systems; and
 - Contracted solid waste removal.

2.3.1 Surrounding Area Land Use

The mining operations are conducted primarily within the floodplain and floodplain fringe of the Gila River. The planned post-aggregate commercial mining use is consistent with surrounding land uses. Surrounding land uses generally consist of the following:

- Natural desert and the Gila River to the north and east; and
- Residential, farming, mining, and open land use areas to the west and south.

2.3.2 Current Permits, Licenses, and Approvals

In addition to the approved Reclamation Plan (as amended), operations will comply with applicable air, stormwater, flood control, and hazardous/regulated materials management regulations. The property currently has the following permits/plans:

- Arizona Department of Environmental Quality (ADEQ) Industrial Stormwater Multi-Sector General Permit (MSGP);
- Pinal County Air Quality Permit; and
- Arizona Department of Water Resources Groundwater Withdrawal Permit No. 59-591440.0005.

Although these permits/plans indirectly regulate operations at the Site, they do not have the authority to control or limit the depth or extent of mining.

2.3.3 Description of Future Disturbance

All future mining and reclamation activities on the Site are planned to occur within the property boundaries. Figure 3 presents the post-aggregate excavation contours and Figure 4 presents the post-mining land use.

- The mining area will be approximately 286 acres of total disturbance, with no change from the original approved Plan;
- The plant processing area will be reduced in sized to accommodate the expanded mining area presented in Figure 3. The plant processing area will be approximately 12 acres of total disturbance;
- Maximum final depth of mining will be approximately 125 feet below ground surface;

- Pit walls mined to a slope of 1.5H:1V, unchanged from the original plan;
- Excavation will occur with a 50-foot setback from the property lines and disturbance boundaries;
- Unpaved haul roads that lead to the primary crushing, screening, and stockpile areas; and
- Continued operation of the block plant although the plant may be relocated or removed to accommodate the progression of mining.

2.4 POST-AGGREGATE MINING FINAL TOPOGRAPHY

The following sections identify the items and the methods in which each item will be reclaimed in accordance with this amendment to the Plan.

2.4.1 Description of Final Topography

The final topography will be backfilled to the pre-mining land surface elevation with inert materials. Should the backfill operation be terminated prior to the entire pit being backfilled with inert material, the remaining pit slopes will be graded to 2H:1V and the remaining pit floor will be covered with up to 6 inches of clean soil, and ripped and scarified to allow for the surface to be naturally revegetated.

2.4.2 Erosion Control Plan

The final surface will be contoured to blend with the surrounding area and provide adequate drainage. The entire mine unit will be recontoured and allowed to naturally revegetate after mining and inert landfilling operations have ceased. The final surface will slope gently toward the Gila River to provide for drainage. The planned low slope (approximately 0.2 percent) will result in a very low runoff velocity and very low erosion. The nearly flat reclaimed surface will be inherently stable.

Stormwater drainage controls have been established as part of the MSGP. Specific erosion controls include:

- Stormwater will be routed into the pit while mining occurs;
- Recycled concrete riprap, along with cobbles and/or boulders, will be placed in drainage channels to stabilize soil and reduce the potential for erosion, if necessary; and
- Riprap will be used to line drainage points, as required, to minimize erosion.

2.5 POST-AGGREGATE MINING PLAN FOR STRUCTURES, EQUIPMENT, AND PUBLIC SAFETY

2.5.1 Structures to be Removed

All equipment used for mining, material processing, concrete batching, and concrete block operations will be removed from the mining unit including mobile equipment (feeders, crushers, conveyor belts, screens, stackers, etc.), and structures (offices, shops, water recycle/settling ponds, fuel and oil tanks, scales, etc.) will be removed from the Diablo CalPortland property once mining operations have ceased. Concrete slabs and footings from the removed structures will be used as inert backfill materials.

Ponds will be drained, dried, capped with soil/overburden, recontoured, and naturally revegetated. The existing water well, septic tanks, power lines, and associated infrastructure located within the plant processing area, will remain at the request of the landowner. Perimeter roads, fences and gates will remain in place for access to the Site, public safety, and to exclude grazing animals (Figure 4).

Although no costs associated with remediation are included in this Plan, any area that may have been contaminated during the mining operation, such as areas around the shop, will be remediated and reclaimed in accordance with ADEQ rules and regulations. Contaminated soils will be removed from the mining unit and transported to an approved landfill in accordance with ADEQ guidelines. The associated costs of structure removal are included in an updated reclamation cost estimate (Appendix A).

2.5.2 Access Restriction/Public Safety

Should the inert landfill operation cease prior to achieving final surface grade, final mining slopes that remain will be graded to 2H:1V or flatter to provide an acceptable factor of safety against deep-seated failure. No equipment or structures will remain on the mining unit; berms or fences will be installed around any remaining excavations. If hazards to public safety cannot be eliminated during reclamation, weather resistant signs will be posted. Scrap metal, wood, trash, and other non-inert debris that pose a threat to public safety or create a public nuisance will be removed.

The post-aggregate mining land use is not designated for grazing, fishing, or wildlife habitat, forestry, or recreation.

2.6 POST-AGGREGATE MINING ROAD RECLAMATION

The Site contains approximately 20,000 linear feet of unpaved roads in the active mining area and plant area. An additional 8,000 linear feet of unpaved mining roads will be added as mining activities occur within the updated 286-acre mining area. Roads used for long-term access, security, and monitoring in the area of the mining and plant areas will be scarified, recontoured, and allowed to naturally revegetate.

2.7 SOIL CONSERVATION AND REVEGETATION

2.7.1 Topsoil Conservation Plan

Mining excavation has removed a majority of the topsoil in the active mining area and the topsoil is stored on Site in stockpiles. The sides of the topsoil stockpiles will be revegetated with native grasses to minimize fugitive dust. Stockpiled soil will be blended with overburden and spread over the surface of the inert landfill material for revegetation activities.

2.7.2 Revegetation Plan

Natural revegetation is planned for the mining and plant processing areas. Inert material will be used to backfill the mining area and a minimum of 1 foot of blended soil and overburden will be placed over the top of the inert material to establish a root zone. Should the landfill be closed before the entire mining pit is backfilled with inert material, the remaining pit slopes will be graded to 2H:1V, the pit floor leveled, covered with 1-foot of clean soil, and the graded surfaces ripped and scarified to allow for natural revegetation.

Care and maintenance of the reclamation effort will involve up to three annual inspections of the Site to monitor inert backfill compaction, slope movement, erosion, and natural revegetation growth. Three annual inspection reports will be published within 60 days of the anniversary date of Site closure.

2.8 CONCEPTUAL SCHEDULE FOR DISTURBANCE AND RECLAMATION

The conceptual schedule includes:

- Disturbance operations are ongoing.
- Mining operations are anticipated to continue through approximately 2050.
- Reclamation activities will be concurrent with mining activities as conditions allow.
- If concurrent reclamation is not feasible, areas will be reclaimed after mining operations cease. Post-aggregate mining reclamation activities will begin within 12 months of the cessation of mining activities and are anticipated to be completed when the inert backfill operations reach surface grade.
- Reclamation of the pit area will continue after mining operations are complete. Once the inert landfilling is complete, any remaining slopes will be recontoured to 2H:1V and allowed to naturally revegetate.
- Natural revegetation will be monitored after reclamation for three years.

2.9 PROBABLE FUTURE CONDITIONS

The profitable operation of a mine is based on a variety of factors including the amount and quality of geologic resources available for extraction, site-specific hydrogeologic conditions, permitting constraints, economic factors affecting the cost of extraction and processing, and market conditions which influence the supply and demand for these materials or finished products containing these materials. Changes to any of these factors can have significant impacts to mine profitability and can thus require operators to modify mining, processing, or operational methods or expand or temporarily cease operations.

Further, the means and methods described in this Plan to operate a mining facility and implement reclamation are based on the application of currently available technologies and practices. These technologies and practices are constantly evolving, and the operations described in this Plan may be modified if the currently specified means and methods become outdated, obsolete, cost ineffective, or impracticable.

Consequently, factors affecting profitable operation or means and methods are likely to change due to unanticipated or unknown future conditions. Therefore, the operator of the facility described in this Plan reserves the right to adapt their operations or plans to these changing, unanticipated, or unknown future conditions to the extent that these operational changes do not cause substantial non-compliance with existing permits or authorizations.

2.10 ESTIMATED RECLAMATION COSTS

The unit costs developed for this Plan amendment are based primarily on the cost estimating database RS Means Facilities Construction Cost Data (2023) along with estimated productivity for material movement based primarily on the Caterpillar Handbook (Edition 31). Administrative costs were based on Arizona Rock Products Association and Haley & Aldrich recommendations.

The estimated costs developed for this Reclamation Plan Significant Amendment include:

- Pit wall reclamation;
- Road reclamation;
- Structure demolition and removal;
- Care and maintenance;
- General construction;
- Plant removal; and
- Administrative costs.

A summary of the estimated reclamation costs is listed in Table I at the end of this section. The sources and calculation of the estimated reclamation costs are provided in Appendix A.

2.10.1 Pit Area Regrading and Scarifying

Should the inert landfilling operation cease prior to completion of backfilling, all remaining slopes will be graded to a final reclamation slope of 2H:1V, the pit floor leveled and graded and covered with 1-foot of clean soils, and the surfaces allowed to naturally revegetate.

While it is expected that the pit will be fully backfilled with inert material, costs have been added to this amended Plan for grading approximately 25 feet of a 2H:1V slope of the pit walls and ripping and scarifying the pit floor. This cost is estimated to be \$6,000.

2.10.2 Road Reclamation Cost

There are an estimated 28,000 linear feet of compacted temporary unpaved roads that will be reclaimed by scarifying and ripping and allowed to naturally revegetate.

The cost of scarifying and regrading the roads is estimated to be \$8,000.

2.10.3 Structure Demolition Cost

Reclamation activities detailed in this category include:

- Removal of the portable office;
- Removal of the aboveground fuel tanks and concrete slabs;
- Removal of the maintenance shop, truck wash area, and concrete slabs;
- Removal of the lab building, concrete block plant, and concrete slabs; and
- Removal of scale and scale house structure.

The existing water well, septic tanks, and power line infrastructure will remain in place for the PMLU at the landowner's request. The total estimated cost for removal of the above-listed structures and equipment in this category is \$504,000.

2.10.4 Care and Maintenance Cost

Care and maintenance for the reclamation effort at this operation consist of:

- Three annual inspections of the Site;
- Preparation of the required annual report describing Site conditions; and
- Trash removal.

Three annual inspections are anticipated to be needed before the Site is released. The cost of care and maintenance of the Site is estimated to be \$23,400.

2.10.5 Construction Cost

Construction efforts for reclamation include:

- Installing Site access chain link fencing and restriction signs around the perimeter of the mining and plant processing areas; and
- Installation of riprap lining in drainages, if needed.

The cost of construction is estimated to be \$136,000.

2.10.6 Plant Removal Cost

The estimated reclamation costs detailed in this section include the dismantling, loading onto transport, and removal of the following equipment:

- Crushing and screening equipment;
- One concrete batch mixing plant;
- Multiple conveyors and stackers; and
- One wash plant.

The cost of plant removal is estimated at \$249,000.

2.10.7 Administrative Cost

The estimated administrative costs are required to support a third-party cost estimate in accordance with A.R.S. 27-1271.11 of the Aggregate Mined Land Reclamation Statute. These administrative costs include:

- Contingency;
- Mobilization/demobilization;
- Indirect costs;

- Contractor profit; and
- Contract administrative costs.

The total estimated administrative cost is \$335,000.

2.10.8 Total Reclamation Cost

The total estimated reclamation cost for this Plan is \$1,261,400.

Table I. Estimated Reclamation Cost Summary

Section	Reclamation Item	Cost
2.10.1	Pit Area Regrading and Scarifying	\$6,000
2.10.2	Roads Reclamation Cost	\$8,000
2.10.3	Structure Demolition Cost	\$504,000
2.10.4	Care and Maintenance Cost	\$23,400
2.10.5	Construction Cost	\$136,000
2.10.6	Plant Removal Cost	\$249,000
2.10.7	Administrative Cost	\$335,000
	Total Reclamation Cost	\$1,261,400

3. Fees

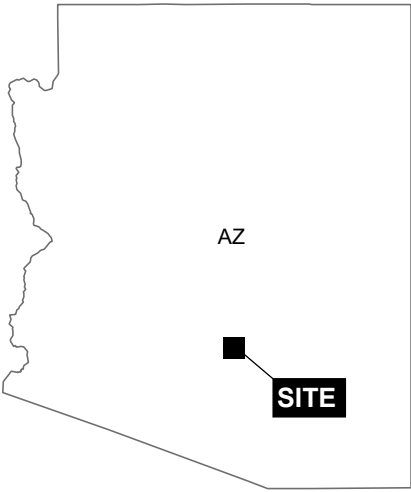
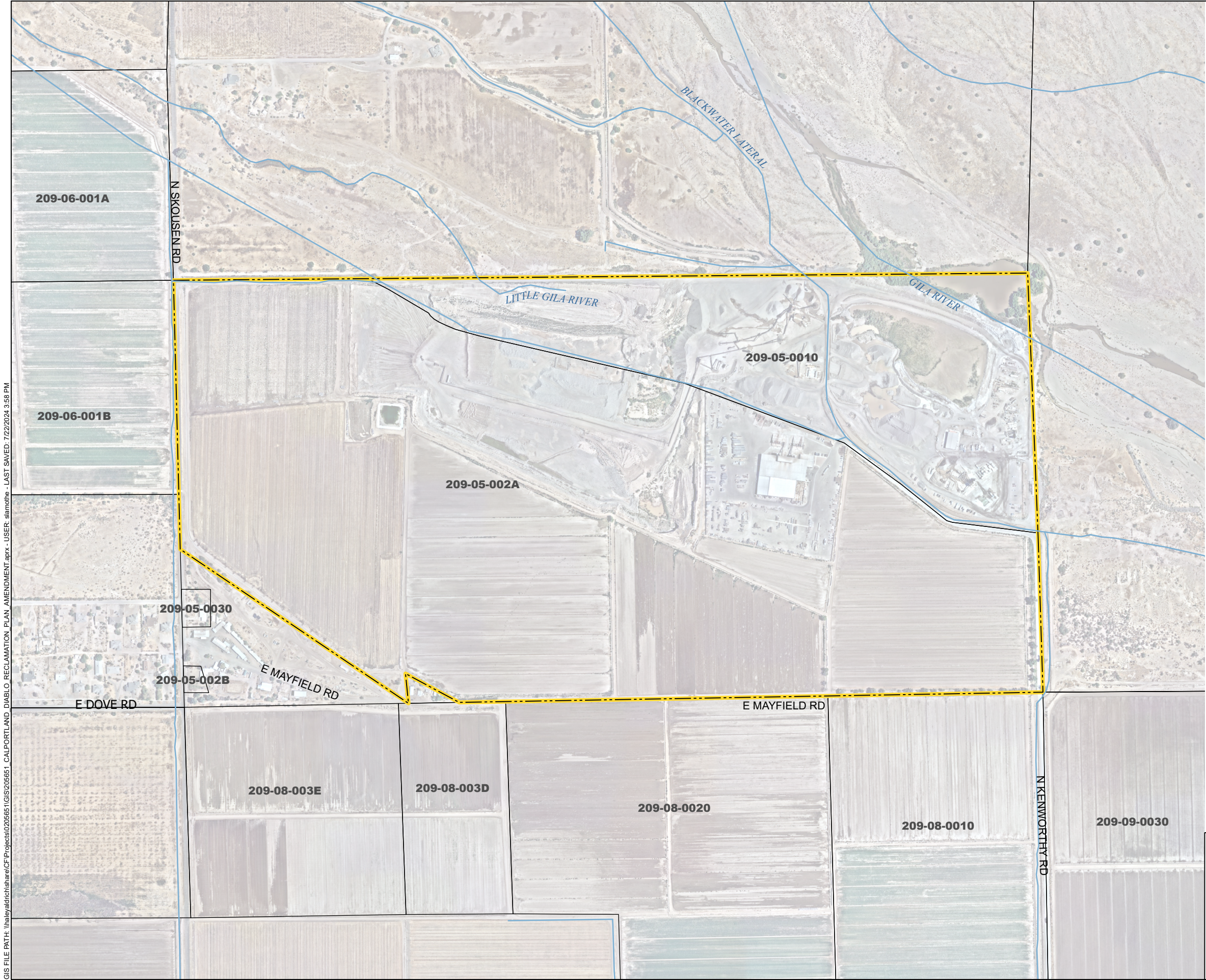
The fee to amend the Reclamation Plan is \$1,565 for an existing aggregate mining unit. A check covering this fee was submitted with this Plan.

4. Financial Assurance

Corporate self-insurance will be the Financial Assurance Mechanism used to cover the estimated reclamation costs. The corporate information required to satisfy the financial test requirements of A.A.C. R11-3-809.C will be submitted within 60 days under separate correspondence.

FIGURES

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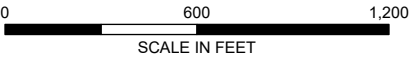


LEGEND

-  STREAM/RIVER
-  PROPERTY BOUNDARY
-  PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: PINAL COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 24 MAY 2023



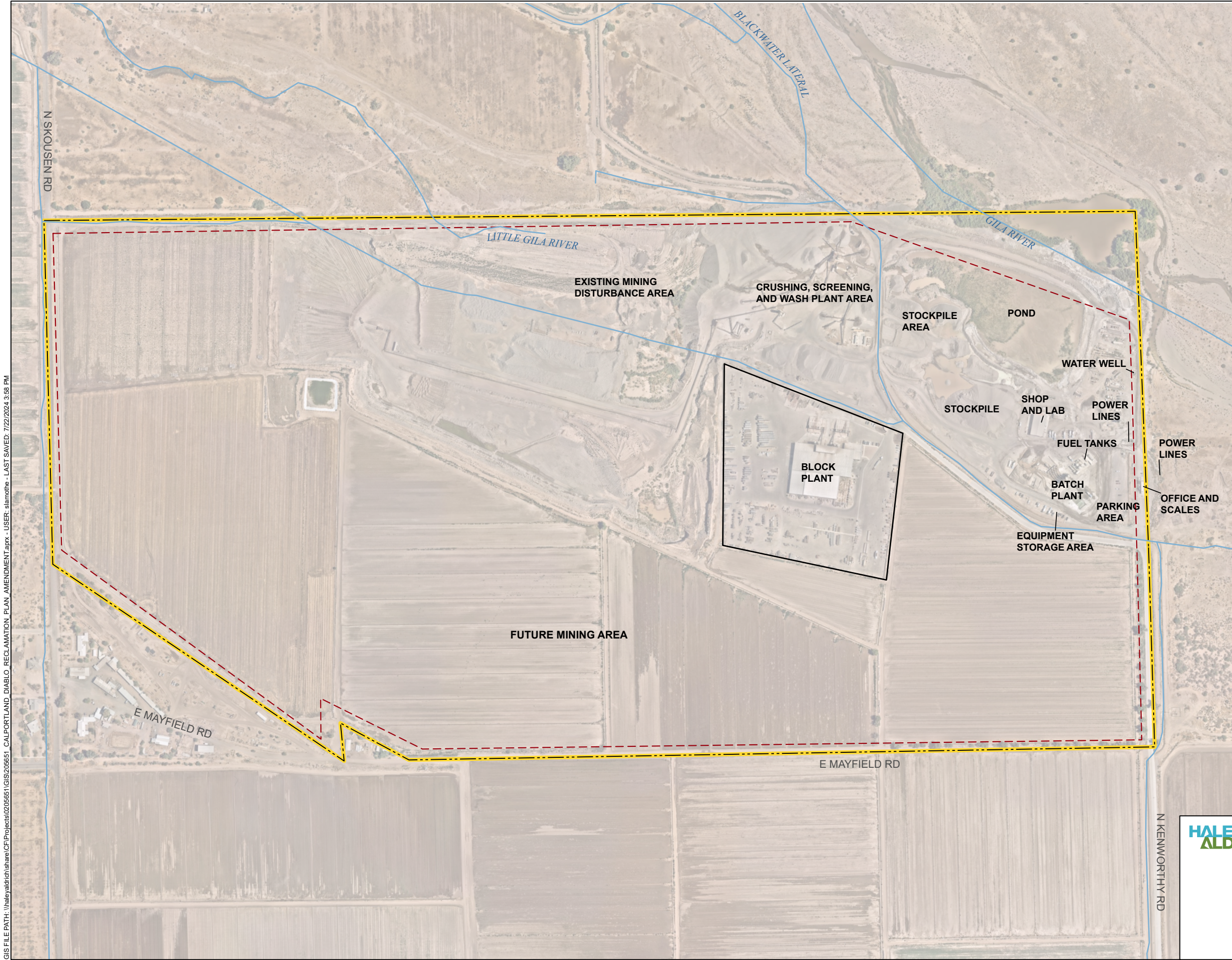
CALPORTLAND COMPANY
CALPORTLAND DIABLO RECLAMATION PLAN AMENDMENT
COOLIDGE, ARIZONA

SITE LOCATION MAP

MARCH 2025

FIGURE 1

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LEGEND

- STREAM/RIVER
- - - DISTURBANCE LIMITS
- - - PROPERTY BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: PINAL COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 24 MAY 2023



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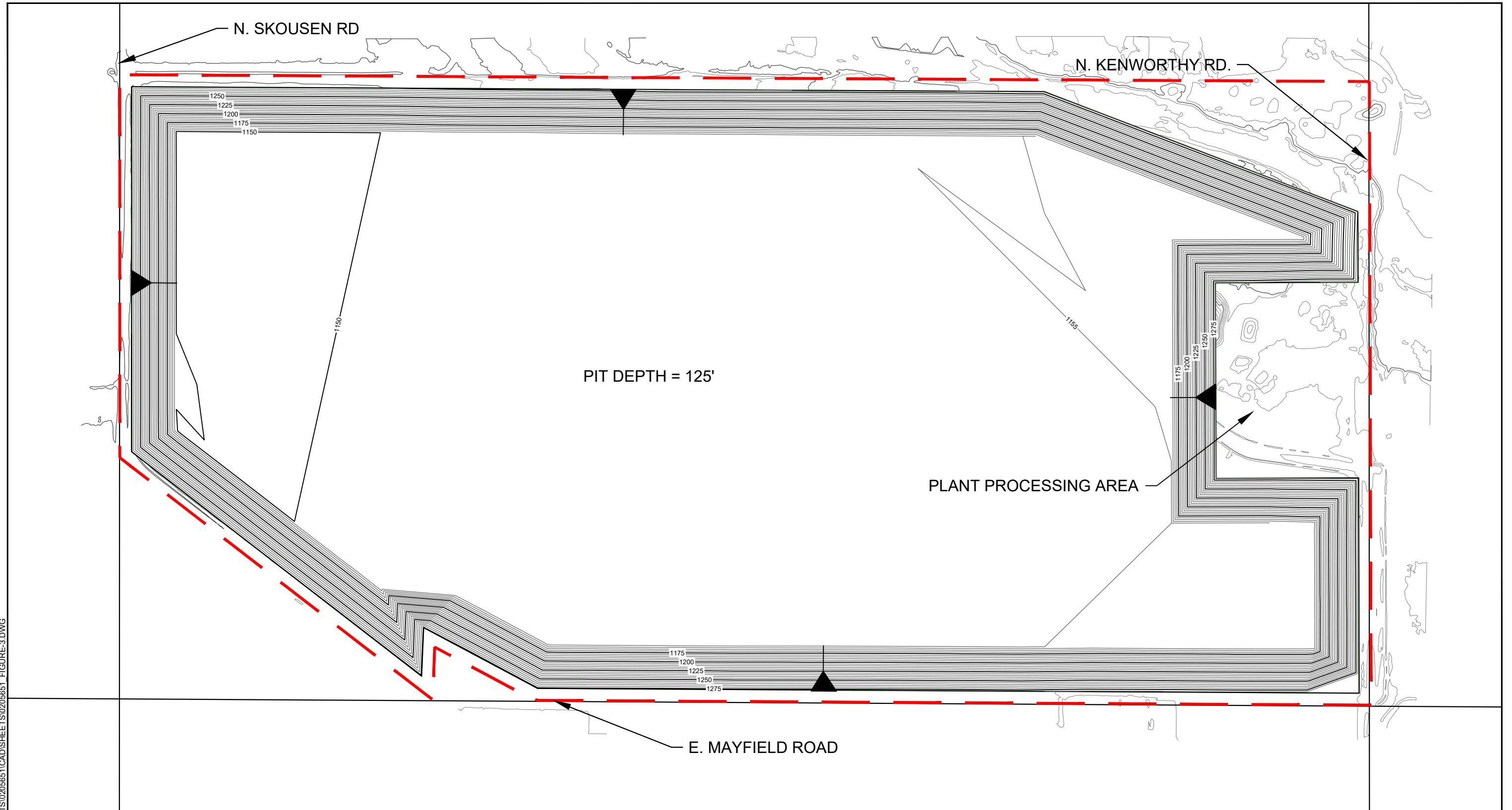


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COOLIDGE, ARIZONA

EXISTING SITE CONDITIONS

MARCH 2025

SLAMOTHE
\\HALEYALDRICH\SHARE\CF\PROJECTS\0205651\CAD\FIGURE3.DWG
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LEGEND

--- PROJECT BOUNDARY

NOTES

1. ALL LOCATIONS AND BORDERS ARE APPROXIMATE.
2. COORDINATE SYSTEM IS NAD83 AZ EAST US FOOT UNLESS OTHERWISE SPECIFIED.
3. MINING EXTENTS ARE SET BACK 50 FEET FROM PROPERTY LIMITS.
4. PIT DEPTH IS 125 FEET WITH 1.5:1 SIDE SLOPES.
5. EXISTING AND PROPOSED CONTOURS ARE AT A 5' & 25' INTERVAL.
6. TOTAL MINING AREA OF DISTURBANCE = 264 AC.
7. TOTAL OPERATIONS AREA OF DISTURBANCE = 11 AC.



0 400 800
SCALE IN FEET

**HALEY
ALDRICH**

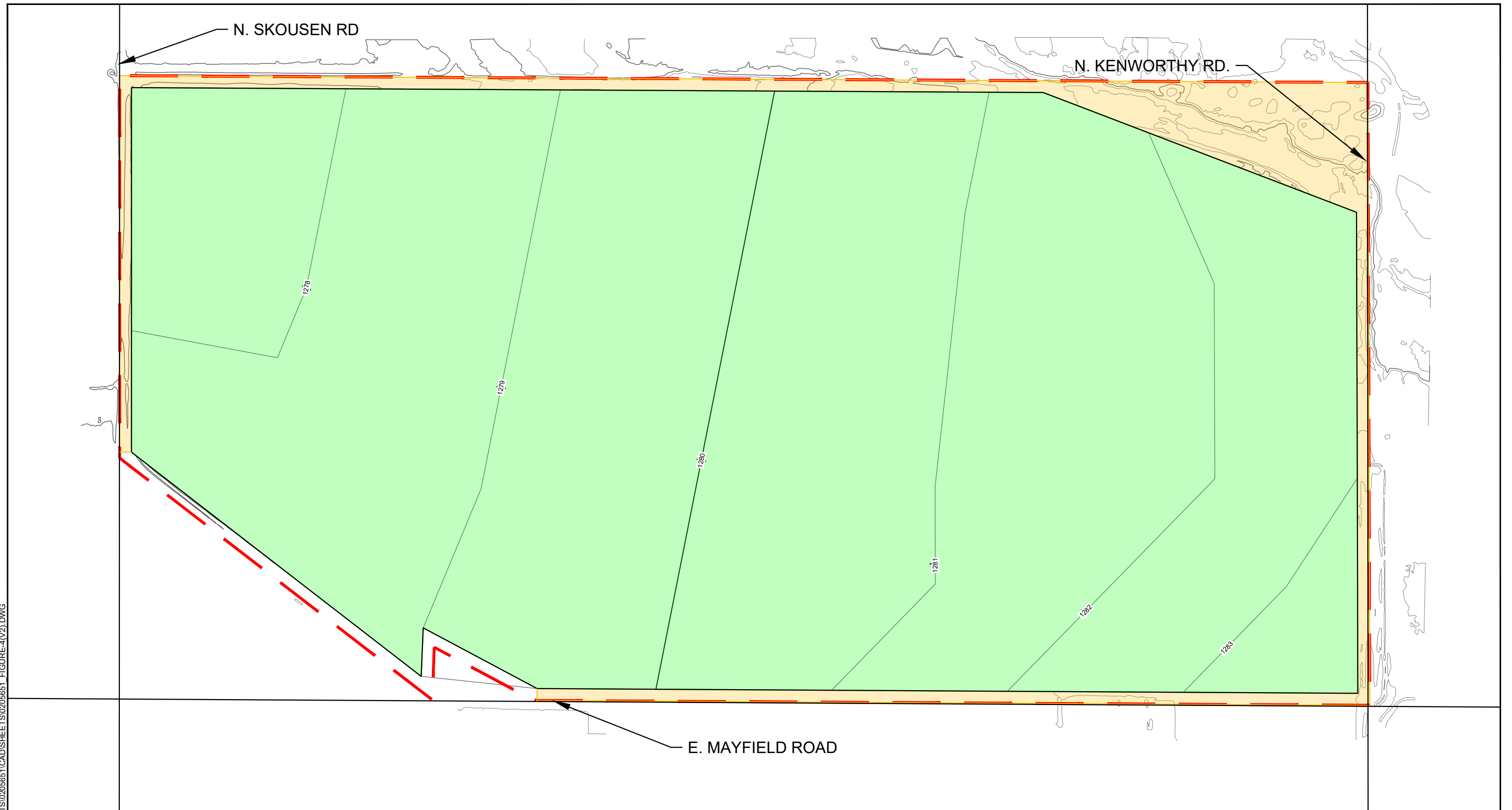
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CALPORTLAND DIABLO RECLAMATION PLAN AMENDMENT
COOLIDGE, ARIZONA

**POST AGGREGATE
EXCAVATION CONTOURS**

SCALE: AS SHOWN
MARCH 2025

FIGURE 3

SLAMOTHE Printed: 2/26/2025 2:29 PM Sheet: FIGURE 4 (2)
\\HALEY\ALDRICH\SHARE\CF\PROJECTS\10205651\CAD\10205651\FIGURE-4(V2).DWG



LEGEND

- PROJECT BOUNDARY
- UNDISTURBED AREA
- NATURALIZED OPEN SPACE

NOTES

1. ALL LOCATIONS AND BORDERS ARE APPROXIMATE.
2. COORDINATE SYSTEM IS NAD83 AZ EAST US FOOT UNLESS OTHERWISE SPECIFIED.
3. MINING EXTENTS ARE SET BACK 50 FEET FROM PROPERTY LIMITS.
4. PROPOSED CONTOURS SHOWN AT 1' & 5' INTERVAL.
5. EXISTING CONTOURS SHOWN AT 5' & 25' INTERVAL.
6. PIT TO BE BACKFILLED WITH INERT MATERIAL.
7. IF PIT IS NOT ENTIRELY FILLED WITH INERT MATERIAL, PIT FLOOR WILL BE LEVELED AND REMAINING SLOPES WILL BE GRADED AT A 2:1 SLOPE AND VEGETATED.



0 400 800
SCALE IN FEET

**HALEY
ALDRICH**

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CALPORTLAND DIABLO RECLAMATION PLAN AMENDMENT
COOLIDGE, ARIZONA

POST MINING LAND USE

SCALE: AS SHOWN
MARCH 2025

FIGURE 4

APPENDIX A

Reclamation Cost Estimate

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		1 of 12
Project			Subject			
CalPortland - Diablo Operation			Estimated Cost Summary (1 of 2)			

Reclamation Item	Description and Units	Est. Cost	Number of Units	Cost	References/Notes
Pit Walls					Section 2.10.1 of Report
	Surface Regrading and Scarifying (square foot)	\$ 0.01	915,000	\$ 6,000	
(No Mulch or Fertilizer)	Revegetation Cost - Broadcast (Acre)	\$ 377		\$ -	
	Revegetation Cost - Hydroseed (Acre)	\$ 1,175		\$ -	
	Containerized Trees (Each)	\$ 10		\$ -	
Mining Area Regrade and Scarifying Sub-Total = \$ 6,000					
Stockpiles, Overburden, or Fines Area					
	Surface Regrading and Scarifying (square foot)	\$ 0.01		\$ -	Section 2.10.2 of Report
	Revegetation Cost - Broadcast (Acre)	\$ 377		\$ -	
	Revegetation Cost - Hydroseed (Acre)	\$ 1,175		\$ -	
	Containerized Trees (Each)	\$ 10		\$ -	
Plant Area Regrade and Scarifying Sub-Total = \$ -					
Roads					
(Side Slope < 30%)	Rip/Scarify (Linear Ft.)	\$ 0.28	28,000	\$ 8,000	Section 2.10.3 of Report
(Side Slope >30%)	Re-Grading and Topsoiling (Linear Ft.)	\$ 1.69		\$ -	
(No Mulch or Fertilizer)	Revegetation Cost - Broadcast (Acre)	\$ 377		\$ -	
	Revegetation Cost - Hydroseed (Acre)	\$ 1,175		\$ -	
Roads = \$ 8,000					
Structures					
(Break-up and bury Slab)	Demolition and Removal - Metal Building (Sq. Ft.)	\$ 3.81	92,500	\$ 352,000	Section 2.10.4 of Report
(Break-up and bury Slab)	Demolition and Removal - Secondary Containment (Sq. Ft.)	\$ 8.52		\$ -	
(Break-up and bury Slab)	Demolition and Removal - Concrete Building (Sq. Ft.)	\$ 15.86		\$ -	
	Powerline Removal - Single Pole Utility (Linear Mile)	\$ 12,560		\$ -	
	Transformer Removal (Each)	\$ 6,280		\$ -	
	Demolition - Chain-Link Fencing (Linear Ft.)	\$ 4.36		\$ -	
	Demolition - Barb Wire Fencing (Linear Ft.)	\$ 1.94		\$ -	
	Septic Tank Removal (Each)	\$ 1,000		\$ -	
	Well Removal (Ft. Depth)	\$ 33.55		\$ -	
	Removal - 15" Culvert (Linear Ft.)	\$ 10.29		\$ -	
	Removal - 36" Culvert (Linear Ft.)	\$ 17.15		\$ -	
(Break-up and bury Slab)	Demolition - Concrete Roads and Pads (Sq. Ft.)	\$ 8.52	17,800	\$ 152,000	
Structures = \$ 504,000					
Care and Maintenance					
	Site Monitoring and Reporting (Annual)	\$ 7,500	3	\$ 23,000	Section 2.10.5 of Report
	Trash Removal (Ton)	\$ 75	5	\$ 400	
Care and Maintenance = \$ 23,400					
Construction					
	Construction - Chain-Link Fencing (Linear Ft.)	\$ 9.21	14,600	\$ 134,000	Section 2.10.5 of Report
	Install Rip Rap Erosion Lining (Sq. Yd)	\$ 118.00		\$ -	
	Install Access Restriction Sign	\$ 83.40	20	\$ 2,000	
Construction = \$ 136,000					
Est. Reclamation Operating and Material (O&M) Cost Sub-Total = \$ 677,400					

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		2 of 12
Project			Subject			
CalPortland - Diablo Operation			Estimated Cost Summary (2 of 2)			

Reclamation Item	Description and Units	Est. Cost	Number of Units	Cost	References/Notes
Est. Reclamation Operating and Material (O&M) Cost Sub-Total (from page 1) = \$ 677,400					
Material Haulage for Backfill					
	Truck and Loader - 2000Ft. One Way (Cu. Yd)	\$ 1.21		\$ -	
	Dozer and Scraper - 1000Ft. One Way (Cu Yd)	\$ 0.68		\$ -	
		Material Haulage = \$ -			
Plant Removal					Section 2.10.6 of Report
(Processing Equip)	Removal - Plants	\$ 249,000.00	1.0	\$ 249,000	
(Beltline)	Removal - Conveyor			\$ -	
		Plant Removal = \$ 249,000			
Est. Reclamation Operating and Material (O&M) Cost Sub-Total = \$ 926,400					
Cost Adjustment					Section 2.10.7 of Report https://www.usinflationcalculator.com/inflation/current-inflation-rates/
Template based on 2024 costs	Consumer Price Index Increase			\$ -	
		Cost Adjustment = \$ -			
Est. Reclamation Operating and Material (O&M) Cost Total = \$ 926,400					
Administrative Costs					Section 2.10.8 of Report ARPA Recommendations ARPA Recommendations ARPA Recommendations ARPA Recommendations ARPA Recommendations
% of O&M Cost	Contingency	10%		\$ 93,000	
% of O&M Cost	General Mobilization/De-Mobilization	4%		\$ 37,000	
% of O&M Cost	Indirect costs	2%		\$ 19,000	
% of O&M Cost	Contractor Profit	10%		\$ 93,000	
% of O&M Cost	Contract Administration	10%		\$ 93,000	
		Administrative Costs = \$ 335,000			
Total Estimated Financial Assurance Amount = \$ 1,261,400					

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		3 of 12
Project			Subject			
CalPortland - Diablo Operation			Unit Cost Basis			

The unit cost basis for the estimate is based on two key databases				References/Notes
- RS Means - Facilities Construction Cost Data -2023, and - Caterpillar Performance Handbook, Edition 31.				
Equipment rental rates and operator labor rates are based on the RS-MEANS CREWS data, as referenced for each piece of equipment. The unit rates can be adjusted by the city cost index for specific locations, however, no adjustment was made since the Phoenix Area rates are close to the national average.				
CREWS DATA				
Earthmoving Equipment, cost \$/hr				RS Means : Facilities Construction Cost Data
List	Labor (1)*	Equipment (2)*	Total	
980G Loader	\$58	\$135	\$193 \$/hr	
775D Haul Truck	\$55	\$369	\$424 \$/hr	
Water Truck	\$55	\$60	\$115 \$/hr	
D10 Dozer	\$58	\$234	\$292 \$/hr	
325 Excavator	\$57	\$300	\$357 \$/hr	
16H Motor Grader	\$55	\$85	\$140 \$/hr	
631E Scraper	\$59	\$304	\$363 \$/hr	
80 ton Crane	\$61	\$281	\$342 \$/hr	
120 ton Crane	\$61	\$305	\$366 \$/hr	
LABOR DATA				
Mechanical labor	\$61	\$0	\$61 \$/hr	
Laborer	\$47	\$0	\$47 \$/hr	
MISC COST DATA				
Demolition/Removal - Metal Building and Foundation	\$	3.81	\$/Sq. Ft.	RACER (ver. 8.1.2)
Demolition//Removal - Block Building and Foundation	\$	7.61	\$/Sq. Ft.	RACER (ver. 8.1.2)
Demolition/Removal - Concrete Pads/roads 12"	\$	8.52	\$/Sq. Ft.	RACER (ver. 8.1.2)
Demolition/Removal - Chain-Link Fencing	\$	4.36	\$/Sq. Ft.	RACER (ver. 8.1.2)
Removal of Single-Pole Powerline	\$	12,560	\$/Mile	Haley & Aldrich Data
Removal of Electrical Transformers	\$	6,280	Each	Haley & Aldrich Data
Construction of Chain-Link Fence	\$	11.57	\$/ft	RACER (ver. 8.1.2)
Installation of Access Restriction/Public Safety Signs	\$	83.40	\$/sign	RACER (ver. 8.1.2)
Well Removal	\$	33.55	ft depth	
Trash Removal	\$	75	Ton	Allied Waste Quote
Transport and Unloading, Heavy	\$	1,570	\$/load	Haley & Aldrich Data
Transport and Unloading, Light	\$	1,068	\$/load	Haley & Aldrich Data
Broadcast Seeding				
w/ straw mulch, fertilizer, desert scrub seed mixture	\$	762	\$/acre	Haley & Aldrich Data
w/o mulch and fertilizer	\$	377	\$/acre	Haley & Aldrich Data
Hydroseed				
w/ mulch and desert scrub type seed mixture	\$	1,476	\$/acre	Haley & Aldrich Data
Septic System Removal	\$	1,000	\$/tank	Haley & Aldrich Data
(1) Labor includes operating and maintenance labor				
(2) Equipment costs include operating, maintenance, rental costs				
* Labor and equipment costs are rounded to the nearest dollar				

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		4 of 12
Project			Subject			
CalPortland - Diablo Operation			Dozing Cost			

D10 Re-grading from 1.5H:1V slope to 3H:1V slope					References/Notes
D10 Dozing Productivity					
Push Factors	Optimum Production (CY/Hr)	950			(1) pg. 1-43 (200 Foot Push)
	Operator experience	0.875			(1) pg. 1-45
	Type of material	0.8			(1) pg. 1-45
	Grade of Push	1.6			(1) pg. 1-45
	Weight Correction	0.71			(1) pg. 1-41 Material Weight = 1.62 T/CY
Work Factor	50 minutes/hour	0.83			(1) pg. 1-45
	Average Production (CY/Hr)	629			
	Average Daily Production (CY)	5,036			(8-hour work day)
D10 Dozer Cost					
	Dozer Rental (Monthly)	\$ 23,664			(2) Line # 015433204360
	Ownership Cost (Daily)		\$ 1,076		(22 working days/month)
	Dozer Operating Cost (Hourly)	\$ 116			(2) Line # 015433204360
	Operating Cost(Daily)		\$ 928		(8-hour work day)
	Dozer Labor Cost (Hourly)	\$ 58			(2) crew B-10M
	Labor Cost (Daily)		\$ 464		(8-hour work day)
	Dozer Total Cost (Daily)		\$ 2,468		
	Cost per CY		\$ 0.49		
(1) Caterpillar Performance Handbook, Edition 31					
(2) RS Means 2023					

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		5 of 12
Project			Subject			
CalPortland - Diablo Operation			Scarifying Cost			

					References/Notes
Scarifying - Motor Grader					
16H Grader Productivity					
	Ripper beam (Ft.)	9.75			(1) pg. 3-13, 17.8 inch max depth
	Max first gear with std tires (mph)	2.4			(1) pg. 3-12
	Feet per mile	5,280			
	Half Speed in Ft./Hr.	6,336			assumes 2 passes are
	Double-pass factor	0.5			adequate for road scarifying
	Effective speed in Ft./Hr.	3,168			
Work Factor	Optimum area/hour (Sq. Ft./Hr.)	30,888			
	50 minute hour	0.83			(1) pg. 3-15
	Average area/hour (Ft. ² /Hr.)	25,637			
	Average area Daily (Sq. Ft.)	205,096			(8-hour work day)
Grader Cost (40,000 lb)					
	Grader Rental (Monthly)	\$ 11,832			(2) Line # 015433201920
	Ownership Cost (Daily)		\$ 538		(22 working days/month)
	Grader Operating Cost (Hourly)	\$ 57			(2) Line # 015433201920
	Operating Cost(Daily)		\$ 456		(8-hour work day)
	Grader Labor Cost (Hourly)	\$ 55			(2) crew B-11L
	Labor Cost (Daily)		\$ 440		(8-hour work day)
	Grader Total Cost (Daily)		\$ 1,434		
	Cost per Sq. Ft.		\$ 0.0070		
	Cost per Linear Ft. of Road		\$ 0.28		(40-foot-wide road)
(1) Caterpillar Performance Handbook, Edition 31					
(2) RS Means 2023					

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		6 of 12
Project			Subject			
CalPortland - Diablo Operation			Excavator Costing			

					References/Notes
325 Excavator Productivity					
Factors	Heaped bucket capacity (Cu. Yd.)	1.5			(1) pg. 5-117 Bucket size selected for the
	Optimum Cycles/Hr.	180			(1) pg. 5-1555 325 Excavator = 1.5 CY
	Bucket Fill factor	1.0			(1) pg. 5-126
	50 minutes/Hr.	0.83			Material Weight = 1.62T/CY
	Average Hourly Production (Cu. Yd.)	224			
	Average Daily Production (Cu. Yd.)	1,793			(8-hour work day)
325 Excavator Cost					
	Excavator Rental (Monthly)	\$ 6,725			(2) 01590 200 0200 pg. 20
	Ownership Cost (Daily)		\$ 306		(22 working days/month)
	Excavator Operating Cost (Hourly)	\$ 29			(2) 01590 200 0200 pg. 20
	Operating Cost (Daily)		\$ 232		(8-hour work day)
	Excavator Labor Cost (Hourly)	\$ 57			(2) crew B12-D, pg. 1099
	Labor Cost (Daily)		\$ 456		(8-hour work day)
	Excavator Total Cost (Daily)		\$ 994		
	Cost per Cu. Yd.		\$ 0.55		
(1) Caterpillar Performance Handbook, Edition 31 (2) RS Means 2023					

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		7 of 12
Project			Subject			
CalPortland - Diablo Operation			Scraper Costing			

					References/Notes
631E Scraper					
Scraper capacity (heaped)		31 Cu. Yd.			Yd.
Rated load		37.5 ton			(1) pg. 9-5
Scraper Productivity					
Bank Cu. Yd./Hr, 4% RR, 1000 ft haul		540			(1) pg. 9-67
Material correction		0.93			Material Weight = 1.62 T/Cu. Yd.
50 minute hour		0.83			
Actual bank Cu. Yd. per hour		415			
631 Scraper Cost					
Scraper Rental (Monthly)	\$	14,900			(2) 01590 200 3700 pg. 21
Ownership Cost (Daily)			\$	677	(22 working days/month)
Scraper Operating Cost (Hourly)	\$	75			(2) 01590 200 3700 pg. 21
Operating Cost(Daily)			\$	600	(8-hour work day)
Scraper Labor Cost (Hourly)	\$	34			(2) crew B-33D, pg. 1099
Labor Cost (Daily)			\$	272	(8-hour work day)
Scraper Total Cost (Daily)			\$	1,549	
D9 Dozer Cost					
D9 Rental (Monthly)	\$	14,300			(2) 01590-200 4370, pg. 21
Ownership Cost (Daily)			\$	650	(22 working days/month)
D9 Operating Cost (Hourly)	\$	65			(2) 01590-200 4370, pg. 21
Operating Cost(Daily)			\$	520	(8-hour work day)
D9 Labor Cost (Hourly)	\$	34			(2) crew B-10M, pg. 1099
Labor Cost (Daily)			\$	272	(8-hour work day)
D9 Total Cost (Daily)			\$	1,442	
Total Fleet					
Total Fleet Cost (Daily)	\$	4,541			(1 - D9, 2 - 631)
Total Fleet Productivity (BCY/Hr)		830			
Total Fleet Productivity (BCY/Day)				6,640	
Cost per Cu. Yd. Moved	\$			0.68	
Cubic yards in 1 linear foot of 40 ft wide road, 1 foot thick (Cu. Yd.) 1.48 Cost of placing 1 linear foot (40 foot wide road) \$ 1.01					
(1) Caterpillar Performance Handbook, Edition 31 (2) RS Means 2023					

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		8 of 12
Project			Subject			
CalPortland - Diablo Operation			Truck haul (1 of 2)			

					References/Notes
980G Loader Productivity					
Cycle Time Factors	Basic Cycle Time (minutes)	0.55			(1) pg. 13-46
	Material type (minutes)	0.02			(1) pg. 13-46
	Type of Pile (minutes)	0.02			(1) pg. 13-46
	Common ownership trucks/loaders	0			(1) pg. 13-46
	Constant operation	0			(1) pg. 13-46
	Small target (minutes)	0.025			(1) pg. 13-46
	Fragile target	0			(1) pg. 13-46
Work Factor	Total Cycle Time (minutes)	0.615			
	Optimum Cycles/Hr.	98			
	50 minutes/Hr.	0.83			(1) pg. 13-47
	Average Cycles/Hr.	81			
	Bucket Full Load (Cubic Yards)	7.5			(1) pg. 13-29
	Bucket Fill Factor	0.9			(1) pg. 13-46
	Average Bucket Load (Cubic Yards)	6.75			
	Average Volume Loaded/Hr	547			
980G Loader Cost					
	Loader Rental (Monthly)	\$	13,015		(2) 015433204560
	Ownership Cost (Daily)			\$ 592	(22 working days/month)
	Loader Operating Cost (Hourly)	\$	77		(2) 015433204560
	Operating Cost(Daily)			\$ 616	(8-hour work day)
	Loader Labor Cost (Hourly)	\$	58		(2) crew B-10M pg. 1099
	Labor Cost (Daily)			\$ 464	(8-hour work day)
	Loader Total Cost (Daily)			\$ 1,672	
775D Truck Productivity					
Cycle Time Factors	Truck Volume (Cubic Yards)	41.1			(1) pg. 10-3
	Loader Cycles needed to Fill Truck	6.09			Use Loader Avg Bucket Load (CY)
	Average Cycles per Truck	6			
	Average Truck Payload (Cubic Yards)	40.5			
	Basic Load Time (minutes)	4.45			Calculated from Loader rate
	Maneuver - Load Area (minutes)	0.5			(1) pg. 10-8
	Maneuver - Dump Area (minutes)	1.1			(1) pg. 10-8
Work Factor	Haul Time (minutes)	1.2			(1) pg. 10-8
	Return Time (minutes)	1.2			(1) pg. 10-8
	Optimum Truck Cycle Time (minutes)	8.45			(1) pg. 10-8
	Optimum Truck Cycles/Hr.	7.1			(1) pg. 10-8
	50 minutes/Hr.	0.83			Assumption
	Average Truck Cycles/Hr.	5.9			
	Average (Cu.Yd.)/Hr. (for 1 truck)	239			
	Average (Cu.Yd.)/Hr. (for 2 trucks)	478			
(1) Caterpillar Performance Handbook, Edition 31					
(2) RS Means 2023					

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		9 of 12
Project			Subject			
CalPortland - Diablo Operation			Truck Haulage (2 of 2)			

					References/Notes
775D Truck Cost					
Truck Rental (Monthly)	\$	12,800			(1) 01590 200 5620 p22
Ownership Cost (Daily)			\$	582	(22 working days/month)
Truck Operating Cost (Hourly)	\$	57			(1) 01590 200 5620 p22
Operating Cost(Daily)			\$	456	(8-hour work day)
Truck Labor Cost (Hourly)	\$	55			(2) crew B-34A
Labor Cost (Daily)			\$	440	(8-hour work day)
Truck Total Cost (Daily)			\$	1,478	
Trucks (2T total Cost (Daily)			\$	2,956	
Loader Total Cost (Daily)			\$	1,672	
Fleet Total Total Cost (Daily)			\$	4,627	
Total Fleet Productivity (Cu. Yd. per Day)				3,821	(8-hour work day)
Fleet Cost per Cu. Yd.					
	\$			1.21	
(1) Caterpillar Performance Handbook, Edition 31					
(2) RS Means 2023					

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		10 of 12
Project			Subject			
CalPortland - Diablo Operation			Crane Costing			

					References/Notes
Rubber Tired Hydraulic Crane - 80 -on Capacity					
80-Ton Crane Cost					
Crane Rental (Monthly)	\$	11,250			(2) 01590 500 2700 pg. 27
Ownership Cost (Daily)			\$	511	(22 working days/month)
Crane Operating Cost (Hourly)	\$	58			(2) 01590 500 2700 pg. 27
Operating Cost(Daily)			\$	464	(8-hour work day)
Crane Labor Cost (Hourly)	\$	42			(2) crew B-95A, pg. 1100
Labor Cost (Daily)			\$	336	(8-hour work day)
Crane Total Cost (Daily)			\$	1,311	(8-hour work day)
Crane Total Cost (Hourly)			\$	164	
Rubber Tired Hydraulic Crane - 120-Ton Capacity					
120-Ton Crane Cost					
Crane Rental (Monthly)	\$	27,500			(2) 01590 500 2740 pg. 27
Ownership Cost (Daily)			\$	1,250	(22 working days/month)
Crane Operating Cost (Hourly)	\$	89			(2) 01590 500 2740 pg. 27
Operating Cost(Daily)			\$	712	(8-hour work day)
Crane Labor Cost (Hourly)	\$	42			(2) crew B-95A, pg. 1100
Labor Cost (Daily)			\$	336	(8-hour work day)
Crane Total Cost (Daily)			\$	2,298	(8-hour work day)
Crane Total Cost (Hourly)			\$	287	
(1) Caterpillar Performance Handbook, Edition 31					
(2) RS Means 2023					

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		11 of 12
Project			Subject			
CalPortland - Diablo Operation			Rip Rap Erosion Control			

Material Cost, Hauling, and Placing Erosion Control Structures - Rip Rap				References/Notes
Description	Units	Total Cost		
18" Minimum thickness, not grouted				
Material (sq. yd.)	1	\$ 23		(2) Line # 313713100200
Labor (per unit)	1	\$ 53		(2) Line # 313713100200
Equipment (per unit)	1	\$ 42		(2) Line # 313713100200
Estimated Cost per Square Yard for Rip Rap Material and Install =				
		\$ 118.00		
(1) Caterpillar Performance Handbook, Edition 31 (2) RS Means 2023				

Appendix A
Reclamation Cost Estimate
CalPortland - Diablo Operation

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
2/28/2025	EJM	205651	RAB	2/28/2025		12 of 12
Project			Subject			
CalPortland - Diablo Operation			Plant Removal			

Removal of Crushing/Screening plants or Wash Plants			References/Notes
Description	Units	Total Cost	
80 Ton Crane (Hr)	250	\$ 41,000	
120 Ton Crane (Hr)	100	\$ 29,000	
Mechanical Labor (Hr)	1,500	\$ 92,000	
Loading/Unloading Labor (Hr)	400	\$ 19,000	
Light Transportation (Trips)	30	\$ 32,000	
Heavy Transportation (Trips)	23	\$ 36,000	
Estimated Total Cost for Plant Removal =		\$ 249,000	