Arizona Materials LLC
Buckeye Site
Reclamation Plan (Rev 1)

Prepared for:

Arizona Materials
3636 S. 43rd Avenue, Phoenix, AZ 85009
January 10, 2024

Submitted to
Arizona State Mine Inspector
1700 West Washington, 4th Floor
Phoenix, AZ 85007

Prepared by

Stantec – Mining
3133 West Frye Road, Suite 300
Chandler, Arizona 85226

Arizona State Mine Inspector
PAUL D. MARSH
1700 W. Washington Suite 403
Phoenix, Arizona 85007-2805
(602) 542-5971
Fax (602) 542-5335

March 6, 2024

Mr. Lee Ware
Arizona Materials
3636 South 43rd Avenue
Phoenix, Arizona 85009

Re: Technically Incomplete Reclamation Plan for Arizona Materials Buckeye Site

Dear Mr. Ware:

On January 17, 2024, the State Mine Inspector's Office received your Mine Reclamation and Closure Plan (the Plan) for the Arizona Materials Buckeye Site (the Site). The Site is located at 12820 South Rooks Road within Section 24, Township 1 South, Range 13 East, Gila and Salt River Baseline and Meridian in Buckeye, Arizona.

On March 6, 2024, this office received information from our consultant reviewing your plan indicating it was Technically Incomplete. In accordance with A.R.S. §§ 27-1272, 27-1273, this letter is to notify you the plans have been found ***Technically Incomplete***.

Please address the following:

- **Planned Total Disturbance by Phase (Section 3.3)**
    - The acreage listed in the first paragraph of Section 3.3 does not match that listed in Table 1 below it.
- **Miscellaneous Errors**
    - Fix "Error! Reference Source not found" in Sections 3.4, 3.6, and 3.12.

Please supply the additional information within 90 days. If you have any questions concerning this determination, please contact Amanda Lothner at (602) 542-5971.

Yours in Health and Safety,

Paul D. Marsh
Arizona State Mine Inspector

Arizona Materials
602-278-4444 Telephone
3636 S. 43rd Avenue Phoenix, AZ 85009

March 29, 2024

Attn: Ms. Amanda Lothner, Reclamation Manager
Arizona State Mine Inspector
1700 W. Washington, Suite 403
Phoenix, AZ 85007-2805

Subject: Resubmission of Mine Reclamation Plan for the Buckeye Site

Reference: Technically Incomplete Letter from ASMI dated March 6, 2024

Dear Ms. Lothner,

Enclosed please find the corrected Proposed Reclamation Plan for the Buckeye Site owned and operated by Kilgore Companies dba Arizona Materials for your review and approval. The corrections were made pursuant to the referenced letter; a copy is included inside each the four copies transmitted.

The Reclamation Plan fee check was included for $3,800.00 in the previous submittal of this plan on January 10, 2024.

Please address all questions and communications regarding the reclamation plan to Dan Welch (Stantec - dan.welch@stantec.com or 480-622-8051), copying Lee Ware (Lee.Ware@kilgorecompanies.com).

A USB drive with Excel calculations was included in the previous submittal of the plan on January 10th.

We look forward to the approval of this plan, and will expedite answers to any questions, concerns or changes that need to be made.

Sincerely,

Lee Ware — Date: 3/29/2024

Environmental Director, West Region
Kilgore Companies, dba Arizona Materials

Encl.

Four (4) copies of Buckeye Site Reclamation Plan

Statement of Responsibility

Arizona Materials assumes responsibility for the reclamation of surface disturbances that are attributable to the Buckeye Site aggregate mining unit consistent with this Reclamation Plan, and A.R.S. Chapter 6 § 27-1201 et seq, and any promulgated rules, in A.C.C. Title 11, Chapter 3.

According to A.C.C. Title 11, Chapter 3, all areas that were disturbed at this Buckeye site will be reclaimed to a safe and stable condition, before and directly after mine operations conclude. Arizona Materials will maintain Financial Assurance as needed per A.R.S. § 27-1291 and1292 to complete the required reclamation as hereby stated per A.R.S. § 27-1271 (B) (2).

Arizona Materials will provide financial surety by bonding.

Lee Ware

3/29/2024
Date

Environmental Director, West Region
Kilgore Companies, DBA Arizona Materials

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1.0 INTRODUCTION

The purpose of report is to present the proposed Mine Reclamation and Closure Plan (MRCP) for the Buckeye site (the site) of Arizona Materials LLC (AZM) located at 12820 S. Rooks Rd., Buckeye, Maricopa County, Arizona (refer to Appendix A).

The Buckeye Pit is owned and operated by Kilgore Companies, 7057 W 2100 S, Salt Lake City, UT 84128, and is doing business as (dba) Arizona Materials LLC (AZM).

The site is in Section 24, Township 1 South, Range 4 West of the Gila and Baseline Meridian. Directly north of the site is the Gila River, to the south is open space desert, and to the west is SR85 which runs north and south. A neighboring sand and gravel plant is located to the east and no homes are located within a one-mile radius. Portions have been mined by previous owners (historic pits). Land ownership in the vicinity of the site is shown in Appendix B.

An aggregate processing plant is currently being operated on the site and is processing material from the Salt River Pima-Maricopa Indian Community property from the east side of South Rooks Rd approximately 1000 feet away. The fines are being deposited on the site in an historic pit.

Reclamation will be concurrent with, and after, proposed mining operations have ceased in accordance with the Arizona Aggregate Mined Lands Act (Arizona Revised Statutes [A.R.S.] § 27-1201, et seq (Title 27, and Chapter 6) as authorized by A.R.S. § 27-1204. This plan was 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.) and accounts for all requirements associated with a mine site, mining operation, and the MRCP submitted to the State Mine Inspector.

AZM will crush on an as-needed basis. All portable equipment transferred to the site will have individual portable source permits from the Arizona Department of Environmental Quality (ADEQ). ADEQ Multi-Sector Storm Water Permits will be in place. AZM has an approved Maricopa County Floodplain Use Permit (Permit No. SG20-013).

1.1 Operator Information

- (Applicant / Owner / Operator): Kilgore Companies, dba Arizona Materials LLC
  3636 S. 43rd Avenue
  Phoenix, Arizona 85009
  Business Phone: 602-442-5975
  Harold J. Hornick, Manager
  Mobile: (480) 549-3794
  Email: jj.jornick@azmaterials.com

- Operations Field Representative: John Stenbom
  Area Manager Aggregates
  7057 W 2100 S
  Salt Lake City, UT 84128
  Mobile: (385) 454-2301
  Office: (801) 250-0132
  Email: John.Stenbom@kilgorecompanies.com

- Regulatory Contact: Lee Ware
  Environmental Director of Kilgore Companies – West Region
  7057 W 2100 S
  Salt Lake City, UT 84128
  Mobile: (801) 831-7402
  Office: (801) 250-0132
  Email: lee.ware@kilgoreccompanies.com

- Permit Technical Consultant: Dan Welch
  Stantec – Mining
  3133 West Frye Road, Suite 300
  Chandler, Arizona 85226
  Mobile: (480) 622-8051
  Email: dan.welch@stantec.com

- MSHA Mine Identification: No. 0202320

- Site Location: Section 24, T1S, R4W
  Maricopa County, Arizona
  Latitude 33° 19' 48.53"
  Longitude 112° 36' 57.34" W

1.2 Reclamation Statement of Responsibility

AZM assumes responsibility for the reclamation of surface disturbances that are attributable to the aggregate mining unit consistent with this Reclamation Plan, and A.R.S. Chapter 6 § 27-1201 et seq, and any promulgated rules, in A.C.C. Title 11, Chapter 3.

According to A.C.C. Title 11, Chapter 3, all areas that were disturbed at this mine site will be reclaimed to a safe and stable condition, before and directly after mine operations conclude. AZM will maintain Financial Assurance as needed per A.R.S. § 27-1291 and1292 to complete the required reclamation as hereby stated per A.R.S. § 27-1271 (B) (2).

AZM will provide financial surety by bonding.

A copy of this statement signed by Lee Ware (Environmental Director, West Region of Kilgore Companies) has been submitted with the cover letter accompanying this report to the Arizona State Mine Inspector.

1.3 Certificate of Disclosure of Violations

There are no violations for this company that require to be disclosed at this mining site as described in A.R.S. § 27-1205.

2.0 CURRENT STATUS AND LAND USE INCLUDED IN THE AGGREGATE MINING UNIT

Kilgore Companies dba Arizona Materials LLC is the current owner and is conducting sand and gravel and ready-mix concrete operations in Maricopa County. As stated previously, an aggregate processing plant is currently being operated on the site. The site is approximately 30% disturbed by present and past operations. The approximate area of current disturbance is 70 acres.

This site was operated intermittently since 1998. Reclamation will take place concurrently with, or after mining has ceased. Slopes will be mined by a front-end loader at 3H:1V until reaching water which is approximately at a depth of 25 ft. Mining will continue by dragline for another 100 ft in depth continuing at a 3H:1V slope. The final pit slopes are shown in Appendix D, and the mining sequence is described in Appendix E.

AZM estimated the removal of up to 1 Mt/yr over a 12-yr period for Phase 1. Phase 2 would be mined at the same rate over a 10-yr period; tonnage may vary.

The extraction / processing operation consists of removing earthen material for aggregate mining as described in A.R.S 27-441. The process includes the use of crushers, screens, conveyors, and mobile equipment to support production and ready-mix concrete plants.

Material will be stockpiled on the property for outside sales and plant use. Other activities can include core drilling, the drilling of additional wells, stripping of overburden, and possible dredging. Water for processing is delivered by a well located on the property. Locations are set aside for recycle and storage water on the property. Haul roads within the plant perimeter change often as the mining advances. Parking lots may also change location as needed.

It may be necessary to update current power needs in terms of temporary electrical lines and/or on-site fuel storage to accommodate heavy equipment.

Plant offices, warehouse, driver's rooms, and portable storage containers will occasionally be moved. Additional office area construction is expected in the future. Berms, fences, and landscaping will be placed for safety, environmental, and for visual and sound buffers.

3.0 DESCRIPTION OF THE AGGREGATE MINING UNIT AND PROPOSED SURFACE DISTURBANCES

3.1 Existing And Proposed Final Topography Including Waste Rock, Stockpiles and Fines

The site is located approximately 830 ft above sea level. No waste rock exists, all material is used in the production of sand and aggregate. Stockpiles will be moved before the expiration of mining. Any remaining stockpiles will be sold and fines reclaimed from the wash plant will be incorporated into the reclamation plan. Appendix F shows the existing conditions at the site.

The armored elevated berms installed during the operational period will be left as-is and will not be disturbed during the reclamation period. The pit bottom will be left as flat as possible with a dragline. Drainage of the pits will be internal. Refer to Appendix D for the final proposed topography and elevations.

3.2 Road Narrative

The existing quarry site is accessed via State Highway 85, by turning east onto West Narramore road (dirt) approximately one mile south of the Gila River, continuing easterly about one mile, then turning left on South Rooks Road (dirt) and travelling about one half-mile to the north. The current wash plant is located on the left. S. Rooks Road is situated along the east side of the site and will not be reclaimed. The pit and processing areas will be connected to the planned offices, labs, staging areas, scale house, and repair shop by a series of access roads internal to the reclaimed area. Haul roads outside of the pit will include approximately two acres of disturbance requiring reclamation. Air quality permits will regulate usage of the haul roads and the access roads. Active haul routes require dust suppression equipment, and the frequency of their usage will vary during the life expectancy of the mine plan. All road edges will be constructed with berms where required to meet the Mining Safety and Health Administration standard for all vehicles that may travel on them, and they will not impede the functionality in any way of the armored berms that will surround the pit(s). Right hand traffic is used throughout the mine area

unless otherwise posted. Signage will indicate the speed, direction, and other cautions that may be needed. Unauthorized entry is not allowed. There are no bridges or culverts located on the mine site. Drainage of all roads will be restored to pre-mining condition except for 1) South Rooks Road which also allows access to the neighboring Salt River Pima-Maricopa Indian Community land on the east side of the road; and 2) the narrow access roads that run along on the north and south sides of the site shown in Figure 1; they will be used for property inspection and maintenance after reclamation is complete.

3.3 Planned Total Disturbance by Phase

Table 1 shows the planned area of disturbance by phase. The total disturbance for Phase 1, including the East Pit, is 122.5 acres. Phase 2 expands the mining operation with an additional 70 acres for the West Pit.

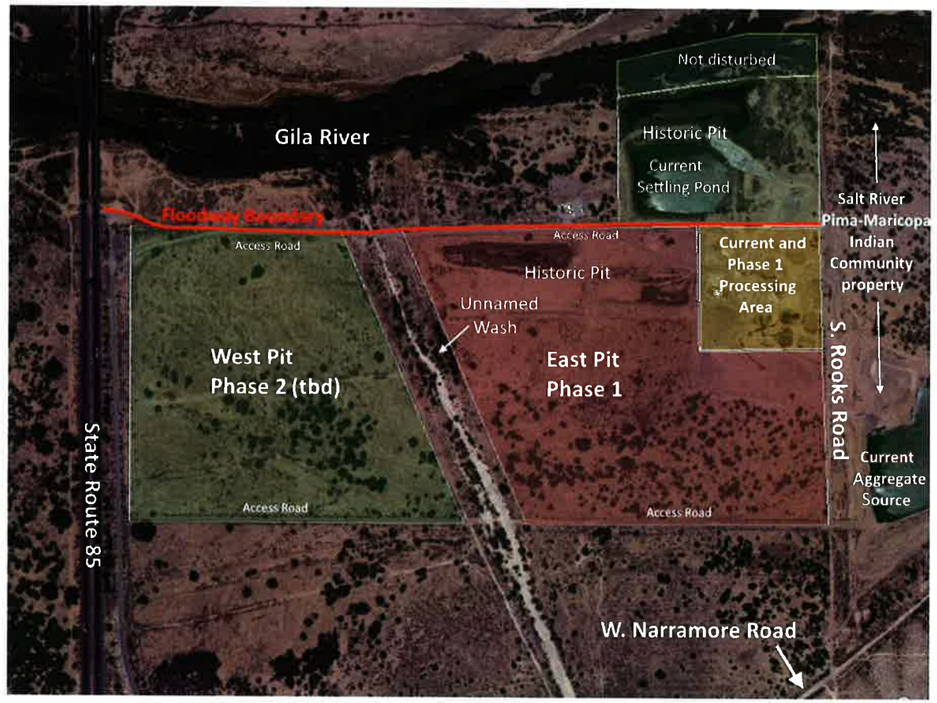
Table 1: Planned Area Disturbance

Area Description	Area in Acres
East Pit, Phase 1	
Total Aggregate Mine Open Pit	82.0
Roads	2.0
Settling Ponds	8.0
Process Areas	10.0
Other Disturbed Areas, Including Historic	20.5
Total Phase 1	**122.5**
West Pit, Phase 2	
Total Aggregate Mine Open Pit	70.0
Total Phase 2	**70.0**

3.4 Open Pit Disturbance

The open pit mining is divided into 2 phases (the 2nd Phase is potential) as shown in the General Arrangement in Figure 1. A detailed arrangement of each Phase is shown in Appendix E. Phase 1 is the East Pit, which contains 82 acres of minable material and Phase 2 (the West Pit), if undertaken, contains 70 acres. Small pits on the property have been mined since 1995.

Figure 1: Buckeye Site General Arrangement



3.5 Roads

Haul roads will account for approximately a half-mile in length within the property which will be an average of about 30 ft wide. Approximately two acres are planned to be disturbed by roads outside of the pit limits.

3.6 Settling Ponds

One settling pond, currently about eight acres in size, maintains both fresh and recycled water for the sand and gravel wash plant and is labeled in the historic pit in Figure 1. The northern historic pit will be used for a settling pond and will remain in place until full; filling will take about five years. The ponds will be filled with fines close to their original topography and allow for riparian conditions.

3.7 Perimeter Berms

Construction of the interim design (two pits) will be accomplished one pit at a time (the excavation of the second to be determined). The perimeter berms, armored with riprap, will be constructed during the operational period and are not part of the reclamation plan.

3.8 Unnamed Wash

An unnamed wash in the two-pit design shown in Figure 1 passes through the property from the southern boundary, exiting through the northern boundary. This wash is an Arizona Department of Transportation (ADOT) exclusion area; the wash will be avoided by the two-pit option. If the status of the exclusion should change in favor of AZM, a single pit option will be considered and re-permitted. The channel section of the wash will remain as-is and the crest of each side of the wash will have riprap erosion protection installed, as shown in Appendix D. This feature will be constructed during the operational period and is not part of the reclamation plan cost.

3.9 Previously Disturbed Areas to be Mitigated

Two pits excavated by the previous owner will be mitigated by AZM during the mining process. The larger of the two pits is located in the floodway of the Gila River and will be gradually infilled with fines from the operation of the wash plant and will be restored to near-original contours. The southernmost and smaller of the two pits will be encompassed by the Phase 1, east pit.

3.10 Overburden Impoundments

This property has no overburden considered as waste. Any fines left over from the plant and processing facilities will be used in the final reclamation activities.

3.11 Process Facilities

The disturbance area encompassing the process facilities is 10 acres. The process facilities consist of the following.

- Ready-mix Plant
- Crusher and Conveyors
- Wash Plant
- Drivers' Room
- Parts Storage
- Scale and Scale House
- Fuel Storage
- Water Well

- Admixture Storage
- Heavy Equipment and Employee Parking

3.12 Other

Approximately 7.5 acres on the property north of the north historic pit, which is currently being used as a settling pond is in the flood way and will remain undisturbed as indicated in Figure 1. This area is not included in the current mine plan.

4.0 RECLAMATION

Reclamation activities on the site include removal of equipment and structures, restoration of roads, removal of powerlines, water lines, and installation of fences around open pits. The site is first prepared by contouring and regrading the surrounding area for drainage. Slopes are then stabilized for final reclamation prior to revegetation. Reclamation activities are further explained below.

4.1 Reclamation Approach

AZM will construct a number of substantial erosion control structures during the operational period of the mine per the referenced 2023 Floodplain Use Permit application. These structures include an elevated berm surrounding the pit(s). Appendices D and E show the armored berms that will be built and their sequencing before and during operations. These features will remain after the reclamation is complete, but because their construction is during the operational period, their costs are not included in this reclamation plan. The construction and timing of these features is detailed in the Proposed Plan of Operations Construction Sequencing (Appendix E).

Mining and reclamation will occur in two phases with the East Pit mined in Phase 1 and the West Pit mined in Phase 2 (refer to Appendices C and D). Phase 1 will be mined and reclaimed before mining begins in Phase 2. Financial assurance will be placed before each Phase of mining. If it is decided to continue with Phase 2, mining and reclamation will begin after re-permitting with the State Mine Inspector.

AZM will reclaim the areas surrounding the pits as necessary and remove all stockpiles and portable construction that exists on the property from mining operations. Appendices C and D show the existing topography and the proposed final topography of the site, respectively.

Reclamation not feasible during operations will take place immediately after the mining facility ceases operation. Concurrent or ongoing reclamation where necessary and feasible will continue throughout the life cycle of the mining site for this aggregate operation.

AZM will slope the mining areas at 3H:1V to a depth of 25 ft or until they encounter water. At that time, mining will begin with a dragline. Setbacks at 10-ft intervals will be maintained by the dragline operator until the desired depth is reached. AZM final pit bottom is at a depth of 125 ft below the existing elevation.

4.2 Summary of Post Mining Reclamation Tasks by Phase

Following are tasks for Phase 1 (only) and Phases 1 and 2.

4.2.1 Phase 1 Only

- Site cleanup and removal of scrape and waste.
- Level and back fill areas for drainage.
- Contour remaining slopes.
- Remove portable crusher, wash plant, portable ready-mix plants.
- Fence and sign East Pit area.

4.2.2 Phases 1 and 2 (Phase 2 execution to-be-determined)

- Site cleanup and removal of scrape and waste.
- Level and back fill areas for drainage.
- Contour remaining slopes.
- Remove portable crusher, wash plant, portable ready-mix plants.
- Fence and sign East and West Pit areas.

4.3 Equipment and Structure Removal

All equipment used for the mining operation (e.g., portable crusher, portable wash plant, and ready-mix plant) will be removed from the site. Portable buildings and structures located on the property (e.g., job office, ready mix plant, and quality control lab) will be removed when the mining operation ceases. The concrete foundations constructed for the concrete plants will be broken up and removed.

All support equipment such as diesel fuel tanks, oil storage tanks, admixture tanks, and truck wash facilities will be removed as required by local, state, and federal regulations. The Material Safety Data sheets will be maintained at the job site until all substances listed in The Hazard Communication Standard are removed.

Where hazards to public safety cannot be reduced by reclamation, weather-resistant warning signs will be posted. All scrap metal, wood, trash, and other debris that pose a threat to public safety or create a public nuisance will be removed. Berms and fences will be installed around all excavations and will remain in place after reclamation is complete.

4.4 Roads, Power Lines, Water Lines, and Fences

No roads have been constructed exclusively to access the mining operation outside of the site. At the completion of the mining operation, the approximately half-mile section of S. Rooks Road adjoining the site will remain in-place. The existing access roads on the north and south property lines will remain in place for inspection and maintenance.

Temporary power lines and water lines that were installed on the property for the mining operation will be removed upon completion of activity. The power line along S. Rooks Road feeding the site will be left intact. One water well 300 ft deep and 20 inches in diameter will be abandoned following Arizona Department of Water Resources regulations.

Fences will be installed and signed around all open water areas left after mining ceases. All fences on the property not necessary to maintain public safety will be removed.

4.5 Area Preparation

Following completion of mining, the area will be recontoured to blend with the surroundings and revegetated naturally. Preparation will include dozing and grading materials, discing, and scarifying the surface, and soil amendment, where required.

4.6 Slope Stabilization

Pit perimeter slopes will be maintained at a 3H: 1V ratio during the mining operation. This feature will minimize erosion and result in a stable slope. Grading and scarification will be done, where necessary. Except for sloping and scarification, no other physical stabilization or erosion control is planned.

4.7 Soil Conservation

According to A.R.S. § 27-974, stockpiles of conserved soil shall be marked with legible signs that identify the stockpile as soil. A soil stockpile will be stabilized, if necessary, to prevent excessive losses from erosion or fugitive dust emissions. Currently, soils are not required for reclamation activities at the site and no soil stockpiles are stored on the property.

4.8 Revegetation

Natural vegetation is expected to be successful at the site. The surrounding area has sufficient native plant growth to support natural vegetation.

4.9 The Proposed Reclamation Measures to Achieve Post Mine Land Use and Public Safety

No structures will remain on site, and armored erosion-prevention berms and fences will be installed around the remaining pit(s). Where hazards to public safety cannot be reduced by reclamation, weather-resistant warning signs will be posted. All scrap metal, wood, trash, and other debris that pose a threat to public safety or create a public nuisance will be removed.

Pit slopes are mined to 3H: 1V by dragline. The pit floor will be leveled by a dragline. The final elevation will be contoured to blend with the surrounding area. Refer to Appendix D for the final proposed topography.

Haul roads and small vehicle roads disturbed or compacted areas of the property will be contoured to control erosion and aid in drainage.

Two unpermitted pits excavated by the previous owner (Rockland Materials) will be mitigated by AZM during the mining process. The larger of the two pits is located in the floodway of the Gila River and will be gradually infilled with fines from the operation of the wash plant. The area including the filled pit, is proposed for exchange with ADOT for the exclusion area. The value of this land to ADOT is intrinsic to the quality of the area and this reclaimed pit will be used to offset future wetland disturbances on other ADOT projects. To maintain wetland characteristics needed for a possible land exchange with ADOT, the former Rockland Pit is proposed to be filled to a level that maintains minimal water depth needed to maintain hydric soils and riparian vegetation but no longer poses a hydraulic risk to the Gila River. The filling operations will begin once a wash plant becomes operational at the Site and should take no longer than 5 years.

No permanent piles of mined material or overburden will be left to restrict drainage.

The final contours and topography will consider current storm water management plans, which include natural drainage channels, to maintain flood and erosion control.

Post-aggregate mining land use is considering fish and wildlife habitat, or recreation as options. The Gila River, which runs parallel to the property, is presently used for outdoor recreation.

4.9.1 Timeline

Some reclamation will run concurrent to the mining operation. Reclamation of the mining activity will be designed to minimize hazards to public safety to the extent technically and economically practicable. Due to variations in suitability of material in the pit, mining and reclamation phases may change to incorporate material that meets specifications.

Pending approval of this reclamation plan, AZM plans to start production in June 2024. AZM estimates that mining of Phase 1 will be complete in 12 years (June 2036) and one year will be required to complete reclamation immediately upon the completion of Phase 1 operations. Reclamation would be complete by June of 2037.

If the decision is made to proceed with Phase 2, an additional 10 years of mining will be gained, and the reclamation period after Phase 2 will be approximately one year.

4.10 Mine Closure

Mine closure activities will include reclamation of all mining, processing, and other areas as described above. Monitoring activities and personnel requirements post reclamation are also included in the mine closure requirements with details below.

4.10.1 Mining Areas

Reclamation of the open pit area will be concurrent with mining operations. The sloping of banks will take place while mining. All remaining reclamation will commence immediately upon closure of mining operations. It is anticipated that the final floors of the pits and most of the final sloped pit walls will be under water.

4.10.2 Processing and Other Areas

Reclamation of the processing and related areas will commence immediately upon completion of mining operations. There will be no substantial period between operation and reclamation. These areas will be contoured if necessary.

4.10.3 Monitoring and Personnel

All personnel employed at this site will be reassigned to other sites if work demands. The environmental monitoring and closure of operations at this site will be followed in accordance with requirements of the Arizona State Mine Inspector's Office.

Given that the pits of Phase 1 and Phase 2 will be mostly water filled, properly scarified, sloped to 3H: 1V internally, and heavily armored externally, little maintenance should be necessary. Natural revegetation is planned and will be monitored. Monitoring and maintenance is planned for the following 5 years after the reclamation is complete, at an estimated cost of $2,000/year.

4.10.4 Wildlife Affected

The wildlife that will be affected by the new disturbance would be that expected for open-space desert; all of the undisturbed portion of the site is open desert and out of the floodway. No known sensitive species are known to exist on the site.

5.0 PROPOSED POST-AGGREGATE MINING LAND USE

The area is bordered by commercial and agricultural properties. The land is generally graded flat with no slope. Development at the conclusion of the mining operation will be determined by the existing surrounding structures and demand for the land use.

- Developed water resources, water management projects, and an underground water storage facility may be considered in the future.
- Recreational use such as hiking, and fishing.
- Fish and wildlife habitat.

6.0 RECLAMATION COSTS

6.1 Reclamation Cost – Financial Assurance

Kilgore Companies dba AZM is responsible for all reclamation cost described. Financial surety will be provided within 60 days of plan acceptance by the Arizona State Mine Inspector.

6.2 Reclamation Cost Summary

The reclamation cost for the site is US$141,776.28 excluding administrative, overhead, and profit estimates. Including overhead and profit, the total reclamation cost is US$199,513.47. The large items driving this cost are the fence installation around the East Pit (7,800 ft) and the process area regrade. These items comprise approximately 40% and 20% of the total direct cost, respectively.

6.3 Methodology Used to Develop Reclamation Cost Estimate

Reclamation costs estimated for the site were developed with the RSMeans data from Gordian online. RSMeans is an industry-leading construction cost database with options to build line-by-line or conceptual estimates directly in the platform. Some of the federal and state agencies that use RSMeans databases are housing authorities, parks and recreation, public safety, public utilities, streets and highways, transit facilities, and wastewater management. The database chosen for the site was the 2023 database with Phoenix area adjustments. The spreadsheet with the cost derivations is provided in Appendix B.

6.4 Estimated Phase 1 Reclamation Cost by Category

Financial assurance for Phase 1 includes the dismantling of process plants, roads scarified, drainage established, installing fences, concrete pads removed, one well closed, stockpiles graded into the surrounding areas, and hard power removed. Administrative costs include plan development, consultant fees, all-risk insurance, and contractor's insurance. Overhead and profit margins were estimated at 10% for each item. Financial assurance will be applied to Phase 2 if AZM elects to mine these areas. Refer to Table 2 for a summary of Phase 1 reclamation costs. If Phase 2 is done, additional reclamation cost details will be submitted for the Phase 2 work.

Table 2: Phase 1 Reclamation Cost Summary

Reclamation Activity Category	Total Area of Disturbance	Description	Units	Total Units	Cost Per Unit	Estimated Total Cost
Direct Reclamation Costs						
Pit Sloping Takes Place During Mining	52.5 Acres	Slope no greater 3H:1V	Acre	53	$0.00	$0.00
Process Area / Stockpile / Parking / Scale / Plants	10	Scarify / Drain	Acre	10	$2,749	$27,486.66
Concrete Pads	1,000 ft^2	Demolish	ft^2	1,000	$5.63	$5,630.51
Process Plant	Crusher / WP / Conveyors	Removal	Equipment	3	$3,377	$10,131.56
Structures	Scale / Tanks / Office / Ready Mix	Removal	Equipment	4	$3,608	$14,433.39
Installation of Fence	52.5 Acres	Install Phase 1	ft	7,800	$7.18	$56,004.00
Well	Each	Closure	1	1	$12,213	$13,675.40
Hard Power	Transformer	Removal	1	1	$878	$877.50
Scrap, Trash	Various	Remove and Dispose	Tons	15	$74.00	$1,110.00
Stockpile Regrade	Various	Move and Place	Yards	5,000	$2.49	$12,427.26
Other	0	0	0	0	$0.00	$0.00
Total Reclamation						**$141,776.28**
Administrative Costs						
Administration Cost	**Initial Hours**	**Annual Hours**	**Cost Per Hour**	**Years**	**%**	**Total Admin**
Plan Development					5.44%	$7,712.63
Consultant Engineering Fees					2.27%	$3,218.32
Insurance, All-Risk					0.6%	$793.95
Insurance, Contractors					1.4%	$1,928.16
Total Admin						**$13,563.06**
Overhead and Profit (O&P)						
Overhead					10%	$17,042.07
Profit					10%	$17,042.07
Total O&P						$34,084.13
Inspect and Maintain			Years	5	2,000	$10,000.00
Total Reclamation						**$199,513.47**

6.5 Reclamation Cost Details

6.5.1 Process Area – Stockpile / Parking / Scale / Plants

The disturbed portion of the process area encompasses approximately 10 acres. This area will be scarified, and drainage established after the plants and stockpiles are removed. A 180 hp grader and a 200 hp dozer will perform this task. The daily production rates for the dozer were estimated at 50,000 ft^2/d and grader daily rates were estimated at 110,000 ft^2/d. Hourly cost estimates for equipment operation is shown below in Table 3 and Table 4.

Table 3: Process Area – Grader

Crew B-11L	Hr	Daily
1 Equipment Operator (Medium)	$63.05	$504.40
1 Laborer	$47.25	$378.00
1 Grader, 30,000 lb		$1,091.19
Daily Total		**$1,973.59**

Table 4: Process Area – Dozer

Crew B-11A	Hr	Daily
1 Equipment Operator (Medium)	$63.05	$504.40
1 Laborer	$47.25	$378.00
1 Dozer, 200 hp		$1,382.36
Daily Total		**$2,264.76**

Following are the cost summaries for the process area regrading and scarifying using the daily rates in Table 3 and Table 4.

- Grader: US$6,605.40
- Dozer: US$17,004.00
- Mobilize / Demobilize Equipment: US$3,877.26
- Total: US$27,486.66

6.5.2 Concrete Pads

Concrete pads used for the processing plants will need to be demolished and sent off site. A backhoe equipped with a 1,200 lb hydraulic hammer will demolish 18.5 yd^3 of concrete in about six hours. A front-end loader with a 4 yd^3 bucket will load the material into a truck, which will haul the material off site. The daily output for the concrete demolition crew is 24 yd^3/d and the hauling estimate is 216 yd^3/d. The hourly costs associated with the demolition crew and the hauling estimate is shown in Table 5 and Table 6.

Table 5: Concrete Pads – Demolition

Crew B-38	Hr	Daily
1 Labor Foreman (Outside)	$49.25	$394.00
2 Laborers	$47.25	$756.00
1 Equipment Operator (Light)	$59.70	$477.60
1 Equipment Operator (Medium)	$63.05	$504.40
1 Backhoe Loader, 48 hp		$277.19
1 Hyd. Hammer (1,200 lb)		$194.78
1 F.E. Loader, wheel mounted (W.M.), 4 yd^3		$789.98
1 Pavement Removal Bucket		$70.14
Daily Total		**$3,464.09**

Table 6: Concrete Pads – Hauling

Crew B-34B	Hr	Daily
1 Truck Driver (heavy)	$55.45	$443.60
1 Dump Truck, 12 yd^3, 400 hp		$791.36
Daily Total		**$1,234.96**

The total estimated cost for demolition and removal of 18.5 yd^3 concrete pads are shown below using the daily rates in Table 5 and Table 6.

- Demolition: US$1,660.38
- Hauling: US$92.87
- Mobilize / Demobilize: US$3,877.26
- Total: US$5,630.51

6.5.3 Process Plants Removal

The process plant consists of the crusher, wash plant, and conveyors. These items are mobile and will be transported with a 220 hp tractor trailer with costs shown in Table 7. The daily production estimate is one unit transported per day.

Table 7: Process Plants – Transport Equipment

Crew B-34U	Hr	Daily
1 Truck Driver (Heavy)	$55.45	$443.60
1 Equipment Operator (Light)	$59.70	$477.60
1 Truck Tractor, 220 hp		$339.98
1 Flatbed Trailer, 25 t		$150.61
Daily Total		**$1,411.79**

Following are cost summaries estimated for demobilizing the crusher, wash plant and conveyors using the daily rates in Table 7.

- Crusher: US$1,938.63
- Wash Plant: US$1,938.63
- Conveyors: US$6,254.30
- Total Plant: US$10,131.56

6.5.4 Structures Removal

Structures that will need to be removed at time of reclamation include the ready-mix plant, scales house, office, and various tanks. Depending on the structure, an excavator or a crane will be used to load the equipment on trailers to be hauled off. The daily output rating for the excavator is 1,200 yd^3/d and the transportation rating is one unit per day. The daily output for the crane estimate is one unit per day. Hourly production costs for the excavator, transport, and crane are shown in Table 8 and Table 9 below.

Table 8: Structure Removal – Excavator

Crew B-12B	Hr	Daily
1 Equipment Operator (crane)	$66.30	$530.40
1 Laborer	$47.25	$378.00
1 Hyd. Excavator, 1.5 yd^3		$1,185.24
Daily Total		**$2,093.64**

Table 9: Structure Removal – Crane

Crew A-3K	Hr	Daily
1 Equipment Operator (Crane)	$66.30	$530.40
1 Equipment Operator (Oiler)	$56.40	$451.20
1 Hyd. Crane, 55 t (Daily)		$2,461.06
1 P/U Truck, $^3/_4$ t (Daily)		$157.41
Daily Total		**$3,600.07**

Estimates of the processing plant and structure removal are listed below using the daily rates in Table 8 and Table 9.

- Ready Mix Plant: US$1,938.63
- Large Tanks: US$1,862.20
- Small Tanks: US$1,381.10
- Scale House: US$2,281.10
- Office: US$4,839.46
- Total Structures: US$14,433.39

6.5.5 Fence Installation

7,800 ft of strand barbed wire fence will be installed around the East Pit. Three laborers and one flatbed 3-ton truck will be used to install the fencing. The daily output for the fence crew is estimated at 912 linear ft/d. The fencing materials are estimated at US$5.95/linear ft. Hourly costs for installing the fence are shown below in Table 10.

Table 10: Fence Installation

Crew B-80A	Hr	Daily
3 Laborers	$47.25	$1,134.00
1 Flatbed Truck, Gas, 3 t		$391.02
Daily Total		**$1,525.02**

Fence installation around the 7,800 ft perimeter is US$56,004 using the daily rates in Table 10, which equates to US$7.18 per linear foot installed.

6.5.6 Well Closure

There is a single well on site (Registry No. 55-629008). The well will be closed with casing and gravel pack, and a 200 hp dozer will rough grade and scarify the area when complete. The total estimated time to complete the well closure will be three days with the crew below. The production rate for the dozer while regrading and scarifying is 50,000 ft²/d. Table 11 and Table 12 outline the hourly cost structure for the well closure.

Table 11: Well Closure

Crew B-23	Hr	Daily
1 Labor Foreman (Outside)	$49.25	$394.00
4 Laborers	$47.25	$1,512.00
1 Drill Rig, Truck-Mounted		$856.23
1 Flatbed Truck, Gas, 3 t		$391.02
Daily Total		**$3,153.25**

Table 12 : Well Closure – Regrade / Scarify

Crew B-11A	Hr	Daily
1 Equipment Operator (Medium)	$63.05	$504.40
1 Laborer	47.25	$378.00
1 Dozer, 200 hp		$1,382.36
Daily Total		**$2,264.76**

The total estimate for the well closure is listed below using the daily rates in Table 11 and Table 12.

- Well Closure: US$7848.14
- Grading and Scarifying: US$1,950.00
- Mobilize / Demobilize: US$3,877.26
- Total Well Closure: US$13,675.40

6.5.7 Hard Power Removal

One pad-mounted transformer will be removed from site. A crew of one Electrician Foreman, one Electrician, and one crane operator will disassemble and remove the transformer. The time estimated in removing the transformer is approximately 16 hr. The hourly costs for hard power removal are shown in Table 13.

Table 13: Hard Power Removal

Crew R-3	Hr	Daily
1 Electrician Foreman	$67.85	$542.80
1 Electrician	$67.35	$538.80
0.5 Equipment Operator (Crane)	$66.30	$265.20
0.5 S.P. Crane, 4×4, 5 t		$192.94
Daily Total		**$1,539.74**

The total estimated hard power removal cost is US$877.50 using the daily rates in Table 13.

6.5.8 Trash Removal

An estimate of 15 t of various trash, scrap metal, and debris will be removed from site. The concrete demolition crew will remove this material in the same day. The hauling and loading charges would be negligible, as it is only one load of material, but the urban city landfill charges would be US$74.00/t.

Reclamation cost for dump charges for trash removal around the site is US$1,110.00.

6.5.9 Stockpile Regrade

Various stockpiles around the property totaling 5,000 loose yd^3 will be used in recontouring and scarifying the surrounding area. A 200 hp dozer will be mobilized to the site for this purpose. The production rating for the dozer while regrading stockpiles is 1,000 yd^3/d. The hourly unit-cost structure for the dozer is shown below in Table 14.

Table 14: Stockpile Re-Grade

Crew B-10B	Hour	Daily
1 Equipment Operator (Medium)	$63.05	$504.40
0.5 Laborer	$47.25	$189.00
1 Dozer, 200 hp		$1,382.36
Daily Total		**$2,075.76**

The unit cost per yd^3 is US$2.58. The total estimation for regrading the stockpile area using the daily rates in Table 14 are listed below.

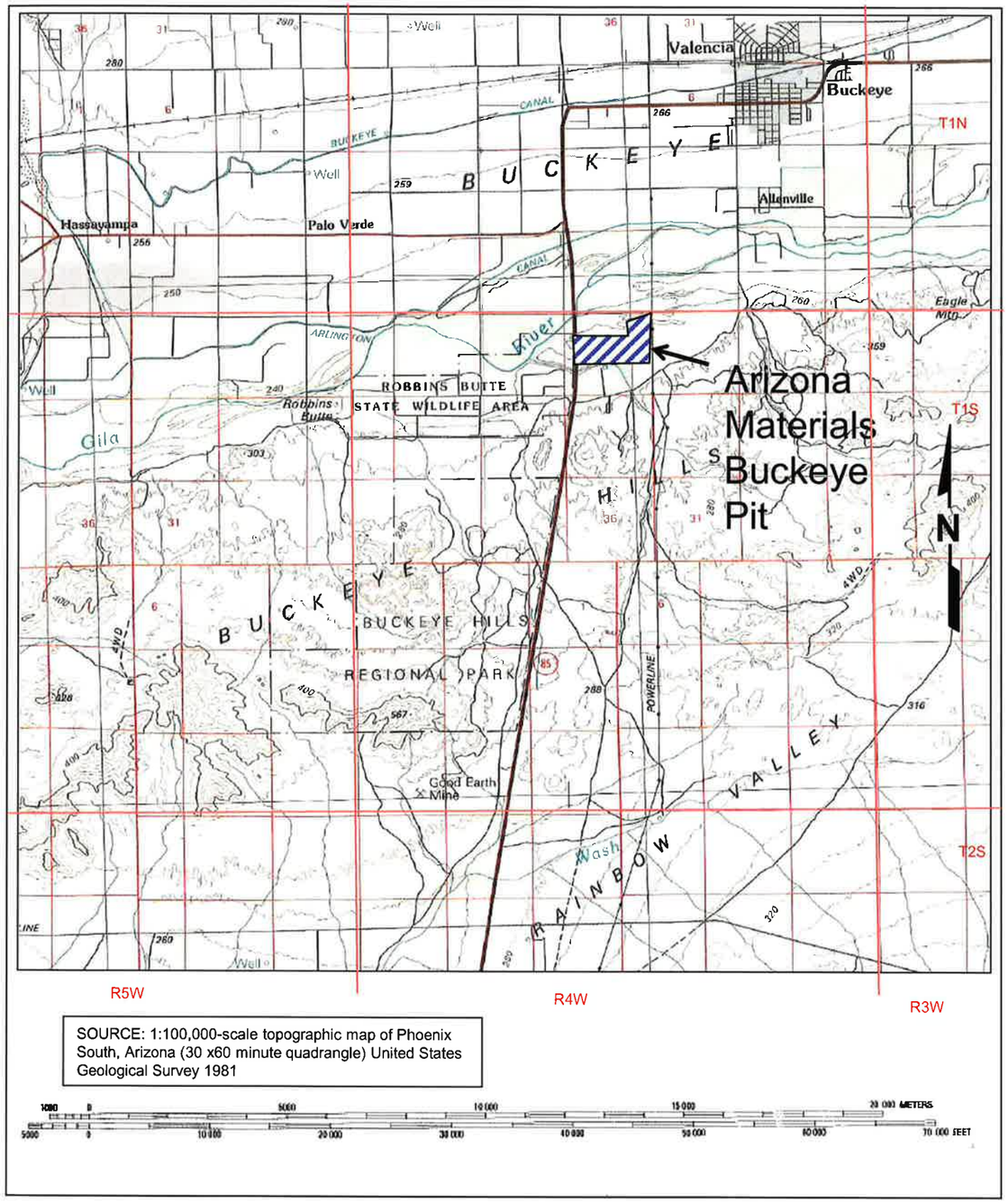
- Dozing: US$8,550.00
- Mobilize / Demobilize: US$3,877.26
- Total: US$12,427.26

7.0 REFERENCES

Haley & Aldrich File No. 021709-000, Floodplain use Permit Application for Sand and Gravel Operations, Arizona Materials, Rooks Road Aggregate Mine, Buckeye AZ, dated February 2023

RSMeans Data 2023, Heavy Construction Costs Book, Phoenix, AZ area.

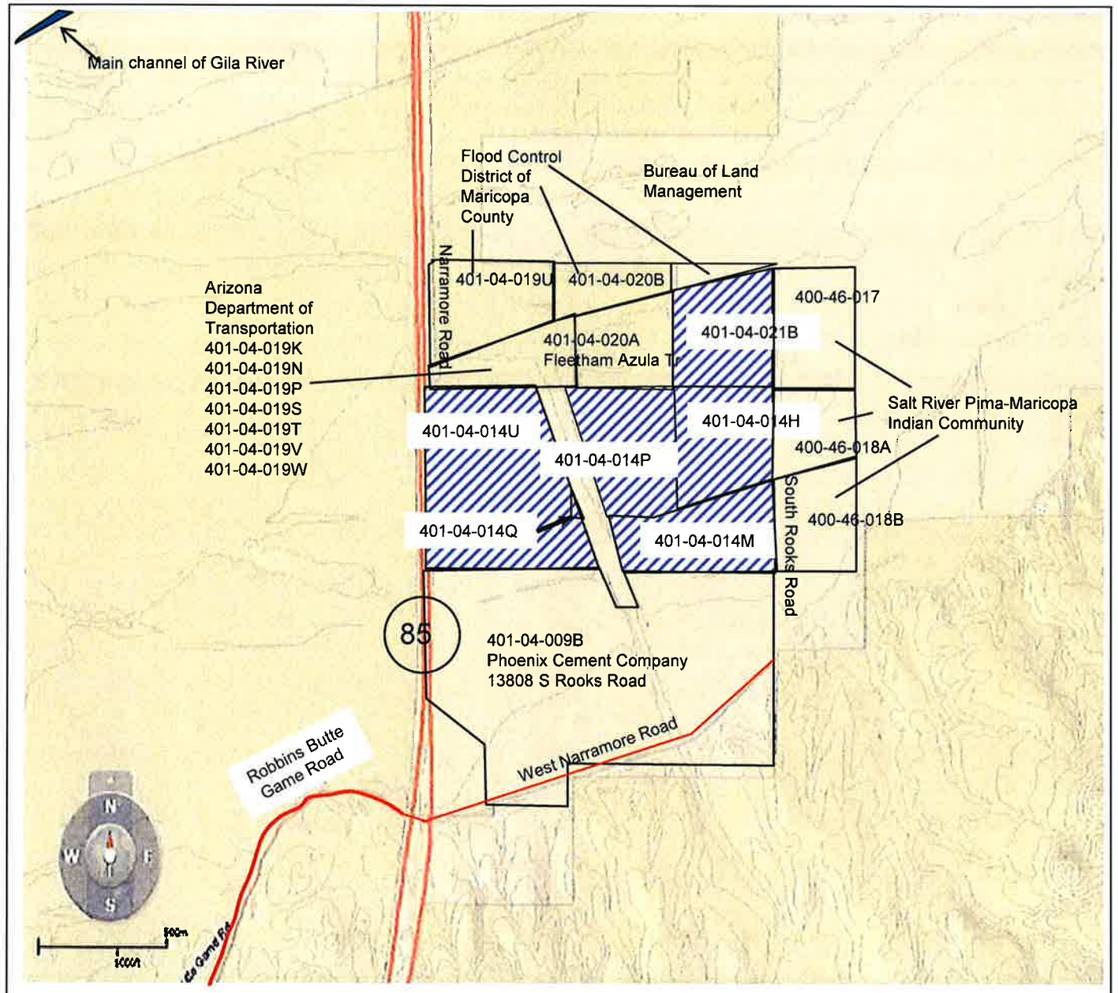
Appendix A
Site Location Map



Arizona Materials
Buckeye Pit
12820 S Rooks Road
T1S, R4W, Section 24
Maricopa County, Arizona 85205

Appendix A
Site Location Map

Appendix B
Site Vicinity Map



Parcels owned by Arizona Materials Properties LLC that comprise the Buckeye Pit Site

SOURCE: Maricopa County Assessor website
http://mcassessor.maricopa.gov/maps/

Appendix C
Current Topography Map

Legend

- 2 ft Contour
- 10 ft Contour
- Site Boundary

0 450 Feet

(At original document size of 11x17)
1 IN : 450 FT

N

Notes

1. Coordinate System: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet
2. Data Sources: USGS 1m DEM, 2020
3. Background: ESRI World Imagery, 2023

Stantec

Project Location
T01S, R04W, S24
Maricopa County, AZ

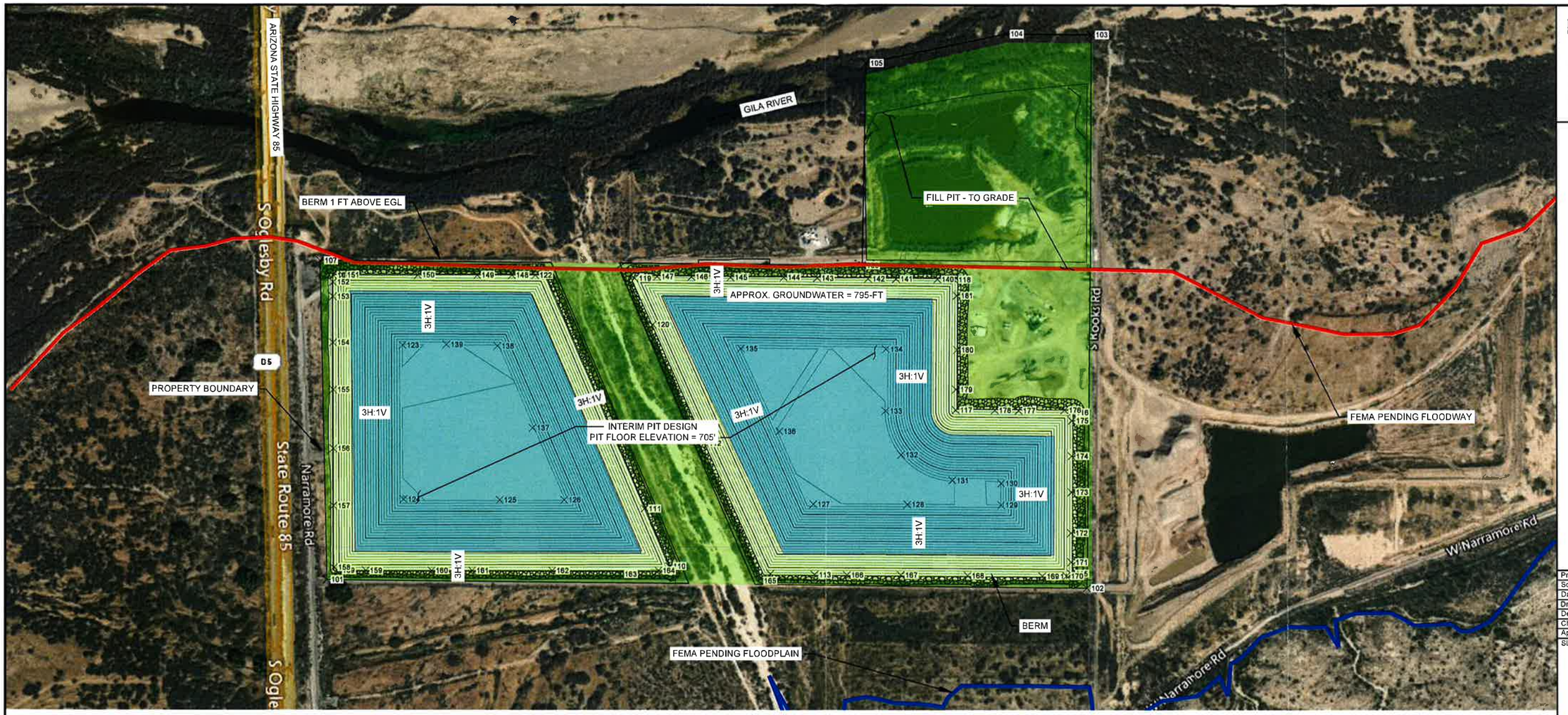
Prepared by AS on 2024-01-10
TR by CB on 2024-01-10
IR by DW on 2024-01-10

Client/Project 182922579
Client: Arizona Materials LLC
Project: Buckeye Site Reclamation Plan
Report: Existing Topography

Figure No.
Appendix C

Title
Buckeye Site Reclamation Plan
Existing Topography

Appendix D
Final Topography Map



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Project No.:	0201709
Scale:	AS SHOWN
Date:	FEBRUARY 2023
Drawn By:	H&A
Designed By:	H&A
Checked By:	H&A
Approved By:	H&A

Stamp:

Rev.	Description	By	Date
54	FOR SUBMITTAL	CGL	02/16/23
53	FOR SUBMITTAL	CGL	11/23/22
52	FOR SUBMITTAL	CGL	06/30/22
51	FOR SUBMITTAL	CGL	10/20/21

PLAN OF OPERATIONS
ARIZONA MATERIALS
ROOKS ROAD PLANT

PROPOSED CLOSURE PLAN - INTERIM

C-600

Sheet: 16 of 17

GENERAL NOTES

1. FEMA EFFECTIVE FLOODPLAIN AND FLOODWAY DATA FROM FEMA FIRM MAP 04013C2165N, DATED: SEPTEMBER 18, 2020.
2. ELEVATIONS PROVIDED ON THE FIGURE REFERENCE NAVD88.
3. PIT LAKE AND NATURALIZED OPEN SPACE TO BE USED POST-RECLAMATION FOR RECREATIONAL PURPOSES.
4. 3H:1V INTERIOR SLOPES PROVIDE SAFE ACCESS TO PIT LAKES.
5. SEE SHEET C-101 FOR POINT ELEVATION AND LOCATION TABLE.
6. SEE SHEETS C-101 FOR CLOSURE SECTION LOCATIONS AND SHEETS C-200, C-201 AND C-202 FOR CLOSURE SECTIONS.

CLOSURE NOTES

CLOSURE AND RECLAMATION ACTIVITIES ARE GOVERNED BY THE ARIZONA STATE MINE INSPECTOR (ASMI) APPROVED *AGGREGATE MINED LAND RECLAMATION PLAN* (PLAN). THE PLAN SPECIFIES THE SPECIFIC FACILITY DEMOLITION AND REMOVAL, GRADING, REVEGETATION AND SECURITY MEASURES FOR THE SITE TO BE RECLAIMED IN A *SAFE AND STABLE CONDITION* BEFORE THE RECLAMATION FINANCIAL ASSURANCE MECHANISM CAN BE RELEASED.

THE PLAN REQUIRES THAT THE SITE BE SECURE, THAT POSSIBLE DRAINAGE INTO THE PIT BE ARMORED TO PREVENT DAMAGING EROSION, AND THAT THE SITE BE GRADED AND NATURALLY REVEGETATED. THE FINANCIAL ASSURANCE MECHANISM POSTED WITH THE ASMI CAN ONLY BE RELEASED UNTIL AFTER THE GRADING AND RECLAMATION MEASURES SPECIFIED IN THE PLAN ARE IMPLEMENTED.

THE OPERATOR HAS UP TO 12 MONTHS TO COMPLETE RECLAMATION ACTIVITIES ONCE MINING CEASES AND THE PLAN STIPULATES UP TO AN ADDITIONAL 36 MONTHS TO OVERSEE THE SITE TO MONITOR REVEGETATION PROGRESS, ENSURE SLOPE STABILITY, AND MITIGATE WILDCAT DUMPING ONCE THE RECLAMATION MEASURES ARE IMPLEMENTED, THE OPERATOR CAN REQUEST THAT THE SITE BE CLOSED. THE ASMI WILL INSPECT THE SITE FOR COMPLIANCE WITH THE PLAN AND DETERMINE IF CLOSURE AND RECLAMATION ACTIVITIES HAVE BEEN CONDUCTED IN ACCORDANCE WITH THE PLAN BEFORE ISSUING AN OFFICIAL CLOSURE DETERMINATION AND RELEASE THE FINANCIAL ASSURANCE MECHANISM.

MINING OPERATIONS CAN ENTER A TEMPORARY *CARE AND MAINTENANCE* CONDITION DUE TO MARKET VARIABILITY AND SUPPLY CONSIDERATIONS. DURING *CARE AND MAINTENANCE*, THE OPERATOR MUST MAINTAIN AND COMPLY WITH ALL PERMITS, SECURE THE FACILITY, CONDUCT ANNUAL INSPECTIONS, AND SUBMIT PROPERTY STATUS REPORTS TO THE ASMI. THE OPERATOR CAN KEEP A FACILITY IN *CARE AND MAINTENANCE* FOR NO MORE THAN 5 YEARS, AND CAN EXTEND THE *CARE AND MAINTENANCE* FOR NO MORE THAN 5-YEARS, AND CAN EXTEND THE *CARE AND MAINTENANCE* PERIOD ONLY WITH THE CONCURRENCE OF THE ASMI.

LEGEND

- PROPOSED GROUND
- PROPERTY LIMITS
- FEMA PENDING FLOODPLAIN
- FEMA PENDING FLOOWAY
- RIPRAP
- NATURALIZED OPEN SPACE
- PIT LAKE

0 300 600
SCALE IN FEET

Appendix E
Construction Sequence

CONSTRUCTION SEQUENCING

AZ MATERIALS WILL BE CONSTRUCTING A NUMBER OF SUBSTANTIAL EROSION CONTROL STRUCTURES DURING THE OPERATIONAL PERIOD OF THE MINE. THESE INCLUDE AN ELEVATED BERM AND A LAUNCHABLE RIPRAP TRENCH TO PRECLUDE THE POSSIBILITY OF THE GILA RIVER MIGRATING SOUTHWARD AND CAPTURING THE PIT AS A CONSEQUENCE OF A REGULATORY LEVEL FLOODING EVENT. ALSO INCLUDED (IN THE ULTIMATE MINE DEVELOPMENT OPTION) ARE TWO COMBINATION INLET/OUTLET STRUCTURES CONSTRUCTED TO MANAGE THE DESIGN FLOW FROM BOTH THE UNNAMED WATERSHED BEING CHANNELED THROUGH THE SITE, AND THE GILA RIVER. THE NORTH AND SOUTH PIT OPENINGS ARE A REQUIREMENT TO ALLOW ACCUMULATED RUNOFF FROM THE UNNAMED WATERSHED ASSOCIATED WITH THE CHANNEL FROM THE SOUTH. THE DESIGNED STRUCTURES HAVE BEEN CALCULATED BASED ON THE DESIGN SCENARIO OF USING THE PENDING MODEL AS SPECIFIED BY FCDMC THAT IDENTIFY THE HIGHEST FLOW VELOCITIES AND WATER LEVELS WHICH AFFECTS THE STRUCTURES, WHETHER THEY ARE INLET OR OUTLET CONDITION. THE PENDING MODEL HAS BEEN APPROVED BY FCDMC BASED ON THE PROGRESS OF THE HYDRAULIC REVIEW BY FEMA FOR THE REMAPPING EFFORT OF THE GILA RIVER.

THESE STRUCTURES REQUIRE SUBSTANTIAL VOLUMES OF LARGE RIPRAP MATERIALS WHICH ARE NOT READILY AVAILABLE IN THE MARKETPLACE, AND CANNOT BE MINED ON THE PROPERTY. COUNTY POLICY DOES ALLOW FOR RIPRAP TO BE MANUFACTURED WITH RETURN CONCRETE OR REPLACED WITH BROKEN CONCRETE OF EQUIVALENT DIMENSIONS TO THOSE CALCULATED. ALTHOUGH AZ MATERIALS IS PRESENTLY STOCKPILING THESE MATERIALS, THE PRODUCTION OR ACCUMULATION OF SUFFICIENT RIPRAP MATERIALS WILL OCCUR GRADUALLY OVER TIME.

RECOGNIZING THAT RIPRAP MATERIALS ARE NOT READILY AVAILABLE, AND THE CONSTRUCTION COSTS OF BUILDING THE LAUNCHABLE TRENCH AND INLET STRUCTURES WILL BE SUBSTANTIAL, AZ MATERIALS PROPOSED TO CONSTRUCT THE STRUCTURES OVER A PHASED PERIOD REFLECTING THE OVERALL MINING SCHEDULE. ULTIMATELY, ALL STRUCTURES WOULD BE COMPLETED PRIOR TO THE PIT(S) REACHING MAXIMUM EXTRACTION PHASE. HOWEVER, INTERIM CONSTRUCTION MILESTONES AND SETBACKS HAVE BEEN DEVELOPED FOR EACH FEATURE (AS DEFINED, BELOW).

THE SITE WILL BE INITIALLY DEVELOPED USING THE TWO PIT INTERIM DESIGN WITH THE EAST PIT BEING DEVELOPED FIRST, FOLLOWED BY THE WEST PIT. IF AT ANY TIME THAT ADOT ABANDONS THE RIGHT-OF-WAY IN FAVOR OF AZ MATERIALS, THEN AZ MATERIALS MAY SHIFT TO THE ONE PIT ULTIMATE DESIGN. THE SEQUENCING OF FLOOD MITIGATION IS DISCUSSED IN MORE DETAIL, BELOW.

LAUNCHABLE RIPRAP TRENCH AND BERM PROTECTION - INTERIM TWO PIT DESIGN

CONSTRUCTION OF THE INTERIM DESIGN WILL BE ACCOMPLISHED ONE PIT AT A TIME. PRIOR TO THE EXCAVATION OF THE EAST PIT, THE ASSOCIATE LAUNCHABLE RIPRAP TRENCH WILL BE CONSTRUCTED AROUND THE NORTHERN, EASTERN, AND A PORTION OF THE SOUTHERN PERIMETER OF THE PIT. THE SPECIFICS OF THE NEEDED RIPRAP SIZING AND LAUNCHABLE TRENCH DIMENSIONS HAVE BEEN DETERMINED AND WILL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED POO. THE LAUNCHABLE RIPRAP TRENCH MUST BE INSTALLED LEVEL WITH THE EXISTING GROUND SURFACE, AND HAUL ROADS CAN SUBSEQUENTLY BE CONSTRUCTED OVER THE COMPLETED TRENCHES WHERE NECESSARY. SCARIFICATION, OVERBURDEN STRIPPING, REPAIRS TO EXISTING DISTURBANCES, AND THE EXCAVATION OF ANY SAND AND GRAVEL RESOURCES, INCIDENTAL TO THE CONSTRUCTION OF THE BERMS, LAUNCHABLE TRENCH, BERM ASSOCIATED SLOPE ARMOURING IS EXPRESSLY ALLOWED.

EAST PIT

AZ MATERIALS CAN REMOVE UP TO 25 FEET OF OVERBURDEN MATERIALS WITHIN THE INTERIOR OF THE EAST PIT PROVIDED THAT THE LAUNCHABLE RIPRAP TRENCH IS FULLY INSTALLED, EXCAVATION ACTIVITIES ARE NO CLOSER THAN 500 FEET FROM THE PERIMETER OF THE PROPERTY (OR THE EAST BOUNDARY OF EXCLUSION ZONE), AND PIT SLOPES ARE NO STEEPER THAN 5H:1V. THIS WILL PROVIDE MATERIALS FOR BERM CONSTRUCTION, PIT MITIGATION, AND POSE NO OFFSITE EROSIONAL HAZARDS IF SUBJECTED TO OCCASIONAL INUNDATION.

PRIOR TO EXCAVATING DEEPER THAN 25 FEET BELOW SURFACE GRADE, OR CLOSER THAN 500 FEET TO THE PROPERTY BOUNDARY, AZ MATERIALS WILL BEGIN CONSTRUCTION OF THE ARMOURED BERM. THE BERM WILL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE.

EXCAVATION ACTIVITIES WILL BEGIN IN THE NORTHEAST CORNER OF THE EAST PIT AND GRADUALLY PROGRESS SOUTH AND WESTWARD. BEFORE THE PIT IS DEEPENED BELOW 25 FEET, OR ADVANCED CLOSER THAN 500 FEET FROM THE PROPERTY BOUNDARY, BERM CONSTRUCTION WILL BEGIN IN THE NORTHEAST CORNER OF THE EAST PIT AND PROGRESS WESTWARD ALONG THE NORTH PIT EDGE AND SOUTHWARD ALONG THE EAST PIT EDGE.

INITIAL BERM CONSTRUCTION WILL INCLUDE A MINIMUM OF 750 FEET OF NORTH TO SOUTH BERM ALONG THE EAST PIT BOUNDARY, AND 750 FEET OF WEST TO EAST BERM ALONG THE NORTH PIT BOUNDARY. ADDITIONAL BERM CONSTRUCTION WILL OCCUR AT GENERALLY THE SAME RATE AS MINING PROGRESSES TO THE SOUTH AND WEST SUCH THAT NO LESS THAN 500 FEET OF BERM EXTENDS BEYOND THE WESTERN- AND SOUTHERN-MOST EXTENT OF MINING. ONCE MINING PROGRESSES WITHIN 500 FEET OF THE SOUTH PIT BOUNDARY, THE SOUTHERN BERM MUST BE CONSTRUCTED AND EXTEND NO CLOSER THAN 500 FEET WEST OF THE FURTHEST EASTERN EXTENT OF MINING AND BE GENERALLY CONSTRUCTED IN PARALLEL WITH THE NORTHERN BERM.

BEFORE MINING OCCURS CLOSER THAN 500 FEET FROM THE WEST PIT BOUNDARY, THE ENTIRE WEST PIT BERM FACING THE UNNAMED WASH MUST BE COMPLETED.

WEST PIT

AZ MATERIALS CAN REMOVE UP TO 25 FEET OF OVERBURDEN MATERIAL WITHIN THE INTERIOR OF THE WEST PIT PROVIDED THAT THE LAUNCHABLE RIPRAP TRENCH ALONG THE NORTH PIT BOUNDARY IS FULLY INSTALLED, EXCAVATION ACTIVITIES ARE NO CLOSER THAN 500 FEET FROM THE PERIMETER OF THE PROPERTY (OR THE WEST BOUNDARY OF THE EXCLUSION ZONE), AND PIT SLOPES ARE NO STEEPER THAN 5H:1V. THIS WILL PROVIDE MATERIALS FOR BERM CONSTRUCTION AND POSE NO OFFSITE EROSIONAL HAZARDS IF SUBJECTED TO OCCASIONAL INUNDATION.

PRIOR TO EXCAVATING DEEPER THAN 25 FEET BELOW SURFACE GRADE, OR CLOSER THAN 500 FEET TO THE PROPERTY BOUNDARY, AZ MATERIALS WILL BEGIN CONSTRUCTION OF THE ARMOURED BERM. THE BERM WILL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE.

EXCAVATION ACTIVITIES WILL BEGIN IN THE NORTHEAST CORNER OF THE WEST PIT AND GRADUALLY PROGRESS SOUTH AND WESTWARD. BEFORE THE PIT IS DEEPENED BELOW 25 FEET, OR ADVANCED CLOSER THAN 500 FET FROM THE PROPERTY BOUNDARY, BERM CONSTRUCTION WILL BEGIN IN THE NORTHEAST CORNER OF THE WEST PIT AND PROGRESS WESTWARD ALONG THE NORTH PIT EDGE, AND SOUTHWARD ALONG THE EAST PIT EDGE.

INITIAL BERM CONSTRUCTION WILL INCLUDE A MINIMUM OF 750 FEET OF NORTH TO SOUTH BERM ALONG THE WEST PIT BOUNDARY (FACING THE UNNAMED CHANNEL) AND 750 FEET OF EAST TO WEST BERM ALONG THE NORTH PIT BOUNDARY. ADDITIONAL BERM CONSTRUCTION WILL GENERALLY OCCUR AT THE SAME RATE AS MINING PROGRESSES TO THE SOUTH AND WEST SUCH THAT NO LESS THAN 500 FEET OF BERM EXTENDS BEYOND THE EASTERN- AND SOUTHERN-MOST EXTENT OF MINING. ONCE MINING PROGRESSES WITHIN 500 FEET OF THE SOUTH PIT BOUNDARY, THE SOUTHERN BERM MUST BE CONSTRUCTED AND EXTEND NO LESS THAN 500 FEET WEST OF THE FURTHEST WESTERN EXTENT OF MINING, AND BE GENERALLY CONSTRUCTED IN PARALLEL WITH THE NORTHERN BERM.

BEFORE MINING OCCURS CLOSER THAN 500 FEET FROM THE WEST PIT BOUNDARY, THE ENTIRE WEST PIT BERM FACING THE WESTERN PROPERTY BOUNDARY MUST BE COMPLETED.

UNNAMED WASH - INTERIM DESIGN

THE UNNAMED WASH IN THE INTERIM (TWO PIT) DESIGN PASSES THROUGH THE PROPERTY FROM THE SOUTHERN BOUNDARY, EXITING ALONG THE NORTHERN BOUNDARY. THE CHANNEL SECTION WILL REMAIN AS-IS WITHIN THE EXCEPTION AREA AS PRESCRIBED WITHIN THE ALTA FOR THE SITE. BOTH PITS, SEPARATED BY THIS EXISTING CHANNEL CONDITION, WILL BE DEVELOPED CONSIDERING THE PENDING AFFECTING EGL, WITH A LAUNCHABLE RIPRAP TRENCH SECTION AT THE OUTLET AREA AND RIPRAP EROSION PROTECTION FOR THE INTERIOR BERM SLOPES FACING THE UNNAMED WASH.

THE TIMING OF THE BERM INFRASTRUCTURE WILL BE CONSTRUCTED COINCIDING WITH THE DEVELOPMENT OF THE PIT CONSTRUCTION SEQUENCING DISCUSSED ABOVE, ANTICIPATING THAT THE PITS WILL NOT BE DEVELOPED CONCURRENTLY. WHEN THE EAST PIT IS DEVELOPED, THE BERM SURROUNDING THE EAST PIT WILL BE CONSTRUCTED TO PREVENT PIT CAPTURE OF THE UNNAMED WASH.

BEFORE THE WEST PIT IS FULLY DEVELOPED, A SIMILAR BERM WILL BE CONSTRUCTED COINCIDING WITH THE DEVELOPMENT OF THE PIT CONSTRUCTION SEQUENCING DISCUSSED ABOVE. THE CONSTRUCTION WILL INCLUDE THE BERM AT THE WESTERN EDGE OF THE UNNAMED WASH AND THE PREVIOUSLY INSTALLED LAUNCHABLE RIPRAP TRENCH ACROSS THE OUTLET. WHEN THE WEST PIT IS FULLY DEVELOPED, THE UNNAMED WASH WILL BE FULLY PROTECTED FROM FLOWS TO THE SOUTH, FLOWS FROM THE GILA RIVER, OR A COMBINATION, THEREOF.

UNNAMED WASH - ULTIMATE ONE PIT DESIGN

GIVEN THE DYNAMIC HYDRAULIC CONDITIONS OF BOTH THE UNNAMED WASH AND THE GILA RIVER IN CONTEXT OF THE ULTIMATE DESIGN, THE SOUTH INLET FOR THE UNNAMED WASH HAS BEEN DESIGNED FOLLOWING THE FCDMC PARAMETERS FOR A RIPRAP INLET SOLUTION. THE NORTH OUTLET HAS POTENTIAL HYDRAULIC CONDITIONS OF BOTH AN OUTLET, BASED ON FLOWS FROM THE UNNAMED WASH, AND ALSO AN INLET FROM FLOWS FROM THE RISING GILA RIVER. SCARIFICATION, OVERBURDEN STRIPPING, AND THE EXCAVATION OF ANY SAND AND GRAVEL RESOURCES, INCIDENTAL TO THE CONSTRUCTION OF THESE CONTROLLED INLET STRUCTURE AND ASSOCIATED SLOPE ARMOURING, IS EXPRESSLY ALLOWED.

THE CONSTRUCTION OF THE ULTIMATE DESIGN FOLLOWING THE START, OR COMPLETION, OF THE INTERIM DESIGN WILL BE UNDERTAKEN BY PRESERVING THE SUB-GRADE RIPRAP TRENCH PREVIOUSLY PLACED ALONG THE UNNAMED WASH OUTLET AREA WITHIN THE EXCEPTION AREA, THEN MINIMAL BREACHING OF ANY PARALLEL BERMS TO ALLOW FOR THE CONSTRUCTION OF THE INLET AND OUTLET PROTECTIONS. MINING IN THE NORTHERN INLET AREA WILL PROCEED FOLLOWING THE PLACEMENT OF ANY HORIZONTAL ARMOURING ELEMENTS. EXCAVATION WILL THEN PROCEED TO EXPOSE THE NORTHERN PIT SLOPE AT THE INLET AND PROVIDE SUFFICIENT AREA FOR THE PLACEMENT OF THE INLET PROTECTIONS SUCH AS THE INLET APRON TO A MINIMUM DEPTH OF 5 FEET BELOW THE PRESENT WATER TABLE.

CONSTRUCTION OF THE SOUTHERN INLET WILL PROCEED IN A SIMILAR FASHION AS THE NORTHERN INLET, AND WILL OCCUR FOLLOWING THE PLACEMENT OF ANY HORIZONTAL ARMOURING ELEMENTS. EXCAVATION WILL THEN PROCEED IMMEDIATELY AFTER MINING HAS ESTABLISHED THE SOUTHERN PIT SLOP AT THE OUTLET/INLET AREA. HOWEVER, MINING IN THE AREA OF THE SOUTHERN INLET WILL NOT PROCEED VERTICALLY BEYOND AN APPROXIMATE DEPTH OF 790 FEET AMSL UNTIL THE INLET STRUCTURE IS COMPLETED. ONCE THE ARMOURED INLETS ARE CONSTRUCTED, AZ MATERIALS CAN EXTEND THE EXCAVATION IN THE INLET AREAS TO THE FINAL PIT DEPTH ARE APPROXIMATELY 705 FEET AMSL.

IF MINING CEASES PRIOR TO REACHING THE MAXIMUM PERMITTED NORTHERN OR SOUTHERN PIT BOUNDARY, THEN THE INLET STRUCTURES AND RIPRAP SLOPING HAS TO BE ESTABLISHED AT THAT POINT WITH THE EXISTING BERM CHANNEL MAINTAINING FLOW ALONG THE REMAINING REACH OF THE UNNAMED WASH. IN THIS CASE, AN ALTERNATIVE DESIGN MAY NEED TO BE APPROVED BY THE DISTRICT.

LAUNCHABLE RIPRAP TRENCH AND BERM PROTECTION - ULTIMATE ONE PIT DESIGN

CONSTRUCTION OF THE ULTIMATE DESIGN MAY BE ACCOMPLISHED IN A SINGLE EFFORT, OR MODIFIED, FROM THE TWO PIT DESIGN. PRIOR TO THE EXCAVATION OF THE PIT, THE NECESSARY LAUNCHABLE RIPRAP TRENCH WILL BE CONSTRUCTED AROUND THE WHOLE OF THE PIT LIMITS. THE SPECIFICS OF THE VARIOUSLY NEEDED RIPRAP SIZING AND LAUNCHABLE WIDTH AND DEPTH HAVE BEEN DETERMINED ALONG THE PERIMETER OF THE PIT, AND ARE SPECIFIED IN THE POO. THE LAUNCHABLE RIPRAP TRENCH MUST BE INSTALLED LVEL WITH THE EXISTING GROUND SURFACE, TO WHICH HAUL ROADS CAN BE SUBSEQUENTLY CONSTRUCTED OVER THE COMPLETED TRENCHES WHERE NECESSARY. SCARIFICATION, OVERBURDEN STRIPPING, SLOPE OR PIT MITIGATION, AND THE EXCAVATION OF ANY SAND AND GRAVEL RESOURCES, INCIDENTAL TO THE CONSTRUCTION OF THIS CONTROLLED INLET STRUCTURE, BERMS, LAUNCHABLE TRENCH, AND ASSOCIATED SLOPE ARMOURING, IS EXPRESSLY ALLOWED.

WITH THE EXCEPTION OF ANY SUB-GRADE LAUNCHABLE RIPRAP PLACEMENT IN THE AREAS OF THE INLET AND OUTLET STRUCTURES, THE ACTUAL INLET/OUTLET FEATURES WILL ONLY BE CONSTRUCTED IF THE EASEMENT IS EXTINGUISHED, AND ONCE MINING HAS ESTABLISHED A FINAL PIT SLOPE (TO A DEPTH OF APPROXIMATELY 790 FEET AMSL) ON THE NORTHERN AND SOUTHERN FACES. ONCE ESTABLISHED, AZ MATERIALS HAS NOT MORE THAN 5 MONTHS TO CONSTRUCT THE APPROPRIATE PIT SLOPE ARMOURING IN ACCORDANCE WITH THE APPROVED POO. IF MINING CEASES WITHIN 500 FEET OF THE FINAL PIT SLOPE, THEN THE ARMOURED PIT FACE MUST BE CONSTRUCTED IN THAT LOCATION AND TIED INTO THE EXISTING PERIMETER BERM (USING A DESIGN APPROVED BY FCDMC) AND LAUNCHABLE RIPRAP TRENCH SYSTEM. THE ARMOURED PIT FACE IN THE AREA OF THE INLETS WILL EXTEND NO LESS THAN 5 FEET BELOW EXISTING WATER TABLE ELEVATION. ONCE THE ARMOURED INLETS ARE CONSTRUCTED, AZ MATERIALS CAN EXTEND THE EXCAVATION IN THE INLET AREAS TO THE FINAL PIT DEPTH OF APPROXIMATELY 705 FEET AMSL.

AZ MATERIALS CAN REMOVE UP TO 25 FEET OF OVERBURDEN MATERIALS WITHIN THE INTERIOR OF THE ULTIMATE PIT PROVIDED THAT THE LAUNCHABLE RIPRAP TRENCH IS FULLY INSTALLED, EXCAVATION ACTIVITIES ARE NO CLOSER THAN 500 FEET FROM THE PERIMETER OF THE PROPERTY, AND PIT SLOPES ARE NO STEEPER THAN 5H:1V. THIS WILL PROVIDE MATERIALS FOR BERM CONSTRUCTION AND POSE NO OFFSITE EROSIONAL HAZARDS IF SUBJECTED TO OCCASIONAL INUNDATION.

PRIOR TO EXCAVATING DEEP THAN 25 FEET BELOW SURFACE GRADE, OR CLOSER THAN 500 FEET TO THE PROPERTY BOUNDARY, AZ MATERIALS WILL BEGIN CONSTRUCTION OF THE ARMOURED BERM. THE BERM WILL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE.

EXCAVATION ACTIVITIES WILL BEGIN IN THE NORTHEAST CORNER OF THE ULTIMATE PIT AND GRADUALLY PROGRESS SOUTH AND WESTWARD. BEFORE THE PIT IS DEEPENED BELOW 25 FEET OR ADVANCED CLOSER THAN 500 FEET FROM THE PROPERTY BOUNDARY, BERM CONSTRUCTION WILL BEGIN IN THE NORTHEAST CORNER OF THE PIT AND PROGRESS WESTWARD ALONG THE NORTH PIT EDGE AND SOUTHWARD ALONG THE EAST PIT EDGE.

INITIAL BERM CONSTRUCTION WILL INCLUDE A MINIMUM OF 750 FEET OF NORTH TO SOUTH BERM ALONG THE EAST PIT BOUNDARY AND 750 FEET OF EAST TO WEST BERM ALONG THE NORTH PIT BOUNDARY. ADDITIONAL BERM CONSTRUCTION WILL OCCUR AT THE SAME RATE AS MINING PROGRESSES TO THE SOUTH AND WEST SUCH THAT NO LESS THAN 500 FEET OF BERM EXTENDS BEYOND THE EASTERN- AND SOUTHERN-MOST EXTENT OF MINING. ONCE MINING PROGRESSES WITHIN 500 FEET OF THE SOUTH PIT BOUNDARY, THE SOUTHERN BERM MUST BE CONSTRUCTED AND EXTEND NO LESS THAN 500 FEET WEST OF THE FURTHEST WESTERN EXTENT OF MINING AND BE GENERALLY CONSTRUCTED IN PARALLEL WITH THE NORTHERN BERM.

ONCE FINAL PIT SLOPES ARE ESTABLISHED AT THE UNNAMED WASH INLET/OUTLET LOCATIONS, AZ MATERIALS MUST PROCEED WITH THE INLET/OUTLET CONSTRUCTION SEQUENCE REFERENCED ABOVE. ONCE FINAL PIT SLOPES ARE ESTABLISHED, AZ MATERIALS HAS NO MORE THAN 5 MONTHS TO CONSTRUCT THE APPROPRIATE PIT SLOPE ARMOURING IN ACCORDANCE WITH THE APPROVED POO. ONCE THE ARMOURED INLETS ARE FULLY CONSTRUCTED, AZ MATERIALS CAN EXTEND THE EXCAVATION IN THE INLET AREAS TO THE FINAL PIT DEPTH OF APPROXIMATELY 705 FEET AMSL.

HALEY ALDRICH

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Project No.:	0201709
Scale:	AS SHOWN
Date:	FEBRUARY 2023
Drawn By:	H&A
Designed By:	H&A
Checked By:	H&A
Approved By:	H&A

Stamp:

Rev.	Description	By	Date
S4	FOR SUBMITTAL	CGL	02/16/23
S3	FOR SUBMITTAL	CGL	11/23/22
S2	FOR SUBMITTAL	CGL	06/30/22
S1	FOR SUBMITTAL	CGL	10/20/21

PLAN OF OPERATIONS
ARIZONA MATERIALS
ROOKS ROAD PLANT

PROPOSED PLAN OF OPERATIONS - CONSTRUCTION SEQUENCING

C-103

Sheet: 5 of 17

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Appendix F
Existing Conditions Map

LEGEND

- PROPERTY BOUNDARY
- PIT BOUNDARY
- FEMA PENDING FLOODPLAIN
- FEMA PENDING FLOOWAY

NOTES

1. THE APPROXIMATE LOCATION OF EXISTING STRUCTURES, EQUIPMENT MATERIAL STORAGE AREAS AND MATERIAL PROCESSING AREAS.
2. PARCEL EXTENTS PROVIDED BY MARICOPA COUNTY ASSESSOR'S OFFICE PARCEL VIEWER.
3. THE FLOODPLAIN SHOWN ON THE FIGURE IS CLASSIFIED AS 'AE' UNDER FEMA CLASSIFICATIONS AS SHOWN ON FEMA FIRM 04013C2580L.

0 200 400 600 800
SCALE IN FEET

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S1	FOR SUBMITTAL	CGL	10/20/21

PLAN OF OPERATIONS
ARIZONA MATERIALS
ROOKS ROAD PLANT

EXISTING
CONDITIONS MAP

C-100

Sheet: 2 of 17

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Appendix G
Reclamation Costs Spreadsheet

Quantity	Line Number	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Ext. Mat.	Ext. Labor	Ext. Equip.	Ext. Total	Mat. O&P	Labor O&P	Equip. O&P	Total O&P	Ext. Mat. O&P	Ext. Labor O&P	Ext. Equip. O&P	Ext. Total O&P	Labor Type	Data Release	CCI Location
Buckeye Pit Site Reclamation > Phase 1 > Process AreaStockpileParkingScalePlants																									
436.00	329113232620	Soil preparation, structural soil mixing, rough grade & scarify subsoil to receive topsoil, common earth, 180 HP grader with scarifier	B11L	110	0.145	M.S.F.	$0.00	$5.39	$9.76	$15.15	$0.00	$2,350.04	$4,255.36	$6,605.40	$0.00	$8.78	$10.75	$19.53	$0.00	$3,828.08	$4,687.00	$8,515.08	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
436.00	329113232700	Soil preparation, structural soil mixing, rough grade & scarify subsoil to receive topsoil, clay and till, 200 HP dozer with scarifier	B11A	50	0.32	M.S.F.	$0.00	$11.88	$27.12	$39.00	$0.00	$5,179.68	$11,824.32	$17,004.00	$0.00	$19.56	$30.07	$49.63	$0.00	$8,528.16	$13,110.52	$21,638.68	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
2.00	015436501600	Mobilization or demobilization, delivery charge for equipment, hauled on 50-ton capacity towed trailer	B34V	1	24	Ea.	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$1,510.86	$2,366.40	$3,877.26	$0.00	$1,234.48	$1,306.45	$2,540.93	$0.00	$2,468.96	$2,612.90	$5,081.86	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Process AreaStockpileParkingScalePlants Subtotal										**$1,992.78**	**$0.00**	**$9,040.58**	**$18,446.08**	**$27,486.66**				**$2,610.09**	**$0.00**	**$14,825.20**	**$20,410.42**	**$35,235.62**			
Buckeye Pit Site Reclamation > Phase 1 > Concrete Pads																									
18.50	024113175500	Demolish, remove pavement & curb, concrete, rod reinforced, 7" to 24" thick, remove with backhoe, excludes hauling	B38	24	1	C.Y.	$0.00	$35.03	$54.72	$89.75	$0.00	$648.06	$1,012.32	$1,660.38	$0.00	$57.41	$60.15	$117.56	$0.00	$1,062.09	$1,112.78	$2,174.86	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
18.50	312323201106	Cycle hauling (wait, load, travel, unload or dump & return) time per cycle, excavated or borrow, loose cubic yards, 15 min load/wait/unload, 12 C.Y. truck, cycle 10 miles, 50 MPH, excludes loading equipment	B34B	216	0.037	L.C.Y.	$0.00	$1.41	$3.61	$5.02	$0.00	$26.09	$66.79	$92.87	$0.00	$2.30	$3.97	$6.27	$0.00	$42.55	$73.45	$116.00	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
2.00	015436501600	Mobilization or demobilization, delivery charge for equipment, hauled on 50-ton capacity towed trailer	B34V	1	24	Ea.	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$1,510.86	$2,366.40	$3,877.26	$0.00	$1,234.48	$1,306.45	$2,540.93	$0.00	$2,468.96	$2,612.90	$5,081.86	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Concrete Pads Subtotal										**$2,033.40**	**$0.00**	**$2,185.01**	**$3,445.51**	**$5,630.51**				**$2,664.76**	**$0.00**	**$3,573.60**	**$3,799.13**	**$7,372.72**			
Buckeye Pit Site Reclamation > Phase 1 > Fence Installation																									
7800.00	323113402100	Fence, fabric & accessories, rail, middle/bottom, galvanized barbed wire, 1-5/8" diameter, with tie wire	B80A	912	0.026	L.F.	$5.95	$0.81	$0.42	$7.18	$46,410.00	$6,318.00	$3,276.00	$56,004.00	$6.58	$1.32	$0.46	$8.36	$51,324.00	$10,296.00	$3,588.00	$65,208.00	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Fence Installation Subtotal										**$7.18**	**$46,410.00**	**$6,318.00**	**$3,276.00**	**$56,004.00**				**$8.36**	**$51,324.00**	**$10,296.00**	**$3,588.00**	**$65,208.00**			
Buckeye Pit Site Reclamation > Phase 1 > Hard Power																									
750.00	260505101571	Transformer, dry type, primary, 3 phase, to 600 V, 750 kVA, electrical demolition, remove, including removal of supports, wire & conduit terminations	R3	700	0.029	kVA	$0.00	$0.89	$0.28	$1.17	$0.00	$667.50	$210.00	$877.50	$0.00	$1.45	$0.30	$1.75	$0.00	$1,087.50	$225.00	$1,312.50	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Hard Power Subtotal										***$1.17***	***$0.00***	***$667.50***	***$210.00***	***$877.50***				***$1.75***	***$0.00***	***$1,087.50***	***$225.00***	***$1,312.50***			
Buckeye Pit Site Reclamation > Phase 1 > Well Closure																									
0.63	024113760100	Selective demolition, water wells, casing & gravel pack, 40' deep, 24" to 36" diam.	B23	0.25	160	Ea.	$0.00	$5,205.55	$4,930.00	$10,135.55	$0.00	$3,279.50	$3,105.90	$6,385.40	$0.00	$8,489.43	$5,423.00	$13,912.43	$0.00	$5,348.34	$3,416.49	$8,764.83	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
50.00	329113232700	Soil preparation, structural soil mixing, rough grade & scarify subsoil to receive topsoil, clay and till, 200 HP dozer with scarifier	B11A	50	0.32	M.S.F.	$0.00	$11.88	$27.12	$39.00	$0.00	$594.00	$1,356.00	$1,950.00	$0.00	$19.56	$30.07	$49.63	$0.00	$978.00	$1,503.50	$2,481.50	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
2.00	015436501600	Mobilization or demobilization, delivery charge for equipment, hauled on 50-ton capacity towed trailer	B34V	1	24	Ea.	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$1,510.86	$2,366.40	$3,877.26	$0.00	$1,234.48	$1,306.45	$2,540.93	$0.00	$2,468.96	$2,612.90	$5,081.86	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Well Closure Subtotal										***$12,113.18***	***$0.00***	***$5,384.36***	***$6,828.30***	***$12,212.66***				***$16,502.99***	***$0.00***	***$8,795.30***	***$7,532.89***	***$16,328.19***			

Buckeye Pit Site Reclamation > Phase 1 > Scrap, Trash Removal																								
15.00	024119200100	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only		0	0	Ton	$74.00	$0.00	$0.00	$74.00	$1,110.00	$0.00	$0.00	$1,110.00	$81.00	$0.00	$0.00	$81.00	$1,215.00	$0.00	$0.00	$1,215.00	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Scrap, Trash Removal Subtotal										*$74.00*	*$1,110.00*	*$0.00*	*$0.00*	*$1,110.00*				*$81.00*	*$1,215.00*	*$0.00*	*$0.00*	*$1,215.00*			
Buckeye Pit Site Reclamation > Phase 1 > Stockpile Regrade																								
5000.00	312323202300	Hauling, grading at dump, or embankment if required, by dozer	B10B	1000	0.008	L.C.Y.	$0.00	$0.35	$1.36	$1.71	$0.00	$1,750.00	$6,800.00	$8,550.00	$0.00	$0.57	$1.50	$2.07	$0.00	$2,850.00	$7,500.00	$10,350.00	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
2.00	015436501600	Mobilization or demobilization, delivery charge for equipment, hauled on 50-ton capacity towed trailer	B34V	1	24	Ea.	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$1,510.86	$2,366.40	$3,877.26	$0.00	$1,234.48	$1,306.45	$2,540.93	$0.00	$2,468.96	$2,612.90	$5,081.86	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Stockpile Regrade Subtotal										***$1,940.34***	***$0.00***	***$3,260.86***	***$9,166.40***	***$12,427.26***				***$2,543.00***	***$0.00***	***$5,318.96***	***$10,112.90***	***$15,431.86***			
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Ready Mix Plant																								
1.00	015436501600	Mobilization or demobilization, delivery charge for equipment, hauled on 50-ton capacity towed trailer	B34V	1	24	Ea.	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$1,234.48	$1,306.45	$2,540.93	$0.00	$1,234.48	$1,306.45	$2,540.93	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Ready Mix Plant Subtotal										**$1,938.63**	**$0.00**	**$755.43**	**$1,183.20**	**$1,938.63**				**$2,540.93**	**$0.00**	**$1,234.48**	**$1,306.45**	**$2,540.93**			
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Scale House																								
1200.00	312316425150	Excavating, bulk bank measure, sandy clay/loam, open site, 1-1/2 C.Y. capacity = 150 C.Y./hour, excavator, hydraulic, crawler mounted, excluding truck loading	B12B	1200	0.013	B.C.Y.	$0.00	$0.52	$0.98	$1.50	$0.00	$624.00	$1,176.00	$1,800.00	$0.00	$0.84	$1.07	$1.91	$0.00	$1,008.00	$1,284.00	$2,292.00	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
1.00	015436501400	Mobilization or demobilization, delivery charge for equipment, hauled on 20-ton capacity towed trailer	B34U	2	8	Ea.	$0.00	$239.53	$241.57	$481.10	$0.00	$239.53	$241.57	$481.10	$0.00	$390.61	$266.22	$656.83	$0.00	$390.61	$266.22	$656.83	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Scale House Subtotal										**$482.60**	**$0.00**	**$863.53**	**$1,417.67**	**$2,281.10**				**$658.74**	**$0.00**	**$1,398.61**	**$1,550.22**	**$2,948.83**			
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Office																								
2.00	015436501600	Mobilization or demobilization, delivery charge for equipment, hauled on 50-ton capacity towed trailer	B34V	1	24	Ea.	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$1,510.86	$2,366.40	$3,877.26	$0.00	$1,234.48	$1,306.45	$2,540.93	$0.00	$2,468.96	$2,612.90	$5,081.86	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
1.00	015419500400	Crane crew, daily use for small jobs, 55-ton truck-mounted hydraulic crane, portal to portal	A3K	1	16	Day	$0.00	$504.85	$2,588.25	$3,093.10	$0.00	$504.85	$2,588.25	$3,093.10	$0.00	$829.13	$2,847.08	$3,676.21	$0.00	$829.13	$2,847.08	$3,676.21	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Office Subtotal										***$5,031.73***	***$0.00***	***$2,015.71***	***$4,954.65***	***$6,970.36***				***$6,217.14***	***$0.00***	***$3,298.09***	***$5,459.98***	***$8,758.07***			
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Crusher and Wash Plant > Wash Plant																								
1.00	015436501600	Mobilization or demobilization, delivery charge for equipment, hauled on 50-ton capacity towed trailer	B34V	1	24	Ea.	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$1,234.48	$1,306.45	$2,540.93	$0.00	$1,234.48	$1,306.45	$2,540.93	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Crusher and Wash Plant > Wash Plant Subtotal										***$1,938.63***	***$0.00***	***$755.43***	***$1,183.20***	***$1,938.63***				***$2,540.93***	***$0.00***	***$1,234.48***	***$1,306.45***	***$2,540.93***			
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal >																								

Crusher and Wash Plant > Crusher																								
1.00	015436501600	Mobilization or demobilization, delivery charge for equipment, hauled on 50-ton capacity towed trailer	B34V	1	24	Ea.	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$755.43	$1,183.20	$1,938.63	$0.00	$1,234.48	$1,306.45	$2,540.93	$0.00	$1,234.48	$1,306.45	$2,540.93	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Crusher and Wash Plant > Crusher Subtotal										***$1,938.63***	***$0.00***	***$755.43***	***$1,183.20***	***$1,938.63***				***$2,540.93***	***$0.00***	***$1,234.48***	***$1,306.45***	***$2,540.93***			
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Crusher and Wash Plant > Conveyors																								
13.00	015436501400	Mobilization or demobilization, delivery charge for equipment, hauled on 20-ton capacity towed trailer	B34U	2	8	Ea.	$0.00	$239.53	$241.57	$481.10	$0.00	$3,113.89	$3,140.41	$6,254.30	$0.00	$390.61	$266.22	$656.83	$0.00	$5,077.93	$3,460.86	$8,538.79	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Crusher and Wash Plant > Conveyors Subtotal										***$481.10***	***$0.00***	***$3,113.89***	***$3,140.41***	***$6,254.30***				***$656.83***	***$0.00***	***$5,077.93***	***$3,460.86***	***$8,538.79***			
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Tanks > Small Tanks																								
600.00	312316425150	Excavating, bulk bank measure, sandy clay/loam, open site, 1-1/2 C.Y. capacity = 150 C.Y./hour, excavator, hydraulic, crawler mounted, excluding truck loading	B12B	1200	0.013	B.C.Y.	$0.00	$0.52	$0.98	$1.50	$0.00	$312.00	$588.00	$900.00	$0.00	$0.84	$1.07	$1.91	$0.00	$504.00	$642.00	$1,146.00	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
1.00	015436501400	Mobilization or demobilization, delivery charge for equipment, hauled on 20-ton capacity towed trailer	B34U	2	8	Ea.	$0.00	$239.53	$241.57	$481.10	$0.00	$239.53	$241.57	$481.10	$0.00	$390.61	$266.22	$656.83	$0.00	$390.61	$266.22	$656.83	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Tanks > Small Tanks Subtotal										**$482.60**	**$0.00**	**$551.53**	**$829.57**	**$1,381.10**				**$658.74**	**$0.00**	**$894.61**	**$908.22**	**$1,802.83**			
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Tanks > Large Tanks																								
600.00	312316425150	Excavating, bulk bank measure, sandy clay/loam, open site, 1-1/2 C.Y. capacity = 150 C.Y./hour, excavator, hydraulic, crawler mounted, excluding truck loading	B12B	1200	0.013	B.C.Y.	$0.00	$0.52	$0.98	$1.50	$0.00	$312.00	$588.00	$900.00	$0.00	$0.84	$1.07	$1.91	$0.00	$504.00	$642.00	$1,146.00	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
2.00	015436501400	Mobilization or demobilization, delivery charge for equipment, hauled on 20-ton capacity towed trailer	B34U	2	8	Ea.	$0.00	$239.53	$241.57	$481.10	$0.00	$479.06	$483.14	$962.20	$0.00	$390.61	$266.22	$656.83	$0.00	$781.22	$532.44	$1,313.66	OPN	Year 2023	ARIZONA / PHOENIX (850,853)
Buckeye Pit Site Reclamation > Phase 1 > Plant Removal > Tanks > Large Tanks Subtotal										**$482.60**	**$0.00**	**$791.06**	**$1,071.14**	**$1,862.20**				**$658.74**	**$0.00**	**$1,285.22**	**$1,174.44**	**$2,459.66**			
Grand Total										**$30,938.57**	**$47,620.00**	**$36,458.32**	**$56,336.23**	**$140,313.54**				**$40,884.93**	**$52,539.00**	**$59,554.46**	**$62,141.41**	**$174,234.86**			