



May 7, 2019

State of Colorado
Division of Reclamation, Mining and Safety
Department of Natural Resources
1313 Sherman ST., Room 215
Denver, CO 80203

Exhibit E – Reclamation Plan

To whom it may concern,

The proposed mining activities for the Hale Sand Pit Expansion will be performed in 10-acre maximum blocks. Each block will be disturbed, mined, and then reclaimed before mining activities begin in the next block. The topsoil from the site will be used to create an earthen berm along the floodplain boundary.

The reclamation process will be as noted below:

1. The topsoil will be moved back over the disturbed area and regraded at no more than 4:1 slopes, although it is expected that the reclaimed condition will match existing slopes (+/- 1.0%).
2. Topsoil will be applied to at a minimum 3" of depth and greater if resource is available.
3. Apply 50# nitrogen (1.2# per 1,000 ft²) and 50# phosphate (1.2# per 1,000 ft²) to topsoil.
4. Revegetation will be performed by using the following seed mix:

<u>SPECIES</u>	<u>VARIETY</u>	<u>100% RATE</u>	<u>PROPOSED MIXTURE</u>
Sideoats Grama	Vaughn	9.0# PLS*	50%
Pubescent Wheatgrass	Luna	14.0# PLS*	30%
Crested Wheatgrass	Nordan	10.0# PLS*	20%

*PLS = Pure Live Seed

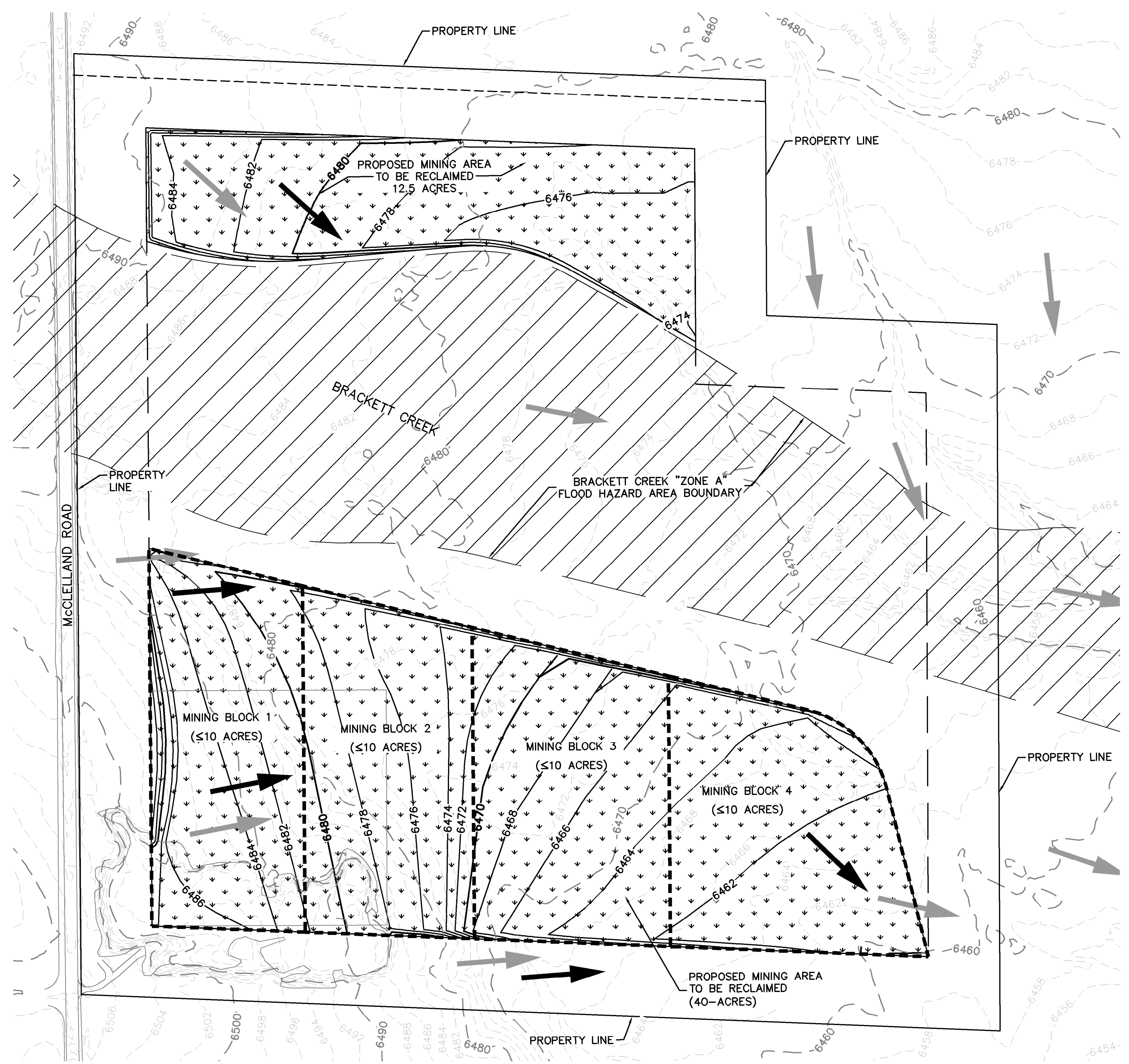
5. Drill grasses with adapted grass drill equipment having depth bands and press wheels. Time of drilling February 1 to May 15 or October 15 to freezeup. Depth of seeding is 1-3" to ½" deep.
6. Apply mulch – 4,000# per acre of native grass hay or wheat straw. This needs to be crimped in. This operation is done after seeding and fertilizing.

Final stabilization shall be achieved and accepted by El Paso County within 8 months post reclamation.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.

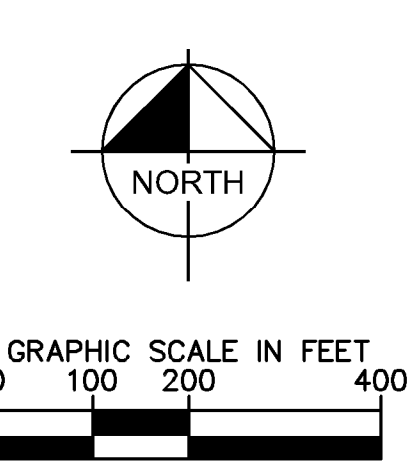
John Heiberger, P.E., Senior Project Manager



LEGEND

	PROPERTY LINE
	200' SETBACK LINE
	EXISTING GRAVEL ROAD
	"ZONE A" SPECIAL FLOOD HAZARD AREA PER FEMA MAP NUMBER 08041C058G
	PROPOSED MINING AREA
	PROPOSED MINING BLOCKS
	PROPOSED MAJOR CONTOUR
	PROPOSED MAJOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	HISTORIC FLOW ARROW
	PROPOSED FLOW ARROW

- NOTES:**
1. THE PROPOSED 40-ACRE MINING AREA ALONG THE SOUTH BORDER WILL BE MINED PRIOR TO ANY ACTIVITY ON THE 12.5-ACRE AREA TO THE NORTH.
 2. THE PROPOSED MINING EXPANSION WILL OCCUR IN 10-ACRE MAXIMUM BLOCKS TO PREVENT EROSION AND SEDIMENT POLLUTION. PERMANENT STABILIZATION AS DEFINED IN EXHIBIT E - RECLAMATION PLAN WILL BE ACHIEVED BEFORE BEGINNING MINING ACTIVITIES IN THE NEXT BLOCK.
 3. THE DELINEATION AND NUMBERING OF THE MINING AREAS (1,2,3,4) DOES NOT NECESSARILY INDICATE WHAT AREAS OR ORDER THE OWNER WILL CHOOSE TO FOLLOW. THEY ARE SHOWN HERE FOR GRAPHICAL REPRESENTATION ONLY.



**EXHIBIT F
RECLAMATION
PLAN MAP
05/07/2019**

