

<u>As of 01 MARCH 2021 Aerial Photo</u>		<u>Acres</u>		<u>ACTIONS TO BE TAKEN</u>			
<u>Map #</u>	<u>Description</u>		<u>Backfill</u>	<u>Rip</u>	<u>Place soil</u>	<u>Veg</u>	<u>Reseed</u>
A1	BLM Land Revegetated	22.8	NO	NO	NO	NO	22.8
A2	Private Land Revegetated	4.0	NO	NO	NO	NO	4.0
	Total Revegetated	26.8					
B1	BLM Land at final grade	34.8	NO		34.8	34.8	34.8
B2	Private Land at final grade	13.9	NO		13.9	13.9	13.9
B3	Private Land at final grade	1.5	NO	NO		1.5	1.5
	Total at final grade	50.2					
C	Private Land presently being regraded	6.8		3.4	0.0	1.7	1.7
D	Current mining operations	11.8		11.8	11.8	11.8	
	Total for each Action to be taken			15.2	60.5	63.7	26.8
Total	Total Presently Affected	95.5		15.2	60.5	63.7	26.8
E	New affected land 2021-23	8.7		8.7	8.7	8.7	
Total	Total affected by MAY 2023	104.3		23.9	69.2	72.4	26.8

Assumed Average backfill and rough grading 2.2 feet deep (conservative)

Placing soil includes final grading, Average soil 0.25 feet

Vegetation costs includes a percentage for revegetation

Revegetation at 25% of initial veg cost at current prices

- Notes
1. No significant highwalls remain, as mining proceeds to the bottom of Sale Barn Canyon
 2. No demolition of structures required
 3. Seeding done in Spring of 2020 on 25.3 acres, 2021 on 1.5 acres
 4. Areas B1 and B2 currently used for operations (plants, stockpiles, traffic)
 5. Area B2 is not being used but requires placement of soil and seeding.
 6. Area C is redisturbed to meet CDOT requirements for new access: most will be road/shoulders.

Cost Estimate for mining through May 2023.

	<u>Backfill</u>	<u>Rip</u>	<u>Place soil</u>	<u>Veg</u>	<u>Reseed</u>	
Equipment	D10	D10	D10	Various	Various	
Hourly/acre cost	\$400	\$400	\$400	\$650	\$163	
Units	/hour	/hour	/hour	/acre	/acre	
Quantity	86.1	83.4	57.9	72.4	26.8	
Units	Hours	Hours	Hours	Acres	Acres	
Equipment Cost (including operators)	\$ 34,425	\$ 33,352	\$ 23,177	\$ 47,078	\$ 4,352	
Materials Cost per acre	0	0	0	\$650	\$ 138	
Materials Cost	0	0	0	\$ 47,078	\$ 3,683	
TOTAL COST OF WORK/MATERIALS	\$ 34,425	\$ 33,352	\$ 23,177	\$ 94,155	\$ 8,035	\$ 193,144
Mobilization						\$ 2,500
<u>Overhead and Profit</u>						
Superintendent	100 hours		\$60/hour			\$ 6,000
Profit			10%			\$ 20,164
Total Contract Amount						\$ 221,808
DRMS Costs			5%			\$ 11,090
TOTAL FINANCIAL WARRANTY						\$ 232,899
	CURRENT FINANCIAL WARRANTY					\$ 339,559

NOTES: Backfill (3600 CY/acre, Production 1000 CY/hour)
Ripping 0.8 acres/hour (adjusted)
Grade and place soil (400 CY sub, 400 CY soil/acre) Production 1000 CY/hour
Vegetation including tilling (disc/weed) \$250/ac, seed (broadcast) \$250/ac, mulching \$150/ac
Materials for vegetation seed \$150/acre, straw \$500/ac (2 tons)