LOCATION MAP

- PROJECT LOCATION

COLORADO

NEW MEXICO

ARIZONA

SONORA MEXICO

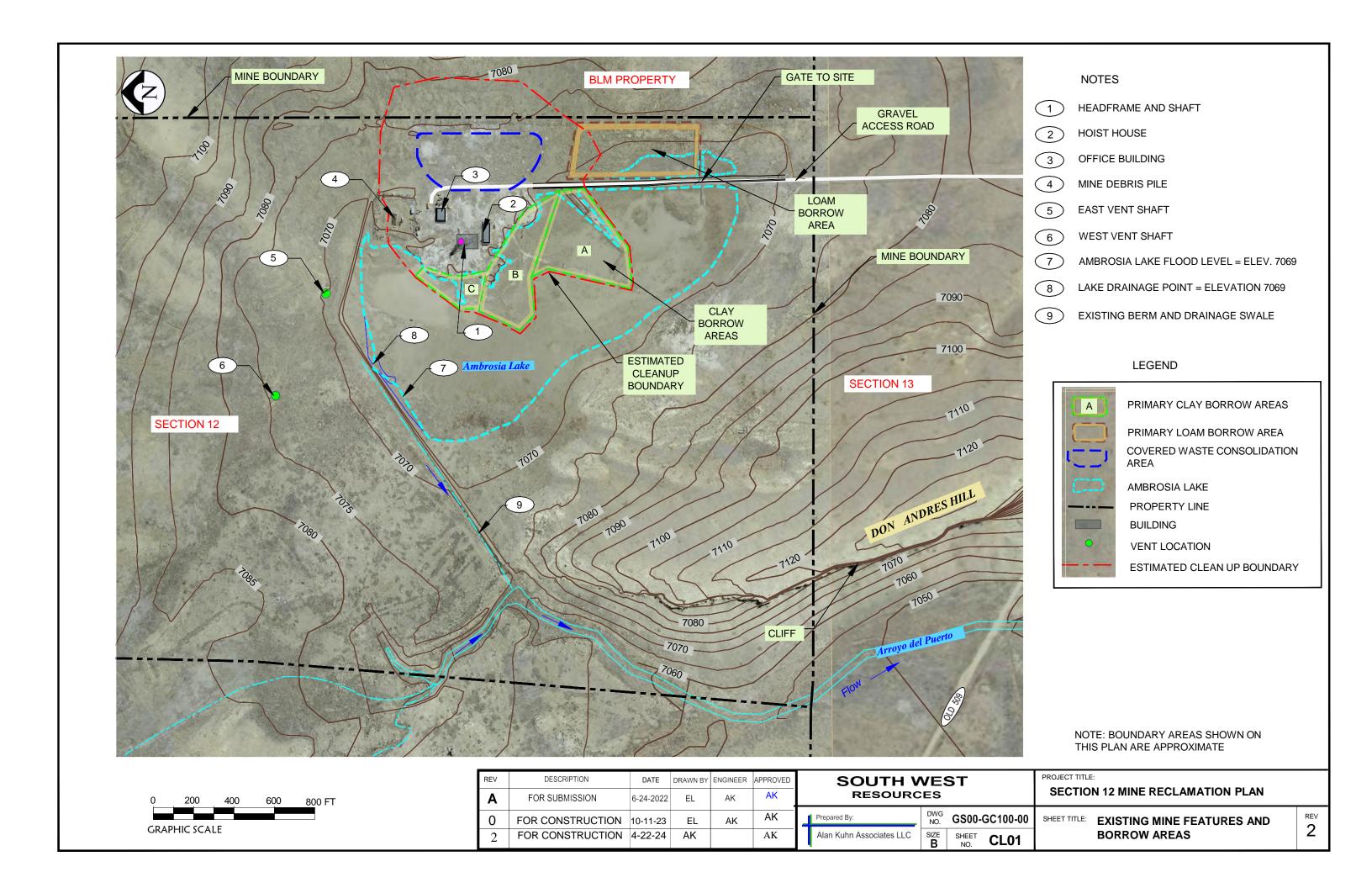


DRAWING INDEX

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 CWCA PLAN
CL05	GS00-GC105-00	GRADING PLAN
CL06	GS00-GC106-00	CWCA PLAN
CL07	GS00-GC107-00	CWCA N/S SECTION
CL08	GS00-GC108-00	CWCA E/W SECTIONS
CL13	GS00GC113-00	SHAFT COVER

CWCA = COVERED WASTE CONSOLIDATION AREA

REV	DESCRIPTION	DATE	DRAWN BY	ENGINEER	APPROVED	SOUTH V	VES	T	PROJECT TITLE:	
Α	FOR SUBMISSION	6-24-22	EL	AK	AK	RESOURC	ES		SECTION 12 MINE RECLAMTION PLAN	
0	FOR CONSTRUCTION	10-11-23	EL	AK	AK	Prepared By:	DWG NO.	GS00-GC100-00	SHEET TITLE: COVER SHEET - DRAWING INDEX	REV
2	FOR CONSTRUCTION	4-22-24	EL		AK	Alan Kuhn Associates LLC SIZE SHEET NO. CL00		COVER SHEET - DRAWING INDEX	_	





TASKS

HEADFRAME STRUCTURE

1 HEADFRAME TO REMAIN. .- STEEL IN ORE HOPPER AND CHUTE MAY BE REMOVED FOR USE IN SHAFT CAP. .

OFFICE BUILDING (64' X 42')

THE OFFICE BUILDING STRUCTURE, CONCRETE SLABS, AND FOUNDATIONS TO BE LEFT IN PLACE.

4 CONCRETE FLOOR SLAB.

5 EXTERIOR CONCRETE SLABS. (1,035 SF)

HOIST HOUSE (95' X 32')

3 HOIST HOUSE TO BE LEFT IN PLACE..

(4) CONCRETE FLOOR SLAB TO BE LEFT IN PLACE.

5 EXTERIOR CONCRETE SLABS TO BE LEFT IN PLACE

O	40)	80)	12	20	160) FT	
GRAPHIC SCALE									

REV	DESCRIPTION	DATE	DRAWN BY	ENGINEER	APPROVED	Г
		5,112	BIO WINE			
Α	FOR SUBMISSION	6-24-2022	EL	AK	AK	L
0	FOR CONSTRUCTION	10-11-23	EL	AK	AK	
2	FOR CONSTRUCTION	4-22-24	AK		AK	

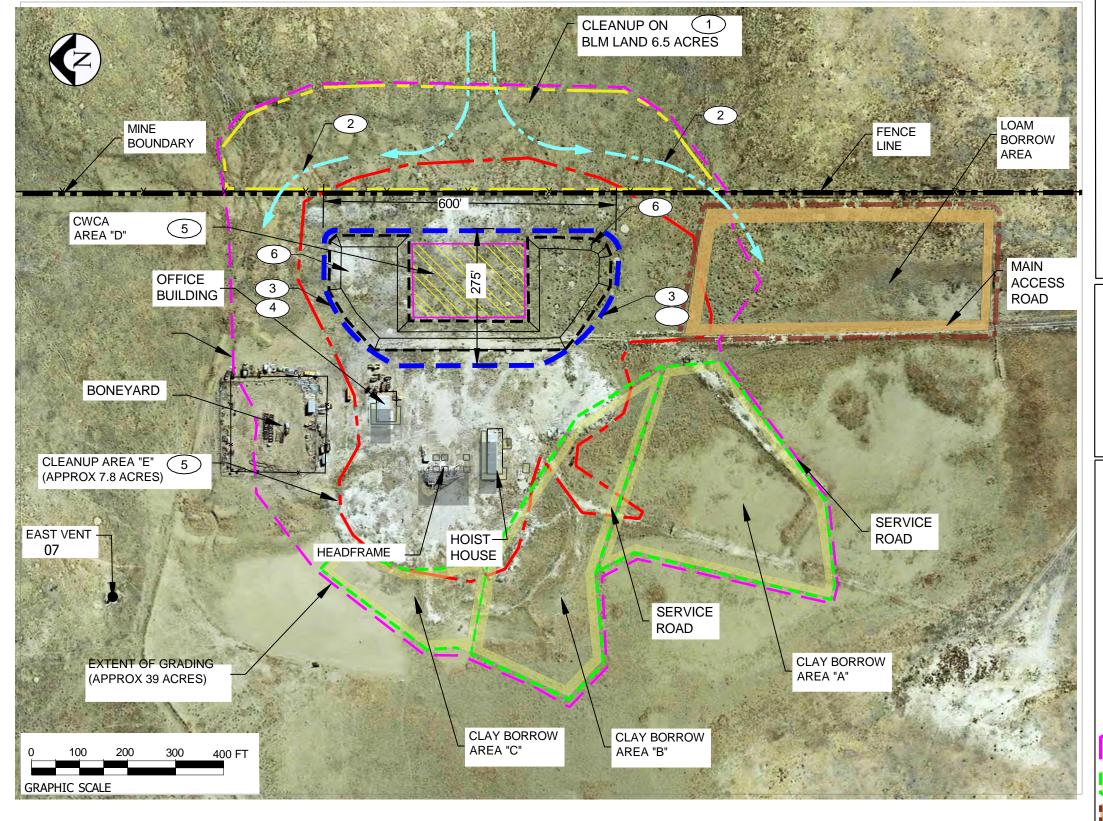
SOUTH	WEST
RESOUR	RCES

Prepared By:	DWG NO.	GS00-GC103-00
Alan Kuhn Associates LLC	SIZE R	SHEET CL 03

SECTION 12 MINE RECLAMATION PLAN

SHEET TITLE:

FACILITY DISPOSITION 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 CWCA.

INITI AL CWCA GRADING STEPS

REMOVE CONTAMINATED SOILS AROUND PERIMETER OF CWCA.

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

- REMOVE THE CONTAMINATED SOILS IN AREA
 "E" AND PLACE IN CWCA "D". MAXIMUM
 HEIGHT = 6'
- 6 PLACE CONTAMINATED SOILS FROM EXCAVATION IN AREA "D". STOCKPILE CLEAN SOILS AROUND CWCA PERIMETER FOR USE AS COVER SOILS.(SEE SHEET CL06 FOR PIT DIMENSIONS).

LEGEND



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



FOOTPRINT OF CWCA 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 CWCA.



CLEANUP IN BLM LAND. (6.5 ACRES)



ESTIMATED EXTENT OF GRADING (39 ACRES)



CLAY BORROW AREAS

LOAM BORROW AREAS

GENERAL NOTES:

- 1. THE EXTENT OF GRADING BOUNDARY AND THE BOUNDARY OF AREA "A" ARE BASED ON ERG REPORT SHEET CL02
- 2. ALL BUILDINGS AND FOUNDATIONS WILL REMAIN IN PLACE.
- .3 CWCA = COVERED WASTE CONSOLIDATION AREA

REV	DESCRIPTION	DATE	DRAWN BY	ENGINEER	APPROVED	
Α	FOR SUBMISSION	6-24-2022	EL	AK	AK	
0	FOR CONSTRUCTION	10-11-23	EL	AK	AK	١.
2	FOR CONSTRUCTION	4-22-24	AK		AK	

SOUTH WEST RESOURCES

Prepared By:

Alan Kuhn Associates LLC

SIZE
B

SHEET
NO.

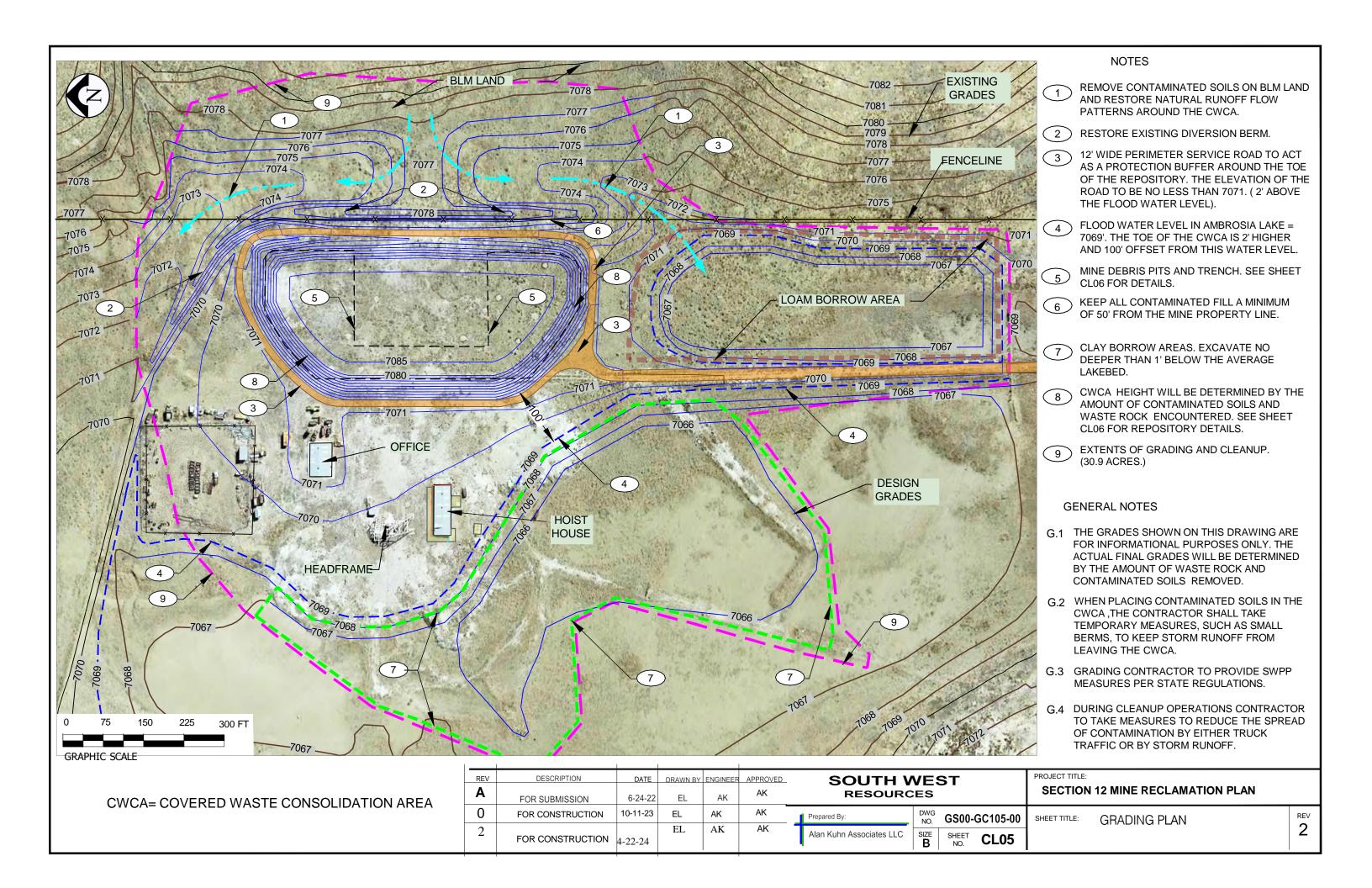
CL04

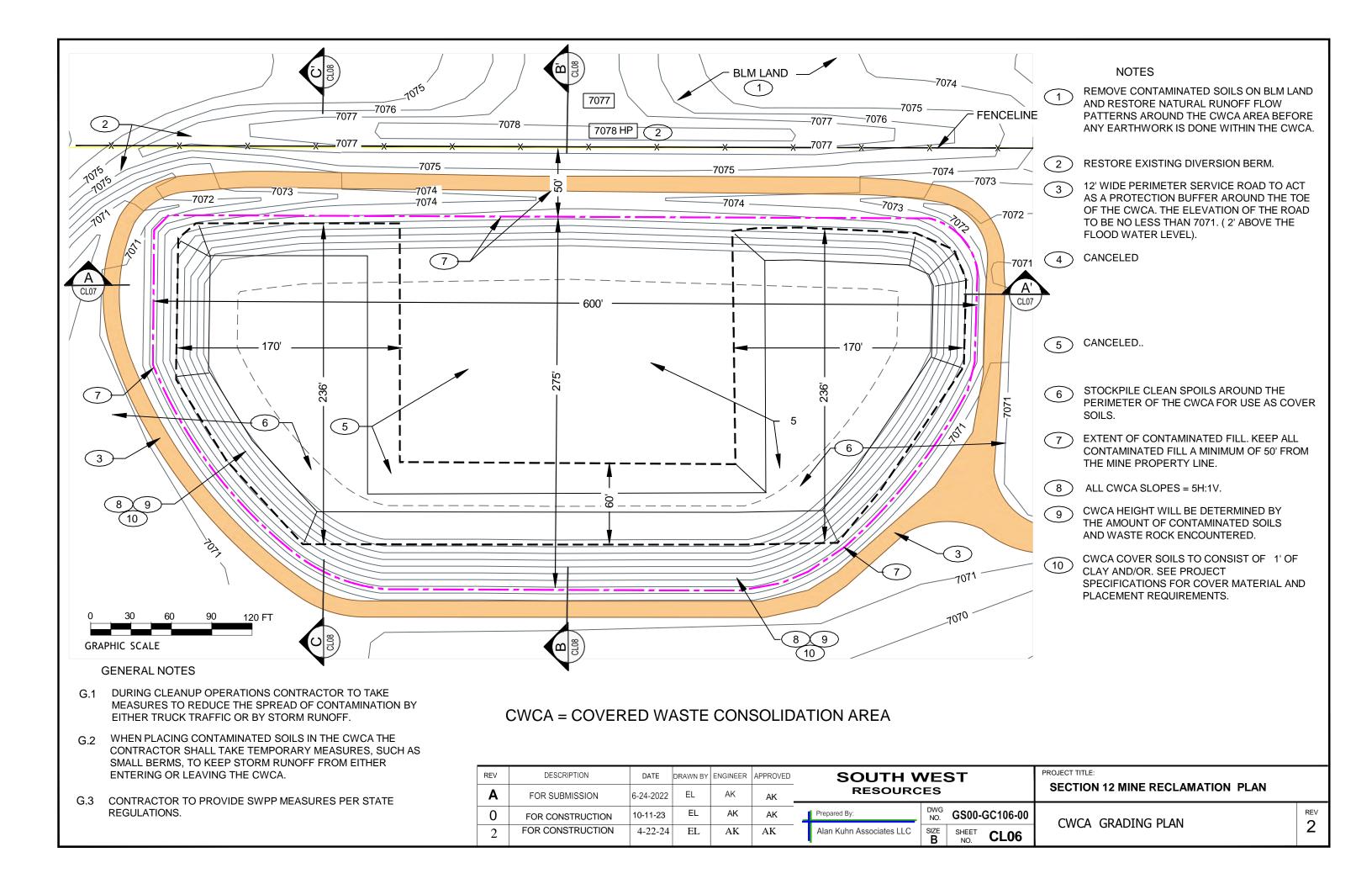
PROJECT TITLE:

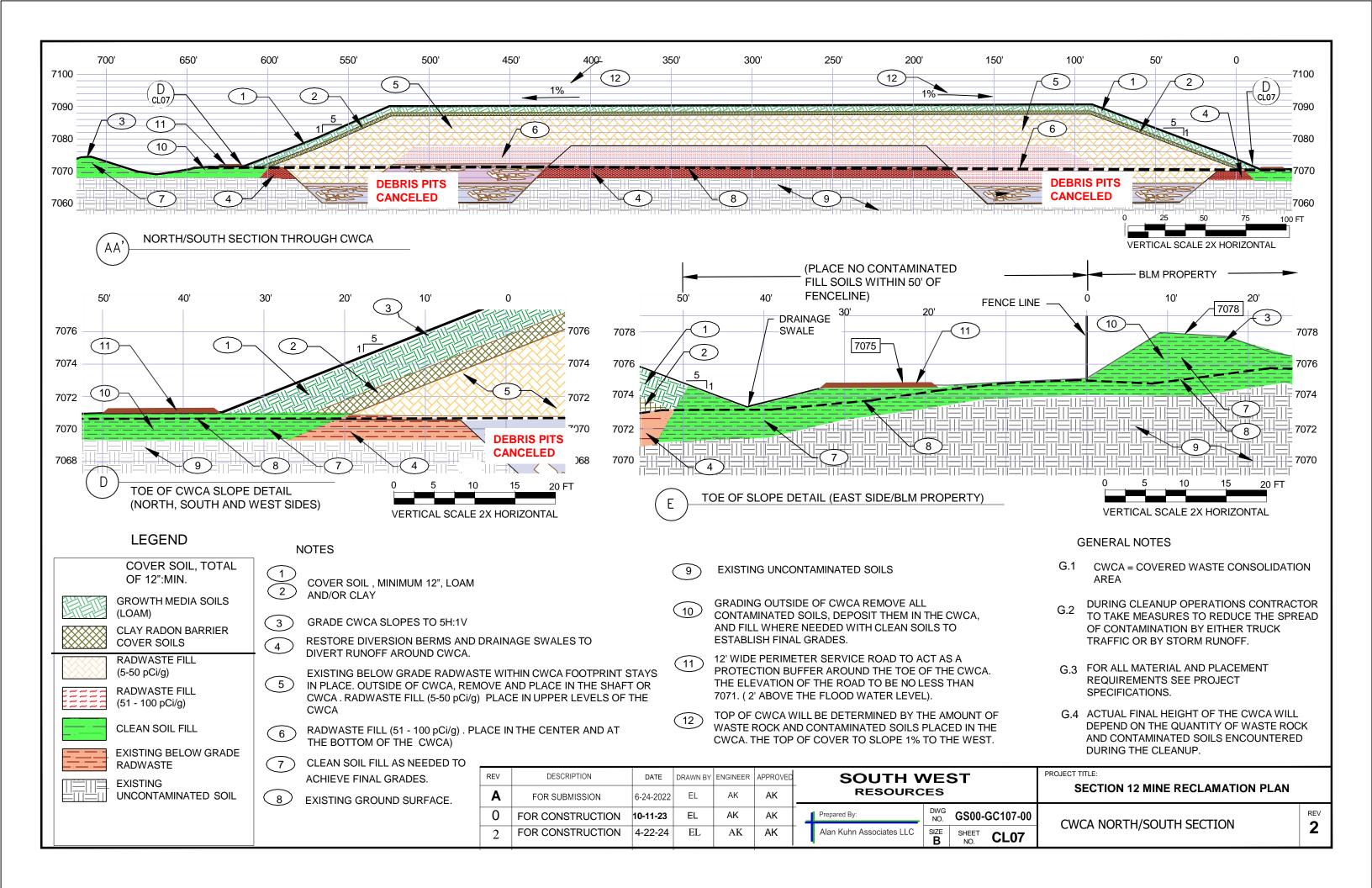
SECTION 12 MINE RECLAMATION PLAN

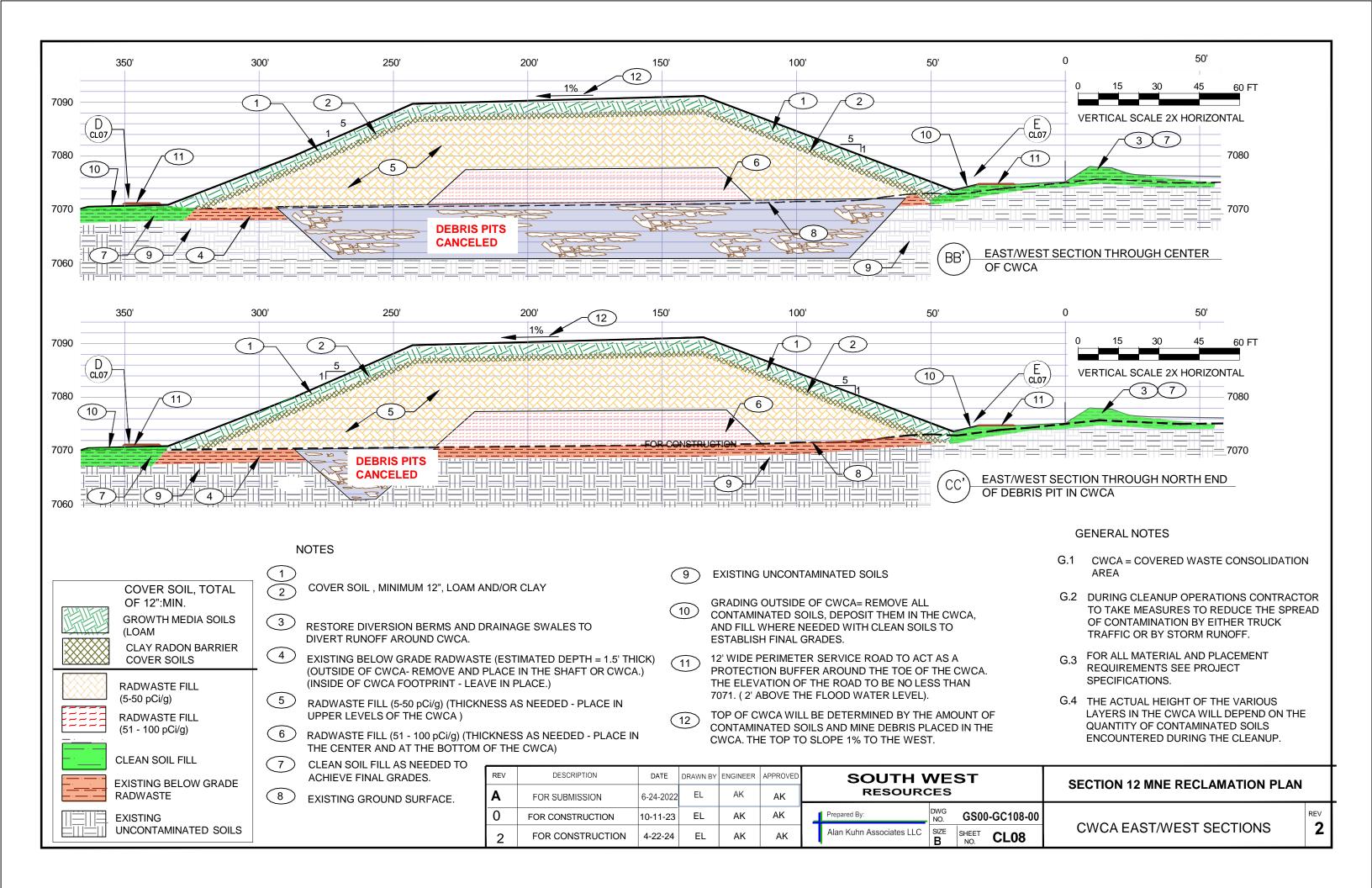
SHEET TITLE: REMEDIAL EARTHWORK AND CWCA PLAN

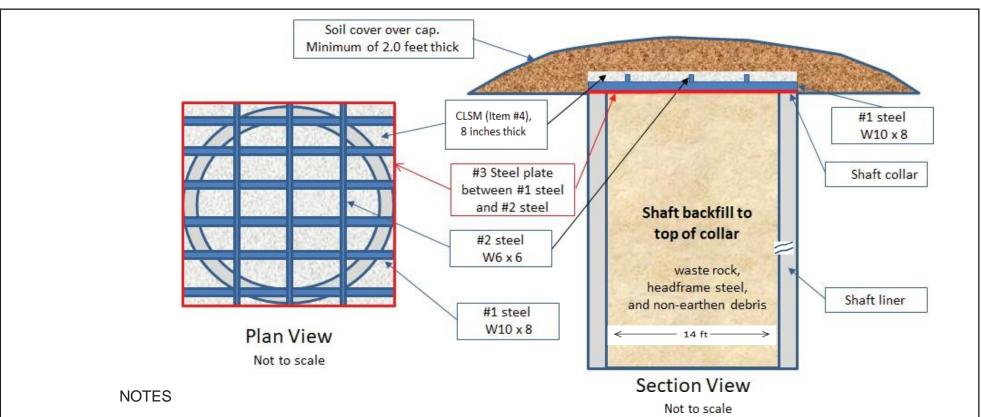
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- 1. Waste rock, headframe steel and other non-earthen debris placed in the shaft as backfill to the top of the shaft collar shall be allowed to settle for at least 28 days and topped of with earthen material before starting collar repairs and cap construction.
- 2. Damaged or deteriorated concrete at the top of the shaft collar shall be removed, exposed surfaces cleaned, and the remaining spaces spaces filled with 3000 psi concrete to complete a uniform surface to support the steel plate
- 3. Steel salvaged from headframe demolition to be used for cap construction shall be scanned to ensure it meets release standards. All other steel shall be disposed in the shaft. Each contact between cap steel plate and beams and between

beams shall be tack welded at least two places at each contact.

	SHAFT CAP - LIST OF MATERIALS						
Item #	Quantity	Material	Source				
1	6 x16 ft @	Steel, W10 x 8	headframe demolition				
2	3 x 16 ft @	steel, W6 x 6	headframe demolition				
3	256 ft ²	steel plate, 0.25-0.50 inch	existing cover, ore chute and hopper demolition				
4	9 CY	Controlled Low Strength Material (CLSM) per ACI Committee 229	C&E Concrete				

n	REV	DESCRIPTION	DATE	DRAWN BY	ENGINEER	APPROVED	SOUTH V	VEST	PROJECT TITLE:		
ct.	Α	CONCEPTUAL DESIGN	5-22-2020	EL	AK	AK	RESOURCES		SECTION 12 MINE RECLAMATION PLAN		
	0	* DRAFT	3-2 -23	AK	AK	AK	Prepared By:	DWG *	SHEET TITLE:	REV	
	1	FOR CONSTRUCTION	4-22-24	AK	AK	AK	Alan Kuhn Associates LLC	SIZE SHEET CL13	SHAFT COVER	1	