Version: 8-31-18

FINANCIAL ASSURANCE COST ESTIMATE

FOR

STEVENS CREEK QUARRY

(Mine Name)

CA Mine ID # 91- 43-0007

Reclmation Plan #/Name STEVENS CREEK QUARRY RECLAMATION PLAN, #1996-16-62-94P

Prepared by: *(Name & Affiliation)*	This financial assurance cost estimate prepared and submitted pursuant to *(choose one)* :
BENCHMARK RESOURCES 2515 EAST BIDWELL STREET FOLSOM, CA 95630 Date: October 11, 2019	☐ A new or amended reclamation plan approved on (Date): ☒ An annual mine inspection performed on (Date): September 12, 2019 ☐ Other: Please Specify:

Most Recent Approved Financial Assurance Cost Estimate

Date: November 17, 2017 (revised March 7, 2018)

Amount: $ 1,911,126

Amount of existing Financial Assurance Mechansim(s)

Date: 2017

Amount: $ 2,304,756.29

I. SUPPORTING DOCUMENTS

This estimate represents the cost of conducting and completing reclamation in accordance with the Surface Mining and Reclamation Act (SMARA) and the following supporting documents:

Reclamation Plan Approval Date and Number

Original Reclamation Plan approved 12/6/83 (#1253-16-62-83P-83A)

Permits and/or Environmental Documents Approved as, or Conditional upon, the Reclamation Plan

Reclamation Plan Amendment Conditions of Approval (1253-16-62-078) May 14, 2009

Other Agency Financial Assurances Securing Reclamation of Disturbed Lands

N/A

Wage Rates used in Cost Estimate* *(cost estimates are required to use current 'General prevailing wage determinations made by the director of industrial relations' where applicable (http://www.dir.ca.gov/OPRL/PWD/index.htm) with employer labor surcharge added, or greater)*

State of California Department of Industrial Relations, 2019-2 Index for Northern California basic trade journeymen rates.

Equipment Rates used in Cost Estimates* *(use current 'Labor Surchage and Equipment Rental Rates (Cost of Equipment Ownership)' equipment rates published by Caltrans (http://www.dot.ca.gov/hq/construc/equipmnt.html) or other publicly available and verifiable local rates)*

State of California Transportation Agency, Department of Transportation Division of Contraction Labor Surcharge and Equipment Rental Rates, Effective April 1, 2019 through March 31, 2020.

Equipment Production Rates used in Cost Estimate *(Use of current Caterpillar Performance Handbook or equivalent published production rates is required)*

Caterpillar Performance Handbook, 48th Edition (June 2018)

**Many mine sites are remote projects that require hours of travel (to and from) and sometimes require additional time to prepare for even the simplest of tasks. In accordance with labor Code Sections 1773.1 and 1773.9, contractors are required to make travel and/or subsistence (per diem) payments to each worker to execute the work. These arrangements can be quite variable and site specific.*

Attachments:

Figure 1, "Reclamation Plan"
Figure 2, "Grading Areas"
Figure 3, "Revegetation Areas"
Figure 4, "Cross Sections"

Attachment A, "Seed and Equipment Costs"
Attachment B, "Demolition Quote"

(add additional pages as needed)

II. Description of Current Site Conditions

(i.e., disturbed acres, slope conditions, excavation depths, topsoil and overburden stockpiles, equipment and facilities, reclamation in progress, erosion control status, required corrective actions, etc.)

The quarry operations and footprint of surface disturbance is well established and has remained virtually unchanged for decades. Materials are mined from increasing depths within the primary extraction area on the portion of the property known as "Parcel B."

As a result of a Complince Agreement and Stipulated Order to Comply dated 5/16/2018, the operator has undertaken steps to correct deficiencies noted by the County, including an "In-Depth Geologic Investigation," which was completed January 3, 2019. That investigation determined that a portion of the mined highwall was oversteepened, as compared to the approved reclamation plan, resulting in potentially unstable conditions. The County issued a "Statement of Inadequacy" on 1/23/19, withdrawing its prior "Statement of Adequacy" for the 2018 FACE on 12/26/18 and requiring an updated FACE be submitted within 30 days addressing methods to correct the slope stability.

This FACE provides the costs to lay back the western slope in order to cut out the unstable portions of the existing slope in the higher elevation and create fill material for a 3:1 cut slope in the lower elevations for an overall 3:1 slope consistent with the geotechnical recommendations. It is recognized that the lay back, if it would ever need to be implemented, falls on neighboring property where an agreement for the mining and a reclamation plan amendment would be required.

III. Description of Anticipated Site Conditions (12 months from date of estimate)

(i.e., increase of disturbed acres, increase of depth, increases in amount of equipment and/or facilities, required corrective actions, etc.)

No significant changes to mining or reclamation are anticipated in the next 12 months. This FACE provides the appropriate costs to correct potential slope instability in the event it needs to be completed within a short time frame. However, ultimately, the approved reclamation plan for the quarry anticipates that backfill will be imported to both buttress slopes and to fulfill the landowners' desired postmining condition. That process, which would be lengthy, would correct the stability issue, but could not be implemented in a short time frame for SMARA compliance because of the significant volumes of fill that are not readily available.

IV. Description/Justification of Cost Increase/Decrease

The estimated cost of reclamation would be significantly increased based on the "In-Depth Geologic Investigation," which proposed 3:1 slopes to meet a 1.5 factor of safety suggested by the current County staff. (The geotechnical study for the approved 2009 reclamation plan amendment was based on a factor of safety of between 1.3 and 1.5.)

(add additional pages as needed)

V. PLANT STRUCTURES AND EQUIPMENT REMOVAL *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Current Site Condition:

Active mine site with crushing, screening, and conveying equipment on the site.

Reclamation Plan Performance Standard (End Use):

Open space or other condition suitable for future development as allowed under the County Zoning Code.

Describe tasks:

Remove crusher, screens, and conveyor system. Disassemble equipment for sale or scrap. Break concrete and dispose. Cost based on third party estimate completed in February 2018. See Attachment B, "Demolition Quote."

Equipment on site wholly owned by operator?: [X] YES [ ] NO

(if no, please provide the name/s and contact information for any lien holder)

(add additional pages as needed)

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V. PLANT STRUCTURES & EQUIPMENT REMOVAL

DISMANTLE AND TRANSPORT CRUSHING EQUIPMENT OFF-SITE

(↑ Describe Reclamation Activity Being Estimated)

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
NA		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		Total Equipment Cost for this Task =		$0

B. Labor - List all labor categories to complete identified task

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr *(where applicable)* (enter % of wage) 0.0%	# of Hours	Cost ($)
NA	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
		Total Labor Cost for this Task =		$0

C. Demolition - List all structures and equipment to be dismantled or demolished and removed from site

Structure/Equipment to be removed	Type of Material	Volume/ Quantity	Unit Cost Basis	Disposal Cost	Cost ($)
Offices, Scales, Crushing and Screening, All Shops	various	0.00	$0.00	$168,600.00	$168,600
Storage Buildings, Sand Plant, Rock Plant, Crusher	various	0.00	$0.00	$285,000.00	$285,000
Concrete Demolition and Removal	various	0.00	$0.00	$25,500.00	$25,500
Concrete Recycle Plant Removal	various	0.00	$0.00	$30,000.00	$30,000
Topsoil Plant Removal	various	0.00	$0.00	$15,000.00	$15,000
			Total Materials Cost for this Task =		$524,100

D. Total Direct Cost of Structure and Equipment Removal (Total A+B+C)

Equipment Cost + Labor Cost + Demolition Cost = $524,100

E. Net Salvage Value* (Supported by properly prepared third party estimate, bid, or cost calculation)

Net Salvage Value = $ **759,000.00**

F. Total Cost of Structure and Equipment Removal (Subtract Line D from Line E)

Total Cost of Structure and Equipment Removal = **$0**

NOTE: Above **Total Cost** will display $0.00 if net of entered removal costs and salvage value is negative.

*Note: Salvage value may only be used to offset the direct cost of removing the single item for which salvage value is being claimed. Salvage value shall not be used to offset any other demolition, general cleanup, or reclamation costs.

VI. PRIMARY RECLAMATION ACTIVITY

Use multiple sheets as necessary to estimate the cost of each activity required. Provide documentation showing that rates, prices, and wages are available locally to the lead agency and/or the Department if necessary.

Current Site Conditions:

The quarry configuration and surrounding surface disturbance are well established and have remained virtually unchanged for decades because the materials are mined from increasing depths within the quarry. Provide increase in costs to lay back the western slope in order to cut out the unstable portions of the existing slope in the higher elevation and create fill material for a 3:1 cut slope in the lower elevations for an overall 3:1 slope consistent with the geotechnical recommendations.

Overburden has also been placed back into areas of the pit in which mining is complete. Approximately 567,000 cubic yards have been backfilled into the pit in 2018.

Reclamation Plan Performance Standard (End Use):

Open space or other condition suitable for future development as allowed under the County Zoning Code. Reclamation plan calls for lower quarry slopes to be no steeper than .5:1 and upper quarry slopes to be no steeper than 1.5:1. However, due to potential instability of the western slope, the County is currently requring a FACE to cover costs for grading a 3:1 final slope.

Describe tasks, methods, equipment, etc:

Decompaction, cut, fill, haul, slope reduction, compaction, grading, topsoil placement, drainage work, soil amendment, special requirements, etc. Separate sheets may be used for each task if necessary.

Cut upper highwall in northwest area of quarry (approximately 4.5 million cubic yards), and fill below, creating overall slope of 3:1. Grade approximately 30 acres of quarry floor. See Figure 2.

Provide Quantities:

Overburden and topsoil, cut and fill, import or export (cubic yards), area (acres), haul distance (feet), equipment production rates (cubic yards/hour, or as applicable), etc.

See page 7 of 14 for details.

Provide Quantities:
Overburden and topsoil, cut and fill, import or export (cubic yards), area (acres), haul distances (feet), equipment production rates (cubic yards/hour, or as applicable), etc.

Benchmark staff has reviewed the geotechnical report provided by BAGG Engineers (dated January 3, 2019). The report identifies slope instability across the western slope of the pit. BAGG engineers recommend a 3:1 fill slope in order to stabilize the slope. Fill requirements to develop a 3:1 slope from the pit edge beyond the area of instability (beyond the cracks) to the bottom of the pit is far beyond the volume of fill that is currently on site.

Benchmark staff visited the SCQ in February 2019, and inspected the locations of the physical cracks on the western slope. The cracking around the pit edges (at crest of pit slope) was observed and mapped.

The calculations for the fill requirements at Stevens Creek Quarry (SCQ) have been completed by Benchmark staff. DWG/DXF files were used to complete the volume calculations. These DWG/DXF files were provided by Muir Consulting. Muir Consulting completed flyover for topo and aerial in December 2018.

For the purpose of this FACE, a revised slope design has been developed that includes a 3:1 layback cut slope for the western pit slope. The cut material will be used for a fill slope in the lower elevations of the pit. This cut and fill of the new slope design can be seen in both Figure 1, and in cross sections of Figure 4.

The cut material from the 3:1 layback is approximately 4,5 million cubic yards. The fill material requirement for the lower fill slope is approximately 5.4 million cubic yards. With an assumed 1.2 swell factor, the cut and fill of the 3:1 slope design will be balanced.

Approximately 2 million tons of excess fill material remains on site if needed. No imported material will be needed in the design provided.

All volume calculations for this site were performed using DWG/DXF files provided from Muir Consulting. Volume calculation were made in both Autocad and Surpac. The volume calculations were led and checked by Andrew Heinemann at Benchmark Resources. Andrew Heinemann is a California professional geologist, and has a master's degree in mining engineering

As this FACE is completed, the Operator, along with Benchmark Resources, and Bagg Engineers are working with the County to develop a mine plan design to provide stable quarry slopes as part of an amendment to the reclamation plan. Once that amendment is approved, further volume calculations will be performed in order to find the volume necessary to meet reclamation requirements for the amended plan, and the relevant volumes will be incorporated appropriately into the next FACE.

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(Mine Name)

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VI. PRIMARY RECLAMATION ACTIVITY

GENERAL GRADING (UPPER SLOPES, QUARRY FLOOR, AND STOCKPILE AREAS)

(↑ Describe Reclamation Activity Being Estimated)

Acres:	30	Overburden (cy):	NA
Haul Distance (ft):	NA	Topsoil (cy):	NA
Production Rate (cy/hr):	3 acres/hour	*(NOTE: no automatic calculations occur to data in this upper table)*	

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
Caterpillar D8R Dozer - CAT-4870	hrs	$182.46	10.0	$1,825
Water Truck - T&TT-48-60	hrs	$68.12	10.0	$681
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		Total Equipment Cost for this Task =		$2,506

B. Labor - List all labor categories to complete identified tasks

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr *(where applicable)* (enter % of wage) 0.0%	# of Hours	Cost ($)
Operating Engineer	$75.76	$0.00	10.0	$758
Truck Driver	$62.67	$0.00	10.0	$627
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
		Total Labor Cost for this Task =		$1,384

C. Materials - List all materials required to complete identified task

Item	$/Unit	Sales tax (enter local rate in %) 0.0%	Quantity	Cost ($)
NA	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
		Total Materials Cost for this Task =		$0

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = $3,890

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VI. PRIMARY RECLAMATION ACTIVITY

LAYBACK CUT AND FILL WEST SLOPE

(↑ Describe Reclamation Activity Being Estimated)

Acres:	NA	Overburden (cy):	4,500,000 cubic yards
Haul Distance (ft):	average 125 feet	Topsoil (cy):	NA
Production Rate (cy/hr):	See below	*(NOTE: no automatic calculations occur to data in this upper table)*	

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
Caterpillar 637D Push-Pull Scraper *(1,450 cy/hr working together)* - CAT-2470	hrs	$324.01	6208.0	$2,011,454
Caterpillar D8R Dozer (250 cy/hr) - CAT-4870	hrs	$182.46	3104.0	$566,356
Water Truck - T&TT-48-60	hrs	$68.12	3104.0	$211,444
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
			Total Equipment Cost for this Task =	$2,789,254

B. Labor - List all labor categories to complete identified tasks

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr *(where applicable)* (enter % of wage) 0.0%	# of Hours	Cost ($)
Operating Engineer (Scraper)	$75.76	$0.00	6208.0	$470,318
Operating Engineer (Dozer)	$75.75	$0.00	3104.0	$235,128
Truck Driver	$62.67	$0.00	3104.0	$194,528
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
			Total Labor Cost for this Task =	$899,974

C. Materials - List all materials required to complete identified task

Item	$/Unit	Sales tax (enter local rate in %) 0.0%	Quantity	Cost ($)
NA	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
			Total Materials Cost for this Task =	$0

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = $3,689,228

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VI. PRIMARY RECLAMATION ACTIVITY

CREST OF NORTH SLOPE INSTABILITY FROM PG&E POLE REPLACEMENT ROAD–REMOVE AND RECOMPACT

(↑ Describe Reclamation Activity Being Estimated)

Acres:	NA	Overburden (cy):	8,000 cubic yards
Haul Distance (ft):	NA	Topsoil (cy):	NA
Production Rate (cy/hr):	500 cy/hr	*(NOTE: no automatic calculations occur to data in this upper table)*	

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation jobs, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
Caterpillar D8R Dozer - CAT-4870	hrs	$182.46	16.0	$2,919
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		Total Equipment Cost for this Task =		$2,919

B. Labor - List all labor categories to complete identified tasks

Labor Category	$/Hour (prevailing wage)	Labor Surcharge/Hr *(where applicable)* (enter % of wage) 0.0%	# of Hours	Cost ($)
Operating Engineer	$75.76	$0.00	16.0	$1,212
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
		Total Labor Cost for this Task =		$1,212

C. Materials - List all materials required to complete identified task

Item	$/Unit	Sales tax (enter local rate in %) 0.0%	Quantity	Cost ($)
NA	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
		Total Materials Cost for this Task =		$0

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = $4,132

VII. REVEGETATION *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to the lead agency and/or the Department.

Current Site Condition:

Most vegetation within the quarry and other surface disturbance area has been removed. These areas will require revegetation.

Reclamation Plan Performance Standard (End Use):

Open space or other condition suitable for future development as allowed under the County Zoning Code. Revegeation for the site includes grasses and forbes.

Describe Tasks:

Quarry slopes and floor revegetated for erosion control, plus container trees planted for aesthetics. Quarry floor surfaces revegetated for erosion control, pending establishment of subsequent land uses. Straw mulch and hydroseed disturbed surfaces (148 acres, see Figure 3).

(add additional pages as needed)

VII. REVEGETATION *(use multiple sheets as needed)*

REVEGETATE

(↑ Describe Revegetation Activity Being Estimated)

Methods to be used:

A. Equipment - List equipment to complete identified task. For large reclamation projects, separate mine areas.

Equipment	Unit of Measure	$/Unit	# of Units	Cost ($)
ATV Purchase Price	total cost	$10,000.00	1.0	$10,000
Broadcast Seed Spreader Purchase Price	total cost	$400.00	1.0	$400
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		$0.00	0.0	$0
		Total Equipment Cost for this Task =		$10,400

B. Labor - List all labor categories to complete identified task.

Labor Category	$/Hour (prevailing wage)	Labor Surcharge /HR (where applicable) (enter % of wage) 0.0%	# of Hours	Cost ($)
Landscape Laborer (Tree Planting)	$50.08	$0.00	274.0	$13,722
Landscape Laborer (Seeding) Year 1	$50.08	$0.00	18.0	$901
Landscape Laborer (Seeding) Year 2	$50.08	$0.00	2.0	$100
	$0.00	$0.00	0.0	$0
	$0.00	$0.00	0.0	$0
		Total Labor Cost for this Task =		$14,724

C. Materials - List all materials required to complete identified task

Item/Plant Species	Unit of measure	$/Unit	Sales tax (enter local rate in %) 0.0%	Quantity	Cost ($)
Trees (100 trees per acre)	acres	$900.00	$0.00	14.0	$12,600
Seed (Year 1)	acres	$2,500.00	$0.00	148.0	$370,000
Seed (Year 2)	acres	$2,500.00	$0.00	10.0	$25,000
Straw	acres	$100.00	$0.00	148.0	$14,800
300 existing oaks trees in pots on site	tree pots	$9.00	$0.00	-300.0	-$2,700
		$0.00	$0.00	0.0	$0
		$0.00	$0.00	0.0	$0
		$0.00	$0.00	0.0	$0
		$0.00	$0.00	0.0	$0
		$0.00	$0.00	0.0	$0
		Total Materials Cost for this Task =			$419,700

D. Total Direct Cost for this task

Equipment Cost + Labor Cost + Materials Cost = $444,824

VIII. MISCELLANEOUS COSTS *(use multiple sheets as needed)*

Provide documentation showing that rates, prices, and wages are available locally to all persons, including the lead agency and/or the Department.

Examples of this type of cost may include temporary storage of equipment and materials off site, special one-time permits (i.e. transportation permits for extra wide overweight loads, etc.), decommissioning a process mill (i.e. decontamination of equipment), disposal of warehouse inventories, well abandonnment, remediation of fueling and waste oil storage sites, septic system removal, costs to prepare closure and monitoring reports, site security, preserving potable water and maintaining utilities, etc.

Item/Task	Quantity	$/Unit	Cost ($)
Maintain Sediment Ponds & Associated Drainage Facilities:	0.0	$0.00	$0
Caterpillar 330L Excavator w/2.9 cy Bucket - CAT-0350	27.0	$136.27	$3,679
Operating Engineer	27.0	$75.76	$2,046
Hay bales (pounds)	140.0	$8.00	$1,120
	0.0	$0.00	$0
Invasive Species Prevention and Weed Control:	0.0	$0.00	$0
ATV (see *Revegetation* for purchase price)	0.0	$0.00	$0
ATV Driver	27.0	$62.67	$1,692
Transline Herbicide (gallons)	3.0	$260.00	$780
40 Gallon Trailer Mounted Sprayer	1.0	$1,000.00	$1,000

Total Miscellaneous Costs = $10,317

IX. MONITORING COSTS

Monitoring Task	$/Visit	# of Visits/Year	# of Monitoring Years	Cost ($)
Revegetation Monitoring	$2,560.00	1.0	2.0	$5,120
Geotechnical Monitoring	$4,800.00	1.0	2.0	$9,600
	$0.00	0.0	0.0	$0
	$0.00	0.0	0.0	$0
	$0.00	0.0	0.0	$0
	$0.00	0.0	0.0	$0
	$0.00	0.0	0.0	$0

Total Monitoring Costs = $14,720

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X. SUMMARY OF COSTS

This section shall be used to summarize all the cost sheets in one place.

(V) Total of all Plant Structures & Equipment Removal Costs	$	0
(VI) Total of all Primary Reclamation Activities Costs	$	3,697,250
(VII) Total of all Revegetation Costs	$	444,824
(VII) Total of all Miscellaneous Costs	$	10,317
(IX) Total of all Monitoring Costs	$	14,720
Total of Direct Costs	$	**4,167,110**

XI. SUPERVISION / PROFIT & OVERHEAD / CONTINGENCIES / MOBILIZATION

(A) Supervision (3.8 %)		$	157,905
(B) Profit/Overhead (7.2 %)		$	299,693
(C) Contingencies (7.0 %)		$	291,698
(D) Mobilization (3.0 %)		$	125,013
Total of Indirect Costs		$	**874,309**
Total of Direct and Indirect Costs		$	**5,041,419**
(E) Lead Agency and/or Dept. of Conservation Administrative Costs	8%	$	403,314

Total Estimated Cost of Reclamation $ **5,444,732**

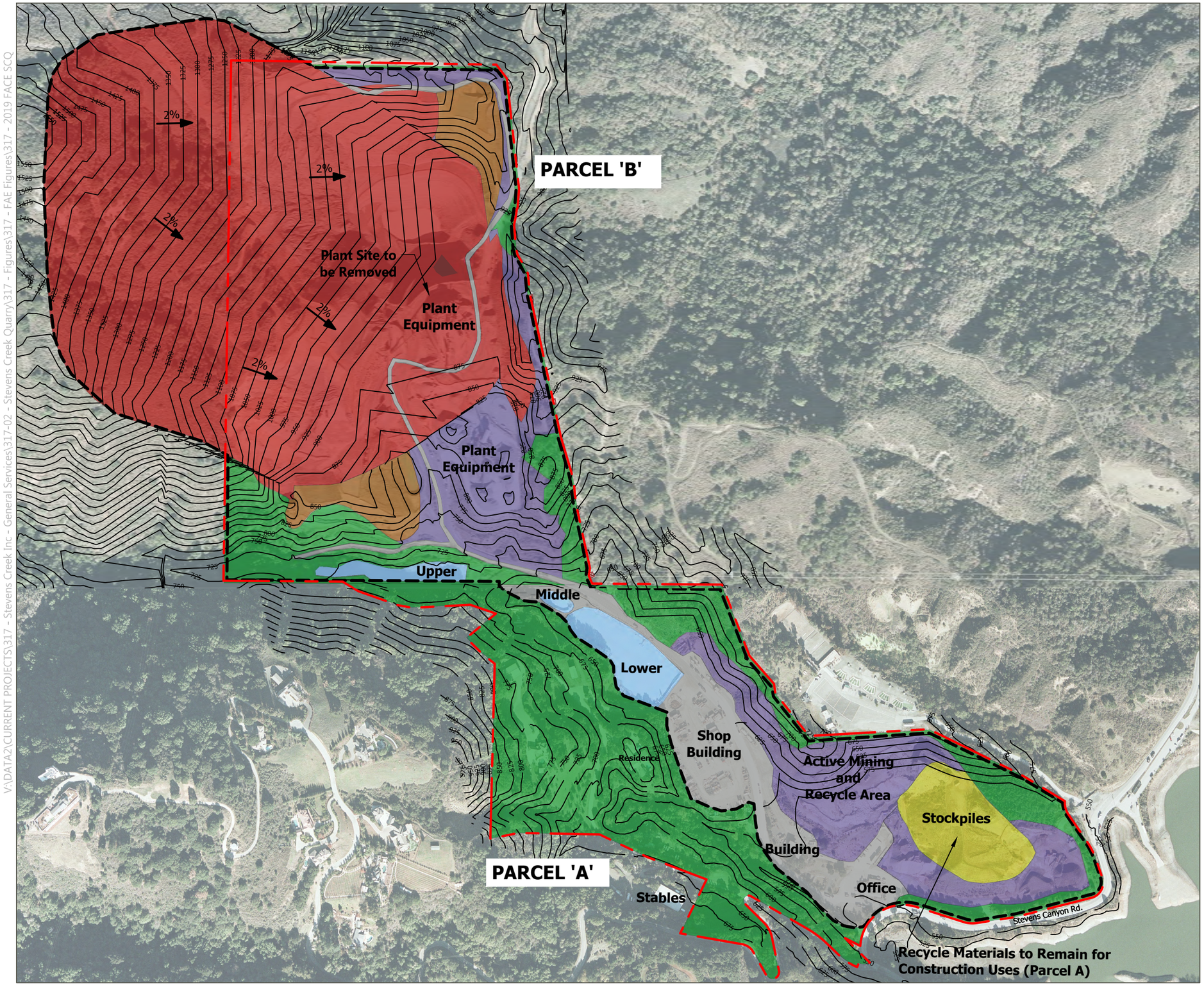
FIGURES

SOURCE: Topography–surveyed by Muir Consulting Inc. in December of 2018; compiled by Benchmark Resources in 2019

NOTES:

1. Contour Interval = 5'-0"
2. All facilities and configurations approximate only. In particular, surface disturbance boundaries are not expected to be identical to those depicted, although total acreage to be disturbed and reclaimed should be similar to depicted. While this plan reflects best available data, development may vary due to actual geologic conditions encountered, engineering and other considerations. Depending on availability, fill may continue to be imported and placed to the indicated elevations. See text of reclamation plan for full description.

Reclamation Plan
STEVENS CREEK QUARRY—2019 FACE
Figure 1



SOURCE: Aerial–Google Earth (8-9-2018); Topography–surveyed by Muir Consulting Inc. in December of 2018; compiled by Benchmark Resources in 2019

NOTES:

1. Contour Interval = 25'-0"
2. All facilities and configurations approximate only. In particular, surface disturbance boundaries are not expected to be identical to those depicted, although total acreage to be disturbed and reclaimed should be similar to depicted. While this plan reflects best available data, development may vary due to actual geologic conditions encountered, engineering and other considerations. Depending on availability, fill may continue to be imported and placed to the indicated elevations. See text of reclamation plan for full description.

Property Boundary

Limit of Surface Disturbance

Grading Surfaces

	Fill Slope Grading	±7 acres
	Highwall Slope Grading	±103 acres
	General Grading	±30 acres
	Stockpiles	±6 acres

Other Surfaces

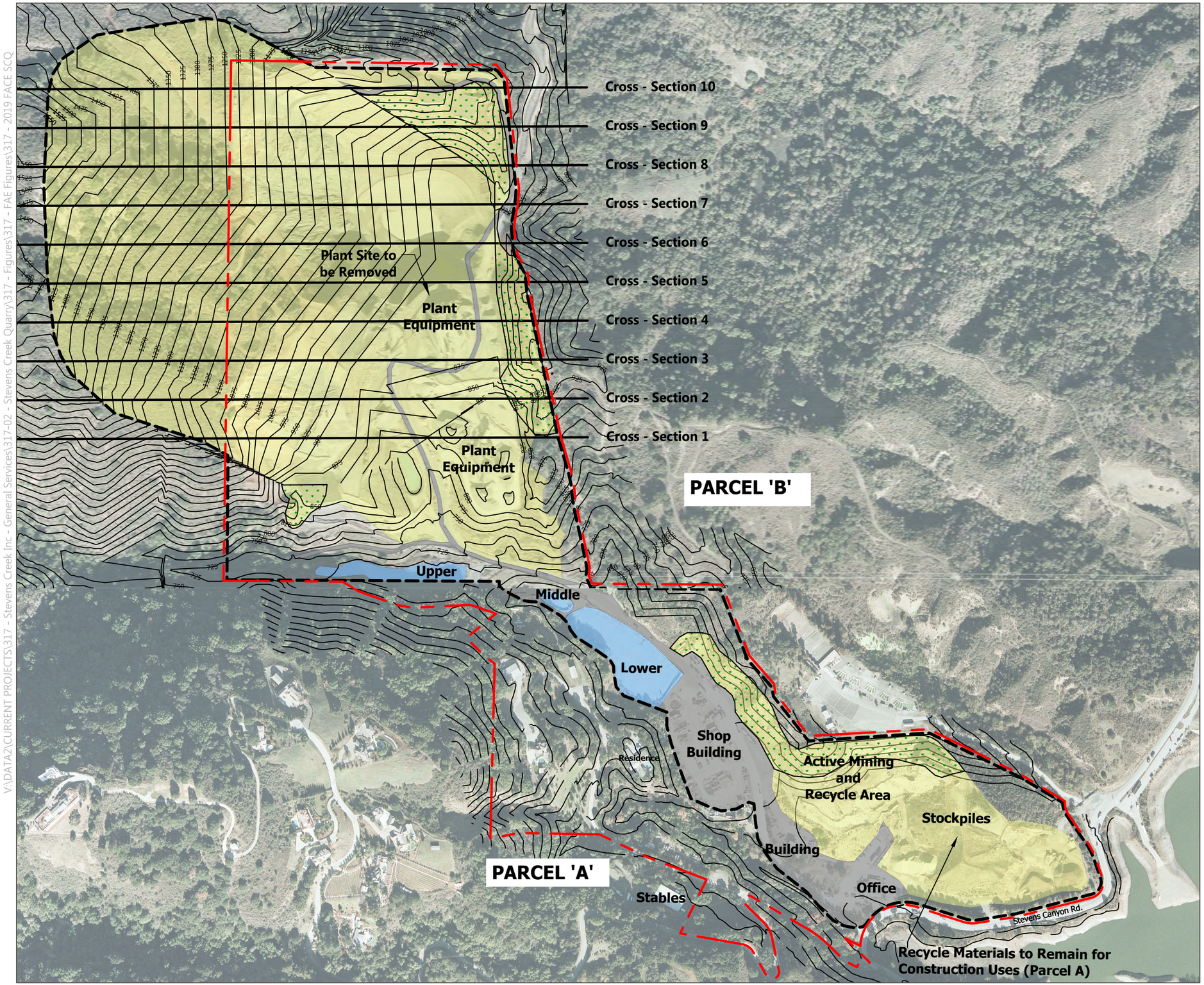
	Undisturbed	±58 acres
	Developed Surfaces and Facilities	±15 acres
	Settling Basin	±5 acres

BENCHMARK RESOURCES

N

0 250 500 1,000 Feet

Grading Areas
STEVENS CREEK QUARRY—2019 FACE
Figure 2



SOURCE: Aerial–Google Earth (8-9-2018); Topography–surveyed by Muir Consulting Inc. in December of 2018; compiled by Benchmark Resources in 2019

NOTES:

1. Contour Interval = 25'-0"
2. All facilities and configurations approximate only. In particular, surface disturbance boundaries are not expected to be identical to those depicted, although total acreage to be disturbed and reclaimed should be similar to depicted. While this plan reflects best available data, development may vary due to actual geologic conditions encountered, engineering and other considerations. Depending on availability, fill may continue to be imported and placed to the indicated elevations. See text of reclamation plan for full description.

Property Boundary

Limit of Surface Disturbance

Grading Surfaces

Grasses and Forbes	±147 acres
Tree ans Shrub Clusters (Schematic Location Only)	±14 acres

Other Surfaces

Developed Surfaces and Facilities	±15 acres
Settling Basin	±5 acres

BENCHMARK RESOURCES

N

0 250 500 1,000 Feet

Revegetation Areas
STEVENS CREEK QUARRY—2019 FACE
Figure 3

V:\DATA2\CURRENT PROJECTS\317 - Stevens Creek Inc - General Services\317-02 - Stevens Creek Quarry\317 - Figures\317 - FAE Figures\317 - 2019 FACE SCQ

ATTACHMENTS

ATTACHMENT A

SEED AND EQUIPMENT COSTS

REVISED REVEGETATION PALETTE

Scientific Name	Common Name	Seeding/Planting Rate	$/lb or plant	$/acre
GRASSES, FORBES, AND LEGUMES				
Achillea millifolium	White Yarrow	0.5 lb./ac	$55	$27.5
Bromus carinatus	California Bromegrass	10.0 lb./ac	$18	$180
Clarkia purpurea	Farewell to Spring	1.5 lb./ac	$60	$90
Elymus glaucus	Blue Wildrye	8.0 lb./ac	$32	$256
Lotus purshianus	Spanish Clover – inoc.	2.0 lb./ac	$65	$130
Lotus scoparius	Deerweed	4.0 lb./ac	$36	$144
Lupinus nanus	Sky Lupine	4.0 lb./ac	$70	$280
Nassella pulchra	Purple Needlegrass	4.0 lb./ac	$60	$240
Oenothera hookeri	Evening Primrose	1.0 lb./ac	$45	$45
Plantago erecta	Santa Clara Plantain	4.0 lb./ac	$25	$100
Vulpia microstachys	Three Weeks Fescue	6.0 lb./ac	$20	$120
TREES AND SHRUBS				
Adennostoma fasciculatum	Chamise	3.0 lb./ac	$48	$144
Arbutus x.	Hybrid Strawberry tree, similar to Madrone trees	N/A		
Artemisia californica	California Sagebrush	6.0 lb./ac	36$	$216
Baccharis pilularis	Coyote Brush	N/A		$150
Baccharis pilularis consanguinea	Chaparrel Broom	5.0 lb./ac	$30	$90
Eriogonum fasciculatum	California Buckwheat	10.0 lb./ac	$9	$144
Heteromeles arbutifolia	Toyon	6.0 lb./ac	$24	$144
Mimulus auranticus	Sticky monkeyflower	4.0 lb./ac	$36	$
Pinus halapensis	Aleppo Pine	N/A		$
Schinus molle	California Pepper	N/A		$
	TOTALS	**80 lbs/ac**		**$2,500**
CONTAINER PLANTS				
Aesculus californica	California Buckeye	50/ac	$9	$450
Quercus agrifolia	Coast Live Oak	50/ac	$9	$450
	TOTALS	**100/ac**	**$**	**$900**

Notes: Seed mix pricing from Pacific Coast Seed February 2019 website. Tree and shrub pricing provide by Green Acres Nursery and Supply.

ATTACHMENT B

DEMOLITION QUOTE

PLANT RECLAMATION

September 26, 2019

Stevens Creek Quarry, Inc. 12100 Stevens Canyon Road Cupertino, CA 95014
Attn: Mr. Jason Voss

Re: Updated Site Clearing Order of Magnitude Budget Estimate for Equipment Salvage and Demolition of the Stevens Creek Quarry Facility

Dear Mr. Voss:

The following updated site clearing order of magnitude budget estimate is for equipment salvage and demolition of the Steven Creek Quarry Facility located at 12100 Stevens Canyon Road in Cupertino, California, Mine ID #91-43-0007. This order of magnitude budget estimate is based on the data provided by Stevens Creek Quarry (Figure 3 Parcel A and Figure 4 Parcel B Aerial Photographs) our site visit February 21, 2018, and current labor cost and scrap values. The order of magnitude budget estimate is based on the following information:

Assumptions:

1. Owner shall clean, isolate, drain, vent, open, and air gap all process and utility systems, piping, tanks, and equipment prior to start of demolition activities.
2. Owner shall be responsible for ensuring that items being demolished are cleaned and free of flowing liquids, solids, hazardous materials, and are in a salvage and/or demolition ready condition.
3. Miscellaneous process equipment being salvaged shall be removed prior to the start of demolition activities. All remaining equipment and facilities post salvage operation shall be considered scrap metal ready for demolition.
4. Owner shall be responsible to remove the Topsoil Screening Plant and Concrete Recycle Plant equipment, and remaining infrastructure items shall be demolished.
5. Allocations have been included to address the presence, removal, and disposal of Regulated Asbestos Containing Materials (RACM) and Lead Base Paint (LBP) hazards. Prior to demolition a comprehensive environmental hazardous construction material survey will be required to identify and quantify potential hazardous contaminates throughout the site. This survey will also be required by the local Air Quality Management District when applying for demolition permits.
6. Construction debris generated during the demolition shall be disposed of at local municipal landfill or transfer location as Class III Construction Debris.
7. Above grade concrete support structures, pedestals, and surface slab equipment supports shall be demolished to the existing adjacent grade level. Concrete debris generated

8. during the demolition activities shall left on site for use during the reclamation phase of the site closure.
9. Budget assumes that the Owner shall be responsible for the financial obligations of, and for obtaining the required permits to perform the salvage and demolition operations.
10. Budget excludes the development, permitting process, or management of storm water and wastewater during demolition; this responsibility shall reside with Owner.
11. Budget assumes that water and services shall be made available to the salvage and demolition contractor by Owner for dust and fire protection.
12. Budget assumes that access to the facility being cleared shall be uninterrupted and unrestricted with a single mobilization and demobilization.

Scope of Work:

The following items are to be included in the site clearing scope of work.

- Remove and dispose of regulated asbestos containing materials.
- Demolish, dispose and recycle buildings and structures to existing grade level.
- Remove and salvage tanks, silos, crushers, screens, conveyor, and other process equipment for sale.
- Remove and salvage above grade conveyor systems between process sites for sale.
- Remove and dispose of above grade power distribution systems (pole lines and MCC's) to existing grade level.
- Demolish above grade concrete supports, pedestals, and equipment support slabs.
- Concrete debris generated during the demolition activities shall be demolished and left onsite for use in the reclamation process.
- Transport and dispose of construction debris at local municipal landfill.
- Transport and dispose of scrap metals to an offsite recycle facility.

Schedule:

The order of magnitude budget is based on the following:

- Conduct all phases of the site clearing operation with one mobilization.
- Working a 4/10 work schedule.
- Crew of 4 to 6 people required.
- Work to be completed within three (3) months.

Salvage and/or Demolition Methodology:

Process equipment to be salvaged shall be mechanically disassembled and prepared for transportation offsite. Remaining equipment and infrastructure facilities shall be removed by applying gross demolition techniques and either transported to the appropriate landfill / transfer stations and recycle facility based upon the identified waste stream classifications.

Order of Magnitude Budget Breakdown:

The following updated order of magnitude budgets are to perform the work as outlined based upon the applied assumptions.

Item	Parcel	Description	Est. Qty	Asset Salvage & Demolition Budget	Asset Recovery and Recycle Scrap Metal Budget	Budget
1	A	Topsoil Screening Plant	-	-	-	-
2	A	Main Office & Scale Office & Truck Scale	11,700 SF of Bldg.	98,280.00	-	93,600.00
3	A	Mobile Recycle Concrete Crushing and Screening Plant	100 Tons Scrap Metal & Asset Recovery	31,500.00	(257,000.00)	(234,000.00)
4	A	Tractor Shop, Storage Buildings & Office	5,820 SF Bldg. & 40 Tons Scrap Metal	47,250.00	(2,800.00)	39,400.00
5	A	Bone Yard, Equipment Storage, Truck Shop, Storage Buildings, Fuel Storage Tanks, Truck Scale Office #2 and Truck Scale.	5730 SF Bldg. & 60 Tons Scrap Metal	63,000.00	(4,200.00)	51,600.00
6	B	Sand Plant and Conveyors	90 Tons Scrap Metal and Asset Recovery	78,750.00	(147,968.00)	(79,266.00)
7	B	Primary Crusher Plant, Scalping Screen and Conveyor Systems	70 Tons Scrap Metal and Asset Recovery	63,000.00	(146,567.00)	(91,467.00)
8	B	Rock Plant and Conveyors	240 Tons Scrap Metal and Asset Recovery	94,500.00	(158,465.00)	(85,267.00)
			Budget Estimates	**$ 476,280.00**	**$ (717,000.00)**	**$ (240,720.00)**

Asset Recovery and Recyclable Scrap Metal Budget Basis:

The facility contains recoverable asset and recyclable scrap metal values that can be used to offset some of the site clearing cost. The recoverable values can be achieved through the removal of primary process equipment for resale and recycling approximately 600 tons of scrap metal as identified above. Based upon current published mining equipment resale publications (i.e. Iron Plant, Federal Equipment, AM King) there is an approximate resale value of Six Hundred Seventy Five Thousand Dollars and No Cents ($675,000.00). As of the date of this proposal, the published American Metal Market Price for #1 HSM Export Buying Yard Prices, San Francisco is Seventy Dollars and No Cents per ton ($70.00/Ton) with a recycle scrap metal recovery budget value of Forty Two Thousand Dollars ($42,000.00). Therefore, total the asset recovery budget values applied would be approximately Seven Hundred Seventeen Thousand Dollars ($717,000.00).

Site Clearing Order of Magnitude Budget Summary:

Based upon the updated direct cost for the Site Clearing budget being less than the Asset Salvage and Recycling Scrap Metal budget, the Site Clearing Order of Magnitude Budget Estimate would be Zero Dollars and No Cents ($0.00) as of the date of this updated budget cost estimate.

The order of magnitude budget estimate was assembled utilizing the PMBOK® parametric estimating technique as a Level 3, Definitive Estimate with a Range of Estimate of -15% to +20% and a Percentage of Project Defined at 30% to 70%. Please be aware conditions such as asset recovery values, fuel, labor, overhead, change in site conditions, and other items can impact a project of this nature drastically and the budget should be re-evaluation periodically.

The PMBOK® parametric estimating technique requires the application of experience and knowledge directly related to this type of project to be a factor in the estimate. Plant Reclamation has been in the business since 1972 and is headquartered in Richmond, California. We concentrate our efforts specifically in the industrial demolition, abatement, remediation, and asset recovery. The company conducts work both domestically and internationally.

Plant Reclamation's work experience has been accomplished throughout the mining, refining, chemical, manufacturing, power generation, steel mill, and lumber industries. The following are some of the related projects requiring complete site clearing and/or strategic asset removal that Plant Reclamation has performed:

- Barrick Gold Company – El Indio Mine, Chile, S.A. Homestake Mine, Nevada, U.S.A.
- Homestake Mining Company – Lower Lake California
- CertainTeed – Granular Mining and Manufacturing – Sacramento California
- ConocoPhillips
- Chevron
- Shell
- Tesoro
- Valero
- ALCOA – California,
- Hamilton AFB Novato, California
- Zeneca Chemical Company, Richmond California.

We are California Licensed Contractors #1039599 and hold licenses in the state of California as a General A, C21 Demolition, Hazardous and Abatement. Plant Reclamation has available to the required liability insurance and compensation insurance by law to perform the scope of work as outlined in this document. Our Safety Static and Ratings meet and/or exceed industry and the above client standards and can be found on ISNetworld (https://www.isnetworld.com/). Additional details regarding the statement of qualifications, experience, and references can be provided upon request.

Conclusion:
We hope this updated order of magnitude budget meets your current site requirements and please contact us if you need additional help or information regarding this document or the site clearing operations.

Sincerely,

Dan A. Moitoza

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