

# RECLAMATION AND CLOSURE PLAN

GUTIERREZ CANALES ENGINEERING, PC  
BLAISDELL MATERIAL SOURCE

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**SUBMITTED TO THE STATE MINE  
INSPECTOR'S OFFICE FOR REVIEW AND  
APPROVAL IN ACCORDANCE WITH  
ARIZONA REVISED STATUTE  
TITLE 27 - CHAPTER 6  
STATE MINE INSPECTOR AGGREGATE  
MINED LAND RECLAMATION**

FEBRUARY 2026

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## 1.0 ADMINISTRATIVE INFORMATION

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Gutierrez Canales Engineering, PC  
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[mkelland@gce-pc.com](mailto:mkelland@gce-pc.com)  
928-317-1401

Applicant: Mark Kelland  
Marisol Kelland  
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(602) 499-9253 (cell)  
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Landowner: Mark & Marisol Kelland Trust

Parcel Nos: 182-21-007, 182-21-008

Operator: Gutierrez Canales Engineering, PC

## 2.0 INTRODUCTION

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### 2.1 PURPOSE AND SCOPE

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Gutierrez Canales Engineering, PC proposes to continue their aggregate mining and processing operation private land northeast of Yuma in Yuma County, Arizona. The Blaisdell Material Source is located within the eastern ½ of Section 21 in Township 8 South, Range 21 West, Gila and Salt River Meridian.

The purpose of this Mine Reclamation and Closure Plan (MRCP) is to present the details of rehabilitation of the Blaisdell Material Source in Yuma County, Arizona concurrent with or after mining operations have ceased in accordance with the Arizona Aggregate Mined Lands Act (AAMLRA) (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.). The MRCP addresses environmental, technical and operational issues that are identified in those documents.

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### 2.2 RECLAMATION STATEMENT OF RESPONSIBILITY

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Gutierrez Canales Engineering, PC (GCE) 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.C.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 when mine operations conclude.

Mawsal A Kelbadi

10/8/25

Signature

Date

President

Title

---

### 2.3 RECLAMATION APPROACH

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GCE will reclaim areas surrounding and within the excavated areas necessary to accomplish the post-mining land use of open space. The goals of the mine plan and reclamation measures are to provide for a safe, stable, and sustainable site once mining has ceased. Reclamation will take place concurrently to the degree possible, but no later than the cessation of mining activities.

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## 2.4 CURRENT OWNERSHIP AND LAND USE INCLUDED IN THE AGGREGATE MINING UNIT

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GCE is planning to continue aggregate mining and processing operations for commercial use at the Blaisdell Material Source. The site includes approximately 183.4 acres, as shown in Table 1 below, and in Figure 3. Existing access is from Gowan Milling Parkway to the south with an existing access road north to the site. A portion of the site is previously disturbed; current land use onsite consists of mining, off-road vehicle use, and open space.

Vegetation communities in the project vicinity are lower Colorado subdivision of the Sonoran Desert as described by Brown (1994). Remaining vegetation onsite is very sparse and dominated by creosotebush (*Larrea tridentata*). Tight gravels act as desert pavement, limiting vegetation. Vegetation includes paloverde (*Cercidium floridum*), brittlebush (*Encelia farinosa*), white bursage (*Ambrosia dumosa*), catclaw acacia (*Acacia greggii*), fairy duster (*Calliandra eriophylla*), sweetbush (*Bebbia juncea*), and big galleta (*Hilaria rigida*). Cacti and succulents include silver cholla (*Cylindropuntia echinocarpa*) and ocotillo (*Fouquieria splendens*).

The site occurs within the Arizona Game and Fish Department (AGFD) Game Management Unit 41. This unit is managed for bighorn sheep (*Ovis canadensis*), mule deer (*Odocoileus hemionus*), dove (*Zenaida* sp. and *Columbina* sp.), and quail (*Callipepla gambelii*). Wildlife and/or wildlife sign observed in the project vicinity includes bighorn sheep, coyote (*Canis latrans*), black-tailed jackrabbit (*Lepus californicus*), Anna's hummingbird (*Calypte anna*), verdin (*Auriparus flaviceps*), house finch (*Haemorhous mexicanus*), white-crowned sparrow (*Zonotrichia leucophrys*), and red-tailed hawk (*Buteo jamaicensis*).

**Table 1**  
**Existing Surface Disturbance**

<b>Feature</b>	<b>Acres</b>
Disturbed	28.9
Undisturbed	154.5
<b>Total</b>	<b>183.4</b>

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## 2.5 PROPOSED POST-AGGREGATE MINING LAND USE

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Proposed post-aggregate mining land use of the site is open space. Current nearby use is active mining, industrial, open space, and agricultural.

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## 2.6 DESCRIPTION OF THE AGGREGATE MINING UNIT AND PROPOSED SURFACE DISTURBANCES

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The proposed extraction/processing operation consists of mining to remove aggregate material as described in A.R.S. § 27-441. At the Blaisdell Material Source, operations including excavation, screening, crushing, stockpiling, loading, and hauling. Equipment includes the use of a screen, crusher, and other mobile equipment for the support of production, and other construction material related operations. Proposed surface disturbances include aggregate mining in northern and southern portions of the site, with processing in the central portion of the site. The processing area includes a mobile scale, office trailer, ponds, three above-ground fuel tanks, an asphalt hot plant, and an equipment parking lot. The northern portion of the site is proposed to remain undisturbed, for a final disturbance of approximately 109.9 acres, as shown in Figure 4. Depth of mining will be approximately 20 to 30 feet. Slopes 3:1 (horizontal: vertical) (H:V) or flatter are incorporated into the mining plan. Proposed surface disturbances are shown in Table 2 below. GCE has estimated the removal of up to 3,102,325 cubic yards over a period of 25 years. The closest residential structure is located approximately 0.85 miles to the southwest of the nearest proposed excavation area.

**Table 2**  
**Proposed Final Surface Disturbance**

<b>Feature</b>	<b>Acres</b>
Access Road/Berms	2.1
Mining Area	90.0
Processing Area	17.8
Undisturbed	73.5
<b>Total</b>	<b>183.4</b>

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## 2.7 EXISTING AND PROPOSED FINAL TOPOGRAPHY

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Existing topography and survey information is provided in Figure 3 attached. Existing elevations rise to the east, where the Gila Mountains begin. Elevations range from approximately 300 ft above mean sea level (msl) in the southeast corner of the property to approximately 200 ft above msl along the western side of the property. Proposed final elevations are shown in Figure 4 attached. Proposed final topography of the slopes will have a 3:1 (H:V) slope or flatter to provide a safe slope at the end of mine life.

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## **2.8 A NARRATIVE DESCRIPTION OF ROADS**

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Outside of the parcel, an existing access road provides access from the south to Gowan Milling Parkway as shown in Figures 3 and 4. Temporary internal access roads within the interior of the parcel may be used over time as mining advances.

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## **2.9 ACREAGE AFFECTED BY EACH TYPE OF SURFACE DISTURBANCE**

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### **Area Descriptions:**

#### **2.9.1 Mining Area**

Aggregate mining at this site would impact a total of approximately 90 acres. Mining areas would occur in the northern and southern portions of the site. Mining depth will be approximately 20 to 30 ft. Slopes are planned at a maximum of 3:1 (H:V) or flatter, with the final build-out is shown in Figure 4.

#### **2.9.2 Processing Area**

The processing area is located in the central portion of the parcel. The processing area includes a crusher, a screen plant, an asphalt hot plant, stockpiles, ponds, a parking lot for equipment, a mobile scale, and an office trailer.

#### **2.9.3 Access Roads**

The existing off-site access road provides access to the site from Gowan Milling Parkway to the south and will not change, as shown in Figures 3 and 4. Temporary internal access roads may be used over time as mining advances.

### **3.0 RECLAMATION**

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#### **3.1 EQUIPMENT AND STRUCTURE REMOVAL**

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All equipment on this site is proposed to be mobile and can be re-located at will throughout the mining process. All mobile equipment will be removed from the site. The equipment parking lot will be removed. The three above ground fuel tanks will be removed. There are no other buildings or structures proposed to be located on the site.

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#### **3.2 ROADS, POWER LINES, WATERLINES AND FENCES**

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All disturbed areas, including internal access roads within the mining and processing areas will be scarified, as shown in Figure 5. There are no powerlines that occur within the site. There are no waterlines within the site. Mobile generators will be used on an as-needed basis for the mining equipment which will be removed post-mining. The site is currently fenced along the western side to limit access. No other fencing is proposed per landowner request.

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#### **3.3 AREA PREPARATION**

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Post-mining, the disturbed portions of the site interior will be re-graded and scarified to promote natural revegetation, as shown in Figure 5.

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#### **3.4 SLOPE STABILIZATION**

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Mining incorporates 3:1 (H:V) slopes or flatter to result in stability for the area. No additional physical stabilization will be necessary after mining.

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#### **3.5 SOIL CONSERVATION**

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Natural revegetation on previously disturbed areas to the south of the Blaisdell area has been previously successful. Natural revegetation of the disturbed areas is therefore reasonably expected to be successful without soil amendments.

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#### **3.6 REVEGETATION**

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To promote natural revegetation, scarification will be conducted within the disturbed areas to support the open space land use of the site. Since these areas are not proposed to support grazing, fish or wildlife habitat, forestry or recreation post-mining land uses, proposed measures to encourage fish and wildlife habitat are not required to be described further in accordance with A.R.S. §27-1271 (B)(9d).

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### **3.7 THE PROPOSED RECLAMATION MEASURES TO ACHIEVE POST MINE LAND USE AND PUBLIC SAFETY**

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- A. What measures will restrict public access to pits or other hazardous surface features?  
As the mined slopes are proposed at 3:1 (H:V) or flatter, no hazardous surface features are anticipated to remain after reclamation. In addition, all ponds, scrap metal, wood, trash and other debris that pose a threat to public safety or create a public nuisance will be removed.
- B. What measures will be taken to address erosion control and stability?  
Site-specific grading will be conducted, as necessary, to address erosion. No permanent piles of mined material or overburden will remain. Slope stability at a 3:1 (H:V) slope or flatter is incorporated into the mining plan.
- C. What measures will be taken to address revegetation, conservation, and the care and monitoring of revegetated areas?  
Scarification would promote natural revegetation which occurs in the region. As revegetation is not proposed, monitoring of revegetated areas is not required.

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### **3.8 TIMELINE AND PHASING OF RECLAMATION**

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Mining will begin immediately upon approval, anticipated in 2026. In accordance with A.R.S. § 27-926, reclamation & monitoring will be completed within one year of cessation of mining. Proposed tentative schedule includes:

- Mining operations are anticipated to continue for 25 years until 2051.
- Reclamation on the processing and related areas will commence immediately upon completion of mining operations and is estimated to be completed within one year (estimated 2052).
- Reclamation includes equipment removal, processing area cleanup, grading, scarification to promote natural revegetation, and annual monitoring (trash removal, natural revegetation monitoring).
- Reclamation will be deemed complete once the reclaimed surfaces have been regraded to a safe and stable condition, scarification has been conducted, and ASMI verifies that the owner or operator has fulfilled the requirements of the approved reclamation plan.

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### **3.9 RECLAMATION COSTS – FINANCIAL ASSURANCE**

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All reclamation costs will be wholly born by the applicant. Financial surety will be obtained by bonding.

## **4.0 MINE CLOSURE**

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### **4.1 MINING AREAS**

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Reclamation of the mining area will commence immediately upon closure of mining operations. There will be no substantial period between operation and reclamation.

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### **4.2 PROCESSING AND OTHER AREAS**

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Stockpile areas will be removed by the end of mine life. Reclamation will commence immediately upon completion of mining operations. There will be no substantial period between operation and reclamation.

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### **4.3 PERSONNEL**

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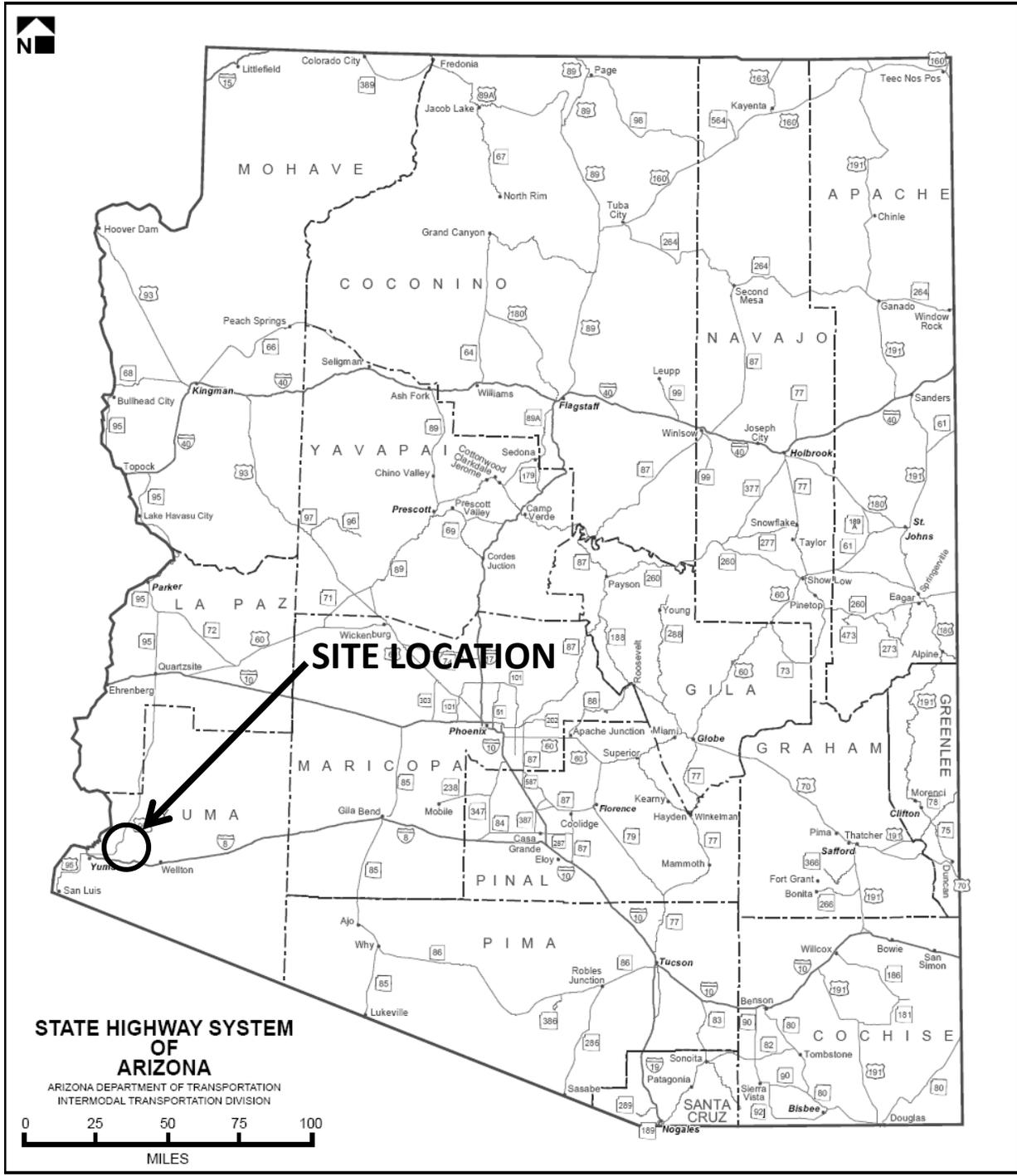
Personnel employed at this site will be re-assigned to other job sites if possible or assigned to assist with the reclamation process and then re-assigned.

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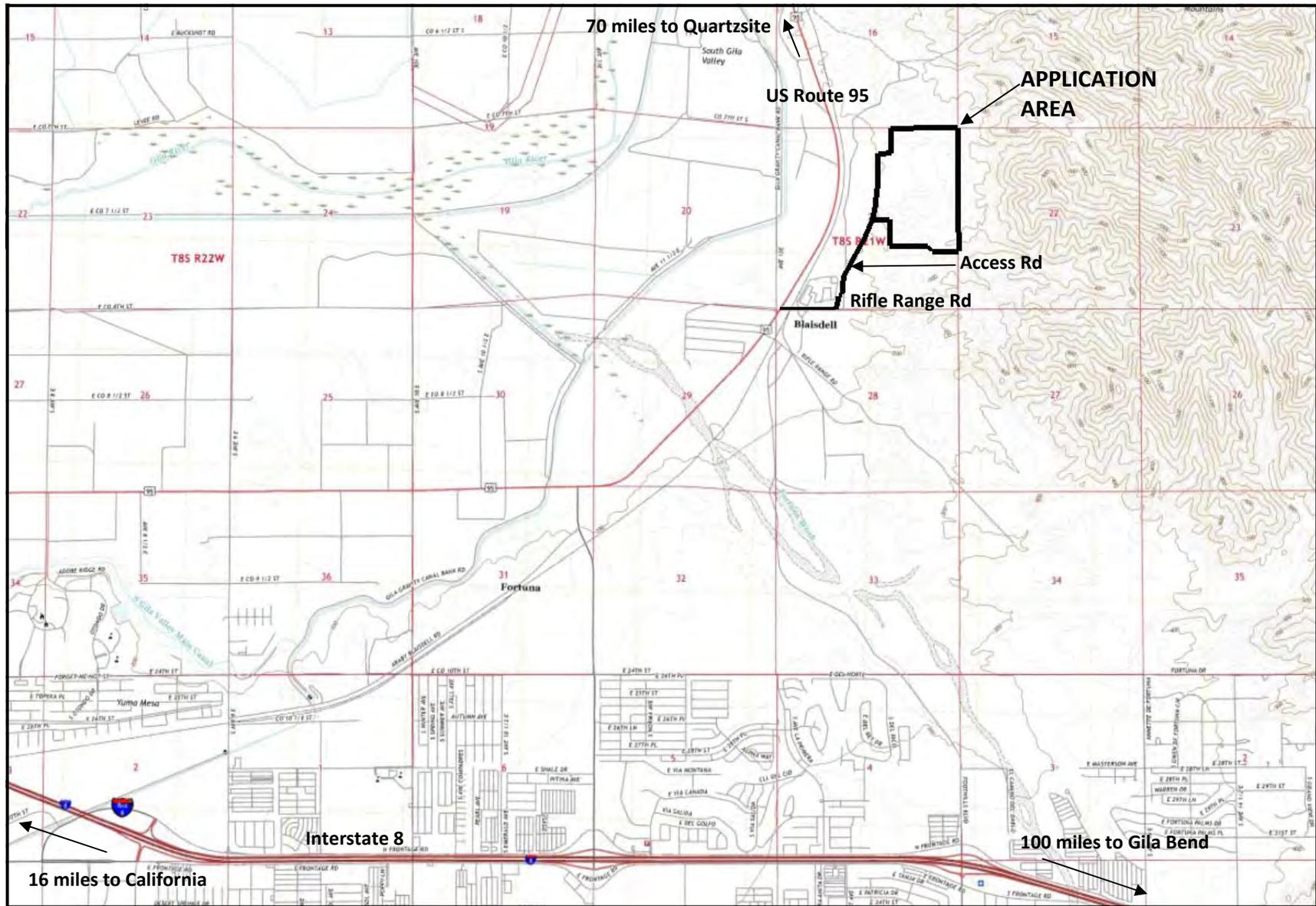
### **4.4 MONITORING**

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The closure of operations at this site will be monitored in accordance with the approved conditions of this plan in accordance with the Arizona State Mine Inspector's Office. During reclamation, monitoring will occur annually to remove trash and conduct a general inspection.



**Figure 1. State Map.**  
**GCE Blaisdell Material Source.**  
**Yuma County, AZ.**



**Figure 2. Project Vicinity Map.**  
**GCE Blaisdell Material Source.**  
**Yuma County, AZ**



Base Map: USGS 1:100k Topographic  
 Map: Salome, AZ (1984).



# GCE BLAISDELL MATERIAL SOURCE EXISTING CONDITIONS

A PORTION OF SECTION 21,  
T-8S., R-21W.,  
of the GILA & SALT RIVER  
BASE & MERIDIAN  
YUMA COUNTY, ARIZONA

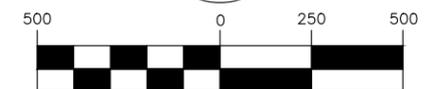
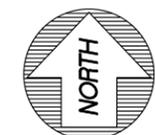
## LEGEND

-  PROPERTY LINE
-  WASH LINE
-  ACCESS ROAD
-  EXISTING 10' CONTOURS
-  EXISTING 2' CONTOURS

## MATERIAL & PLANT AREAS

EXISTING CONDITIONS

MINING AREA	
DISTURBED AREA	- 28.9± ACRES
UNDISTURBED AREA	- 154.5± ACRES
<hr/>	
TOTAL	- 183.4± ACRES



SCALE: 1" = 500'

STADLER DESIGN GROUP, LLC

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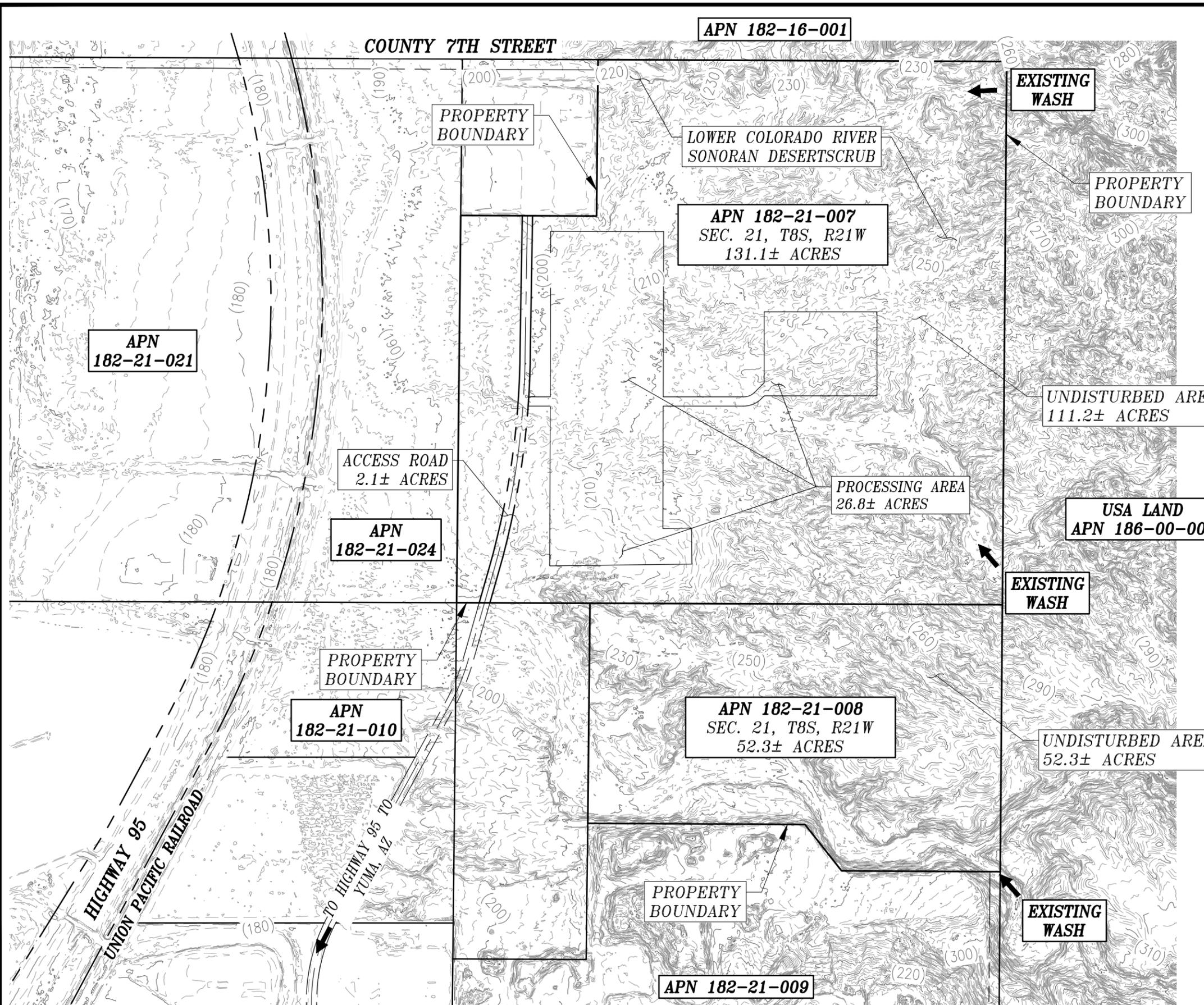


FIGURE 3

# GCE BLAISDELL MATERIAL SOURCE MATERIAL SOURCE PROPOSED CONDITIONS

A PORTION OF SECTION 21,  
T-8S., R-21W.,  
of the GILA & SALT RIVER  
BASE & MERIDIAN  
YUMA COUNTY, ARIZONA

## LEGEND

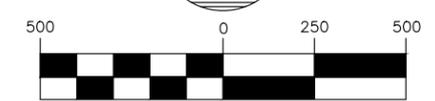
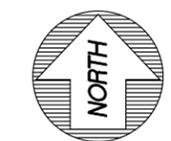
- PROPERTY LINE
- LIMITS OF DISTURBANCE
- WASH LINE
- ACCESS ROAD
- EXISTING 10' CONTOURS
- EXISTING 2' CONTOURS
- PROPOSED 10' CONTOURS
- PROPOSED 2' CONTOURS

## MATERIAL & PLANT AREAS

MINING AREA 1	- 30.8± ACRES
MINING AREA 2	- 59.2± ACRES
PROCESSING AREA	- 26.8± ACRES
ACCESS ROAD/BERMS	- 2.1± ACRES
UNDISTURBED	- 64.5± ACRES
<b>TOTAL</b>	<b>- 183.4± ACRES</b>

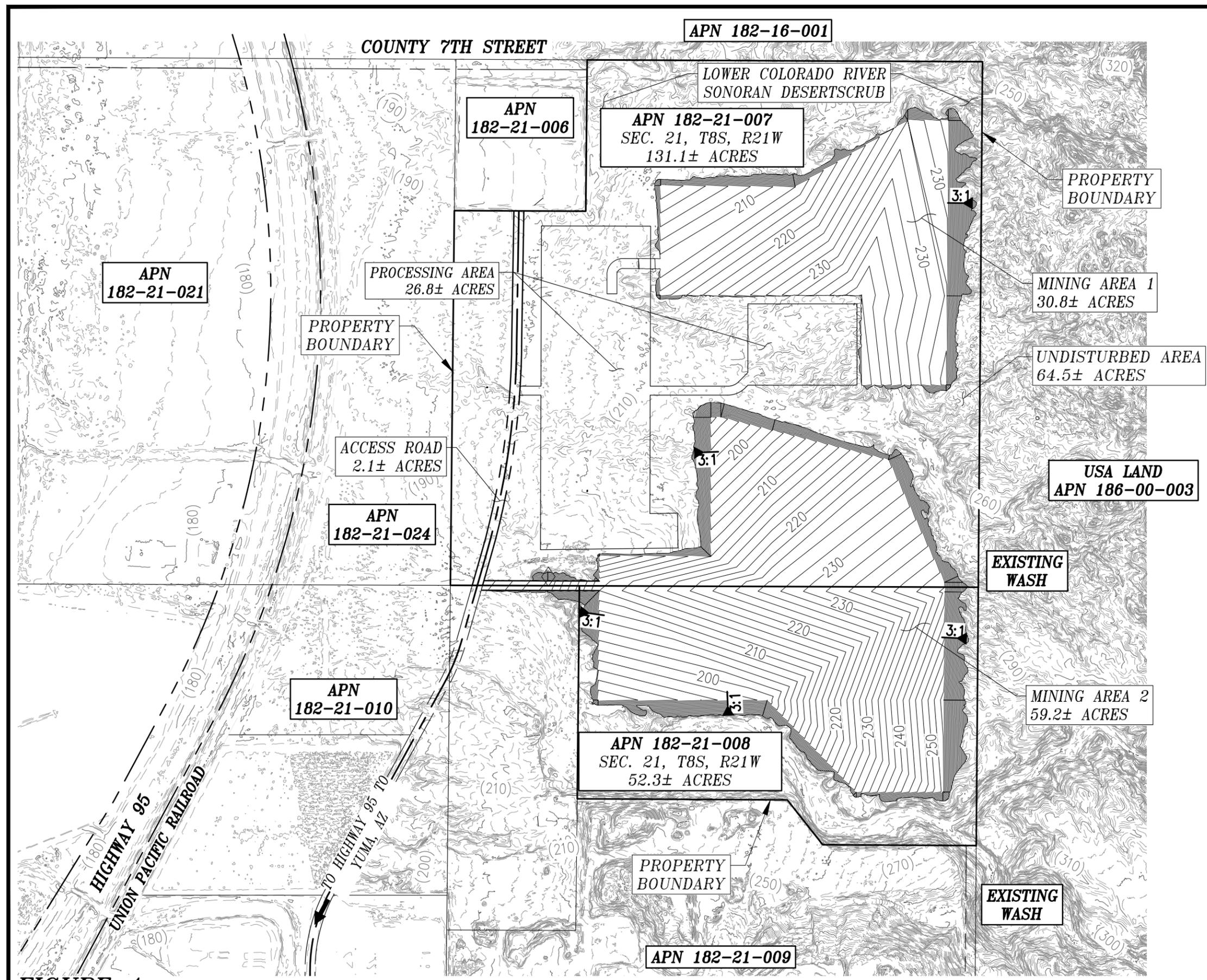
## SOURCE MATERIAL VOLUME

VOLUME	- 3,102,325± CY
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SCALE: 1" = 500'

**STADLER DESIGN GROUP, LLC**  
1673 EAST ZION WAY  
CHANDLER, ARIZONA 85249  
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**FIGURE 4**

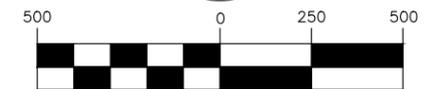
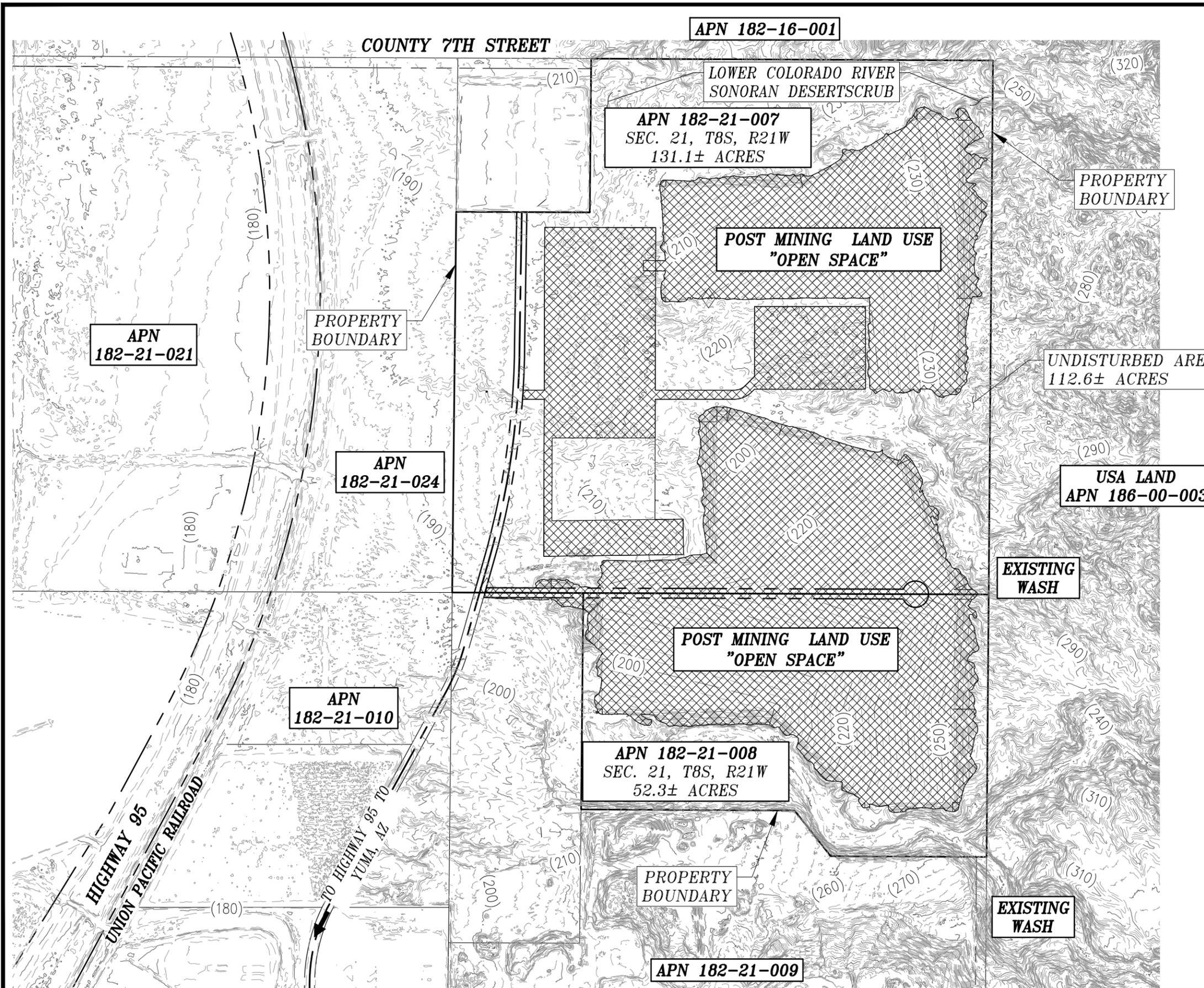
# GCE BLAISDELL MATERIAL SOURCE

## RECLAMATION & POST MINING LAND USE MAP "OPEN SPACE"

A PORTION OF SECTION 21,  
T-8S., R-21W.,  
of the GILA & SALT RIVER  
BASE & MERIDIAN  
YUMA COUNTY, ARIZONA

### LEGEND

-  PROPERTY LINE
-  LIMITS OF DISTURBANCE
-  WASH LINE
-  ACCESS ROAD
-  EXISTING 10' CONTOURS
-  EXISTING 2' CONTOURS
-  SCARIFY LAND SURFACE



SCALE: 1" = 500'

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**FIGURE 5**

**APPENDIX 1**  
**RECLAMATION COST ESTIMATE**

## Reclamation Cost Estimate

### Reclamation Cost Estimate Methodology

Unit costs developed for this Reclamation & Closure Plan are based on ADOT-approved estimating sources. Equipment unit costs are based on Equipment Watch Rental Rate Blue Book, Davis Bacon published labor rates, along with estimated productivity for material movement based primarily on the Caterpillar Handbook (2022). Concrete pad removal costs are per RS Means. ADOT uses this format and protocol for ADOT contractors.

Material volumes and surface areas have been calculated using the topographic base maps provided and plan projection of outlined areas. The pit contours are all 3:1 or flatter. Final reclamation will consist of scarifying all compacted traffic areas other than the access roads which will remain.

Administrative costs are based on industry-standardized contingency, professional fees to annually inspect and report, as well as indirect costs, contractor profit, and contract administration costs.

### Reclamation Cost Estimate Summary

Estimated costs developed for this Reclamation Plan are summarized below. Detailed breakdown for each reclamation activity follows.

Reclamation Activity	Units	Cost per Unit	Costs (\$)
<b>Direct Costs</b>			
Scarification	123.2 Acres	\$ 91.88	\$ 11,320.02
Processing Area cleanup	1	4889.41	\$ 4,889.41
Subtotal			\$ 16,209.43
<b>Administrative Costs</b>			
Administrative Contingency		10%	1620.94
Inspect & Report	1 year	3,000	3,000.00
Indirect Costs		2%	324.19
Contractor Profit		10%	1620.94
Contract Administration		10%	1620.94
Subtotal			\$ 8,187.02
Total			\$ 24,396.44



**Task 2 - Equipment Watch - Rate for Truck with Trailer**

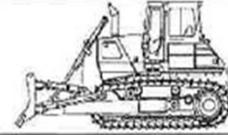
DATE:	10/2/2025			
TASK:	Processing Area cleanup – 1 pickup truck with trailer			
UNITS:	1 load			
Quantity	1 load	(2 days)	30.80 hours	<b>TOTAL</b>
Truck			\$ 14.00 per hour	\$ 431.20
Estimated operating costs			\$ 25.83 per hour	\$ 795.56
Trailer			\$ 34.00 per hour	\$ 1,047.20
Estimated operating costs			\$ 7.52 per hour	\$ 231.62
Concrete Slab Removal*	1500 sq ft		\$ 1,380.00 lump sum	\$ 1,380.00
Estimated operating costs			\$ 14.00 per hour	\$ 361.62
<b>Total O &amp; O cost</b>				<b>\$ 4,247.20</b>
Labor from Davis Bacon rates - Cochise County				
	31 hrs	Base rate	\$17.26 per hour	\$ 535.06
	31 hrs	Fringes	\$2.65 per hour	\$ 82.15
	0 hrs	No O/T expected		
Trash disposal fee (Cochise County landfill):		1 Load		\$ 25.00
<b>Duration</b>				<b>3 days</b>
<b>Task Total</b>				<b>\$ 4,889.41</b>
<b>Price per acre for total</b>		<b>123.2</b> Acres		<b>\$ 39.69</b>

\*per RS Means (attached)

**Rental Rate Blue Book®**

June 13, 2024

**Caterpillar D5**  
 Standard Crawler Dozers

 Size Class:  
 160 - 189 hp  
 Weight:  
 N/A

**Configuration for D5**

Dozer Type	<b>VPAT</b>	Horsepower	<b>170.0 hp</b>
Operator Protection	<b>IROPS</b>	Power Mode	<b>Diesel</b>

**Blue Book Rates**

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$14,795.00	USD \$4,145.00	USD \$1,035.00	USD \$155.00	USD \$61.26	USD \$145.32
<b>Adjustments</b>						
Region ( 100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
<b>Total:</b>	<b>USD \$14,795.00</b>	<b>USD \$4,145.00</b>	<b>USD \$1,035.00</b>	<b>USD \$155.00</b>	<b>USD \$61.26</b>	<b>USD \$145.32</b>

**Non-Active Use Rates**

	<b>Hourly</b>
Standby Rate	USD \$44.55
Idling Rate	USD \$108.29

**Rate Element Allocation**

Element	Percentage	Value
Depreciation (ownership)	30%	USD \$4,438.50/mo
Overhaul (ownership)	47%	USD \$6,953.65/mo
CFC (ownership)	13%	USD \$1,923.35/mo
Indirect (ownership)	10%	USD \$1,479.50/mo
Fuel (operating) @ USD 4.03	39.55%	USD \$24.23/hr

Revised Date: 2nd quarter 2024

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® print. Visit the Cost Recovery Product Guide on our Help page for more information.

## Rental Rate Blue Book®

June 13, 2024

**Miscellaneous MSR-84H**  
Crawler Tractor Multi-Shank Rippers

Size Class:  
To 200 hp  
Weight:  
1044 lbs



### Configuration for MSR-84H

Horsepower: **84.0 hp**  
Ripper Type: **Radial**  
Number Of Shanks: **3.0**  
Power Mode: **Hydraulic**

### Blue Book Rates

\*\* FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$560.00	USD \$155.00	USD \$39.00	USD \$6.00	USD \$2.42	USD \$5.60
Adjustments						
Region ( 100%)	-	-	-	-		
Model Year (2024: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
<b>Total:</b>	<b>USD \$560.00</b>	<b>USD \$155.00</b>	<b>USD \$39.00</b>	<b>USD \$6.00</b>	<b>USD \$2.42</b>	<b>USD \$5.60</b>

### Non-Active Use Rates

	Hourly
Standby Rate	USD \$2.32
Idling Rate	USD \$3.18

### Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	51%	USD \$285.60/mo
Overhaul (ownership)	27%	USD \$151.20/mo
CFC (ownership)	10%	USD \$56.00/mo
Indirect (ownership)	12%	USD \$67.20/mo

Fuel cost data is not available for these rates.

Revised Date: 2nd quarter 2024

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for Bronson Barson (bbarson@fisherind.com)

# 02 41 Demolition

## 02 41 13 – Selective Site Demolition

02 41 13.98 Select. Demo., Sod, Edging, Planters & Tree Guying		Crew	Daily Output	Labor-Hours	Unit	Material	2020 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
2700	anchors, 3" caliper	2 Clab	40	.400	Ea.		16.85		16.85	25.50
2800	3"-6" caliper		30	.533			22.50		22.50	33.50
2900	6" caliper		20	.800			33.50		33.50	50.50
3000	8" caliper		15	1.067			45		45	67.50

## 02 41 16 – Structure Demolition

### 02 41 16.13 Building Demolition

0010 BUILDING DEMOLITION Large urban projects, incl. 20 mi. haul		R024119-10								
0011 No foundation or dump fees, C.F. is vol. of building standing										
0020	Steel	B-8	21500	.003	C.F.		.15	.13	.28	.37
0050	Concrete		15300	.004			.20	.19	.39	.52
0080	Masonry		20100	.003			.16	.14	.30	.39
0100	Mixture of types		20100	.003			.16	.14	.30	.39
0500	Small bldgs, or single bldgs, no salvage included, steel	B-3	14800	.003			.15	.16	.31	.40
0600	Concrete		11300	.004			.20	.21	.41	.53
0650	Masonry		14800	.003			.15	.16	.31	.40
0700	Wood		14800	.003			.15	.16	.31	.40
0750	For buildings with no interior walls, deduct								30%	30%
1000	Demolition single family house, one story, wood 1600 S.F.	B-3	1	48	Ea.		2,275	2,325	4,600	5,950
1020	3200 S.F.		.50	96			4,525	4,625	9,150	11,900
1200	Demolition two family house, two story, wood 2400 S.F.		.67	71.964			3,400	3,475	6,875	8,925
1220	4200 S.F.		.38	128			6,025	6,175	12,200	15,900
1300	Demolition three family house, three story, wood 3200 S.F.		.50	96			4,525	4,625	9,150	11,900
1320	5400 S.F.		.30	160			7,550	7,725	15,275	19,800
5000	For buildings with no interior walls, deduct								30%	30%

### 02 41 16.15 Explosive/Implosive Demolition

0010 EXPLOSIVE/IMPLOSIVE DEMOLITION		R024119-10								
0011 Large projects,										
0020	No disposal fee based on building volume, steel building	B-5B	16900	.003	C.F.		.15	.16	.31	.40
0100	Concrete building		16900	.003			.15	.16	.31	.40
0200	Masonry building		16900	.003			.15	.16	.31	.40
0400	Disposal of material, minimum	B-3	445	.108	C.Y.		5.10	5.20	10.30	13.35
0500	Maximum	"	365	.132	"		6.20	6.35	12.55	16.30

### 02 41 16.17 Building Demolition Footings and Foundations

0010 BUILDING DEMOLITION FOOTINGS AND FOUNDATIONS		R024119-10								
0200 Floors, concrete slab on grade,										
0240	4" thick, plain concrete	B-13L	5000	.003	S.F.		.19	.42	.61	.74
0280	Reinforced, wire mesh		4000	.004			.24	.52	.76	.92
0300	Rods		4500	.004			.21	.46	.67	.83
0400	6" thick, plain concrete		4000	.004			.24	.52	.76	.92
0420	Reinforced, wire mesh		3200	.005			.30	.65	.95	1.15
0440	Rods		3600	.004			.26	.58	.84	1.02
1000	Footings, concrete, 1' thick, 2' wide		300	.053	L.F.		3.16	6.95	10.11	12.30
1080	1'-6" thick, 2' wide		250	.064			3.79	8.30	12.09	14.80
1120	3' wide		200	.080			4.74	10.40	15.14	18.55
1140	2' thick, 3' wide		175	.091			5.40	11.90	17.30	21
1200	Average reinforcing, add								10%	10%
1220	Heavy reinforcing, add								20%	20%
2000	Walls, block, 4" thick	B-13L	8000	.002	S.F.		.12	.26	.38	.47
2040	6" thick		6000	.003			.16	.35	.51	.62
2080	8" thick		4000	.004			.24	.52	.76	.92
2100	12" thick		3000	.005			.32	.69	1.01	1.23