PROJECT LOCATION COLORADO COLORADO

SONORA MEXICO

LOCATION MAP

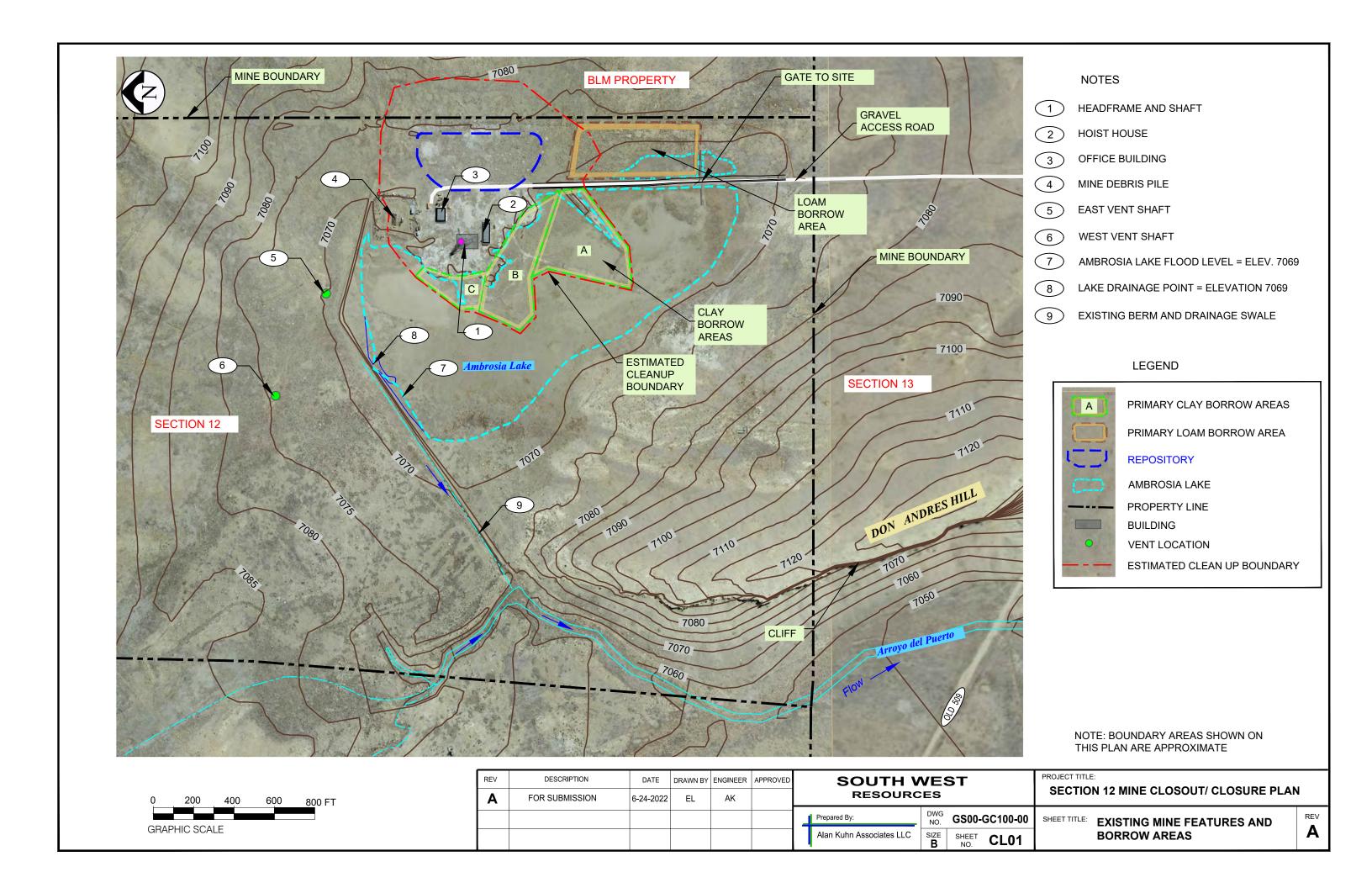


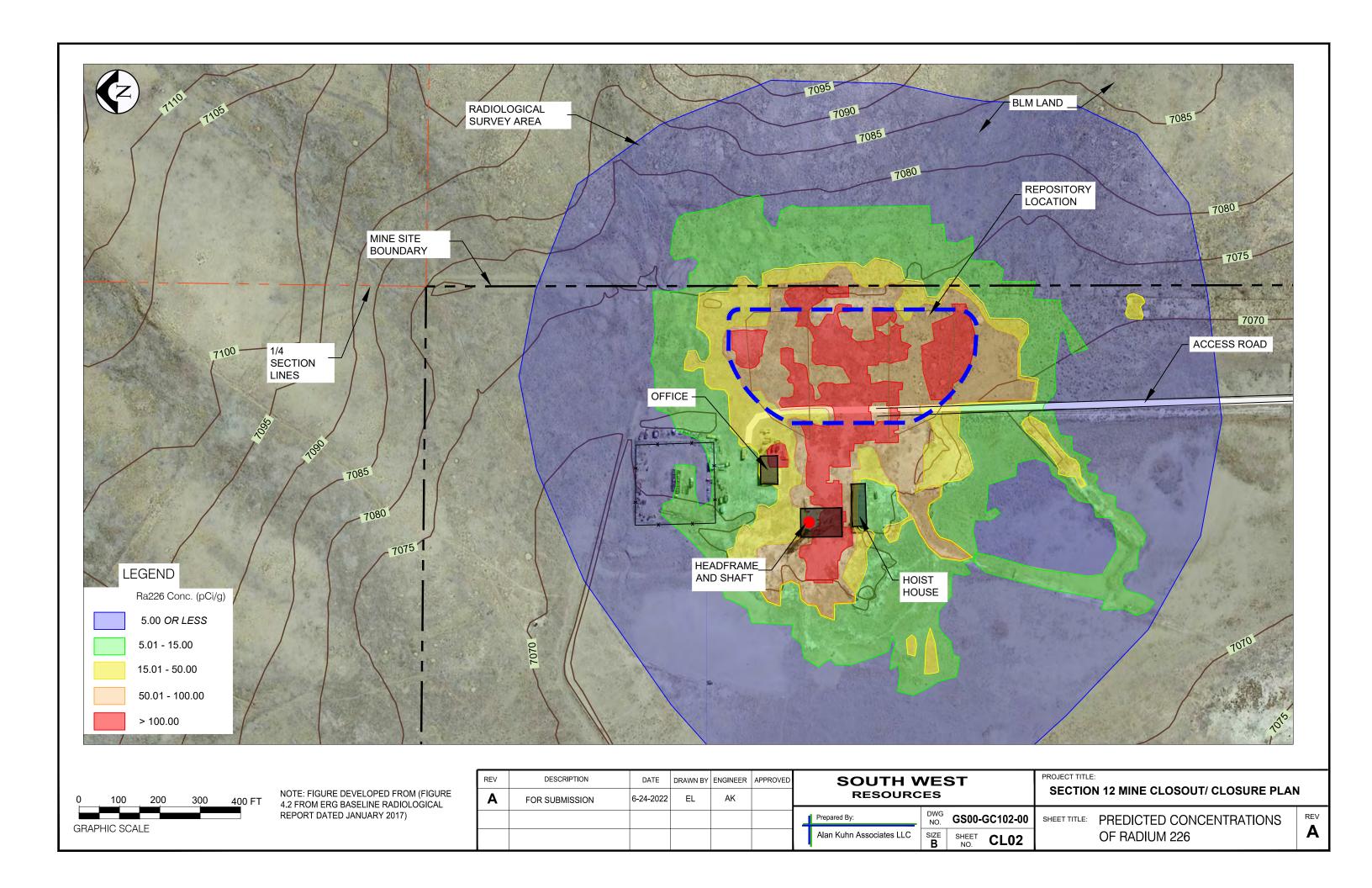
DRAWING INDEX

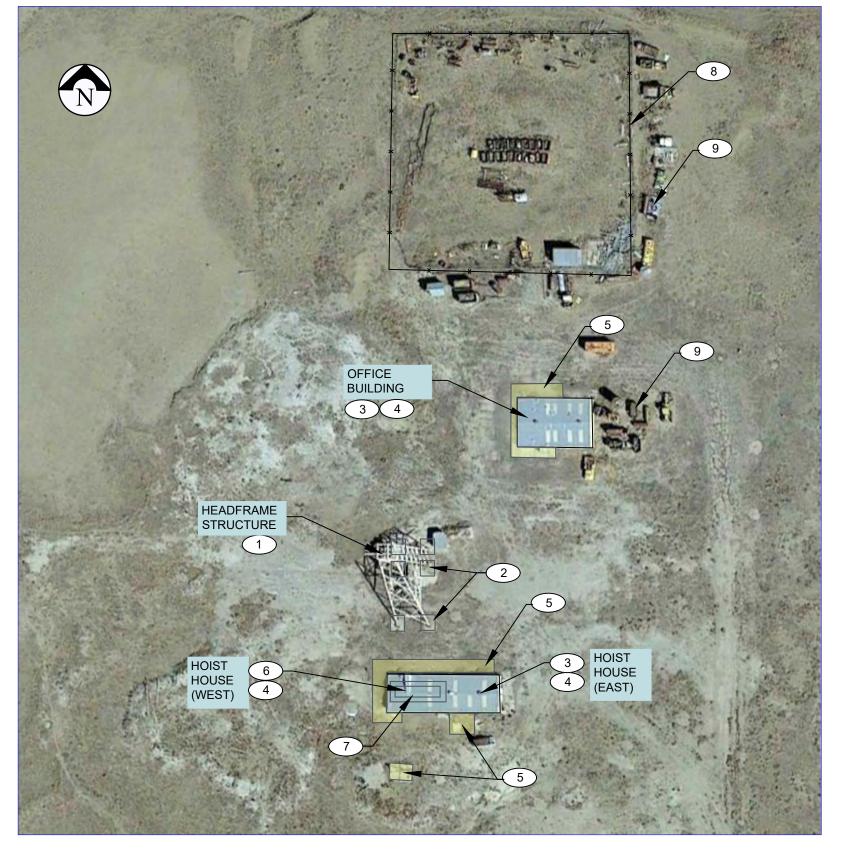
SHEET NO.	DWG NO.	SHEET TITLE
CL00	GS00-GC100-00	COVER SHEET - DRAWING INDEX
CL01	GS00-GC101-00	EXISTING MINE FEATURES AND BORROW AREAS
CL02	GS00-GC102-00	PREDICTED CONCENTRATIONS OF RADIUM 226
CL03	GS00-GC103-00	FACILITY DISPOSITION PLAN
CL04	GS00-GC104-00	REMEDIAL EARTHWORK AND REPOSITORY PLAN
CL05	GS00-GC105-00	GRADING PLAN
CL06	GS00-GC106-00	REPOSITORY PLAN
CL07	GS00-GC107-00	REPOSITORY N/S SECTION
CL08	GS00-GC108-00	REPOSITORY E/W SECTIONS

BACKGROUND MAP FROM GOOGLE MAPS

REV	DESCRIPTION FOR SUBMISSION	DATE 6-24-22	DRAWN BY	ENGINEER	APPROVED	SOUTH WEST RESOURCES	PROJECT TITLE: SECTION 12 MINE CLOSOUT/ CLOSURE PLAN		
A	FOR SUBMISSION	6-24-22	EL	AK		Prepared By: Alan Kuhn Associates LLC SIZE B SHEET NO. CL00	SHEET TITLE: COVER SHEET - DRAWING INDEX		







TASKS

HEADFRAME STRUCTURE

- HEADFRAME TO BE REMOVED. HEADFRAME STEEL TO BE BURIED IN THE DEBRIS PIT OR CLEANED AND SOLD OFF-SITE BY THE CONTRACTOR.
- CONTAMINATED HEADFRAME CONCRETE TO BE BROKEN AND DISPOSED OF IN THE DEBRIS PIT. CLEAN HEADFRAME CONCRETE MAY BE BROKEN IN PLACE AND COVERED WITH 2.0 FEET OF CLEAN LOAM SOIL.

OFFICE BUILDING (64' X 42')

- THE OFFICE BUILDING STRUCTURE, CONCRETE SLABS, AND FOUNDATIONS MAY BE LEFT IN PLACE IF REQUESTED BY THE POST-MINING LAND OWNER. OTHERWISE, THE STRUCTURE WILL BE REMOVED AND SOLD OR DEMOLISHED AND BURIED IN THE DEBRIS PIT.
- 4 CONCRETE FLOOR SLAB.
- (5) EXTERIOR CONCRETE SLABS. (1,035 SF)

HOIST HOUSE (95' X 32')

- THE EAST HALF OF THE HOIST HOUSE MAY BE RETAINED IF REQUESTED BY THE POST MINING LAND OWNER.
- (4) CONCRETE FLOOR SLAB.
- 5 EXTERIOR CONCRETE SLABS. (2,310 SF)
- THE WEST HALF WILL BE REMOVED AND ALL STEEL AND DEBRIS SHALL BE BURIED IN THE DEBRIS PIT.
- 7 REMOVE HOIST EQUIPMENT CONCRETE FOUNDATIONS. DISPOSE OF ANY EQUIPMENT NOT SALVAGEABLE IN THE DEBRIS PIT.

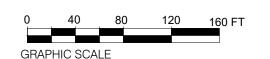
GENERAL SITE

- 8 REMOVE FENCING IN MINE AREA (800 LF).
- (9) REMOVE ANY MINE DEBRIS AND DEPOSIT IN DEBRIS PIT.

NOTES

EXISTING CONCRETE THAT IS NOT CONTAMINATED MAY BE BROKEN AND USED FOR RIP RAP.

ALL CONTAMINATED CONCRETE TO BE REMOVED, BROKEN, AND PLACED IN REPOSITORY.



REV	DESCRIPTION	DATE	DRAWN BY	ENGINEER	APPROVED	
Α	FOR SUBMISSION	6-24-2022	EL	AK		

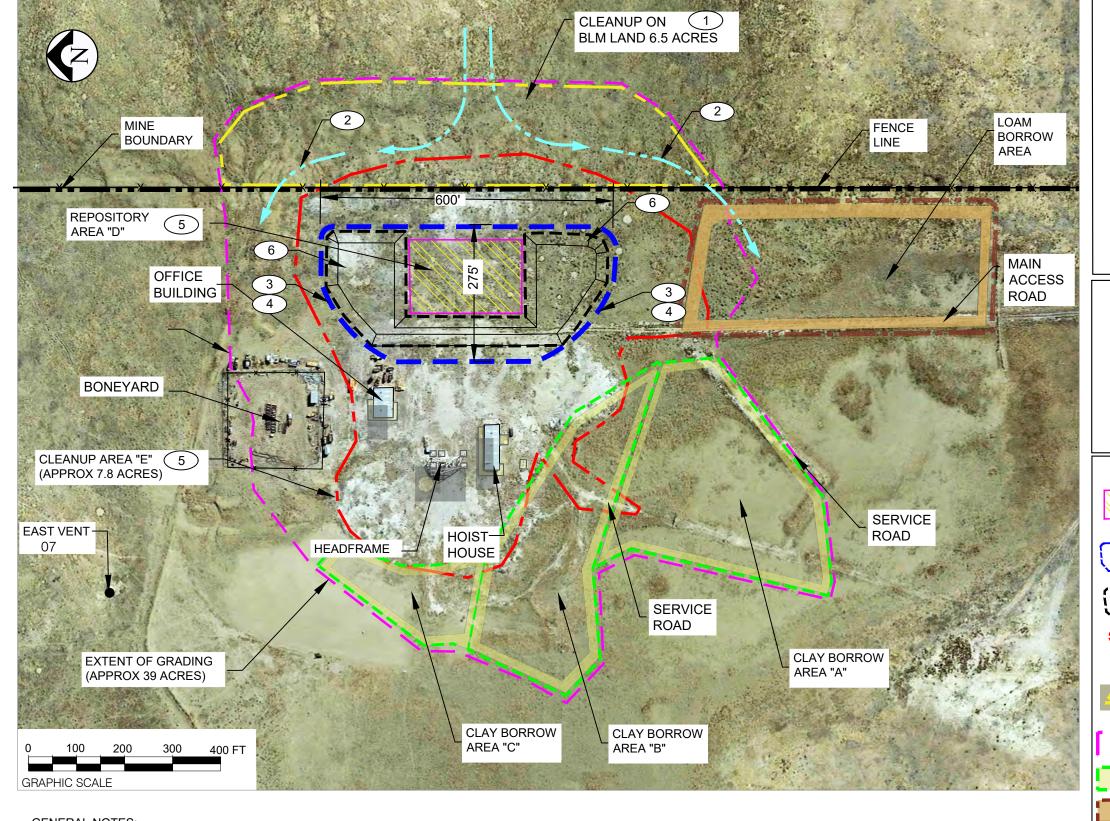
SOUTH WEST	
RESOURCES	

SECTION 12 MINE CLOSOUT/ CLOSURE PLAN

Α

Prepared By:	DWG NO.	GS00-	GC103-00
Alan Kuhn Associates LLC	SIZE B	SHEET NO.	CL03

FACILITY DESPOSITION PLAN



PHASE 1 GRADING PLAN - (DONE PRIOR TO CLEANUP EXCAVATIONS)

BLM LAND GRADING STEPS

- 1 REMOVE CONTAMINATED SOILS ON BLM LAND.
- RESTORE NATURAL RUNOFF FLOW PATTERNS AROUND REPOSITORY AREA.

INITIAL REPOSITORY GRADING STEPS

- REMOVE CONTAMINATED SOILS AROUND PERIMETER OF REPOSITORY.
- BUILD PERIMETER TOE OF SLOPE WITH CLEAN SOIL TO KEEP RUNOFF WATER OUT OF REPOSITORY AREA. APPROXIMATELY 3' ABOVE THE EXISTING GRADES.

PHASE 2 GRADING PLAN - (FIRST PART OF CLEANUP EXCAVATIONS)

- REMOVE THE CONTAMINATED SOILS IN AREA "E" AND PLACE IN REPOSITORY AREA "D".

 MAXIMUM HEIGHT = 6'
- 6 EXCAVATE 2 MINE DEBRIS PITS AND A MINE DEBRIS TRENCH. PLACE CONTAMINATED SOILS FROM EXCAVATION IN AREA "D". STOCKPILE CLEAN SOILS AROUND REPOSITORY PERIMETER FOR USE AS COVER SOILS.(SEE SHEET CL06 FOR PIT DIMENSIONS).

LEGEND



REPOSITORY AREA "D" FOR PHASE 1 CLEANUP (CONTAMINATED SOILS FROM AREA "E")



FOOTPRINT OF REPOSITORY AT MAXIMUM BUILDOUT WITH COVER SOILS IN PLACE.



MINE DEBRIS DISPOSAL PITS



CLEANUP AREA "E" (RAD READINGS ABOVE 50pCi/G) = 7.8 ACRES TO CLEAN OUTSIDE OF THE REPOSITORY.



CLEANUP IN BLM LAND. (6.5 ACRES)



ESTIMATED EXTENT OF GRADING (39 ACRES)



CLAY BORROW AREAS

LOAM BORROW AREAS

LOAM BONNOW ANLAC

GENERAL NOTES:

- G.1 THE EXTENT OF GRADING BOUNDARY AND THE BOUNDARY OF AREA "A" ARE BASED ON ERG REPORT SHEET CL02
- G.2 CONCRETE SLABS AND FOUNDATIONS WILL BE REMOVED TO POST-EXCAVATION SURFACE GRADE. CONCRETE BELOW THAT GRADE WILL BE LEFT IN PLACE AND COVERED WITH CLEAN SOIL.

REV	DESCRIPTION	DATE	DRAWN BY	ENGINEER	APPROVED	
A	FOR SUBMISSION	6-24-2022	EL	AK		
						4

SOUTH WEST RESOURCES

Alan Kuhn Associates LLC

DWG CS00 CC104

DWG NO. GS00-GC104-00
SIZE SHEET NO. CL04

JECT TITLE:

SHEET TITLE:

SECTION 12 MINE CLOSOUT/ CLOSURE PLAN

REMEDIAL EARTHWORK AND REPOSITORY PLAN



