

October 27, 2023

*Via email to [nikie.gagnon@state.co.us](mailto:nikie.gagnon@state.co.us)*

Ms. Nicki Gagnon  
Division of Reclamation, Mining and Safety  
1313 Sherman Street, Suite 215  
Denver, CO 80203

Dear Ms. Gagnon:

RE: TR-05 Revised Reclamation Map  
Bond Reduction Request  
Worthing Pit M-1977-526

With this submittal, Albert Frei & Sons, Inc. (AFS) is requesting a Technical Revision (TR-05) to update the reclamation map and a bond reduction.

On March 25, 1978, permit M-1977-526 was issued for 110.6 acres. On October 29, 2005, AM-02 was approved which added 50.3 acres for a total of 160.9 acres.

In 2020-2022, three reductions-in-acreage were approved as follows:

Technical Revision	Date Approved	Prior (acres)	Reduction (acres)	Remaining (acres)
TR-02	7/27/2020	160.9	8.5	152.4
TR-03	3/12/2021	152.4	81.45	70.95
TR-04	8/12/2022	70.95	11.25	59.7

On January 15, 2013, TR-03 for inert fill for the Worthing Pit was approved. The inert fill was placed in the north area of the site over approximately 30 acres. The reclamation map from April 2005, shows a pond in this area. The reclamation map was not updated in 2013, thus the current reclamation map on record from 2005 is not consistent with the reclamation that has occurred.

Inert fill activities were completed in 2022. In 2023, the entire remaining permit area (59.7 acres) was graded and seeded. The attached reclamation map dated October 25, 2023, reflects the approximate final grades of the Worthing site.

The purpose of this technical revision is to revise the reclamation map to show uplands rather than open water in the north area of the site. The south area is very similar to the 2005 reclamation map: the area slopes gently from Brighton Road westward to the South Platte River.

Since the site reclamation is complete except for allowing time for the grass to grow, we are requesting a bond reduction of \$188,260 from \$230,500 to \$42,240.

Reclamation is complete in accordance with the exception of any secondary seeding that may need to be done. We have attached a bond estimate that includes reseeding 30% of the total seeded area that may need a second seeding. The table included with the calculation page lists the areas used in the estimate. The estimate unit costs are based on the Division's last bond estimate calculation and shows that the reduced bond should be \$42,240.

If you have any questions or need more information, please call me at 303-913-6583.

Sincerely,  
Albert Frei & Sons, Inc.



Joel Bolduc  
Land and Environment Manager

attachments:

Attachment A – 2023 Reclamation Map

Attachment B – 2023 Reclamation Cost Estimate

# Attachment A

## 2023 Reclamation Map

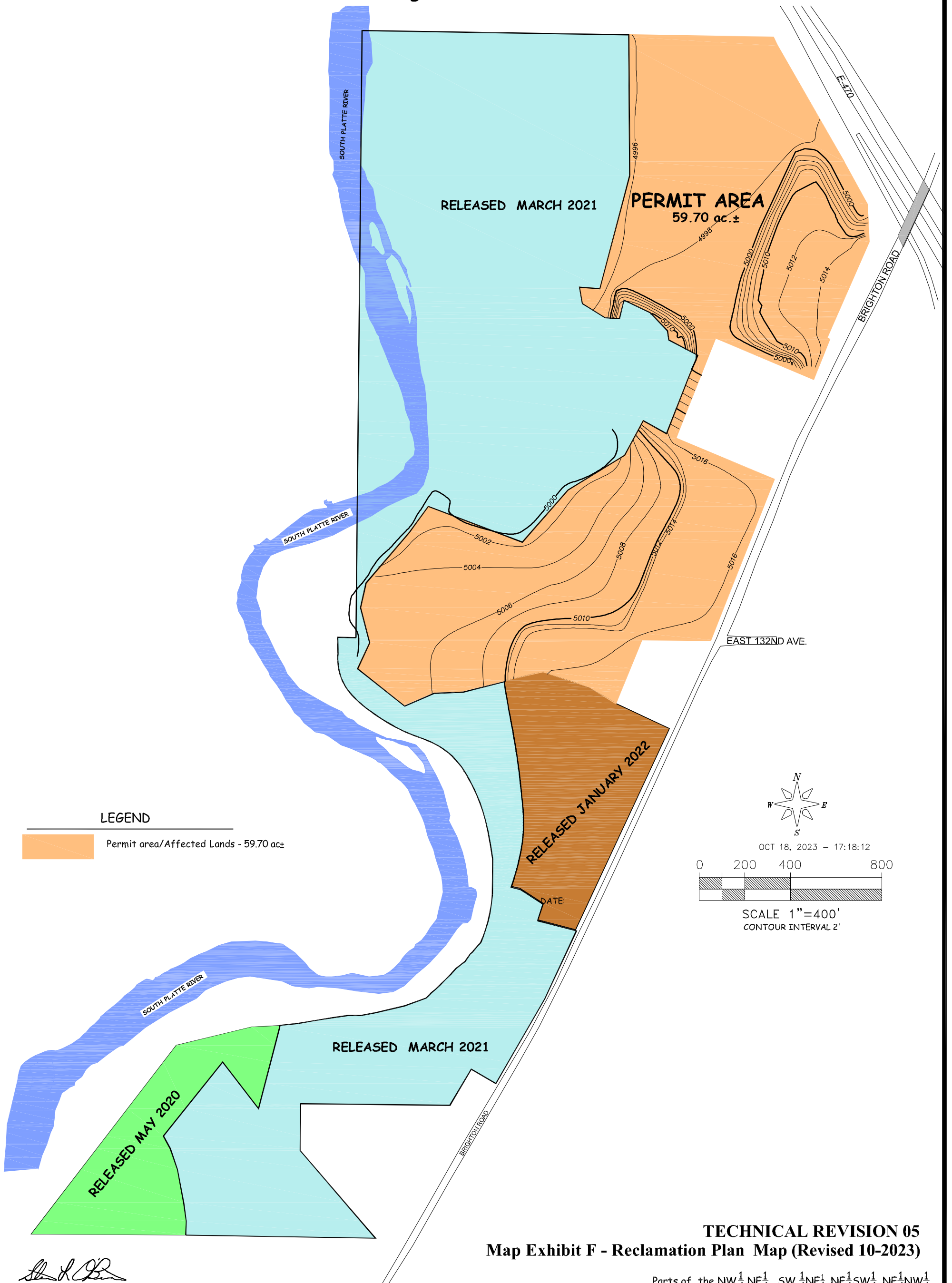
# AFS

ALBERT FREI & SONS

13205 Brighton Road | Brighton, Colorado 80601

phone: (303) 289-1837

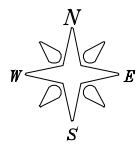
Worthing Pit - M-1977-526



## LEGEND



Permit area/Affected Lands - 59.70 ac.±



OCT 18, 2023 - 17:18:12



SCALE 1"=400'  
CONTOUR INTERVAL 2'

# Attachment B

## 2023 Reclamation Cost Estimate

## 2023 RECLAMATION COST ESTIMATE

Worthing Pit, M-1977-526

October 27, 2023

**Table A - Reclamation Cost Estimate Data**

Description	Area	Units
Permit area	59.70	Ac.
Seeded area (complete)	59.00	Ac.
Roads	0.70	Ac
Secondary seeding percentage	30%	
Seed, mulch, fertilizer	\$1,860	Per acre

The mine has been reclaimed with final grading and seeding completed. Only secondary seeding is needed. The per acre revegetation cost includes all items needed to reseed the area including seed cost, drilling, power mulching, crimping, fertilizer application and weed control.

Task Description	Cost
001- Secondary seeding	\$32,922
002- Mob/demob (6 miles)	\$1,525
Total Direct costs	\$34,447
Liability insurance @ 2.02%	\$696
Performance bond @ 1.05%	\$362
Job Superintendent 11.2 hrs @ \$140/hr	\$1,568
Profit @ 10%	\$3,445
Reclamation Management @ 5.0%	\$1,722
Total Indirect costs	\$7,793
<b>Total Bond</b>	<b>\$42,240</b>