



7.0 EXHIBIT F - OTHER PERMITS & LICENSES

(S E C 6 . 3 . 6)

County Permits and Approvals

- Lake County Conditional Use Permit – (Appendix 7-1)
The Lake County CUP requires 11 parking spaces. These spaces shown in Figure 6-2 will not be paved.⁴⁹
Note: 2011 Permit 11-07 is included. This permit once updated will be provided to the Division for review.
- Parkville Water District- Lake County -(Appendix 7-2)
- Noxious Weed Management Plan- (Appendix 7-3)⁵⁰
- Building Permit- (Appendix 7-4)
Note: Building permits for pre-2021 construction are included. Additional building permits for; leach tank pad, new crusher, truck scale, and temporary RoM storage pad will be provided to the Division for review, when received.
- Certificate of Occupancy (CO) (Appendix 7-5)
Note: CO's for pre-2021 construction are included. Additional building permits for; leach tank pad, new crusher, truck scale, and temporary RoM storage pad will be provided to the Division for review, when received.

State Permits and Approvals

- Stormwater Permit ~~(Construction)-Union Milling Company, LLC (Appendix 7-6)~~
Leadville Mill (Exhibit U -Appendix 14-1)
- Air Pollution Emission Notice (APEN)-CDPHE; (Appendix 7-6)
Note: APENs have been submitted to the Colorado Department of Public Health & Environment (CDPHE), and will be provided when received.
- Stormwater Permit (Application)-~~Union Milling Company,~~ CJK Milling Company LLC-In Process (Appendix 7-7)
- Industrial Discharge Permit-~~Union Milling Company, LLC is a “no discharge facility” therefore a CPDES Industrial discharge permit is not required.~~ **is not required. The Leadville Mill is a “no discharge facility”.**
- Colorado Division of Wildlife Consultation (Appendix 7-8)
- State Historic Preservation Office Consultation (Appendix 7-9)
- Colorado Department of Transportation-CDOT approved road access permit (Appendix 7-10)
- Colorado State Engineer-Monitoring Well Permits (Appendix 7-11)⁵¹

⁴⁹ A1AR1Q33

⁵⁰ A1AR1Q35

⁵¹ 2014 Addition to permit



The Leadville Mill

APPENDIX 7-1
LAKE COUNTY
- CONDITIONAL USE PERMIT

OFFICIAL ACTION RECORD / LAKE COUNTY LAND USE

1. TYPE OF REQUEST: Conditional Use Permit
2. APPLICANT / OWNER: Union Milling Company, LLC, Constructive Investments, LLC
3. REPRESENTATIVE: Same as Applicant / Owner
4. APPLICANT ADDRESS: 6200 S. Vivian St., Littleton, CO 80127
5. LOCATION OF PROPERTY: 4436 Zuni, Lake County, CO
6. PRESENT ZONING: Industrial Mining (IM)
7. REQUEST DESCRIPTION: Conditional Use Permit to reopen the Leadville Mill

LAKE COUNTY PLANNING COMMISSION ACTIONS

8. DATE & TYPE OF ACTION TAKEN
 - A. August 8, 2011 Joint Public Hearing
 - B. August 22, 2011 Continuation of Joint Public Hearing, Planning Commission discussion and recommendation

**PLANNING COMMISSION ACTION OR RECOMMENDATION TO THE
BOARD OF COUNTY COMMISSIONERS**

9. APPROVAL:
10. DENIAL:
11. CONDITIONAL APPROVAL: **XX**
12. OTHER:
13. STIPLULATIONS RECOMMENDED:
14. DATE SUBMITTED TO BOARD OF COUNTY COMMISSIONERS:
FORMS SUBMITTED: Official Action Record, Statement of Motion and the project file (#11-07).

Karen Martin / Land Use Planner
Signature / Title

LAKE COUNTY BOARD OF COUNTY COMMISSIONERS

DATE ABOVE REQUEST RECEIVED FROM PLANNING COMMISSION: *8-24-11*

15. FORMS RECEIVED: Official Action Record, State of Motion and the project file #11-07

DATE PLACED ON COMMISSIONERS' AGENDA: 9/7/2011

16. DATE & TYPE OF ACTION TAKEN BY THE BOARD OF COUNTY COMMISSIONERS:
 - A. See Lake County Commissioners' Statement of Motion.
 - B.
 - C.

FINAL DECISION BY THE BOARD OF COUNTY COMMISSIONERS

17. APPROVAL: REASONS:

18. DENIAL:

19. CONDITIONAL APPROVAL: **XX**

20. OTHER:

DATE MAILED TO PETITIONER:

9-14-11

Carl F. Schaefer / Commissioner Chair
Signature / Title



Statement of Motion

File No. 11-07

At its August 22, 2011 meeting, the Lake County Planning Commission made, seconded, and approved by a vote of six (6) members in favor, zero (0) members in opposition, the following motion regarding File No. 11-07; the motion having been made by Bill Klauber and seconded by Bruce Hix, was approved by an unanimous voice vote:

Klauber moves, regarding File 11-07, that the Planning Commission recommend to the Board of Commissioners that this CUP application be approved with the following conditions:

- 1) All trucks making deliveries must have noise reduction mufflers
- 2) Applicant has one year to complete fencing in accordance with the Colorado Division of Wildlife
- 3) All equipment in operation on site must use Strobe lights to indicate reverse gear by MSHA
- 4) All external lights on facility must be fully shielded, downcast, and not discernable from above or horizontally
- 5) All loads on delivery trucks will be covered
- 6) Must acquire a 10,000 gallon cistern. Applicant must acquire a water plan in 2 years and have it implemented in 3 years.
- 7) Staff will comply with requirements made by the airport engineer.
- 8) Must have written easement.
- 9) 24/7 is allowable
- 10) Applicant will provide 10 regular parking spaces and 1 handicapped space



357358
3 of 4

9/13/2011 10:05 AM
OAR R\$0.00 D\$0.00

Patricia Berger
Lake County Recorder

- 11) Applicant will facilitate training within 90 days of start up
- 12) Board of Commissioners will review the CUP for File 11-07 annually or on any change of ownership or conversion to a custom mill.



Board of County Commissioners
Lake County, Colorado

Statement of Motion
#11-07

Motion was made by Commissioner Bordogna and seconded by Commissioner Semsack to approve file #11-07. The motion was amended by a motion by Commissioner Bordogna and a second by Commissioner Semsack to include the 13 conditions which included striking the Planning Commission condition #7 and adding two more conditions. The conditions are as follows:

- 1) All trucks making deliveries must have engine brake mufflers
- 2) Applicant has one year to complete and alter existing perimeter fencing in accordance with the Colorado Division of Wildlife recommendations.
- 3) All equipment in operation on site must use strobe lights after dark to indicate reverse gear instead of audible alarms.
- 4) All external lights on facility must be fully shielded downcast.
- 5) All loads on delivery trucks will be covered.
- 6) No load deliveries will occur between 11:00 p.m. and 6:00 a.m. beginning 9-1-2011.
- 7) Must acquire a minimum 10,000 gallons of dedicated fire protection water. Applicant must develop a permanent water plan in 2 years and have it implemented in 3 years.
- 8) Must furnish a non-terminable easement within one year
- 9) 24/7 operation is allowable
- 10) Applicant will provide 10 regular parking spaces including 1 handicapped space.
- 11) Applicant will facilitate training for first responders within 90 days of start up
- 12) Board of Commissioners will review the CUP for File 11-07 annually or on any change of ownership or conversion to a custom mill
- 13) Applicant will address sound mitigation upon complaints

Commissioner Bordogna voted in favor of the amendment, Commissioner Semsack voted in favor of the amendment and Commissioner Schaefer voted in favor of the amendment.

Commissioner Bordogna voted in favor of the original motion, Commissioner Semsack voted in favor of the original motion and Commissioner Schaefer voted in favor of the original motion.



The Leadville Mill

APPENDIX 7-2

PARKVILLE WATER DISTRICT

- COMMITMENT TO PROVIDE WATER



Parkville Water District

2015 Poplar Street

Leadville CO 80461

Telephone (719) 486-1449

Fax (719) 486-2057

www.parkvillewater.org

To Whom It May Concern,

January 14, 2021

Parkville Water District does intend to provide water to the CJK Milling Company LLC, for the operation of its mill West of Leadville Colorado. Parkville Water District will provide an estimated 35,000 gallons per day for continued operation of this mill. This commitment to provide water service will extend to January 14, 2023, at which time it will be subject to renewal at the discretion of the Parkville Board of Directors and Management.

Sincerely,

A handwritten signature in blue ink that reads "Greg Teter". The signature is fluid and cursive, with the first name "Greg" being more prominent than the last name "Teter".

Greg Teter,

General Manager



The Leadville Mill

M1990-057
EXHIBIT F – OTHER PERMITS & LICENSES
Page 7-9

APPENDIX 7-3

LAKE COUNTY

- NOXIOUS WEED MANAGEMENT PLAN

Noxious Weed Management Plan

CJK Milling Company LLC

Leadville Mill

Leadville, Colorado

1. Plan Objective

The objectives for the CJK Milling Company's (CJK) Noxious Weed Management Plan for the Leadville Mill are to:

1. provide the steps necessary for the Leadville Mill to assess the existence of noxious weeds within and adjacent to the property boundaries;
2. provide the Leadville Mill with preventive and treatment measures which will control the spread and establishment of noxious weeds; and
3. identify monitoring needs and frequency of monitoring.

2. Description of the Project

The Leadville Mill site permitted area consist of 20.7 acres located about 2.5 miles south of the town of Leadville. It is on the north side of Highway 24 in a heavily wooded area on the lee side of an east-west trending hill at an elevation of 9,750 feet.

3. Weed Inventory

UMC requested that Larry Walker, Chaffee County Weed Department, inspect the mill site. He found some Oxeye daisies on the fence line next to the water treatment plant (outside of the permitted area) and a few Canada thistle on the pond dike and the south west corner of the mill (inside the permitted area). Canada thistle was also observed earlier in the year around the mill and the tailings pond. See attached map for weed infestation locations.

4. Weed Management Techniques

The key principle to Canada thistle control is to stress the plant and force it to use stored root nutrients. Canada thistle can recover from almost any stress, including control attempts, because of root nutrient stores. Therefore, returning infested land to a productive state occurs only over time. Success requires a sound management plan implemented over several years.

The techniques below are based on the CSU web site's recommendations but have been modified because the Leadville Mill is not a range or grass land environment.

Cultural control. Grasses can compete effectively with Canada thistle if their growth is favored by good management. Fertility and moisture must be maintained at optimum levels to favor grass growth. Soil analysis can easily determine fertility needs, however, caution must be used with nitrogen fertilizers because excess available soil nitrogen will favor weed growth.

These are essential management steps to ensure optimum desirable plant growth and competition. However, competition alone seldom is effective against Canada thistle.

Chemical control. Research at Colorado State University shows that Tordon 22K (picloram), Milestone (aminopyralid), Transline (clopyralid), Banvel/Vanquish/Clarity (dicamba) and Telar (chlorsulfuron) are effective against Canada thistle. Canada thistle is difficult to control and re-treatment for one to three or more years after the initial application is common. These herbicides are most effective when combined with cultural and/or mechanical control.

UMC chooses to use Milestone as the chemical control. It is a broadleaf herbicide that works well in the mountainous area where the mill is located.

Milestone will be used at the rate of 5 to 7 fl oz /acre modified for a two gallon weed sprayer. The thistle will be spot sprayed during July and Aug before they bloom.

Mechanical control. Mowing may be combined with the cultural and chemical control.

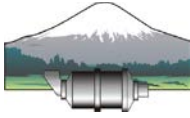
Biological control. No biological control will be used.

5. Monitoring Plan

The Leadville Mill will monitor the site for any noxious weed species on the state A list or the Chaffee/Lake county list. The company will have the local weed control expert inspect the property in late July. He will be asked to identify any new noxious weed infestations and make any recommendations to the current management techniques.

The company will review both the local weed inspector's recommendations and the Colorado State University's web site for noxious weed control and implement suggested techniques to manage any newly identified species or to make changes to the existing control methods.

References: Colorado State University's web site for weed control -
<http://www.ext.colostate.edu/pubs/natres/03108.html>



The Leadville Mill

M1990-057
EXHIBIT F – OTHER PERMITS & LICENSES
Page 7-12

APPENDIX 7-4

LAKE COUNTY

- BUILDING PERMIT

REQUIRED LAKE COUNTY BUILDING INSPECTIONS

1. Footer and Foundation Inspection: To be made after trenches are excavated and forms erected and when all materials for the foundation are delivered on the job. Where concrete from a central mixing plant (commonly termed "transit mixed") is to be used, materials need not be on the job.
2. Frame Inspection: To be made after the roof, all framing, fire-blocking, and bracing are in place and all pipes, chimneys and all vents are complete. After rough electrical.
3. Lath and/or Wallboard Inspection: To be made after all lathing and/or wallboard, interior and exterior, is in place; But before any plastering is applied or before wallboard joints and fasteners are taped and finished.
4. Final Inspection: To be made after building is completed and ready for occupancy. Final electrical must be done.

Other Inspections: In addition to the required inspections specified above, the Building Official may make or require any other inspections of any construction work to ascertain compliance with the provisions of this Code and other laws which are enforced by the Building Department.

Make a drawing of your site. Indicate the dimensions of the front, side and rear property lines. Specify which property line is front, the name of the frontage road, and indicate which way is north. Also, indicate all pre-existing structures, their use, size and location on the site. Indicate location of proposed new construction. A complete set of blue prints are required with application.

I hereby acknowledge that I have read this application and state that information given is correct and agree not to start this project until this application is approved and permit issued. I understand that I must give a 24 hour notice on all required phases of construction.

Date of Application DECEMBER 9, 1987

APPLICANT'S SIGNATURE Donald H. Hilson PRES
LEADVILLE MINING & MILLING CORP.

2512
Nº 48517 County Treasurer's Office, Lake County, Colorado

Leadville, Colo.,

Received of Leadville Mining & Milling Corp

Account of _____ \$ _____
" 20,587.25 9-50 R 80W \$ _____
" contracted labor \$ 11,500.00
" low location - unknown \$ _____
" 100 Bay 553 \$ _____

Cash Book Page _____

By (u)

THE C. F. HEECKEL CO., DENVER (73)

LAKE COUNTY,
COLORADO

BUILDING PERMIT

No. 00936

ESTIMATED COST	FEE	DATE	ZONING DISTRICT	S. D.	SQUARE FEET
\$78,948.00	\$370.00	December 23, 1987	IM		3600
CONTRACTOR OR OWNER			ADDRESS OF JOB		
Leadville Mining & Milling Corp.					
LEGAL DESCRIPTION					
Sec. 28, TS.9S., R.80W.					

PERMISSION IS HEREBY GRANTED TO construct A one STORY flotation & gravity mi

CONDITIONS:

- (1) THIS PERMIT WAS ISSUED IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN YOUR APPLICATION AND IS SUBJECT TO THE LAWS OF THE STATE OF COLORADO AND TO THE ZONING REGULATIONS AND BUILDING CODE OF LAKE COUNTY.
- (2) THIS PERMIT SHALL EXPIRE IF (A) THE WORK AUTHORIZED IS NOT COMMENCED WITHIN SIXTY (60) DAYS FROM ISSUE DATE OR (B) THE BUILDING AUTHORIZED IS SUSPENDED OR ABANDONED FOR A PERIOD OF SIXTY (60) DAYS.
- (3) IF THIS PERMIT EXPIRES, A NEW PERMIT MAY BE ACQUIRED FOR A FEE OF ONE-HALF THE AMOUNT NORMALLY REQUIRED; PROVIDED NO CHANGES HAVE BEEN OR WILL BE MADE IN THE ORIGINAL PLANS AND SPECIFICATIONS AND ANY SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE (1) YEAR. IF CHANGES ARE MADE OR IF SUSPENSION OR ABANDONMENT EXCEEDS ONE (1) YEAR, FULL FEES SHALL BE PAID FOR A NEW PERMIT.
- (4) NO WORK OF ANY MANNER SHALL BE DONE THAT WILL OBSTRUCT THE NATURAL FLOW OF WATER CAUSING A DRAINAGE PROBLEM.
- (5) CONTRACTOR SHALL NOTIFY THE BUILDING INSPECTOR TWENTY-FOUR (24) HOURS IN ADVANCE FOR ALL INSPECTIONS AND SHALL RECEIVE WRITTEN APPROVAL ON INSPECTION CARD BEFORE PROCEEDING WITH SUCCESSIVE PHASES OF THE JOB.

White copy - Building Inspector
Yellow copy - Permittee
Pink copy - Lake County Assessor

Donald Lippi
CHIEF BUILDING INSPECTOR

BY _____

THIS PERMIT IS NOT TRANSFERABLE

INSPECTIONS WILL NOT BE MADE UNLESS
THIS CARD IS POSTED ON THE JOB
24 HOURS NOTICE REQUIRED FOR INSPECTIONS

BUILDING PERMIT

Lake County, Colorado

Date Issued 12-23-87 Zoned Area IM Permit No. 00936

AGREEMENT

In consideration of the issuance of this permit, the undersigned hereby agrees to comply with all such laws and regulations in the location; construction and erection of the proposed structure for which this permit is granted, and further agrees that if the above said ordinances are not fully complied with in the location, erection and construction of the above described structure, the permit may then be revoked by notice from the County Building Inspector and THEN AND THERE IT SHALL BECOME NULL AND VOID.

Use MILL Owner LEADVILLE MINING & MILLING CO.
Address Box 552 - LEADVILLE CO 80461

LEGAL DESCRIPTION:

Sec 28, TS. 9S., R 80W.

NOTICE

THIS PERMIT IS NULL AND VOID IF PRE-FABRICATED UNITS ARE NOT INDICATED TO BE PRE-FABRICATED

SEPARATE PERMITS ARE REQUIRED FOR PLUMBING, ELECTRICAL AND HEATING.

N.....S.....E.....W.....

INSPECTORS MUST SIGN ALL SPACES BELOW BEFORE WORK PROCEEDS ON NEXT STEP		RE-INSPECTIONS
Inspector	Date	
Footings		
Rough Elect.		
Framing		
Final Building		
Final Electrical		

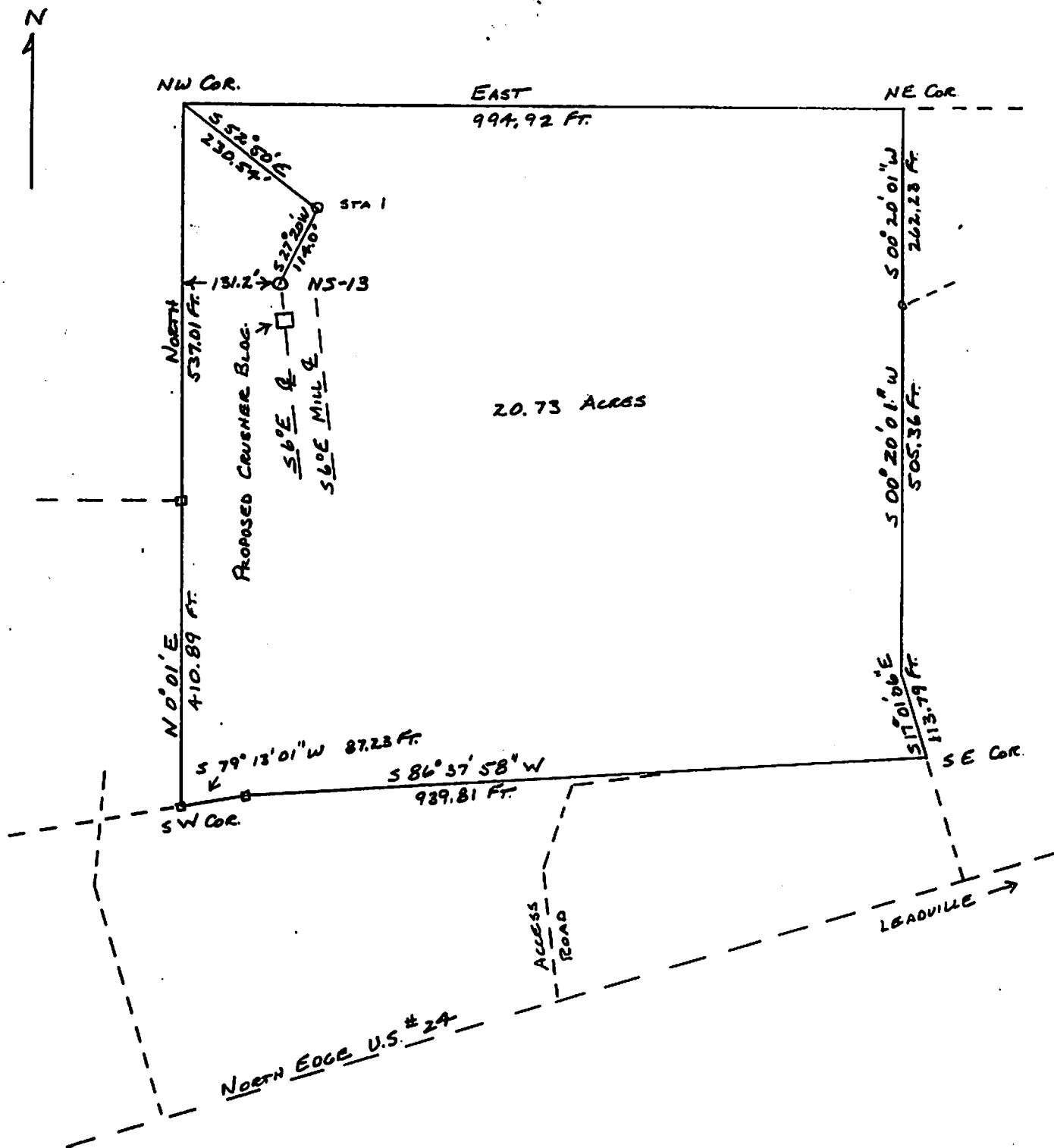
THIS PERMIT IS NOT TRANSFERABLE

Leadville, Colorado

Phone 486-1796

DO NOT DESTROY THIS CARD

This card must be returned to the Building Department with all inspections signed before a



LEADVILLE MINING & MILLING CORP.

MILLSITE SURVEY

SECS. 28 & 33 T9S R80W

BOUNDARY SURVEY BY BACKLUND LAND SURVEYS, FRISCO, COLO JULY, 1986
MILLSITE SURVEY BY CALVIN HAUSER JAN., 1987

1" = 200'

YOUR RECEIPT
THANK YOU

County Treasurer's Office, Lake County, Colorado

\$ 68.50

Leadville, Colo., Apr 5, 1987

ed of Leadville Mining & Milling Corp

eight & 50/100 DOLLARS

Building Permit
28-9-80

\$ CREDIT OF Fund

\$ "

\$ County General "

\$ "

\$ "

James A. Fairchild, Treasurer

By SR, Deputy

THE C. F. HECKEL CO., DENVER (T 3)

LAKE COUNTY,
COLORADO

BUILDING PERMIT

933

ESTIMATED COST	FEE	DATE	ZONING DISTRICT	S. D.	SQUARE FEET
\$7,752.00	\$68.50	November 12, 1987	IM		480
CONTRACTOR OR OWNER			ADDRESS OF JOB		
Leadville Mining & Milling Corp					
LEGAL DESCRIPTION					
Sec. 28 TS9S R80W					

PERMISSION IS HEREBY GRANTED TO construct A one STORY mill crusher

CONDITIONS:

- (1) THIS PERMIT WAS ISSUED IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN YOUR APPLICATION AND IS SUBJECT TO THE LAWS OF THE STATE OF COLORADO AND TO THE ZONING REGULATIONS AND BUILDING CODE OF LAKE COUNTY.
- (2) THIS PERMIT SHALL EXPIRE IF (A) THE WORK AUTHORIZED IS NOT COMMENCED WITHIN SIXTY (60) DAYS FROM ISSUE DATE OR (B) THE BUILDING AUTHORIZED IS SUSPENDED OR ABANDONED FOR A PERIOD OF SIXTY (60) DAYS.
- (3) IF THIS PERMIT EXPIRES, A NEW PERMIT MAY BE ACQUIRED FOR A FEE OF ONE-HALF THE AMOUNT NORMALLY REQUIRED; PROVIDED NO CHANGES HAVE BEEN OR WILL BE MADE IN THE ORIGINAL PLANS AND SPECIFICATIONS AND ANY SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE (1) YEAR. IF CHANGES ARE MADE OR IF SUSPENSION OR ABANDONMENT EXCEEDS ONE (1) YEAR, FULL FEES SHALL BE PAID FOR A NEW PERMIT.
- (4) NO WORK OF ANY MANNER SHALL BE DONE THAT WILL OBSTRUCT THE NATURAL FLOW OF WATER CAUSING A DRAINAGE PROBLEM.
- (5) CONTRACTOR SHALL NOTIFY THE BUILDING INSPECTOR TWENTY-FOUR (24) HOURS IN ADVANCE FOR ALL INSPECTIONS AND SHALL RECEIVE WRITTEN APPROVAL ON INSPECTION CARD BEFORE PROCEEDING WITH SUCCESSIVE PHASES OF THE JOB.

White copy - Building Inspector
Yellow copy - Permittee
Pink copy - Lake County Assessor

Ronald A. Seape
CHIEF BUILDING INSPECTOR

BY SC

THIS PERMIT IS NOT TRANSFERABLE

INSPECTIONS WILL NOT BE MADE UNLESS
THIS CARD IS POSTED ON THE JOB
24 HOURS NOTICE REQUIRED FOR INSPECTIONS

BUILDING PERMIT

Lake County, Colorado

Date Issued 11-12-87 Zoned Area IM Permit No. 00933

AGREEMENT

In consideration of the issuance of this permit, the undersigned hereby agrees to comply with all such laws and regulations in the location; construction and erection of the proposed structure for which this permit is granted, and further agrees that if the above said ordinances are not fully complied with in the location, erection and construction of the above described structure, the permit may then be revoked by notice from the County Building Inspector and THEN AND THERE IT SHALL BECOME NULL AND VOID.

Use MILL CRUSHER Owner LEADVILLE MINING & MILLING CORP
Address P.O. Box 552 - LEADVILLE CO 80461

LEGAL DESCRIPTION:

Sec 28 TS 9 S R 80 W

NOTICE

THIS PERMIT IS NULL AND VOID IF PRE-FABRICATED UNITS ARE NOT INDICATED TO BE PRE-FABRICATED

SEPARATE PERMITS ARE REQUIRED FOR PLUMBING, ELECTRICAL AND HEATING.

N.....S.....E.....W.....

INSPECTORS MUST SIGN ALL SPACES BELOW BEFORE WORK PROCEEDS ON NEXT STEP		RE-INSPECTIONS
Inspector	Date	
Footings		
Rough Elect.		
Framing		
Final Building		
Final Electrical		

THIS PERMIT IS NOT TRANSFERABLE

Leadville, Colorado

Phone 486-1796

DO NOT DESTROY THIS CARD

This card must be returned to the Building Department with all inspections signed before a Certificate of Occupancy is issued.

Structural drawing of a roof truss system. The drawing includes the following details:

- Roof Structure:** A main roof beam labeled "8\" W F 18\"". Above it, a smaller beam is labeled "Roof Purlin Spacing". Below the main beam, a section is labeled "15' 6\" 4x8 12\" Roof Beam".
- Supports and Connections:**
 - At the bottom left, a vertical support is labeled "10\" 2\" 2\" 2x4s".
 - A diagonal brace is labeled "4\" 4x8 12\"".
 - At the bottom right, a vertical support is labeled "10\" 2\" 2\" 2x4s".
- Angles and Dimensions:**
 - Top left corner: 27° .
 - Top right corner: 130° .
 - Bottom left corner: $165^\circ 30'$.
 - Bottom right corner: $16^\circ 42'$.
 - Vertical dimension on the right: $16' 3\"$ diaphragm.
 - Horizontal dimension on the right: $6' 4\"$.
- Elevations:**
 - Top left: Elev. 179.44.
 - Top right: Elev. 197.82 Top of Spine.
 - Bottom right: Floor Elev. 179.44.
- Scale:** $\frac{3}{8}'' = 1'$

 $\frac{3}{8}'' = 1'$

GIVEN: LIVE LOAD SNOW: 80# ON ROOF SLOPES $> 3/12$
 120# ON ROOF SLOPES $< 3/12$

DEAD LOAD: DECKING: 26 GA $1\#/\text{SF}$
 Purlins 14 GA @ 3 FT $1\#/\text{SF}$
 BEAMS 54# @ 40' 1.35 } SAY 5 PSF MAX

CHECK DECK $w = 125\# / l = 3 \text{ FT}$ $/S = 0.035, 113/f = 52 \text{ ksi}$

$$M = \frac{wl^2}{8} = \frac{125(3)^2}{8} = .140 \text{ K.FT.}$$

$$S_{REQD} = \frac{.14(12)}{52} = 0.032$$

OK ←

CHECK PURLINS: $6 \times 2\frac{1}{2} \times 14 \text{ GA}$ $S = 2.1$

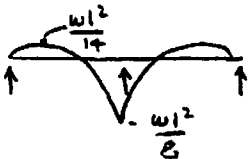
$$w = 125(3) = 375 \text{ K/SF } l = 19 \text{ FT } /S = 1.6 / f_y = 55 \text{ ksi}$$

reduce 80# live load by 24.5% i. $w = 95 + 5$?

$$M_{\text{MID SPAN}} = \frac{wl^2}{14} = \frac{375(19^2)}{14} = 9.7 \text{ K.FT.}$$

$$S_{REQD} = \frac{9.7(12)}{55} = 2.1$$

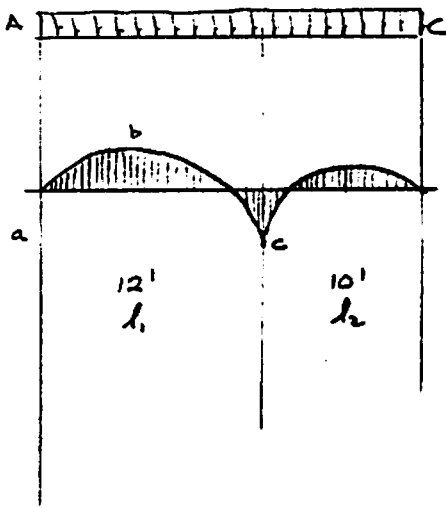
OK ←



CHECK BEAM AT UPPER LEVEL / SLOPE = $1/12$ / $w = 125 / l = 12' \div 10'$
 BEAM IS $W8 \times 18.5$ / $S = 15.5$ / $I = 62$

B

Theorem of 3 Moments



$$M_A \left(\frac{l_1}{I_1} \right) + 2M_B \left(\frac{l_1}{I_1} + \frac{l_2}{I_2} \right) + M_C \left(\frac{l_2}{I_2} \right) = \frac{1}{4} \left(\frac{w_1 l_1^3}{I_1} + \frac{w_2 l_2^3}{I_2} \right)$$

$$M_A = 0 \quad M_C = \text{propped cantilever} = \frac{wl^2}{8} = \frac{2.5(12^2)}{8} = 45 \text{ K'}$$

$$2M_B \left(\frac{144}{62} + \frac{120}{62} \right) + 540 \left(\frac{12}{62} \right) = \frac{1}{4} \left(\frac{0.21(144^3)}{62} + \frac{0.21(120^3)}{62} \right)$$

$$2.32 + 1.94 + 1045 = \frac{1}{4} (10114 + 5853)$$

$$8.52 M_B = 2947$$

$$M_B = 345 \text{ K'}$$

$$S_{REQD} = 16.88$$

WE HAVE 15.5
 = 8.9% OVER STRESS

$$\text{CHECK } \frac{wl^2}{8} = 45 \quad S = 22.5$$

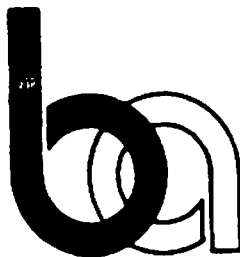
RECHECK: with live load reduction

$$R = 1 - (A - 150) = .16(480 - 150)$$

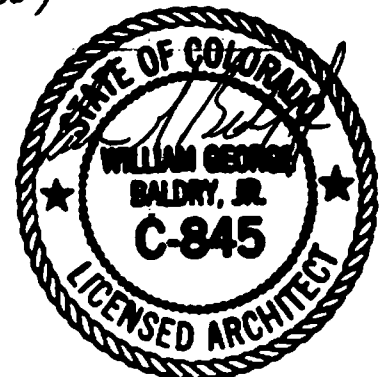
$$= .5280$$

$$R = 23.1 \left(1 + \frac{D}{L} \right) = 24.5 \text{ max}$$

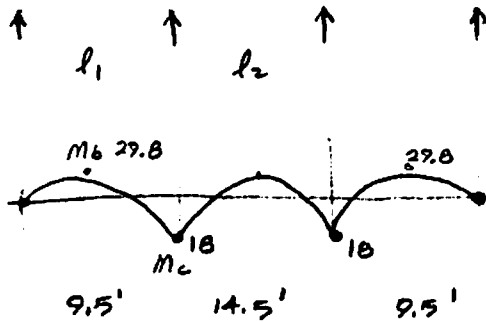
934-5569



baldry associates
 architects/engineers/planners
 47 so. federal blvd
 denver, co. 80219



BEAM @ LOWER LEVEL



$$M_a \left(\frac{l_1}{I_1} \right) + 2M_b \left(\frac{l_1}{I_1} + \frac{l_2}{I_2} \right) + \frac{M_c l_2}{I_2} \\ + \frac{1}{4} \left(\frac{w_1 l_1^3}{I_1} + \frac{w_2 l_2^3}{I_2} \right)$$

$$- 10' : w_1 = w_2 = 1.6 \text{ K/FT}; I_1 = I_2 = 62 \\ = 0.133 \text{ K/IN}$$

$$M_a \left(\frac{114}{62} \right) + 2M_b \left(\frac{114}{62} + \frac{174}{62} \right) + M_c \left(\frac{174}{62} \right) \\ = -\frac{1}{4} \left[\frac{.133(114^3)}{62} + \frac{.133(174^3)}{62} \right]$$

$$\therefore = -\frac{1}{4} (3178 + 11300) = 3919$$

$$\text{if } M_a = 0 : 2M_b (4.64) + M_c (2.81) = 3919$$

$$9.28 M_b + 2.8 M_c = 3919$$

$$M_c (\text{dropped cantilever}) = \frac{w l^2}{8} = 216 \text{ K}$$

$$9.28 M_b = -3919 - 2.8(216) = \\ = +87 \text{ K IN} = 40.6 \text{ K FT}$$

$$S_{REQD} = 20.3 \quad \text{CANT BE}$$

M_c is NEG moment

$$\therefore 9.28 M_b = +3919 - 2.8(216) = \\ M_b = 357 \text{ K IN} = 29.8 \text{ K FT}$$

$$S_{REQD} = 14.8$$

← OK

For middle span

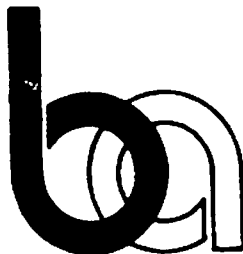
$$18 + 2M_b (4.64) + 18 = -3919$$

$$9.28 M_b = 3487 = 375 \text{ K IN}$$

$$M_b = 375 \text{ K IN} \\ = 31.3 \text{ K FT}$$

$$S_{REQD} = 15.65 \text{ IN}^3$$

← OK

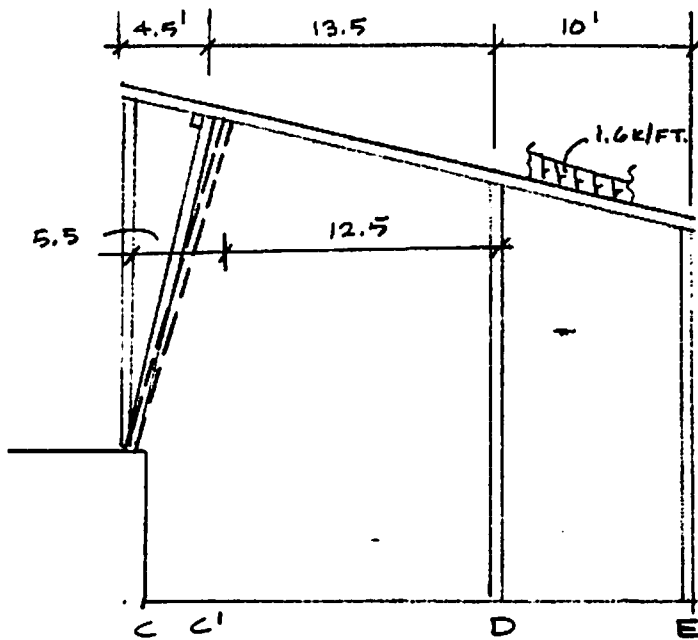


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denver, co. 80219



BEAM AT MIDLEVEL



$$M_a = \frac{w l^2}{8} = \frac{1.6(4.5)^2}{8} = 4.05 K' = 48.6 K''$$

$$M_c = \frac{w l^2}{8} = \frac{1.6(10)^2}{8} = 20 K' = 240 K''$$

$$M_c \frac{l_1}{I_1} + 2M_b \left(\frac{l_1}{I_1} + \frac{l_2}{I_2} \right) + M_c \left(\frac{l_2}{I_2} \right) = \frac{1}{4} \left(\frac{w_1 l_1^3}{I_1} + \frac{w_2 l_2^3}{I_2} \right)$$

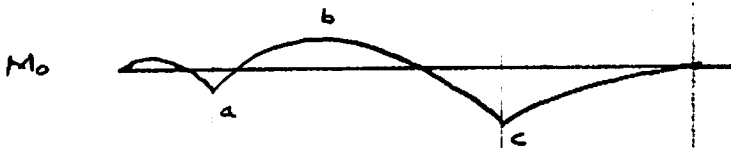
$$48.6 \left(\frac{54}{62} \right) + 2M_b \left(\frac{54}{62} + \frac{162}{62} \right) + 240 \left(\frac{162}{62} \right) = \frac{1}{4} \left(\frac{.13(54^3)}{62} + \frac{.13(162^3)}{62} \right)$$

$$42.3 + 2M_b (.87 + 2.61) + 627 = \frac{330 + 8914}{4}$$

$$2(3.48) M_b = 2980$$

$$= 428 K' = 35.7 K''$$

$$S = 17.8 \text{ IN}^3$$



Reducing live load by 24.5% reduces total w by 20% or -

$$\therefore S \text{ reduced by 20\% also} = 14.27 \text{ IN}^3$$

\therefore OK

IF REDUCTION NOT ALLOWED THEN
MOVE C' TO INTERSECT ROOF BEAM
5'-6" FROM POINT "C"

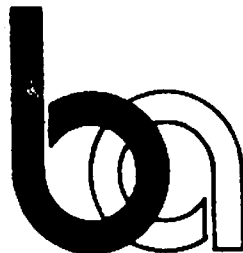
$$72.6 \left(\frac{66}{62} \right) + 2M_b \left(\frac{66}{62} + \frac{150}{62} \right) + 240 \left(\frac{150}{62} \right) = \frac{1}{4} \left(\frac{.13(66^3)}{62} + \frac{.13(150^3)}{62} \right)$$

$$2M_b (3.48) + 77.28 + 580 = \frac{1}{4} (203 + 7076)$$

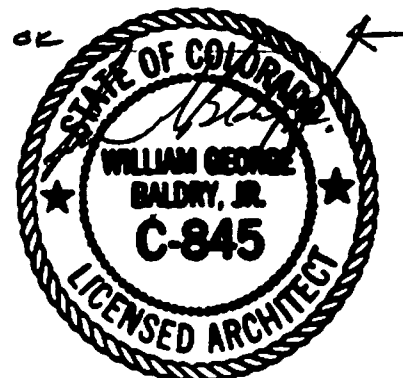
$$6.96 M_b = 1920 + 77 + 580 = 2577$$

$$M_b = 370 K' = 30.85 K''$$

$$S = 15.42 \text{ IN}^3 \text{ OK}$$



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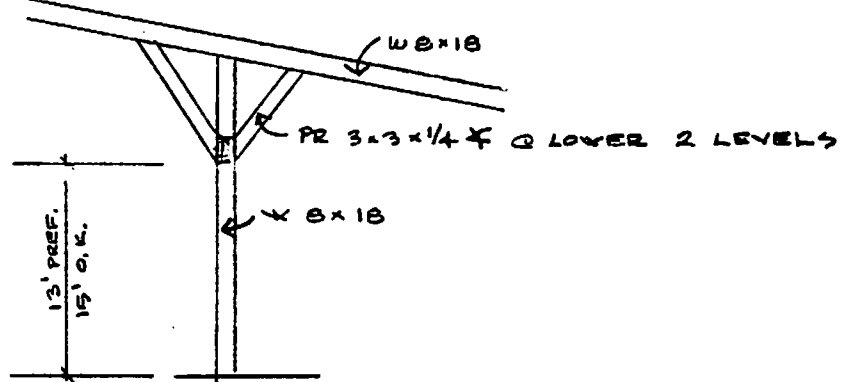


934-5569

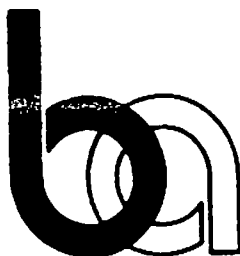
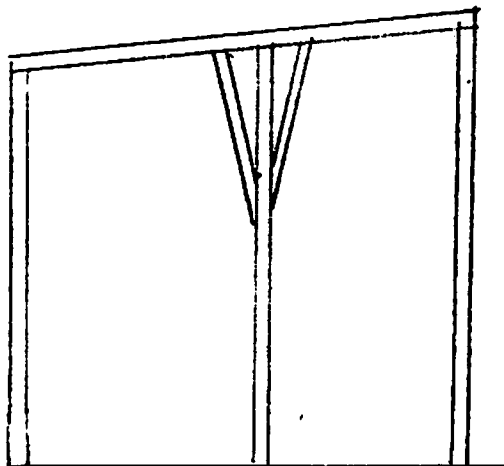
CHECK COLS:

LOCATION	LOAD	LENGTH	
A	6.25	10'	} WELDED TO PRE BIN
B	31.6	12'	
C	21	18'	
C'	15.3	17'	} PER TABLES ALL LOADS OK BUT LENGTHS OVER 15' A PROBLEM PROVIDE BRACING AS REQUIRED
D	20.4	20'	
E	17.0	12'	
F	20.4	14'	
G	20.4	11'	
H	8.5	8'	

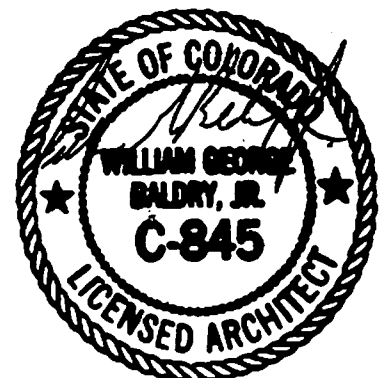
TYPICAL - COL BRACING - COLS # C & D



AT UPPER LEVEL - USE W 8 x 13 TO BRACE COLUMN & TO SHORTEN SPAN



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LAKE COUNTY BUILDING PERMIT APPLICATION

APPLICANT

Name: LEADVILLE MINING & MILLING CORP.
Mail Address: P.O. Box 552
City: LEADVILLE, COLO 80461
Tel. No.: 486-2804 OR 486-3000

CONTRACTOR

Name: _____
Address: _____
City: _____
Tel. No.: _____

ARCHITECT ENGINEER

Name: _____
Address: _____
City: _____
State License No.: _____
Tel. No.: _____

TYPE OF BUILDING

Dwell ☐ Comm ☐ Indust ☒ Other ☐
Brick ☐ Block ☐ Frame ☐ Other STEEL
No. Stories 1 No. Units 1 No. Rooms 1

LEGAL DESCRIPTION

Sec. 28 TS. 9-5 R. 80W
Subdivision _____
Unit _____ Block _____ Lot _____
Lot Size, Width _____ Depth _____ Area _____
Water Service By NONE YET
Approved Septic Permit NONE YET
Job location address 13867 D.S. Hwy #24
IF PERMIT FOR MOBILE HOME - ADDRESS OF CURRENT LOCATION _____

PLANNING AND ZONING INFORMATION

Type of occupancy: INDUSTRIAL - BUILDING ^{MILL CRUSHER}
Total floor area 16' x 18' + 12' x 16' ORE BIN
Bsmt. Area Sq. Ft. _____
Ground Floor Area Sq. Ft. 288 SQ FT + 192
Second Floor Area Sq. Ft. NONE
Garage Area Sq. Ft. _____
Other _____
Total Height: 26'
Front Yard Setback: _____
Side Yard Setback: _____
Rear Yard Setback: _____

PERMIT #

933



DO NOT WRITE IN THIS SPACE

Zoning IM
Approved _____
Disapproved _____
Violation of Article _____
Plan Approved _____
Disapproved _____
Correction _____
Responsible
Engineer _____
Contractor _____
Owner _____
Building Costs \$ 7752.00
Building Permit Fee \$ 68.50

LAKE COUNTY BUILDING INSPECTOR

Donald Sepp
Date of Approval 11-4-87

REQUIRED LAKE COUNTY BUILDING INSPECTIONS

1. Footer and Foundation Inspection: To be made after trenches are excavated and forms erected and when all materials for the foundation are delivered on the job. Where concrete from a central mixing plant (commonly termed "transit mixed") is to be used, materials need not be on the job.
2. Frame Inspection: To be made after the roof, all framing, fire-blocking, and bracing are in place and all pipes, chimneys and all vents are complete. After rough electrical.
3. Lath and/or Wallboard Inspection: To be made after all lathing and/or wallboard, interior and exterior, is in place; But before any plastering is applied or before wallboard joints and fasteners are taped and finished.
4. Final Inspection: To be made after building is completed and ready for occupancy. Final electrical must be done.

Other Inspections: In addition to the required inspections specified above, the Building Official may make or require any other inspections of any construction work to ascertain compliance with the provisions of this Code and other laws which are enforced by the Building Department.

Make a drawing of your site. Indicate the dimensions of the front, side and rear property lines. Specify which property line is front, the name of the frontage road, and indicate which way is north. Also, indicate all pre-existing structures, their use, size and location on the site. Indicate location of proposed new construction. A complete set of blue prints are required with application.

I hereby acknowledge that I have read this application and state that information given is correct and agree not to start this project until this application is approved and permit issued. I understand that I must give a 24 hour notice on all required phases of construction.

Date of Application OCTOBER 15, 1987

APPLICANT'S SIGNATURE Donald H. Nelson

INSPECTIONS WILL NOT BE MADE UNLESS
THIS CARD IS POSTED ON THE JOB
24 HOURS NOTICE REQUIRED FOR INSPECTIONS

BUILDING PERMIT

Lake County, Colorado

Date Issued 11-12-87 Zoned Area IM Permit No. _____

AGREEMENT

In consideration of the issuance of this permit, the undersigned hereby agrees to comply with all such laws and regulations in the location; construction and erection of the proposed structure for which this permit is granted, and further agrees that if the above said ordinances are not fully complied with in the location, erection and construction of the above described structure, the permit may then be revoked by notice from the County Building Inspector and THEN AND THERE IT SHALL BECOME NULL AND VOID.

Use Mill CRUICK Owner LEADVILLE MINING & MINING CORP

Address P.O. Box 552 - LEADVILLE CO 80461

LEGAL DESCRIPTION:

Sec 28 T5 S R80 W

NOTICE

THIS PERMIT IS VALID AND VOID OF ALL OTHER PERMITS
ALL PERMITS ARE VALIDATED TO BE VALID
APPROVED

SEPARATE PERMITS ARE REQUIRED FOR PLUMBING
ELECTRICAL AND MECHANICAL

N.....S.....E.....W.....

INSPECTORS MUST SIGN ALL SPACES BELOW BEFORE WORK PROCEEDS ON NEXT STEP		RE-INSPECTIONS
Inspector	Date	
Footings		
Rough Elect.		
Framing	OK DS 8-8-90	
Final Building	OK DS 8-8-90	
Final Electrical		

THIS PERMIT IS NOT TRANSFERABLE

Leadville, Colorado

Phone 486-1796

DO NOT DESTROY THIS CARD

This card must be returned to the Building Inspector at the time of the final inspection.



The Leadville Mill

M1990-057
EXHIBIT F – OTHER PERMITS & LICENSES
Page 7-27

APPENDIX 7-5
LAKE COUNTY
- CERTIFICATE OF OCCUPANCY

CERTIFICATE OF OCCUPANCY

Issued Without Fee

LAKE COUNTY
Lake County Courthouse
Leadville, Colorado 80461

Permit Number 933

Date October 5, 1990

This certificate verifies that the building constructed under above permit number and on property described below, does comply with the Lake County Building Code.

CONTRACTOR _____

PROPERTY ADDRESS ¹³⁸¹⁵
~~13867~~ U. S. Highway #24

LEGAL DESCRIPTION: _____

SEc. 28, TS.9S., R.80W.

FOR THE FOLLOWING PURPOSE: Mill Crusher

OWNER Leadville Mining & Milling Corp ADDRESS P. O. Box 552 - Leadville, CO 80461

No change shall be made in the use of this building without prior notice and certificate form the Chief Building Inspector.

Chief Building Inspector Don Sypp

By: _____, Deputy

CERTIFICATE OF OCCUPANCY

Issued Without Fee

LAKE COUNTY
Lake County Courthouse
Leadville, Colorado 80461

Permit Number 936
Date November 9, 1990

This certificate verifies that the building constructed under above permit number and on property described below, does comply with the Lake County Building Code.

CONTRACTOR _____

PROPERTY ADDRESS 13815 ~~13867~~ U. S. Highway 24

LEGAL DESCRIPTION:

Sec. 28, TS.9S., R.80W.

FOR THE FOLLOWING PURPOSE: Flotation & Gravity Mill

OWNER Leadville Mining & Milling Corp ADDRESS P. O. Box 552 - Leadville, CO 80461

No change shall be made in the use of this building without
prior notice and certificate from the Chief Building Inspector.

Chief Building Inspector

By: _____, Deputy



The Leadville Mill

M1990-057
EXHIBIT F – OTHER PERMITS & LICENSES
Page 7-30

APPENDIX 7-6
CO DEPT. OF PUBLIC HEALTH & ENVIRONMENT
- AIR POLLUTION EMISSION NOTICE (APEN)

STATE OF COLORADO

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
AIR POLLUTION CONTROL DIVISION
TELEPHONE: (303) 692-3150



CONSTRUCTION PERMIT

PERMIT NO: 11LK1369F

INITIAL APPROVAL

DATE ISSUED: SEP 07 2011

ISSUED TO: Union Milling Company, LLC

THE SOURCE TO WHICH THIS PERMIT APPLIES IS DESCRIBED AND LOCATED AS FOLLOWS:

Truck haul, stockpiling and yard operations for a Gold, Silver, Lead, Zinc and Copper mill operated by Union Milling Company, LLC, located at 13815 Highway 24 (2 Miles Southwest of Leadville), Lake County, Colorado.

THE SPECIFIC EQUIPMENT OR ACTIVITY SUBJECT TO THIS PERMIT INCLUDES THE FOLLOWING:

AIRS ID 002: Run of Mine (ROM) ore haulage, stockpiling transfer, concentrate haulage.

AIRS ID 003: Surface disturbance associated with tailings storage, mill operations, topsoil and overburden stockpiles, ROM Stockpiles and access/haul roads.

THIS PERMIT IS GRANTED SUBJECT TO ALL RULES AND REGULATIONS OF THE COLORADO AIR QUALITY CONTROL COMMISSION AND THE COLORADO AIR POLLUTION PREVENTION AND CONTROL ACT C.R.S. (25-7-101 et seq), TO THOSE GENERAL TERMS AND CONDITIONS INCLUDED IN THIS DOCUMENT AND THE FOLLOWING SPECIFIC TERMS AND CONDITIONS:

REQUIREMENTS TO SELF-CERTIFY FOR FINAL APPROVAL

1. **YOU MUST notify the Air Pollution Control Division (the Division) no later than fifteen days after commencement of the permitted operation or activity by submitting a Notice of Startup form to the Division.** The Notice of Startup form may be downloaded online at www.cdphe.state.co.us/ap/downloadforms.html. Failure to notify the Division of startup of the permitted source is a violation of Air Quality Control Commission (AQCC) Regulation No. 3, Part B, Section III.G.1 and can result in the revocation of the permit.
2. Within one hundred and eighty days (180) after commencement of operation, compliance with the conditions contained on this permit shall be demonstrated to the Division. It is the permittee's responsibility to self certify compliance with the conditions. Failure to demonstrate compliance within 180 days may result in revocation of the permit or enforcement action by the Division. Information on how to certify compliance was mailed with the permit or can be obtained from the Division. (Reference: Regulation No. 3, Part B, II.G.2)

Union Milling Company, LLC
Permit No. 11LK1369F
Initial Approval

3. This permit shall expire if the owner or operator of the source for which this permit was issued: (i) does not commence construction/modification or operation of this source within 18 months after either, the date of issuance of this construction permit or the date on which such construction or activity was scheduled to commence as set forth in the permit application associated with this permit; (ii) discontinues construction for a period of eighteen months or more; (iii) does not complete construction within a reasonable time of the estimated completion date. The Division may grant extensions of the deadline per Regulation No. 3, Part B, III.F.4.b. (Reference: Regulation No. 3, Part B, III.F.4.)
4. Within one hundred and eighty days (180) after commencement of operation, the permit number and/or AIRS ID number shall be identified on a sign or placard located at an observable location. (Reference: Regulation No. 3, Part B, III.E.) (State only enforceable)

Emission Limitations and Records

5. Emissions of air pollutants shall not exceed the following limitations (as calculated using the emission factors included in the Notes to Permit Holder section of this permit). Annual records of the actual emission rates shall be maintained by the applicant and made available to the Division for inspection upon request. (Reference: Regulation No. 3, Part B, Section II.A.4)

Fugitive Particulate Matter:	14.1 tons per year
Fugitive Particulate Matter < 10 µm (PM10):	1.6 tons per year.
Fugitive Particulate Matter < 2.5 µm (PM2.5):	0.2 tons per year.

Note: Compliance with these fugitive emission limits shall be demonstrated by not exceeding the production limits and by operating the controls described in the application to obtain the estimated control efficiencies.

PROCESS LIMITATIONS AND RECORDS

6. This source shall be limited to a maximum waste rock production rate as listed below and all other activities, operational rates and numbers of equipment as stated in the application. Annual records of the actual production rates shall be maintained by the applicant and made available to the Division for inspection upon request. (Reference: Regulation No. 3, Part B, Section II.A.4.)

Waste rock production shall not exceed **56,000** tons per year.

STATE AND FEDERAL REGULATORY REQUIREMENTS

7. Visible emissions shall not exceed twenty percent (20%) opacity during normal operation of the source. During periods of startup, process modification, or adjustment of control equipment visible emissions shall not exceed 30% opacity for more than six minutes in any sixty consecutive minutes. (Reference: Regulation No. 1, Section II.A.1. & 4.)
8. This source is subject to the New Source Performance Standards requirements of Regulation No. 6, Part A, Subpart LL - Standards of Performance for Metallic Mineral Processing Plants including, but not limited to, the following:

Union Milling Company, LLC
Permit No. 11LK1369F
Initial Approval

§ 60.380 Applicability and designation of affected facility.

§ 60.382 Standard for particulate matter

- a. No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from an affected facility any stack emissions that contain particulate matter in excess of 0.05 grams per dry standard cubic meter and exhibit greater than 7 percent opacity. In addition, the following requirements of Regulation No. 6, Part A, Subpart A, General Provisions, apply.
- b. No owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from an affected facility any process fugitive emissions that exhibit greater than 10 percent opacity.

§ 60.383 Reconstruction

§ 60.385 Recordkeeping and reporting requirements

§ 60.386 Test methods and procedures

In addition, the following requirements of Regulation No. 6, Part A, Subpart A, General Provisions, apply.

- a. No article, machine, equipment or process shall be used to conceal an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (§ 60.12)
 - b. Written notification of construction and initial startup dates shall be submitted to the Division as required under § 60.7.
 - c. Records of startups, shutdowns, and malfunctions shall be maintained, as required under § 60.7.
 - d. Compliance with opacity standards shall be demonstrated according to § 60.11.
9. At all times, including periods of start-up, shutdown, and malfunction, the facility and control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practices for minimizing emissions. Determination of whether or not acceptable operating and maintenance procedures are being used will be based on information available to the Division, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. (Reference: Regulation 6, Part A. General Provisions from 40CFR60.11)

Union Milling Company, LLC
Permit No. 11LK1369F
Initial Approval

ADDITIONAL REQUIREMENTS

10. The particulate emission control measures listed on the attached page (as approved by the Division) shall be applied to the particulate emission producing sources as required by Regulation No. 1, Section III.D.1.b.
11. A revised Air Pollutant Emission Notice (APEN) shall be filed: (Reference: Regulation No. 3, Part A, II.C)
 - a. Annually whenever a significant increase in emissions occurs as follows:
For any criteria pollutant:
For sources emitting **less than 100 tons per year of a criteria pollutant**, a change in annual actual emissions of five (5) tons per year or more, above the level reported on the last APEN; or
For any non-criteria reportable pollutant:
If the emissions increase by 50% or five (5) tons per year, whichever is less, above the level reported on the last APEN submitted to the Division.
 - b. Whenever there is a change in the owner or operator of any facility, process, or activity; or
 - c. Whenever new control equipment is installed, or whenever a different type of control equipment replaces an existing type of control equipment; or
 - d. Whenever a permit limitation must be modified; or
 - e. No later than 30 days before the existing APEN expires.

GENERAL TERMS AND CONDITIONS:

12. This permit and any attachments must be retained and made available for inspection upon request. The permit may be reissued to a new owner by the Division as provided in Regulation No. 3, Part B, Section II.B upon a request for transfer of ownership and the submittal of a revised APEN and the required fee.
13. If this permit specifically states that final approval has been granted, then the remainder of this condition is not applicable. Otherwise, the issuance of this construction permit does not provide "final" authority for this activity or operation of this source. Final approval of the permit must be secured from the Division in writing in accordance with the provisions of 25-7-114.5(12)(a) C.R.S. and Regulation No. 3, Part B, Section III.G. Final approval cannot be granted until the operation or activity commences and has been verified by the Division as conforming in all respects with the conditions of the permit. Once self-certification of all points has been reviewed and approved by the Division, it will provide written documentation of such final approval. **Details for obtaining final approval to operate are located in the Requirements to Self-Certify for Final Approval section of this permit.**
14. This permit is issued in reliance upon the accuracy and completeness of information supplied by the applicant and is conditioned upon conduct of the activity, or construction, installation and operation of the source, in accordance with this information and with representations made by the applicant or applicant's agents. It is valid only for the equipment and operations or activity specifically identified on the permit.

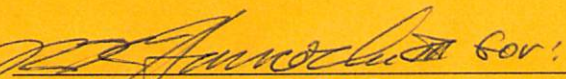
Union Milling Company, LLC

Permit No. 11LK1369F

Initial Approval

15. Unless specifically stated otherwise, the general and specific conditions contained in this permit have been determined by the Division to be necessary to assure compliance with the provisions of Section 25-7-114.5(7)(a), C.R.S.
16. Each and every condition of this permit is a material part hereof and is not severable. Any challenge to or appeal of a condition hereof shall constitute a rejection of the entire permit and upon such occurrence, this permit shall be deemed denied *ab initio*. This permit may be revoked at any time prior to self-certification and final authorization by the Division on grounds set forth in the Colorado Air Quality Prevention and Control Act and regulations of the AQCC including failure to meet any express term or condition of the permit. If the Division denies a permit, conditions imposed upon a permit are contested by the applicant, or if the Division revokes a permit, the applicant or owner or operator of a source may request a hearing before the AQCC for review of the Division's action.
17. Section 25-7-114.7(2)(a), C.R.S. requires that all sources required to file an Air Pollution Emission Notice (APEN) must **pay an annual fee** to cover the costs of inspections and administration. If a source or activity is to be discontinued, the owner must notify the Division in writing requesting a cancellation of the permit. Upon notification, annual fee billing will terminate.
18. Violation of the terms of a permit or of the provisions of the Colorado Air Pollution Prevention and Control Act or the regulations of the AQCC may result in administrative, civil and/or criminal enforcement actions under Sections 25-7-115 (enforcement), -121 (injunctions), -122 (civil penalties), -122.1 (criminal penalties), C.R.S.

By:


Charles N. Pray, P.E.-P.L.S.
Permit Engineer

By:


R K Hancock III, P.E.
Construction Permits Unit Supervisor

Permit History

Issuance	Date	Description
Initial Approval	This Issuance	Issued to Union Milling Company, LLC.

page 6

Union Milling Company, LLC

Permit No. 11LK1369F

Initial Approval

Notes to permit holder:

1. The production or raw material processing limits and emission limits contained in this permit are based on the production/processing rates requested in the permit application. These limits may be revised upon request of the permittee providing there is no exceedance of any specific emission control regulation or any ambient air quality standard. A revised air pollution emission notice (APEN) and application form must be submitted with a request for a permit revision.
2. This source is subject to the Common Provisions Regulation Part II, Subpart E, Affirmative Defense Provision for Excess Emissions During Malfunctions. The permittee shall notify the Division of any malfunction condition which causes a violation of any emission limit or limits stated in this permit as soon as possible, but no later than noon of the next working day, followed by written notice to the Division addressing all of the criteria set forth in Part II.E.1. of the Common Provisions Regulation. See: <http://www.cdphe.state.co.us/regulations/airregs/5CCR1001-2.pdf>.
3. This source is classified as a: Minor source
4. In accordance with C.R.S. 25-7-114.1, the Air Pollutant Emission Notices (APENs) associated with this permit are valid for a term of five years. As of the issuance of this permit, the five-year term for these APENs expires per the table below. A revised APEN shall be submitted no later than 30 days before the five-year term expires.

AIRS Point	Date of Expiration
002	February 16, 2016
AIRS Point	Date of Expiration
003	February 16, 2016

Union Milling Company, LLC
Permit No. 11LK1369F
Initial Approval

5. The emission levels contained in this permit are based on AP-42 emission factors and equations:

Emissions from vehicle travel on site (AP-42, Ch. 13.2.2, Equation 1.a:

Total Vehicle Miles Travelled/Day (VMT/D) = 4.8.

PM Emissions per VMT/D = 28 lbs

PM10 Emissions per VMT/ D = 7.4 lbs

PM2.5 Emissions per VMT/D = 1.1 lbs

Emissions from Stockpiles and Front End Loader (FEL) operations on site are based on AP-42, Ch. 11.9, Western Surface Mines:

Stockpile wind erosion (56,000 tpy):

PM Emissions per day = 1.8 lbs

PM10 Emissions per day = 0.9 lbs

PM2.5 Emissions per day = Not determined

FEL operations:

PM Emissions per ton = 0.07 lbs

PM10 Emissions per ton = 0.1 lbs

PM2.5 Emissions per VMT/D = 0.001 lbs

NOTE: Emissions from tailings are fully wet.

Union Milling Company, LLC
Permit No. 11LK1369F
Initial Approval

PARTICULATE EMISSIONS CONTROL PLAN FOR MINING AND PROCESSING ACTIVITIES

THE FOLLOWING PARTICULATE EMISSIONS CONTROL MEASURES SHALL BE USED FOR COMPLIANCE PURPOSES ON THE ACTIVITIES COVERED BY THIS PERMIT, AS REQUIRED BY THE AIR QUALITY CONTROL COMMISSION REGULATION NO.1, SECTION III.D.1.b. THIS SOURCE IS SUBJECT TO THE FOLLOWING EMISSION GUIDELINES:

- a. **Mining and Processing Activities** - Visible emissions not to exceed 20%, no off-property transport of visible emissions.
- b. **Haul Roads** - No off-property transport of visible emissions shall apply to on-site haul roads, the nuisance guidelines shall apply to off-site haul roads.
- c. **Haul Trucks** - There shall be no off-property transport of visible emissions from haul trucks when operating on the property of the owner or operator. There shall be no off-vehicle transport of visible emissions from the material in the haul trucks when operating off of the property of the owner or operator.

Control Measures

1. Topsoil and overburden stockpiles shall be compacted. Topsoil and overburden stockpiles shall be revegetated within one (1) year of buildout.
2. Emissions from the disturbed area, including haulroads, shall be controlled by watering at all times unless natural moisture is sufficient to control emissions. Gravel shall be placed on disturbed areas and haul roads.



APPENDIX 7-7
CO DEPT. OF PUBLIC HEALTH & ENVIRONMENT
- STORMWATER PERMIT APPLICATION

STATE OF COLORADO

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Dedicated to protecting and improving the health and environment of the people of Colorado

Water Quality Control Division

4300 Cherry Creek Drive South

WQCD-WQPS-B2

Denver, CO 80246-1530

(303) 692-3500

www.coloradowaterpermits.com



For Agency Use Only

Permit Number Assigned

COR03-_____

Date Received ____/____/____
MM DD YYYY

COLORADO DISCHARGE PERMIT SYSTEM (CDPS)

STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES APPLICATION

PHOTO COPIES, FAXED COPIES, PDF COPIES OR EMAILS WILL NOT BE ACCEPTED.

Please print or type. Original signatures are required.

All items must be completed accurately and in their entirety for the application to be deemed complete. Incomplete applications will not be processed until all information is received which will ultimately delay the issuance of a permit. If more space is required to answer any question, please attach additional sheets to the application form. Applications must be submitted by mail or hand delivered to:

Colorado Department of Public Health and Environment

Water Quality Control Division

4300 Cherry Creek Drive South

WQCD-WQPS-B2

Denver, CO 80246-1530

Any additional information that you would like the Division to consider in developing the permit should be provided with the application. Examples include effluent data and/or modeling and planned pollutant removal strategies.

HOW TO COMPLETE THIS APPLICATION

1. Online via web browser. You must use Internet Explorer (version 8 and above). All other browsers disable the electronic submission features.

OR

2. Download and save this form to your computer. Then open Adobe Reader (or Acrobat), select File, then Open and navigate to where the form is saved. This is the best option if using a Mac computer (Do not use the Mac Preview program).

PERMIT INFORMATION

Reason for Application: ☐ NEW CERT ☐ RENEW CERT EXISTING CERT# _____

Applicant is: ☐ Property Owner ☐ Contractor/Operator

A. CONTACT INFORMATION—NOT ALL CONTACTS MAY APPLY *indicates required

* PERMITTEE (if more than one please add additional pages)

* ORGANIZATION FORMAL NAME: _____

1) * PERMITTEE CONTACT the person **authorized to sign and certify** the permit application.

This person receives all permit correspondences and is the person **responsible** for ensuring compliance with the permit.

Responsible Person (Title): _____

Currently Held By (Person): FirstName: _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

This form must be signed by the Permittee (listed in item 1) to be considered complete.

Per Regulation 61 In all cases, it shall be signed as follows:

In the case of corporations, by a responsible corporate officer. For the purposes of this section, the responsible corporate officer is responsible for the overall operation of the facility from which the discharge described in the application originates.

In the case of a partnership, by a general partner.

In the case of a sole proprietorship, by the proprietor.

In the case of a municipal, state, or other public facility, by either a principal executive officer or ranking elected official.

- 2) **DMR COGNIZANT OFFICIAL (i.e. authorized agent)** the person or position authorized to **sign and certify reports required by the Division** including Discharge Monitoring Reports *DMR's, Annual Reports, Compliance Schedule submittals, and other information requested by the Division. The Division will transmit pre-printed reports (ie. DMR's) to this person. If more than one, please add additional pages.

☐ Same as 1) Permittee

Responsible Person (Title): _____

Currently Held By (Person): FirstName: _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Per Regulation 61 : All reports required by permits, and other information requested by the Division shall be signed by the permittee or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- i. The authorization is made in writing by the permittee.
- ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a **named individual** or any individual occupying a **named position**); and
- iii. The written authorization is submitted to the Division.

- 3) ***SITE CONTACT** local contact for questions relating to the facility & discharge authorized by this permit

☐ Same as 1) Permittee

Responsible Person (Title): _____

Currently Held By (Person): FirstName: _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

- 4) ***BILLING CONTACT** if different than the permittee.

☐ Same as 1) Permittee

Responsible Person (Title): _____

Currently Held By (Person): FirstName: _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

5) OTHER CONTACT TYPES (check below) Add pages if necessary:

Responsible Person (Title): _____

Currently Held By (Person): _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

☐ Pretreatment Coordinator

☐ Property Owner

☐ Compliance Contact

☐ Environmental Contact

☐ Inspection Facility Contact

☐ Stormwater MS4 Responsible Person

☐ Biosolids Responsible Party

☐ Consultant

☐ Stormwater Authorized Representative

☐ Other: _____

B) PERMITTED PROJECT/FACILITY INFORMATION

Project/Facility Name _____

Street Address or Cross Streets _____

(e.g., "S. of Park St. between 5th Ave. and 10th Ave.", or "W. side of C.R. 21, 3.25 miles N. of Hwy 10"; A street name without an address, intersection, mile marker, or other identifying information describing the location of the project is not adequate. For **linear projects**, the route of the project should be described as best as possible with the location more accurately indicated by a map.)

City: _____ Zip Code: _____ County: _____

Facility Latitude/Longitude - (approximate center of site to nearest 15 seconds using one of the following formats)

☐ Decimal Degrees

OR 001A Latitude _____ . _____ 001A Longitude _____ . _____ (e.g., 39.703°, 104.933°)
Degrees (to 3 decimal places) Degrees (to 3 decimal places)

☐ Degrees, Minutes, Seconds

001A Latitude _____ ° _____ ' _____ " 001A Longitude _____ ° _____ ' _____ " e.g., 39°46'11"N, 104°53'11"W
Degrees Minutes Seconds Degrees Minutes Seconds

For the approximate center point of the property, to the nearest 15 seconds. The latitude and longitude must be provided as either degrees, minutes, and seconds, or in decimal degrees with three decimal places. This information may be obtained from a variety of sources, including:

- **Surveyors or engineers** for the project should have, or be able to calculate, this information.
- EPA maintains a **web-based siting tool** as part of their Toxic Release Inventory program that uses interactive maps and aerial photography to help users get latitude and longitude. The siting tool can be accessed at www.epa.gov/tri/report/siting_tool/index.htm
- **U.S. Geological Survey topographical map(s)**, available at area map stores.
- Using a **Global Positioning System (GPS) unit** to obtain a direct reading.

Note: the latitude/longitude required above is not the directional degrees, minutes, and seconds provided on a site legal description to define property boundaries.

C) MAP (Attachment) If no map is submitted, the permit will not be issued Facility Information

Map: Attach a map that indicates the site location and that CLEARLY shows the boundaries of the area that will be disturbed. Maps must be **no larger** than 11x17 inches.

D) LEGAL DESCRIPTION

Legal description: If subdivided, provide the legal description below, or indicate that it is not applicable (**do not** supply Township/Range/Section or metes and bounds description of site)

Subdivision(s): _____ Lot(s): _____ Block(s) _____

OR ☐ Not applicable (site has not been subdivided)

E) AREA OF CONSTRUCTION SITE

Total area of project site (Acres) _____ Area of project site to undergo disturbance (Acres) _____

Note: aside from clearing, grading and excavation activities, disturbed areas also include areas receiving overburden (e.g., stockpiles), demolition areas, and areas with heavy equipment/vehicle traffic and storage that disturb existing vegetative cover

Total disturbed area of Larger Common Plan of Development or Sale. If applicable: _____

(i.e., total, including all phases, filings, lots, and infrastructure not covered by this application)

Provide both the total area of the construction site, and the area that will undergo disturbance, in acres. **Note:** aside from clearing, grading and excavation activities, disturbed areas also include areas receiving overburden (e.g., stockpiles), demolition areas, and areas with heavy equipment/vehicle traffic and storage that disturb existing vegetative cover (see construction activity description under the APPLICABILITY section on page 1). If the project is part of a **larger common plan of development or sale** (see the definition under the APPLICABILITY section on page 1), the disturbed area of the total plan must also be included.

F) NATURE OF CONSTRUCTION ACTIVITY

Check the appropriate box(s) or provide a brief description that indicates the general nature of the construction activities. (The full description of activities must be included in the Stormwater Management Plan.)

- ☐ Single Family Residential Development
- ☐ Multi-Family Residential Development
- ☐ Commercial Development
- ☐ Oil and Gas Production and/or Exploration (including pad sites and associated infrastructure)
- ☐ Highway/Road Development (not including roadways associated with commercial or residential development)
- ☐ Other—Description: _____

G) ANTICIPATED CONSTRUCTION SCHEDULE

Construction Start Date: _____ Final Stabilization Date: _____

- **Construction Start Date** - This is the day you expect to begin ground disturbing activities, including grubbing, stockpiling, excavating, demolition, and grading activities.
- **Final Stabilization Date** - in terms of permit coverage, this is when the site is finally stabilized. This means that all ground surface disturbing activities at the site have been completed, and all disturbed areas have been either built on, paved, or a uniform vegetative cover has been established with an individual plant density of at least 70 percent of pre-disturbance levels. **Permit coverage must be maintained until the site is finally stabilized. Even if you are only doing one part of the project, the estimated final stabilization date must be for the overall project.** If permit coverage is still required once your part is completed, the permit certification may be transferred or reassigned to a new responsible entity(s).

H) RECEIVING WATERS (If discharge is to a ditch or storm sewer, include the name of the ultimate receiving waters)

Immediate Receiving Water(s): _____

Ultimate Receiving Water(s): _____

Identify the receiving water of the stormwater from your site. Receiving waters are any waters of the State of Colorado. This includes all water courses, even if they are usually dry. If stormwater from the construction site enters a ditch or storm sewer system, identify that system and indicate the ultimate receiving water for the ditch or storm sewer. **Note:** a stormwater discharge permit does not allow a discharge into a ditch or storm sewer system without the approval of the owner/operator of that system.

I) SIGNATURE PAGE

1. You may print and sign this document and mail the hard copy to the State along with required documents.

OR

2. **Electronic Submission Signature**

You may choose to submit your application electronically, along with required attachments. To do so, click the SUBMIT button below which will direct you, via e-mail, to sign the document electronically using the DocuSign Electronic Signature process. Once complete, you will receive, again via e-mail, an electronically stamped Adobe pdf of this application. Print the signature page from the electronically stamped pdf, sign it and mail it to the WQCD Permits Section to complete the application process (address is on page 1 of the application).

- **The Division encourages use of the electronic submission of the application and electronic signature. This method meets signature requirements as required by the State of Colorado.**
- **The ink signed copy of the electronically stamped pdf signature page is also required. This requirement meets Federal EPA Requirements.**

Processing of the application will begin with the receipt of the valid electronic signature.

☐ **STORMWATER MANAGEMENT PLAN CERTIFICATION**

"I certify under penalty of law that a complete Stormwater Management Plan, as described in Appendix B of this application, has been prepared for my activity. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the Stormwater Management Plan is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for falsely certifying the completion of said SWMP, including the possibility of fine and imprisonment for knowing violations."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

"I understand that submittal of this application is for coverage under the State of Colorado General Permit for Stormwater Discharges Associated with Construction Activity **for the entirety of the construction site/project described and applied for, until such time as the application is amended or the certification is transferred, inactivated, or expired.**" [Reg 61.4(1)(h)]

For DocuSign
Electronic Signature _____ Ink Signature _____ Date: _____
Signature of Legally Responsible Person or Authorized Agent (submission must include original signature)

Name (printed)

Title

This form must be signed by the Permittee to be considered complete. **Per Regulation 61** In all cases, it shall be signed as follows:

- In the case of corporations, by a responsible corporate officer. For the purposes of this section, the responsible corporate officer is responsible for the over all operation of the facility from which the discharge described in the application originates.
- In the case of a partnership, by a general partner.
- In the case of a sole proprietorship, by the proprietor.
- In the case of a municipal, state, or other public facility, by either a principal executive officer or ranking elected official

3rd Party Preparer: If this form was prepared by an authorized agent on behalf of the Permittee, please complete the fields below.

Preparer Name (printed)

Email Address

**DO NOT INCLUDE A COPY OF THE STORMWATER MANAGEMENT PLAN
DO NOT INCLUDE PAYMENT—AN INVOICE WILL BE SENT AFTER THE CERTIFICATION IS ISSUED.**



The Leadville Mill

M1990-057
EXHIBIT F – OTHER PERMITS & LICENSES
Page 7-46

APPENDIX 7-8

COLORADO DEPARTMENT OF WILDLIFE CONSULTATION

STATE OF COLORADO

John W. Hickenlooper, Governor
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE

AN EQUAL OPPORTUNITY EMPLOYER

Thomas E. Remington, Director
6060 Broadway
Denver, Colorado 80216
Telephone: (303) 297-1192
wildlife.state.co.us



*For Wildlife-
For People*

July 1, 2011

Tom Taylor
Director of Building and Land Use
PO Box 513
Leadville, CO 80461

RE: Leadville Mill Conditional Use Permit, File Number 11-07

Dear Mr. Taylor

A review of the application document indicates that much of the mill site structures and roads presently exist and additional proposed structures conform with the present arrangement of the site. Therefore, much of the impact to wildlife from the occupation and fragmentation of habitat by infrastructure and has already occurred. The operation of the mill may add slightly to disruption of deer and elk due to more vehicle traffic.

The original Conditional Use Permit required that the project site be fenced. The Project Description states that the entire property is fenced with a five strand barbed wire fence. Such a fence neither prevents entry to the property by humans or deer and elk. It is much more likely to entrap deer and elk than exclude them. Any property boundary fence should either be sufficient to completely exclude big game animals (and therefore humans) or benign enough to allow big game to pass without potential for entrapment. Vegetative reclamation efforts on the property should be a priority and should actually be well accomplished, monitored, evaluated and followed up with any additional efforts that evaluation may identify to be necessary.

Sincerely,

James L. Aragon
Area Wildlife Manager
7405 Highway 50
Salida, CO 81201

Holly Michael <hmichael@unionmilling.com>

Fencing guidelines

Aragon, Jim <Jim.Aragon@state.co.us>

Tue, Jul 17, 2012 at 7:03 PM

To: hmichael@unionmilling.comCc: "Martin, Tom" <Tom.Martin@state.co.us>

Hello Holly,

Below are recommendations that Colorado Parks and Wildlife give for wildlife friendly fences:

Maximum wire height of 42 inches on a four strand fence. If using four strands, the bottom strand or strand closest to the ground should be 16-18 inches above ground level. The second strand from the ground should be 22 inches above the ground, the third wire from the ground should be 28 inches from the ground and the top wire should be a maximum of 42 inches from the ground. It would look something like below.

_____ top wire 40-42" above ground level

_____ 2nd wire from top 28" above ground level

_____ 3rd wire from top 22" above ground level

_____ 4th wire from top 16-18" above ground level

_____ GROUND LEVEL

Hope this helps. If you have further questions, please contact me or DWM Tom Martin at [719-539-8415](tel:719-539-8415).

Jim Aragon

Area Wildlife Manager

Salida Office

[719-530-5522](tel:719-530-5522)



The Leadville Mill

APPENDIX 7-9
STATE HISTORIC PRESERVATION OFFICE
- CONSULTATION

Colorado Cultural Resource Survey
Management Data Form
(page 1 of 4)

Complete this form for each resource in addition to other
appropriate forms--see Manual for information

#36 MAPPED

EMG

A
B

1. State Site Number 5LK892 2. Temporary Site Number _____
3. Attachments (check as many as apply)
- | | |
|---|---|
| <input type="checkbox"/> Prehistoric Archaeological | <input checked="" type="checkbox"/> Determined Eligible (AIC) - 4/29/96 |
| <input type="checkbox"/> Historical Archaeological Component | <input type="checkbox"/> Determined Not Eligible |
| <input checked="" type="checkbox"/> Historical Architectural Record/Building Form | <input type="checkbox"/> Nominated |
| <input checked="" type="checkbox"/> Sketch/Instrument Map (required) | <input type="checkbox"/> Listed |
| <input checked="" type="checkbox"/> U.S.G.S. Map Photocopy (required) | <input type="checkbox"/> Need Data |
| <input checked="" type="checkbox"/> Photograph(s) | <input type="checkbox"/> Contributing to NR Dist. |
| <input type="checkbox"/> Other, specify _____ | <input type="checkbox"/> Not Contributing to NR Dist. |

I. IDENTIFICATION

5. Resource Name Arkansas Valley Smelter
6. Project Name/Number Selected Smelter Sites, OU5
7. Government Involvement: Local ☐ State ☐ Federal ☒
Agency EPA
8. Site Categories: Check as many as apply
- Prehistoric: archaeological site ☐ paleontological site ☐
in an existing National Register District? yes ☐ no ☐ name _____
- Historic: archaeological site ☐ building(s) ☒ structure(s) ☒ object(s) ☒
in an existing National Register District? yes ☒ no ☐ name Leadville Mining District (5LK856)
9. Owner/Owner/s Address Private
10. Boundary Description and Justification Extent of slag and known associated features

11. Site Dimensions 1295 E-W m 800 N-S m Area 1,036,000 m² ($\div 4047$) 201 acres
Area was calculated as Length x Width _____ OR (length x width) x .785 _____
rectangle/square _____ ellipse _____

II. LOCATION

12. Legal Location

PM	6th	Township	9S	Range	80W	1/4 of	NE	1/4 of	NE	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	NW	1/4 of	NE	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	SW	1/4 of	NE	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	SE	1/4 of	NE	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	NE	1/4 of	SE	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	NW	1/4 of	SE	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	SW	1/4 of	SE	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	SE	1/4 of	SE	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	NE	1/4 of	NW	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	NW	1/4 of	NW	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	SE	1/4 of	NW	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	NE	1/4 of	SW	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	NW	1/4 of	SW	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	SW	1/4 of	SW	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	SE	1/4 of	SW	1/4 of	SW	1/4 Section	27
PM	6th	Township	9S	Range	80W	1/4 of	SE	1/4 of	NE	1/4 of	SE	1/4 Section	28
PM	6th	Township	9S	Range	80W	1/4 of	NE	1/4 of	SE	1/4 of	SE	1/4 Section	28

if section is irregular, explain alignment method _____

State Site # 5LK892

Temporary # _____

Management Data Form

(page 2 of 4)

013,385645 4343619
013,3856910 4343623
013,386176 4343492
013,386138 4343262
013,385987 4343122
013,385600 4343102
013,385500 4343321
294

See attached

13. USGS Quad Leadville south 7.5' ☒ 15' ☐ Dates(s) 1969 (attach photocopy)14. County Lake 15. Other Maps _____

16. UTM Reference

A. 13;385260 mE4343300 mNB. 13;385720 mE4343080 mNC. 13;385780 mE4343620 mND. 13;386180 mE4343440 mN

17. Address _____ Lot _____ Block _____ Addition _____

18. Location/Access Take Highway 24 from Leadville approximately 1 3/4 miles. Site is located NW of the highway.

III. NATURAL ENVIRONMENT

19. Topographic Feature(s)

☐ mountain☐ ledge☐ playa☐ hill☒ terrace/bench☐ talus slope☐ tableland/mesa☐ canyon☐ alluvial fan☐ ridge☐ valley☐ plain☐ saddle/pass☐ basin☐ dune☐ alcove/rockshelter☐ floodplain☐ cliff☐ cutbank☐ slope☐ arroyo/gully20. Describe on-site topography (mention named landforms) 5LK892 sits on the north terrace above California Gulch21. Site Elevation 9,820 feet = (x .3048) 2,993 meters 22. Aspect SE23. Degree of slope on site 0-20% 24. Soil Depth Unknown cm25. Soil description (character and color) primarily slag, also alluvial soils and gravels.

26. Depositional environment

☐ aeolian☐ residual☐ colluvial☒ alluvial☐ none☐ moraine☐ other, specify _____27. Nearest water: name/nature California Gulch / permanentdistance 350 m 1148 ft.28. Nearest permanent water: name same distance _____ m _____ ft29. Vegetation on site (list predominant species) sparse grasses and forbs in portions of the smelter features; the slag pile is void of vegetation.30. Vegetation associations/communities surrounding site same, with spruce/fir forest

IV. National Historic Eligibility Assessment

31. Colorado Historical Society context (RP3) theme(s) industrial/miningSpecify lead, zinc, silver, gold mining (1880-1945)

32. Applicable National Register Criteria

- ☐ Does not meet any of the below National Register criteria
- ☒ A. associated with events that have made a significant contribution to the broad pattern of our history.
- ☐ B. associated with the lives of persons significant in our past.
- ☒ C. embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction
- ☐ D. has yielded, or may be likely to yield, information important in history or prehistory
- ☐ Qualifies under exceptions A through G (see Manual)

Level of Significance National ☒ State ☐ Local ☐

33. Condition

a. Architectural/Structural

- ☐ Excellent
- ☒ Good
- ☐ Fair
- ☐ Deteriorated
- ☒ Ruins

b. Archaeological/Paleontological

- ☐ Undisturbed
- ☐ Light disturbance
- ☐ Moderate disturbance
- ☐ Heavy disturbance
- ☐ Total disturbance

34. Describe condition The site is in generally poor condition; virtually all of the machinery and equipment has been
been removed from the site. Several smaller buildings and structures remain standing while many large features
have collapsed and/or been removed.

35. Is site vandalized? yes ☐ no ☐ describe Unknown

36. Eligibility Recommendation:

Eligible ☒ Not Eligible ☐ Need Data ☐

Statement of Significance/N.R.H.P. Justification Site 5LK892 is recommended as individually eligible for nomination to
the NRHP under criteria A and C, and as a contributing element to the Leadville Historic Mining District (5LK856). The
AV Smelter was the most significant and prominent smelter in the Leadville district, and played an important role in the
development and growth of Asarco, the community of Leadville, and the mining and smelting industry in the Rocky
Mountain region (Criterion A). While the site lacks sufficient integrity of physical remains to convey most of the details of
the technologies and systems utilized when the site was in operation, the scope and scale of the remaining features does
convey the magnitude of the industrial process. In addition, no other known smelter site in the Leadville Historic Mining
District contains comparable remains sufficient to portray the complexity of the smelting process. The AV site is the best
remaining example of the smelting industry that played an important role of the Leadville district (Criterion C).

37. If in an existing National Register District, is the site

Contributing ☒ Non-Contributing ☐

38. Is there National Register District Potential? yes ☒ no ☐ discuss It is within the Leadville Historic Mining
District 5LK856.

State Site # 5LK892

Management Data Form

Temporary # _____

(page 4 of 4)

MANAGEMENT AND ADMINISTRATIVE DATA

39. Threats to Resource: Water erosion ☐ wind erosion ☐ animal activity ☐ neglect ☐ vandalism ☐ recreation ☐
construction ☒ other (specify) remedial actions

Comments: _____

40. Existing Protection: none ☐ marked ☐ fenced ☐ patrolled ☐ access controlled ☒ other (specify) _____

41. Local landmark designation NA 42. Easement _____

43. Management Recommendations 5LK892 has been adequately recorded, photographed and mapped; extensive historical research and documentation has been previously conducted and/or published for the site. No further work is recommended at this time. If a remedial action is selected for all or portions of the site, an assessment of effect should be performed to determine the effect on those characteristics for which the site is considered eligible and contributing.

VI. DOCUMENTATION

44. Previous Actions Accomplished at the site

a. Excavations: test ☐ partial ☐ Complete ☐ Date(s): _____

b. Stabilization: Date(s) _____

c. HABS/HAER Documentation: Date(s) & Numbers _____

d. Other _____

45. Known collections/reports/interviews and other references (list) Jacobs Engineering "Historic Mineral Processing Operations of the Leadville Mining District" (1991); 1883, 1886, 1889, 1895 & 1937 Sanborn Insurance Maps; "Leadville: Colorado's Magic City" (Blair: 1980); "Ores to Metals, the Rocky Mountain Smelting Industry", (Fell: 1979)

46. Primary Location of Additional Data Lake County Public Library; Norlin Library, CU Boulder

47. State or Federal Permit Number _____ Collection Authorized: yes ☐ no ☐

Artifact Collection: yes ☐ no ☒

Method: Diagnostics ☐ grab sample ☐ random sample ☐ transect ☐

Other (specify) _____

Artifact Repository NA

48. Photograph Nos. AV95-1, AV95-2, AV95-3, AV95-4 negatives filed at Foothill Engineering Consultants, Inc.
AV95-5, AV95-6

49. Report Title Cultural Resources Investigations at Selected Smelter Sites, Operable Unit 5, California Gulch Superfund Site, Lake County, Colorado

50. Recorder(s) David Killam, Ted Hoefer III Date(s) 9/21-22/95

51. Affiliation Foothill Engineering Consultants, Inc. Phone Number (303) 278-0622

Colorado Historical Society, Office of Archaeology & Historic Preservation, 1300 Broadway, Denver, CO 80203, (303) 866-3395

Colorado Cultural Resource Survey
Historic Architectural Building/Structure Form

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each standing historical building or structure. Include a photograph, sketch, map, and a photocopy of the quadrangle map showing building location.

1. State Site Number 5LK892 2. Temporary Number _____
3. Map ID Number / Feature Number or Code: Feature 1c
4. Building or Structure Name: Mechanics Shop/Boiler House on 1937 Sanborn
5. Complex / Site Name: AV Smelter
6. Photo #: AV95-5, exp 14-18

ARCHITECTURAL DESCRIPTION

7. Complex / Building / Structure Type: Utility building
8. Architectural Style: vernacular
9. Building Support System: brick
10. Dimensions: L: 225' W: 60' = Square Feet: 13,500
11. Number of Stories: Two on west end, one on eastern 2/3rds
12. Building Plan (Footprint, shape): rectangular
13. Landscaping or Special Setting Features: Industrial smelter complex.

14. Associated Buildings, Features, or Objects - Describe material and function (map number / name):

For the following categories include materials, techniques and styles in the description as appropriate:

15. Roof: Side gable, covered with tin, fiberglass, asphalt roofing.
16. Walls: Brick, except east end, which is galvanized metal over brick. North wall is sagging and beginning to collapse.
17. Foundation/Basement: None
18. Chimney(s): One metal chimney on north roof above auto shop.

19. Windows:

Glass brick in upper level.

20. Doors:

Several garage doors (5) on south side, sliding iron/wood door just west of garages.Two arched wide doors on east end of south side.

21. Porches:

None

22. General Architectural Description:

Five garages on east end, plus two inaccessible rooms. At least two rooms on west end, one on far west completely destroyed. Far western garage is an auto shop with one bay. Rest of structure is inaccessible.

FUNCTION

23. Current Use: Storage
_____24. Original Use: Mechanics shop - boiler house in 1937.
_____25. Intermediate Use(s): _____

ARCHITECTURAL HISTORY

26. Architect: _____

27. Builder: _____

28. Date of Construction Unknown

Actual: _____

Assessor: _____

Estimate: _____

based on: _____

29. MODIFICATIONS: Minor ☐ Moderate ☐ Major ☐ Moved ☐ Date: _____Describe Modifications and Date: Roof displays several different coverings; west end has collapsed.

_____Additions and Date: _____

State Site # 5LK892

Historical Architectural Building/Structure Form

Temporary # _____

(Page 3 of 3)

30. NATIONAL REGISTER CRITERIA/NATIONAL REGISTER ELIGIBILITY

☒ Does not meet any of the below National Register criteria

☐ A. Associated with events that have made a significant contribution to the broad pattern of our history.

☐ B. Associated with the lives of persons significant in our past.

☐ C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

☐ D. Has yielded, or may be likely to yield, information important in history or prehistory.

☐ Qualifies under exceptions A through G (see Manual).

Level of Significance:

☐ National

☐ State

☐ Local

31. Justify Assessment: See Management Data Form.

32. Associated Contexts and Historical Information:

(use continuation sheets)

33. Other Recording Information:

Specific References to the Structure/Building:

34. Archaeological Potential: ☐ yes ☐ no Justify:

35. Recorder(s) T. Hoefer, D. Killam

Date(s): 9-22-95

Colorado Historical Society, Office of Archaeology and Historic Preservation, 1300 Broadway, Denver, Colorado 80203, (303) 866-3395

Colorado Cultural Resource Survey
Historic Architectural Building/Structure Form

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each standing historical building or structure. Include a photograph, sketch, map, and a photocopy of the quadrangle map showing building location.

1. State Site Number 5LK892 2. Temporary Number _____
3. Map ID Number / Feature Number or Code: Feature 12
4. Building or Structure Name: Residence 1. Not labeled. 1937 Sanborn.
5. Complex / Site Name: Arkansas Valley Smelter
6. Photo #: AV95-4, exp 1-4

ARCHITECTURAL DESCRIPTION

7. Complex / Building / Structure Type: House - residence
8. Architectural Style: Vernacular
9. Building Support System: Wood frame
10. Dimensions: L: 75' W: 40' = Square Feet: 3,000
11. Number of Stories: 1½ main story with attic
12. Building Plan (Footprint, shape): rectangular

13. Landscaping or Special Setting Features: Residence associated with the Arkansas Smelter; industrial landscape.

14. Associated Buildings, Features, or Objects - Describe material and function (map number / name):
A small garage of the same style is just off northwest corner. A series of sidewalks, brick piles and small foundations are located immediately to the west of Aspen grove. An abandoned, wood framed well is in this area. May have been the location of other houses.

For the following categories include materials, techniques and styles in the description as appropriate:

15. Roof: Side-gabled with asphalt shingles.
16. Walls: Wooden siding, yellowish-tan paint.
17. Foundation/Basement: Brick foundation.
18. Chimney(s): Sheet metal chimneys on front southwest corner and back porch.

19. Windows:

Single pane glass windows on south, east, west.

20. Doors:

Front door on southeast corner, back door on porch.

21. Porches:

2 - on front southeast corner and the back porch on the north. Back porch is covered.

22. General Architectural Description:

Single story wood frame house with attic and covered back porch. Small garage with door on south, window on west wall. Garage has shake roof, asphalt shingles on house. Interior is inaccessible. The house is serviced by gas and electric. Curb and gutter to south of house.

FUNCTION

23. Current Use: Being remodeled at the time of site recording. Apparently being used as an office.
_____24. Original Use: House
_____25. Intermediate Use(s): Unknown

ARCHITECTURAL HISTORY

26. Architect: Unknown

27. Builder: _____

28. Date of Construction _____

Actual: _____

Assessor: _____

Estimate: _____

based on: _____

29. MODIFICATIONS: Minor ☐ Moderate ☐ Major ☐ Moved ☐ Date: _____Describe Modifications and Date: Unknown

Additions and Date: _____

Back porch appears to be an add-on.

State Site # 5LK892

Historical Architectural Building/Structure Form

Temporary # _____

(Page 3 of 3)

30. NATIONAL REGISTER CRITERIA/NATIONAL REGISTER ELIGIBILITY

☒ Does not meet any of the below National Register criteria

☐ A. Associated with events that have made a significant contribution to the broad pattern of our history.

☐ B. Associated with the lives of persons significant in our past.

☐ C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

☐ D. Has yielded, or may be likely to yield, information important in history or prehistory.

☐ Qualifies under exceptions A through G (see Manual).

Level of Significance:

☐ National

☐ State

☐ Local

31. Justify Assessment: _____

32. Associated Contexts and Historical Information: Probably a residence used by AV Smelter employees, probably owned by AV Smelter.

(use continuation sheets)

33. Other Recording Information: _____

Specific References to the Structure/Building: _____

34. Archaeological Potential: ☐ yes ☒ no Justify: _____

35. Recorder(s) T. Hoefer, D. Killam

Date(s): 9-21-95

Colorado Historical Society, Office of Archaeology and Historic Preservation, 1300 Broadway, Denver, Colorado 80203, (303) 866-3395

Colorado Cultural Resource Survey
Historic Architectural Building/Structure Form

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each standing historical building or structure. Include a photograph, sketch, map, and a photocopy of the quadrangle map showing building location.

1. State Site Number 5LK892 2. Temporary Number _____
3. Map ID Number / Feature Number or Code: Feature 13
4. Building or Structure Name: Carpenter Shop. 1937 Sanborn
5. Complex / Site Name: AV Smelter
6. Photo #: AV95-5, exp 1-4

ARCHITECTURAL DESCRIPTION

7. Complex / Building / Structure Type: Shop/Garage
8. Architectural Style: Vernacular
9. Building Support System: Wood frame
10. Dimensions: L: 75' W: 45' = Square Feet: 3,375
11. Number of Stories: Two
12. Building Plan (Footprint, shape): Rectangular
13. Landscaping or Special Setting Features: Industrial Smelter complex

14. Associated Buildings, Features, or Objects - Describe material and function (map number / name):
Industrial trash is scattered all around the building.

For the following categories include materials, techniques and styles in the description as appropriate:

15. Roof: Offset side gable; offset is to the north.
16. Walls: Vertical wood planks.
17. Foundation/Basement: wood plank and brick.
18. Chimney(s): None

State Site # 5LK892

Historical Architectural Building/Structure Form

Temporary # _____

(Page 2 of 3)

19. Windows:

West - 3 upper windows, 5 lower

North - 5 windows

South - 7 upper windows, 3 lower

East - 4 windows

20. Doors:

Single door - south side east wall, garage door on south side, single door and garage door on west side. Single door on north wall, east corner.

21. Porches:

None

22. General Architectural Description:

Wood frame building built in gentle hill slope. South wall is higher than north wall. One story on north side. Two stories on south side. No access to interior.

FUNCTION

23. Current Use: Storage.

24. Original Use: Carpenter shop.

25. Intermediate Use(s): _____

ARCHITECTURAL HISTORY

26. Architect: _____

27. Builder: _____

28. Date of Construction _____

Actual: _____

Assessor: _____

Estimate: _____

based on: _____

29. MODIFICATIONS: Minor ☐ Moderate ☐ Major ☐ Moved ☐ Date: _____

Describe Modifications and Date:

Windows have been covered with fiberglass. Doors are boarded up.

Additions and Date: _____

State Site # 5LK892

Historical Architectural Building/Structure Form

Temporary # _____

(Page 3 of 3)

30. NATIONAL REGISTER CRITERIA/NATIONAL REGISTER ELIGIBILITY

☒ Does not meet any of the below National Register criteria

☐ A. Associated with events that have made a significant contribution to the broad pattern of our history.

☐ B. Associated with the lives of persons significant in our past.

☐ C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

☐ D. Has yielded, or may be likely to yield, information important in history or prehistory.

☐ Qualifies under exceptions A through G (see Manual).

Level of Significance:

☐ National

☐ State

☐ Local

31. Justify Assessment: _____

32. Associated Contexts and Historical Information: _____

(use continuation sheets)

33. Other Recording Information: _____

Specific References to the Structure/Building: _____

34. Archaeological Potential:

☐ yes

☒ no

Justify: _____

35. Recorder(s) T. Hoefer, D. Killam

Date(s): 9-22-95

Colorado Historical Society, Office of Archaeology and Historic Preservation, 1300 Broadway, Denver, Colorado 80203, (303) 866-3395

Colorado Cultural Resource Survey
Historic Architectural Building/Structure Form

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each standing historical building or structure. Include a photograph, sketch, map, and a photocopy of the quadrangle map showing building location.

1. State Site Number 5LK892 2. Temporary Number _____
3. Map ID Number / Feature Number or Code: Feature 14
4. Building or Structure Name: Pumphouse
5. Complex / Site Name: AV Smelter
6. Photo #: V95-5, exp 9-13

ARCHITECTURAL DESCRIPTION

7. Complex / Building / Structure Type: Shop
8. Architectural Style: Vernacular
9. Building Support System: Brick
10. Dimensions: L: 60' W: 35' = Square Feet: 2,100
11. Number of Stories: 1
12. Building Plan (Footprint, shape): Rectangular
13. Landscaping or Special Setting Features: Industrial smelter complex

14. Associated Buildings, Features, or Objects - Describe material and function (map number / name):

For the following categories include materials, techniques and styles in the description as appropriate:

15. Roof: Side gable, sheet metal roof supported by steel beams.
16. Walls: Brick
17. Foundation/Basement: Brick
18. Chimney(s): None

State Site # **5LK892**

Historical Architectural Building/Structure Form

Temporary # _____

(Page 2 of 3)

19. Windows:

North - 2, glass brick

East - 1, glass brick

South - 3, glass brick

West - 2, glass brick

20. Doors:

North - single door, west end.

East - single door, north end.

21. Porches:

None, but loading dock on west end.

22. General Architectural Description:

Single story, red brick building with glass brick windows. Single doors only, no garage doors.

Bricks are deteriorated on north and south sides. Pump meters on east end.

FUNCTION

23. Current Use: **Unknown. No access to interior.**

24. Original Use: **Pump house or shipping/receiving.**

25. Intermediate Use(s): **Unknown**

ARCHITECTURAL HISTORY

26. Architect: _____

27. Builder: _____

28. Date of Construction **Unknown**

Actual: _____

Assessor: _____

Estimate: _____

based on: _____

29. MODIFICATIONS: Minor ☐ Moderate ☐ Major ☐ Moved ☐ Date: _____

Describe Modifications and Date: **Roof appears to be relatively new. Plywood has been placed under the gable on the west end.**

Additions and Date: _____

State Site # 5LK892

Temporary # _____

Historical Architectural Building/Structure Form

(Page 3 of 3)

30. NATIONAL REGISTER CRITERIA/NATIONAL REGISTER ELIGIBILITY

- ☒ Does not meet any of the below National Register criteria
- ☐ A. Associated with events that have made a significant contribution to the broad pattern of our history.
- ☐ B. Associated with the lives of persons significant in our past.
- ☐ C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.
- ☐ D. Has yielded, or may be likely to yield, information important in history or prehistory.
- ☐ Qualifies under exceptions A through G (see Manual).

Level of Significance:

☐ National

☐ State

☐ Local

31. Justify Assessment: _____

32. Associated Contexts and Historical Information: _____

(use continuation sheets)

33. Other Recording Information: _____

Specific References to the Structure/Building: _____

34. Archaeological Potential: ☐ yes ☒ no Justify: _____

35. Recorder(s) T. Hoefer, D. Killam

Date(s): 9-22-95

Colorado Historical Society, Office of Archaeology and Historic Preservation, 1300 Broadway, Denver, Colorado 80203, (303) 866-3395

Colorado Cultural Resource Survey
Historic Architectural Building/Structure Form

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each standing historical building or structure. Include a photograph, sketch, map, and a photocopy of the quadrangle map showing building location.

1. State Site Number 5LK892 2. Temporary Number _____
3. Map ID Number / Feature Number or Code: Feature 15
4. Building or Structure Name: Utility Building 1 - Matte Hoist House 1937, Sanborn
5. Complex / Site Name: AV Smelter
6. Photo #: AV95-5, exp 6-8

ARCHITECTURAL DESCRIPTION

7. Complex / Building / Structure Type: Industrial/utility
8. Architectural Style: Vernacular
9. Building Support System: Brick
10. Dimensions: L: 25' W: 25' = Square Feet: 625
11. Number of Stories: 1
12. Building Plan (Footprint, shape): Square
13. Landscaping or Special Setting Features: Industrial Smelter complex

14. Associated Buildings, Features, or Objects - Describe material and function (map number / name):
Located immediately to the southeast of the AV furnace, F. 1a.

For the following categories include materials, techniques and styles in the description as appropriate:

15. Roof: Single gable - dip to the west. Wood plank roof.
16. Walls: Brick
17. Foundation/Basement: Brick
18. Chimney(s): None

State Site # **5LK892**

Historical Architectural Building/Structure Form

Temporary # _____

(Page 2 of 3)

19. Windows:

None

20. Doors:

Single double-wide door on the north side

21. Porches:

None

22. General Architectural Description:

**Square brick building approximately 30 ft. tall. Wood plank floor. Function unknown.
Painted silver.**

FUNCTION

23. Current Use: **Storage**

24. Original Use: **Unknown**

25. Intermediate Use(s): **Unknown**

ARCHITECTURAL HISTORY

26. Architect: _____

27. Builder: _____

28. Date of Construction _____

Actual: _____

Assessor: _____

Estimate: _____

based on: _____

29. MODIFICATIONS: Minor ☐ Moderate ☐ Major ☐ Moved ☐ Date: _____

Describe Modifications and Date: **None apparent.**

Additions and Date:

None.

30. NATIONAL REGISTER CRITERIA/NATIONAL REGISTER ELIGIBILITY

- ☒ Does not meet any of the below National Register criteria
- ☐ A. Associated with events that have made a significant contribution to the broad pattern of our history.
- ☐ B. Associated with the lives of persons significant in our past.
- ☐ C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.
- ☐ D. Has yielded, or may be likely to yield, information important in history or prehistory.
- ☐ Qualifies under exceptions A through G (see Manual).

Level of Significance:

☐ National☐ State☐ Local

31. Justify Assessment: _____

32. Associated Contexts and Historical Information: _____

_____*(use continuation sheets)*

33. Other Recording Information: _____

Specific References to the Structure/Building: _____

_____34. Archaeological Potential: ☐ yes ☒ no Justify: __________

_____35. Recorder(s) D. Killam, T. HoeferDate(s): 9-22-95

Colorado Historical Society, Office of Archaeology and Historic Preservation, 1300 Broadway, Denver,
Colorado 80203, (303) 866-3395

Colorado Cultural Resource Survey
Historic Architectural Building/Structure Form

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each standing historical building or structure. Include a photograph, sketch, map, and a photocopy of the quadrangle map showing building location.

1. State Site Number 5LK892 2. Temporary Number _____
3. Map ID Number / Feature Number or Code: Feature 16
4. Building or Structure Name: Utility Building 2, labeled "Oils" in 1937 Sanborn
5. Complex / Site Name: AV Smelter
6. Photo #: AV95-6, exp 9-12

ARCHITECTURAL DESCRIPTION

7. Complex / Building / Structure Type: Utility
8. Architectural Style: Vernacular
9. Building Support System: Brick
10. Dimensions: L: 50' W: 25' = Square Feet: 1,250
11. Number of Stories: 1
12. Building Plan (Footprint, shape): Rectangular
13. Landscaping or Special Setting Features: Industrial smelter complex.

14. Associated Buildings, Features, or Objects - Describe material and function (map number / name):
Located in vicinity of 1895 ponds.

For the following categories include materials, techniques and styles in the description as appropriate:

15. Roof: Side gable sheet metal.
16. Walls: Brick, painted silver.
17. Foundation/Basement: Brick, no basement.
18. Chimney(s): Stovepipe on north end, west roof

State Site # 5LK892
Temporary # _____

Historical Architectural Building/Structure Form
(Page 2 of 3)

19. Windows:

North - arched, wood case window

East - Large window on north end, arched; 4 small windows on south end under eaves

South - One in upper center

West - Large window on north end, arched; 3 small windows on south end under eaves

20. Doors:

Single door with arch on west end

21. Porches:

None

22. General Architectural Description:

2 room structure. North room occupies northern third, door on west side of interior brick wall leads into southern room (inaccessible). Single story, painted silver. Arches over north door (only entrance) and main windows.

FUNCTION

23. Current Use: Storage

24. Original Use: Unknown

25. Intermediate Use(s): _____

ARCHITECTURAL HISTORY

26. Architect: _____

27. Builder: _____

28. Date of Construction Unknown

Actual: _____

Assessor: _____

Estimate: _____

based on: _____

29. MODIFICATIONS: Minor ☐ Moderate ☐ Major ☐ Moved ☐ Date: _____

Describe Modifications and Date: None apparent

Additions and Date:

None

30. NATIONAL REGISTER CRITERIA/NATIONAL REGISTER ELIGIBILITY☒ Does not meet any of the below National Register criteria☐ A. Associated with events that have made a significant contribution to the broad pattern of our history.☐ B. Associated with the lives of persons significant in our past.☐ C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.☐ D. Has yielded, or may be likely to yield, information important in history or prehistory.☐ Qualifies under exceptions A through G (see Manual).

Level of Significance:

☐ National☐ State☐ Local

31. Justify Assessment: _____

32. Associated Contexts and Historical Information: _____

(use continuation sheets)

33. Other Recording Information: _____

Specific References to the Structure/Building: _____

34. Archaeological Potential: ☐ yes ☒ no Justify: _____35. Recorder(s) **D. Killam, T. Hoefer**Date(s): **9-22-95**

Colorado Historical Society, Office of Archaeology and Historic Preservation, 1300 Broadway, Denver,
Colorado 80203, (303) 866-3395

Colorado Cultural Resource Survey
Historic Architectural Building/Structure Form

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each standing historical building or structure. Include a photograph, sketch, map, and a photocopy of the quadrangle map showing building location.

1. State Site Number 5LK892 2. Temporary Number _____
3. Map ID Number / Feature Number or Code: Feature 17
4. Building or Structure Name: Office Building 2 - Vicinity of "office" but not exact location or plan as 1937 Sanborn
5. Complex / Site Name: AV Smelter
6. Photo #: AV95-5, exp 19-25

ARCHITECTURAL DESCRIPTION

7. Complex / Building / Structure Type: Office building
8. Architectural Style: Vernacular
9. Building Support System: Concrete and cinder block
10. Dimensions: L: 110' W: 50' = Square Feet: 5,500
11. Number of Stories: 1, with basement
12. Building Plan (Footprint, shape): Rectangular
13. Landscaping or Special Setting Features: Industrial smelter complex
14. Associated Buildings, Features, or Objects - Describe material and function (map number / name):
Located to east and across the road from the Mechanics Shop.

For the following categories include materials, techniques and styles in the description as appropriate:

15. Roof: Flat, tar paper and asphalt
16. Walls: Cinder block. Rounded cinder block columns protrude slightly from the walls between the windows.
17. Foundation/Basement: Concrete. Basement is present, but inaccessible.
18. Chimney(s): 6 metal chimneys/vents on roof.

19. Windows:

South - 7 single pane under glass brickNorth - 8 single pane under glass brickEast - 3 glass brick in basementGlass brick on north south ends. Single pane under glass brick flank the door. All windows are steel framed.

20. Doors:

South - single door on west and east ends.West - single door in middle of wall

21. Porches:

South - concrete porches by doors.West - concrete porches by doors; steel shades over entrance ways.

22. General Architectural Description:

Cinder block and concrete building, flat roof (Industrial Art Deco). Building is electrified.Building is in good shape - interior is not accessible; heating equipment on northeast corner.**FUNCTION**23. Current Use: Storage24. Original Use: Office

25. Intermediate Use(s): _____

ARCHITECTURAL HISTORY

26. Architect: _____

27. Builder: _____

28. Date of Construction Unknown

Actual: _____

Assessor: _____

Estimate: _____

based on: _____

29. MODIFICATIONS: Minor ☐ Moderate ☐ Major ☐ Moved ☐ Date: _____Describe Modifications and Date: None apparent.

Additions and Date: _____

None

30. NATIONAL REGISTER CRITERIA/NATIONAL REGISTER ELIGIBILITY

- ☐ Does not meet any of the below National Register criteria
- ☐ A. Associated with events that have made a significant contribution to the broad pattern of our history.
- ☐ B. Associated with the lives of persons significant in our past.
- ☒ C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.
- ☐ D. Has yielded, or may be likely to yield, information important in history or prehistory.
- ☐ Qualifies under exceptions A through G (see Manual).

Level of Significance: ☐ National ☐ State ☐ Local31. Justify Assessment: Distinctive for Leadville area. Distinctive of period(?)

32. Associated Contexts and Historical Information: _____

(use continuation sheets)

33. Other Recording Information: _____

Specific References to the Structure/Building: _____

34. Archaeological Potential: ☐ yes ☒ no Justify: _____35. Recorder(s) T. Hoefer, D. KillamDate(s): 9-22-95

Colorado Historical Society, Office of Archaeology and Historic Preservation, 1300 Broadway, Denver,
Colorado 80203, (303) 866-3395

Colorado Cultural Resource Survey
Historic Architectural Building/Structure Form

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each standing historical building or structure. Include a photograph, sketch, map, and a photocopy of the quadrangle map showing building location.

1. State Site Number 5LK892 2. Temporary Number _____
3. Map ID Number / Feature Number or Code: Feature 18
4. Building or Structure Name: Office Building 2; "Office" on 1937 Sanborn
5. Complex / Site Name: AV Smelter
6. Photo #: AV95-6, exp 6-8

ARCHITECTURAL DESCRIPTION

7. Complex / Building / Structure Type: Office
8. Architectural Style: Vernacular
9. Building Support System: Brick
10. Dimensions: L: 35' W: 25' = Square Feet: 875
11. Number of Stories: 1
12. Building Plan (Footprint, shape): Rectangular

13. Landscaping or Special Setting Features: Industrial Smelter complex

14. Associated Buildings, Features, or Objects - Describe material and function (map number / name):
Located immediately to the west of Dietrich's shop and to the south of the furnace.

For the following categories include materials, techniques and styles in the description as appropriate:

15. Roof: Side-gabled, covered with sheet metal.
16. Walls: brick, painted silver.
17. Foundation/Basement: concrete
18. Chimney(s): one, brick on south side of roof.

19. Windows:

North - 2 windows flank door, brick arch over windows, windows are wood framed;**South - 2 arched, framed windows****West - 2 arched, framed windows**

20. Doors:

Single wooden door in middle of north wall. 3 doors leading to closets on east end.

21. Porches:

Concrete step in front of north door.

22. General Architectural Description:

Single story brick structure with metal roof. Building is painted silver. Building has two main rooms with three closets on east end.**Building is beginning to collapse.****FUNCTION**23. Current Use: **Storage.**24. Original Use: **Office (informants)**

25. Intermediate Use(s): _____

ARCHITECTURAL HISTORY

26. Architect: _____

27. Builder: _____

28. Date of Construction **Unknown**

Actual: _____

Assessor: _____

Estimate: _____

based on: _____

29. MODIFICATIONS: Minor ☐ Moderate ☐ Major ☐ Moved ☐ Date: _____Describe Modifications and Date: **North windows are boarded with plywood.**

Additions and Date: _____

State Site # 5LK892
Temporary # _____

Historical Architectural Building/Structure Form
(Page 3 of 3)

30. NATIONAL REGISTER CRITERIA/NATIONAL REGISTER ELIGIBILITY

- ☒ Does not meet any of the below National Register criteria
- ☐ A. Associated with events that have made a significant contribution to the broad pattern of our history.
- ☐ B. Associated with the lives of persons significant in our past.
- ☐ C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.
- ☐ D. Has yielded, or may be likely to yield, information important in history or prehistory.
- ☐ Qualifies under exceptions A through G (see Manual).

Level of Significance: ☐ National ☐ State ☐ Local

31. Justify Assessment: _____

32. Associated Contexts and Historical Information: _____

(use continuation sheets)

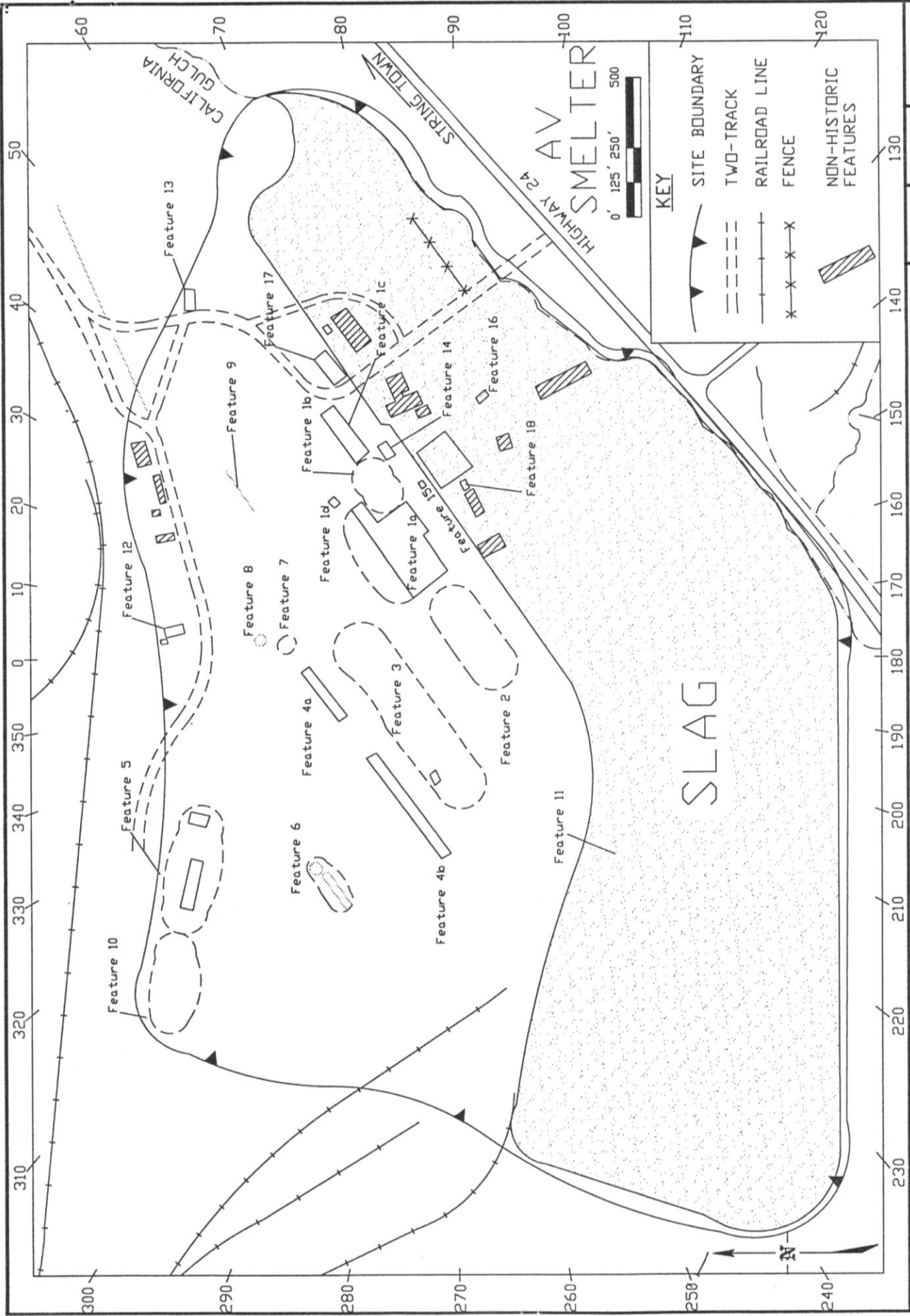
33. Other Recording Information: _____

Specific References to the Structure/Building: _____

34. Archaeological Potential: ☐ yes ☒ no Justify: _____

35. Recorder(s) T. Hoefer, D. Killam Date(s): 9-22-95

Colorado Historical Society, Office of Archaeology and Historic Preservation, 1300 Broadway, Denver,
Colorado 80203, (303) 866-3395



FEC FOOTHILL ENGINEERING CONSULTANTS, INC.	5LK892 THE AV SMELTER		DATE: 1/96	SCALE: SHOWN	DRAWN BY: -
	93-6031AV-1.DWG 1/24/96				

3.3 California Smelter

The California Smelter, also known as the Chicago Reduction Works, began operations in June 1879 (1 pp. 625-26). The works were situated on the following claims: Chicago Reductions Works Placer (Survey No. 930), Chicago Reduction Works Mill Site #1 (Survey No. 931) and Chicago Reduction Works Mill Site #2, (Survey No. 932) (20). According to the Leadville city directories, the proprietors of the works were A.J. Jaescke, G.W. Bittinger and, G.M. Garrish in 1879 (21 p. 18); however in 1881 M.E. Smith and Company was in control (22 p. 48).

The California Smelter operated from June of 1879 to late 1880. Operations, as described in Emmons under "Smelter D," were similar to many of those located on California Gulch, with several levels and two water-jacket blast furnaces connected to dust chambers. The flue dust collected in these chambers was not mixed with lime as it was at most smelters, but was simply moistened with water and thrown in the furnace one shovel full per smelting charge (1). The capacity of these works was 24 tons per day. Problems with furnace operation caused frequent stoppages during 1879 but repairs were undertaken and operations continued through 1880. The production data in Emmons (1) indicate that about 500 tons of bullion were produced by smelting 4,200 tons of ore, for the year ending June 1880. This production leads to an estimate of 5,000 tons of waste generated (see Table 2.2). Assuming that one half this volume of waste was also generated in the remaining six months of 1880, the total volume of waste generated by the California Smelter operation is estimated to be 7,500 tons.

3.4 Arkansas Valley Smelter

The longest operating smelter in the Leadville area was the Arkansas Valley Smelter situated on lower California Gulch west of the city limits on the Germania Placer (Survey No. 389) (23). The plant was built by Anton Eilers and Gustave Billing in 1879 (20 p. 50A). Due to Eiler's association with the Germania Smelter near Salt Lake City, Utah, the smelter was often called the Utah Smelter. The plant began operations in May 1879 and after its first year ranked third in bullion production behind the Grant and La Plata smelters (7 p. 96). The plant was divided into several levels with the furnace level and slag heaps at the lowest level toward the base of the slope. The bullion at this smelter was stacked on slag heaps in front of the furnaces to await shipment. Figure 3.2 depicts the Arkansas Valley Plant as it appeared in the late 1870's. In 1880 the Billing and Eilers Smelter had three furnaces of equal dimensions which were regarded as the model furnaces and were described in great detail under "Smelter C" in Emmons (1 p. 676). The water-jacket blast furnace had the same general design as those at other smelters, however the minor differences were held to account for considerable improvement in working qualities. In particular they employed a unique tap system for removing bullion from the furnace, rather than ladling the liquid from the lead-well as at other smelters. The bullion was drawn periodically into cast iron lead-pots and kept molten until it could be ladled into molds. The bullion bars thus obtained were generally of a more uniform shape and composition than those made at other smelters.

The plant also had a unique ventilation system which, rather than being restricted to a hood and chimney in front of each furnace, extended along the entire front of the building and provided much better ventilation. A uniform treatment of slags was adopted with slag being left in slag pots until a crust about two inches thick was formed on the sides and surface. The upper crust was then pierced, the slag pot overturned on the bank slope, and the molten contents allowed to run down the slope (1 p. 678). The remaining thin shells of slag material were then broken up for resmelting as this portion of the slag was found by assay to be slightly higher in silver than the portion discarded.

The dust chambers at the works in 1880 were not the most efficient of their type, but did recover some of the fine dust which was then mixed with lime, molded into bricks and resmelted (1). The capacity of the works, with only two furnaces operating in mid 1880, was 80 to 100 tons per day. In winter of 1880, the Billing and Eilers Smelter enlarged by installing a third and fourth smelting unit, and monitoring their dust chamber and replaced the oil and gas illumination with electric lights.

In 1882 Eilers sold out to Billing and Eilers moved to Pueblo where he built the Eilers Plant (1 p. 100). Billing merged with the A.R. Meyer Milling and Sampling Company in April 1882 to form the Arkansas Valley Smelting Company (25 p. 71B).

In 1883 there were four furnaces in blast (26 p. 320) and by the end of 1883 a fifth furnace had been added. This plant (after the Grant fire) had become the largest smelting works in Leadville (27). By the year 1883, the production for Leadville mines had shifted to a greater proportion of sulfides. Technical problems connected with treatment of these ores were being encountered. One of the first adaptations to the increased sulfide production was the installation of roasting furnaces for pretreatment of ores, which reduced the sulfur and prepared them for blast furnace smelting. No information was available on the date of roasting furnace installation at the Arkansas Valley Smelter. However, in 1884 the plant treated more ore than any other smelter which indicates that sulfides were treated. Also, it is known that roasting furnaces were in place and operating by 1885 (28). Based on this information, it is likely that initial roasting furnaces were installed in 1884 or late 1883. The Last Chance and other mines in Park County sent ores to the smelter in July 1884 (29 p. 59).

By 1886 the seven furnaces in blast had the capacity to treat over 9,000 tons of ore per month (30 p. 299), and at the end of the year the plant had 15,000 tons of ore on hand for treatment (30 p. 388). The Arkansas Valley Smelting Company, which was incorporated in Missouri, filed Leadville as their principal place of business in January 1887 (31). During 1887, a further improvement was made in the lead fume condensation system when the company built a long tunnel connecting the furnaces with a stack erected on the hill some distance away. This system decreased the losses connected with escape of volatilized metals in the furnace fume (30 p. 370). At this time, the Chrysolite Mine was sending two cars of ore per day to the smelter (32 p. 388), and by the close of the year the smelter was receiving ores from the Aspen District (33 p. 40).

In 1890 the Arkansas Valley Smelter was sold to the Kansas City Smelting and Refining Company, with A.R. Meyer as president (34 p. 239B). The Kansas City company also had works in El Paso, Texas and Argentine, Kansas (35 p. 110). Under this new management, the Arkansas plant was expanded and in the early 1890s additional roasters were installed, blast furnaces were enlarged, dust chambers were improved and older machinery was replaced. By 1892 the Arkansas Valley Smelter was operating five large capacity lead blast furnaces, six reverberatory furnaces, and two matte furnaces, with a capacity for treating 820 tons of ore daily (34 and 2). The plant yard had also been expanded and had 16 different tracks for moving ore and bullion. Ores from the A.Y. and Minnie Mine were sent to the plant on a regular basis in early 1883 and a new roasting plant for treatment of refractory ores was planned (36). Operations at the Arkansas Valley Smelter were the most consistent of all Leadville smelters, and though it was closed along with all the other plants during the silver panic of 1898 (37 p. 196), it was reopened January 16 of the next year and was the only lead smelter to resume regular operations (10). By March, the works were operating at capacity (38). Operations continued at or near capacity and in July of 1896 *The Engineering and Mining Journal* reported that the smelter was taking all the ore they could get (39 p. 36).

The smelter situation in 1897 was greatly affected by a marked decrease in lead production. The only lead blast smelter operating in Leadville in 1897 was the Arkansas Valley Plant, and even this plant was obliged to buy lead ores from the Coeur d'Alene district to supply the lead necessary for recovery of silver from the Leadville dry ores (10). In September 1898 the Kansas City Smelting and Refining Company secured the Union Smelter to roast ores prior to smelting them at the Arkansas Valley plant (40 p. 286). Operation continued despite shortages of lead ores and coke until 1899 when the plant was purchased by the newly formed American Smelting and Refining Company (ASARCO). The ASARCO agreement made March 7, 1899, included the Kansas City Company as part of the merger (41 p. 290).

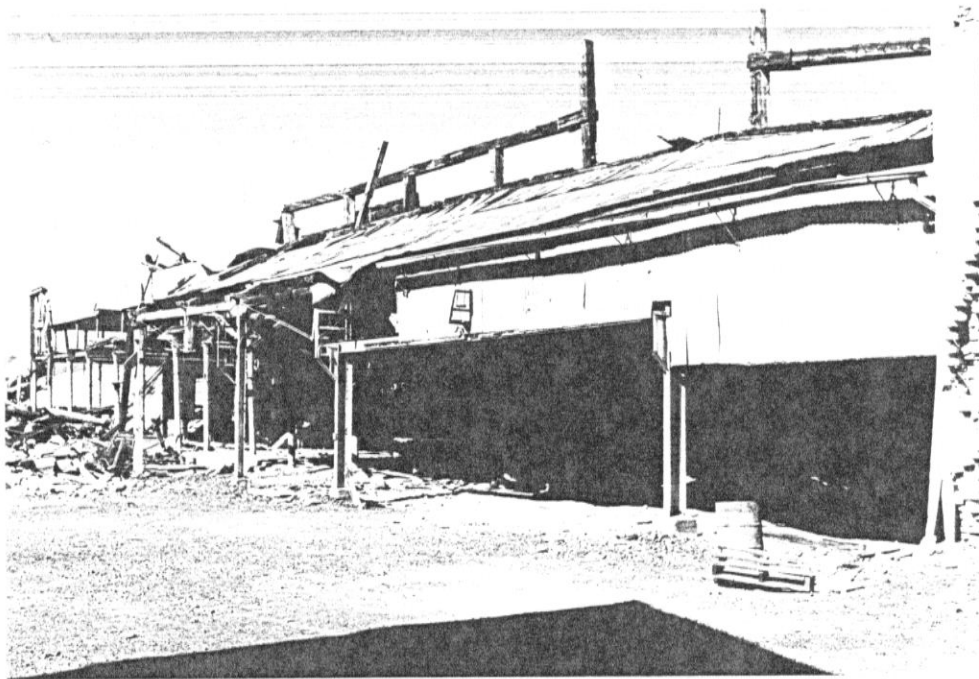
The Arkansas Valley Smelter, at the turn of the century, was the only surviving lead smelter. Operation continued until the final closure of the plant in 1961. The plant was rarely operated at capacity, but technological improvements continued to be made to keep the AV works competitive. Bag houses for the collection of dust and fume condensate were probably installed early in the century, and a new dust-flue one mile long was constructed in 1906. >*

In 1903, the plant purchased a pyritic furnace and though this operation never exceeded the production of the lead smelting works, this enabled the smelter to treat lower grade ores (42). In 1905, the Huntington-Heberline process, an improved lime roasting technique for treating sulfides, was adopted at the plant (43). By the next year the process was being used successfully in 24 hand reverberatory roasting furnaces (43). By 1915 many improvements had been made and 10 blast furnaces for smelting operated steadily throughout the year producing lead bullion and copper matte (13).

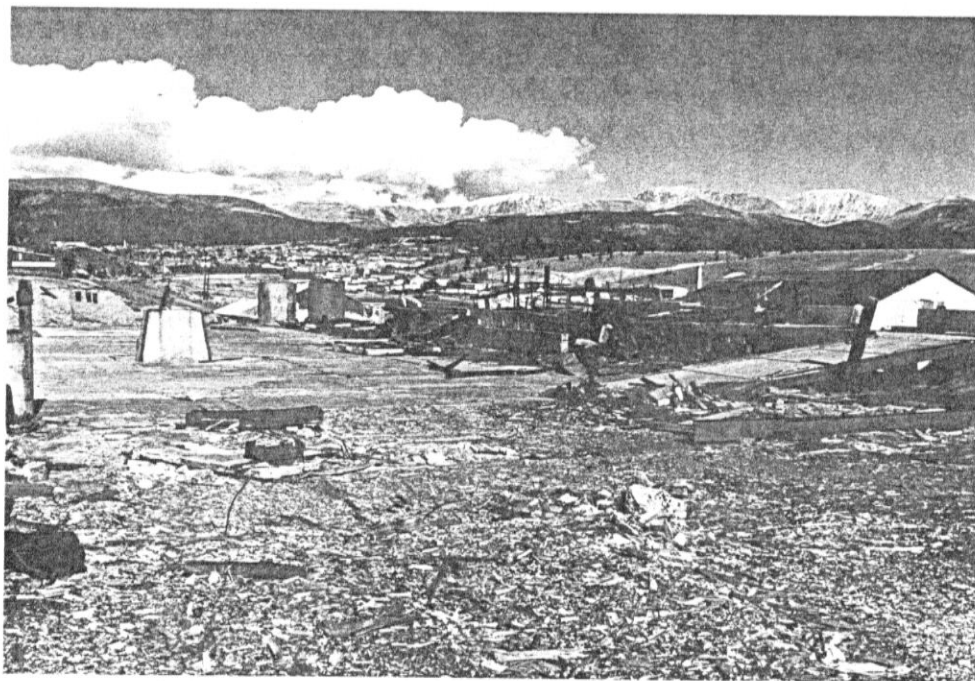
The production of the AV plant continued to decrease in response to decreased production from Leadville District mines. Except for a short period of closure during the depression of 1921, operations continued. In the twenties, through the thirties, forties and fifties, the plant continued working, but rarely with more than one furnace in blast (2). Much of their operation during this period was reworking old slag dumps of the Leadville district and reducing small quantities of ore mined in the Central Rockies (2). Figure 3.3 shows the plant as it appeared in the later years of operations.

According to an excerpt from a taped program on the history of Leadville (available at the Lake County Public Library), the molten slag from the smelter was discharged into cold water and solidified into a fine granulated material during the later years of operations at the AV plant. This process is known as "water-quenching." The size of the particles was greatly influenced by the temperature of the water in that colder water produced smaller particles. Up until this time, the molten slag was placed in large crucibles (or pots) and poured directly onto the slag heap where it was allowed to cool and solidify in the air. This slag is welded together and is referred to as "air-quenched" or "air-cooled."

Estimates of waste generated over the history of the plant would require a more detailed information review of production data for the smelter if it is available from ASARCO records. During a site reconnaissance visit in September 1988, the AV pile was observed to cover a large area approaching 100,000 square feet. The pile has nearly all been disturbed and is only a foot or two thick in some areas. In addition, some remains of the smelter structures are still standing at this location (see Figure 3.4).



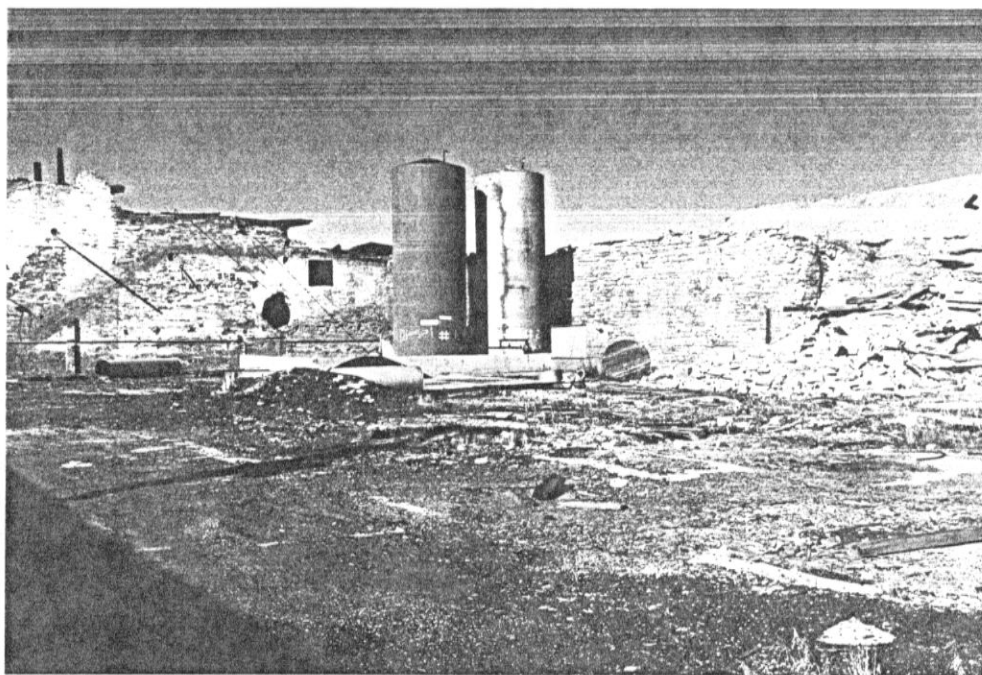
5LK892. View of Feature 1a, furnace building east exterior, looking west.



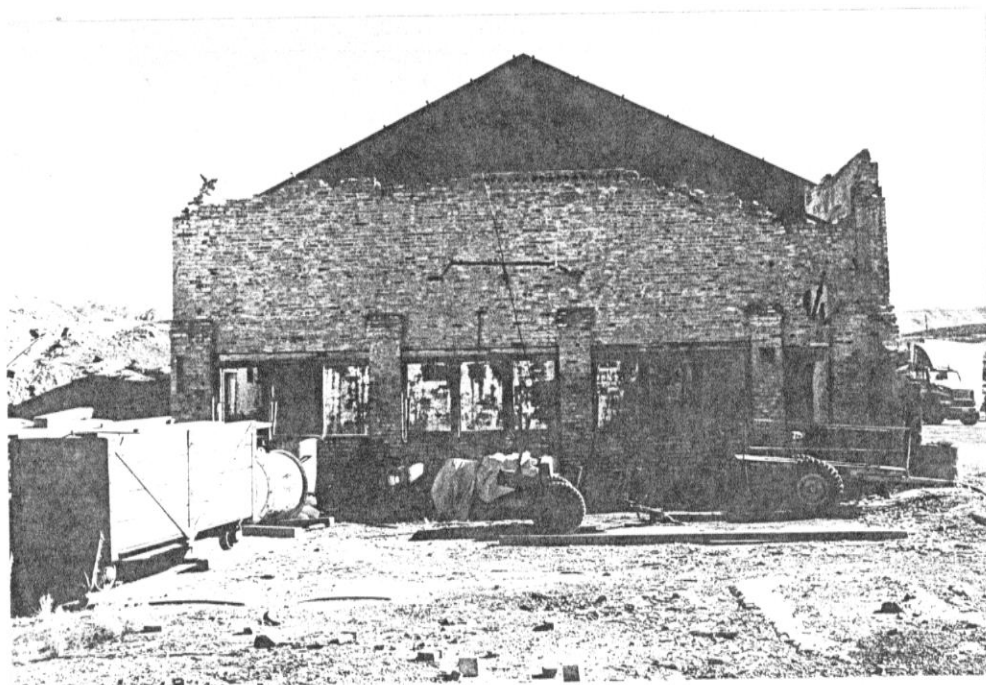
5LK892. View of Feature 1a, charge floor/ore house location, looking northeast.



5LK892. View of Feature 1a, furnace building interior.



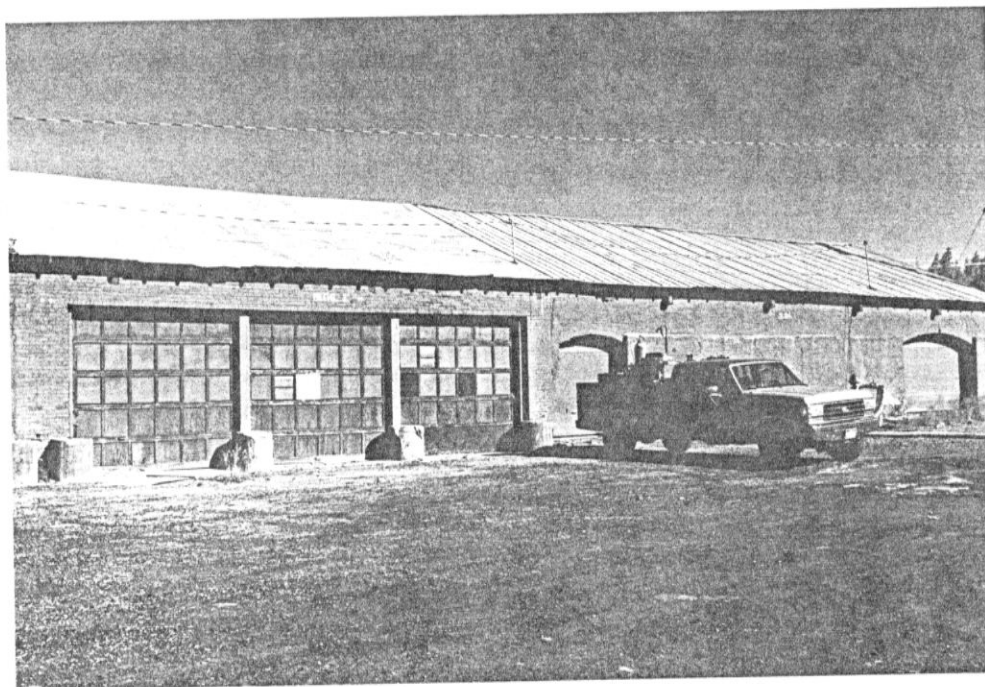
5LK892. View of Feature 1b, power and blower house, looking west.



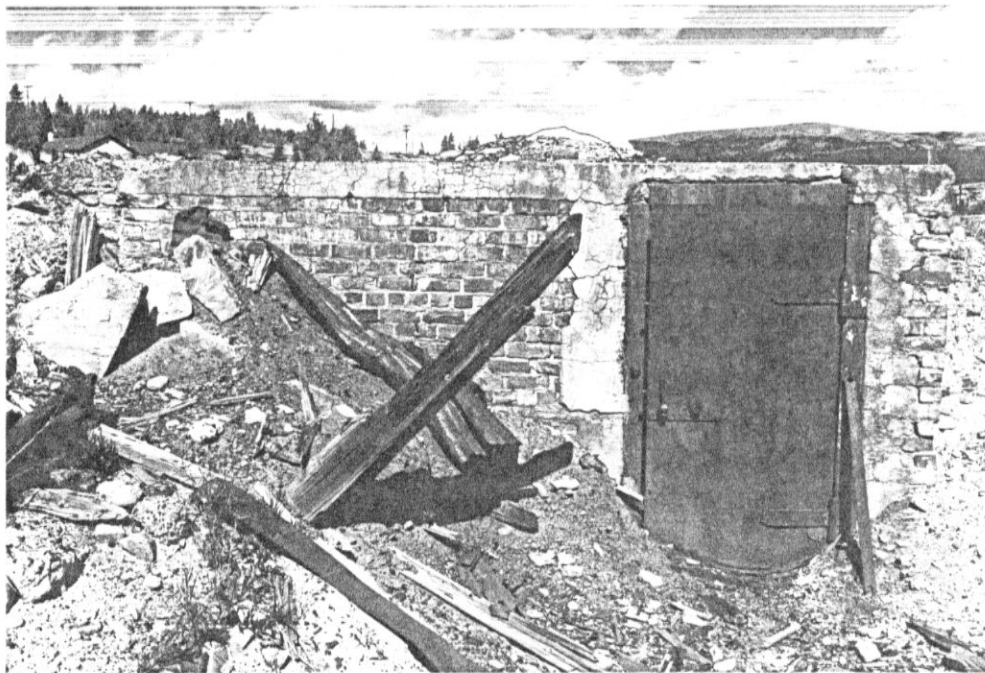
5LK892. View of Feature 1b, power and blower house, north end with switch room, looking northeast.



5LK892. View of Feature 1c, boiler house/mechanics shop, south end, east exterior, looking west.



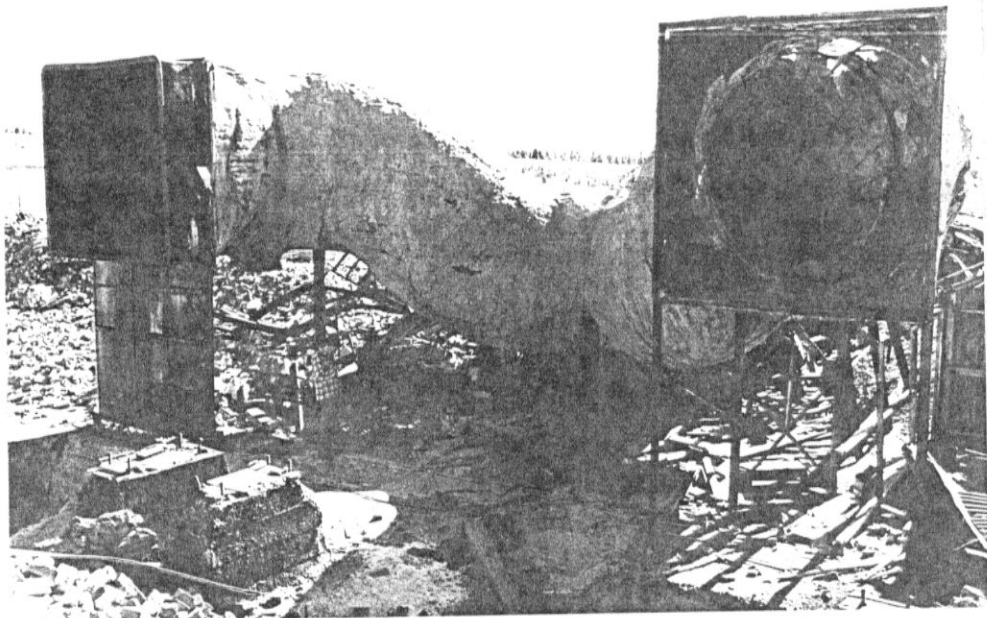
5LK892. View of Feature 1c, boiler house/mechanics shop, north end, east exterior, looking north.



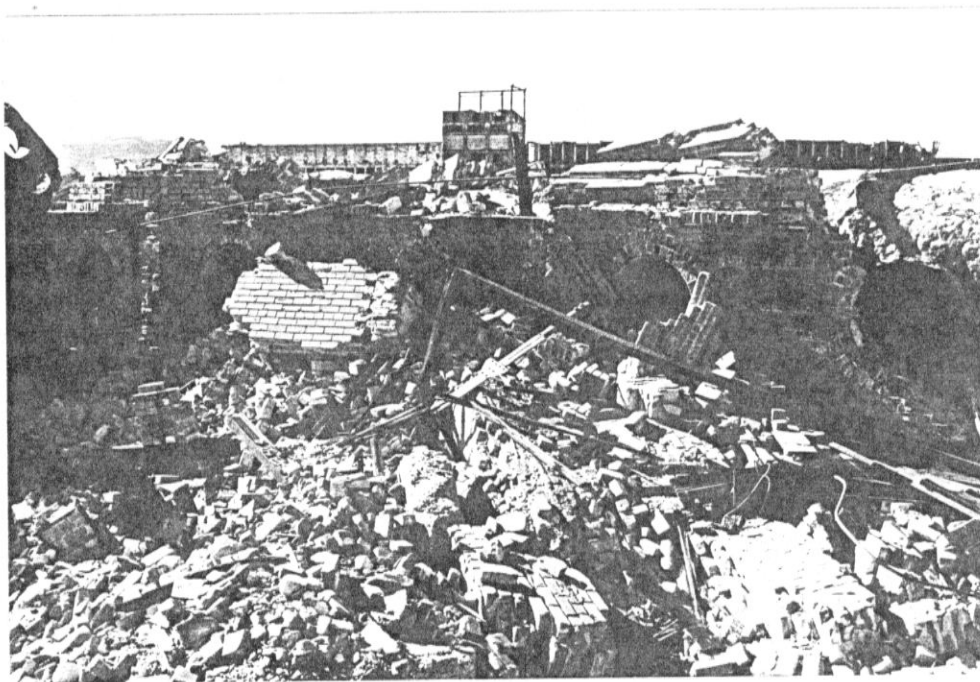
5LK892. View of Feature 1d, unidentified feature, south exterior, looking north.



5LK892. General view of Feature 2, baghouse, from south end looking north.



5LK892. View of Feature 2, exhaust pipes at the baghouse. View looking south.



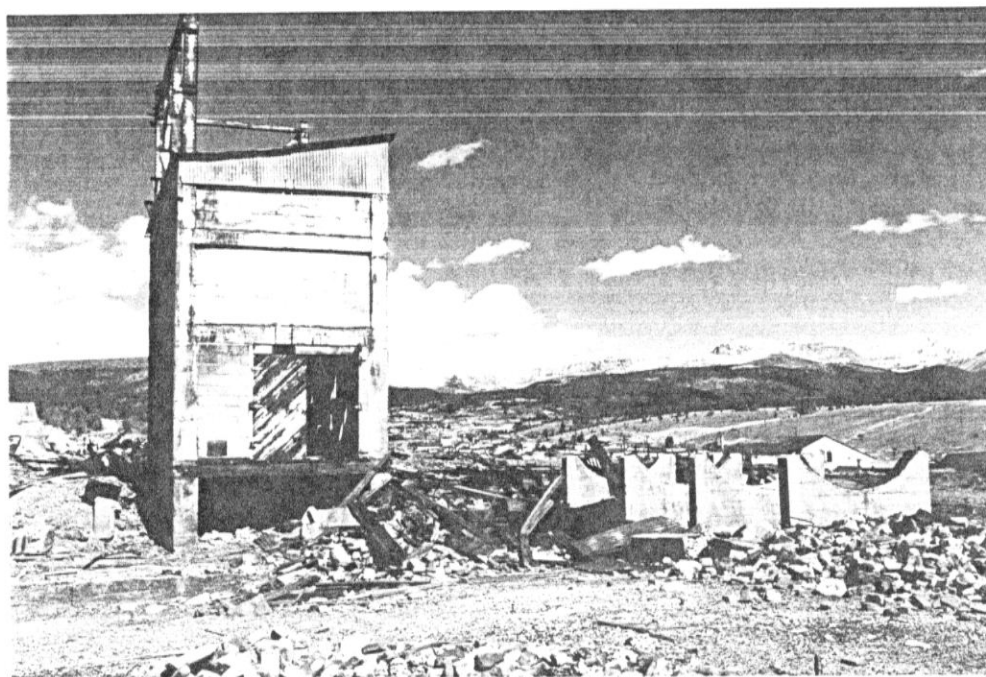
5LK892. View of Feature 2, baghouse wall/flue remains, looking west.



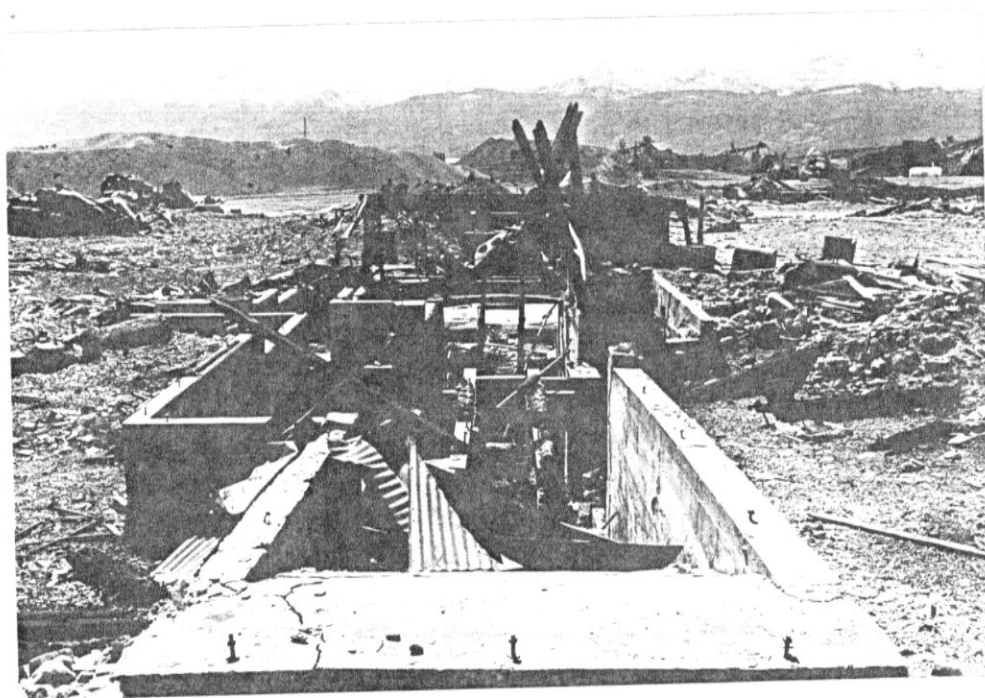
5LK892. View of Feature 2, sheet metal remains of baghouse, looking west.



5LK892. View of Feature 3a, roaster furnace area, looking south.



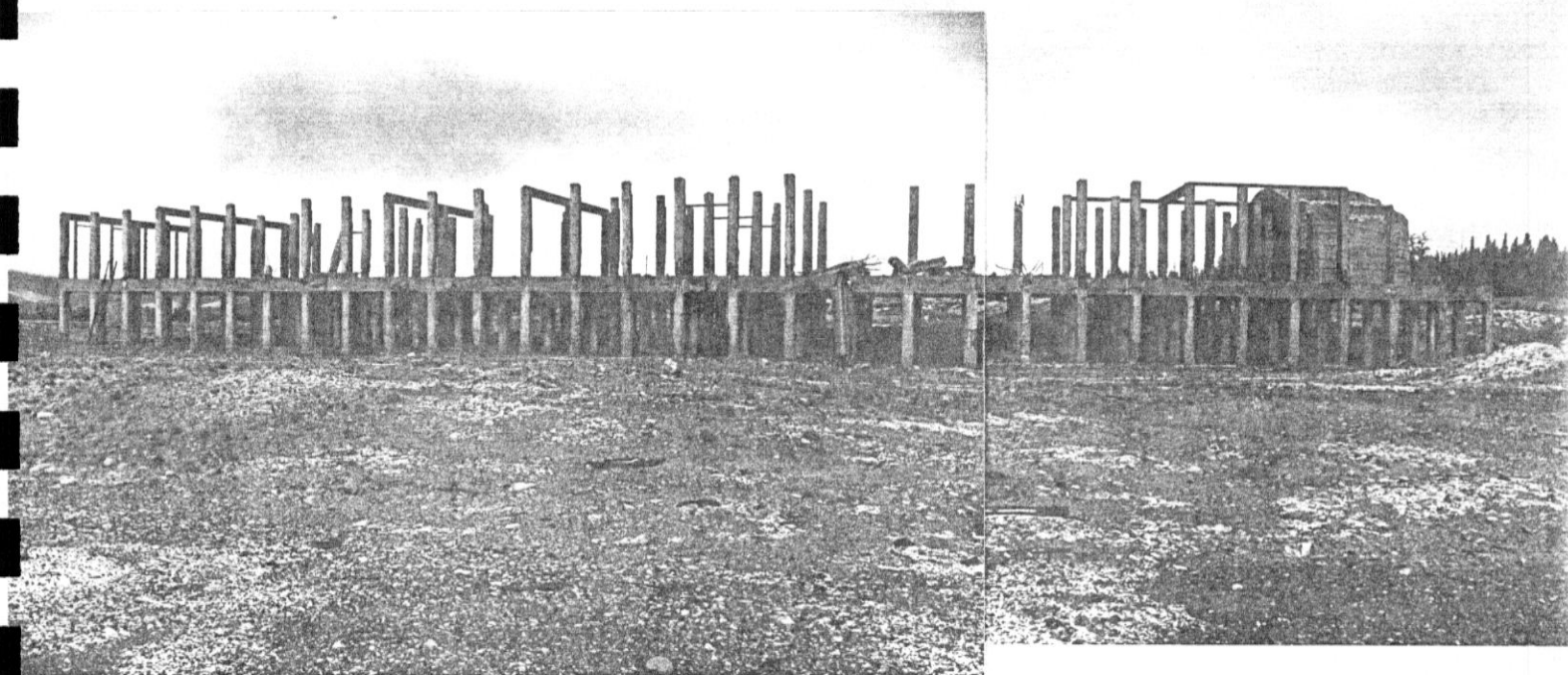
5LK892. View of Feature 3b, unidentified structure, looking east.



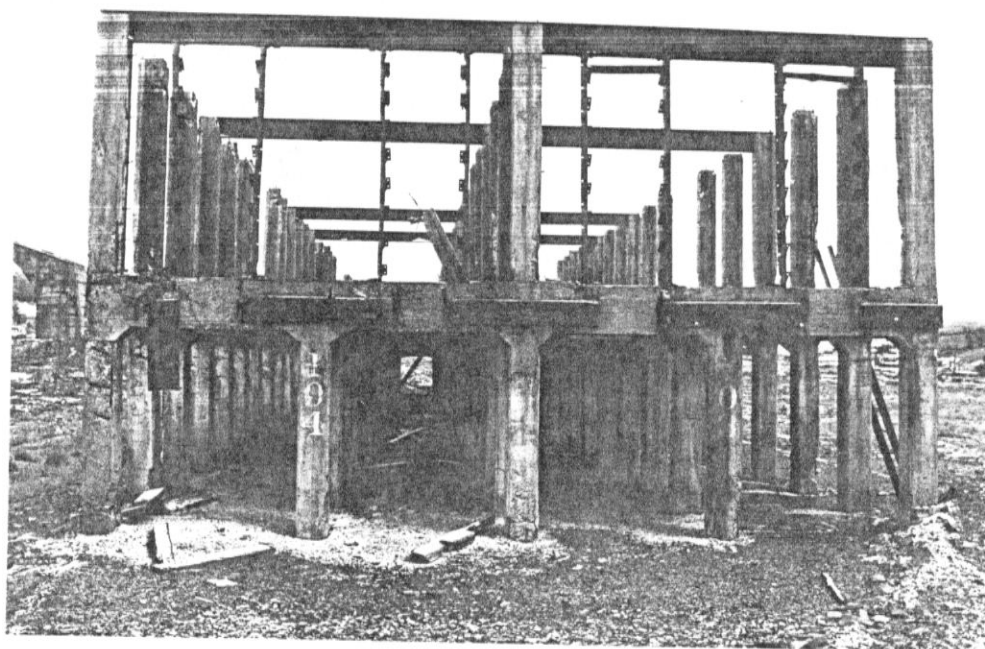
5LK892. View of Feature 3c, mixer, looking south.



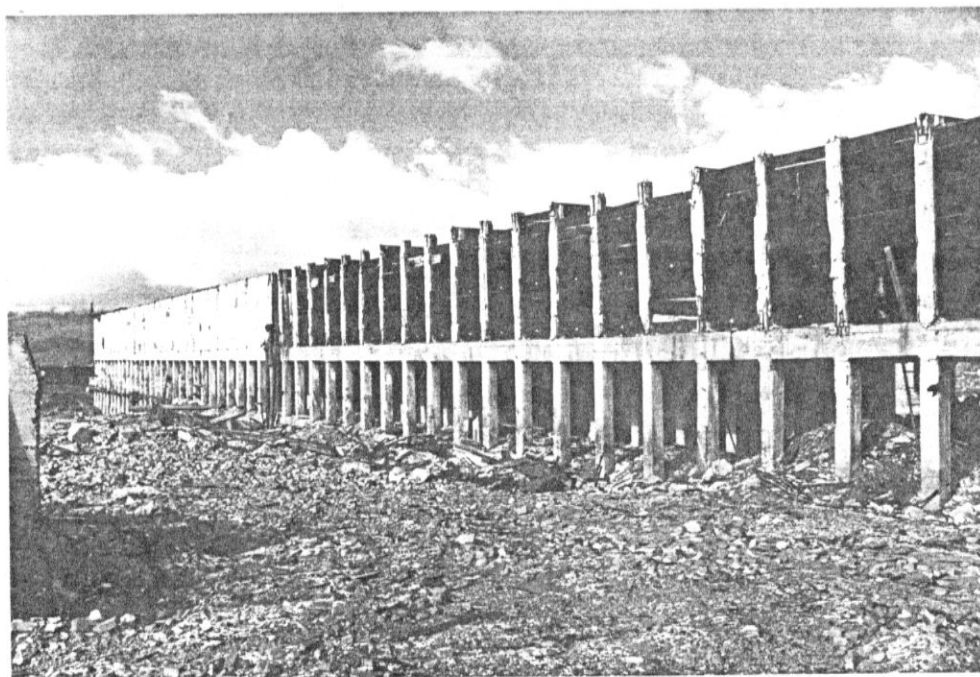
5LK892. View of Feature 3c, mixer, looking northwest.



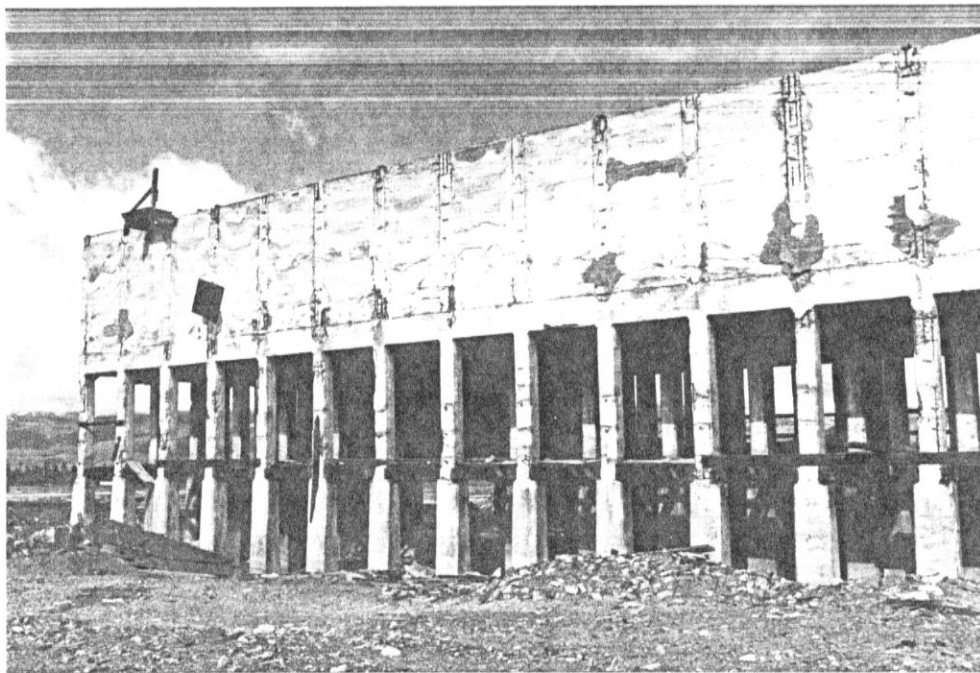
5LK892. View of Feature 4a, ore bin, looking west.



5LK892. Detail view of Feature 4a, south end of ore bin, looking north.



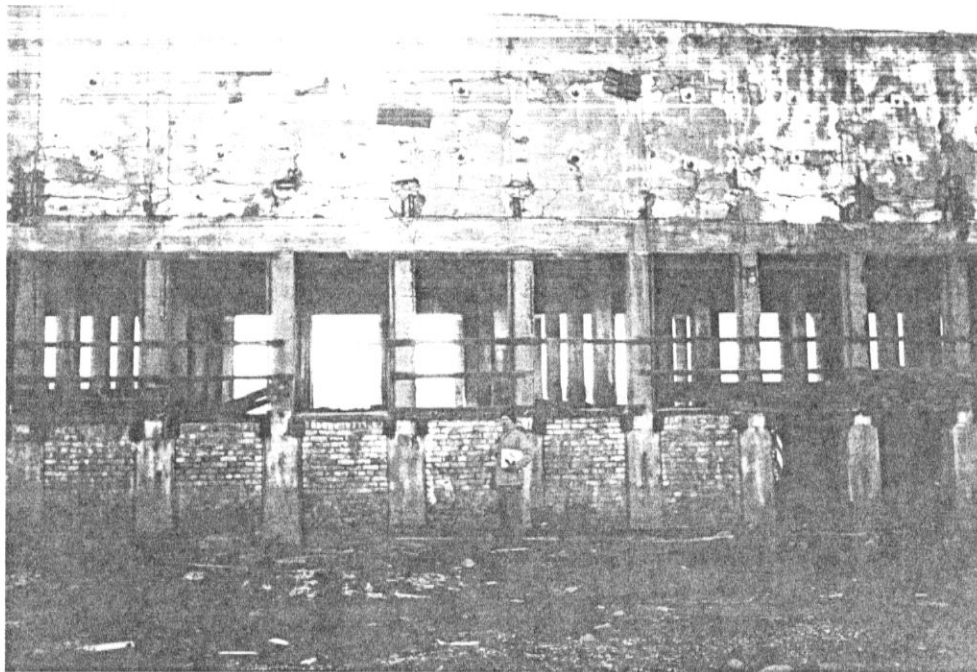
5LK892. View of Feature 4b, ore bin, looking west.



5LK892. Detail view of Feature 4b, ore bin, south end, looking west.



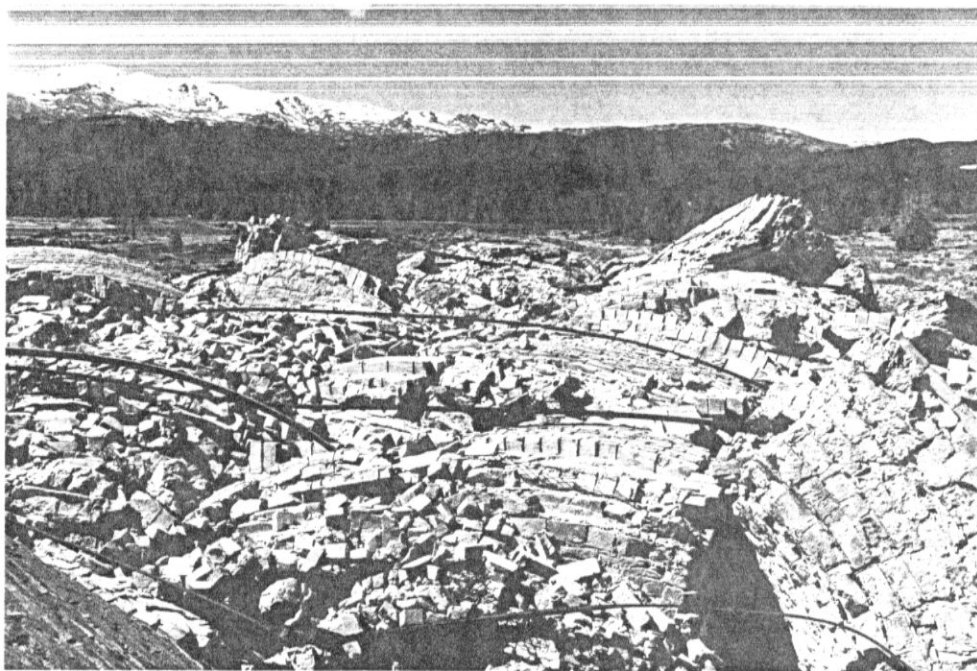
5LK892. Detail view of Feature 4b, ore bin, south end, looking north.



5LK892. Detail view of Feature 4b, ore bin, west exterior wall, looking east.



5LK892. View of Feature 5, stack remains, looking east.



5LK892. Detail view of Feature 5, stack remains, looking west.



5LK892. View of Feature 5, stack base remains, looking east.



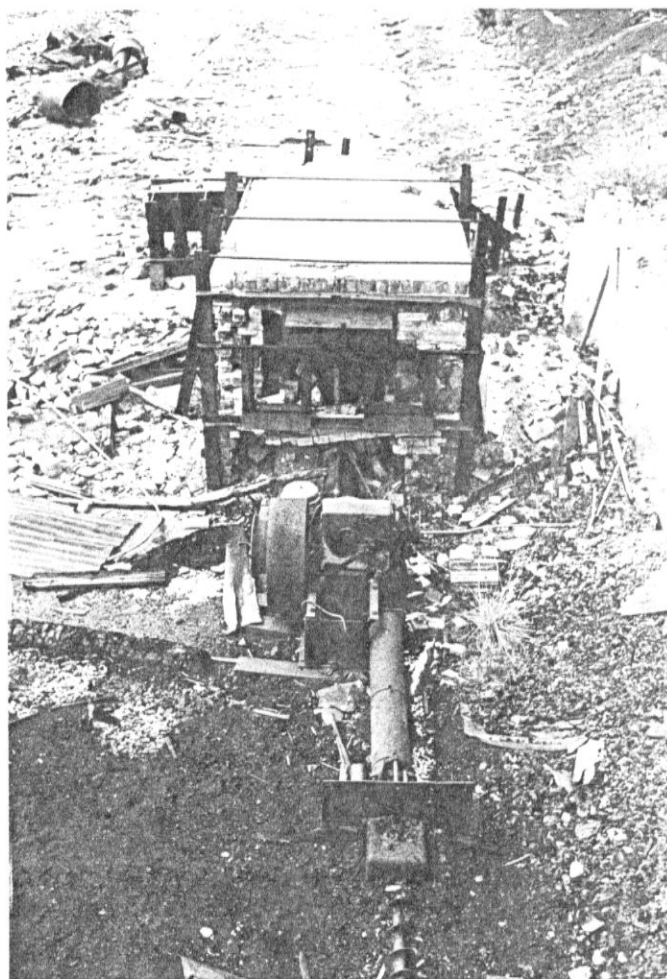
5LK892. Detail view of Feature 5, settling house, looking south.



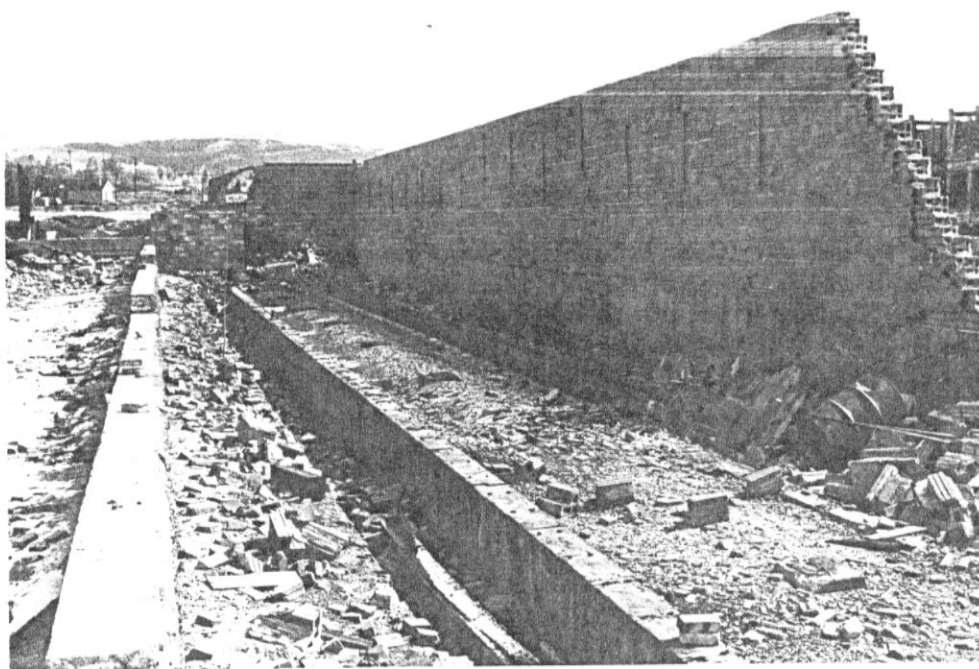
5LK892. View of Feature 6, No.2 Thaw House, looking south.



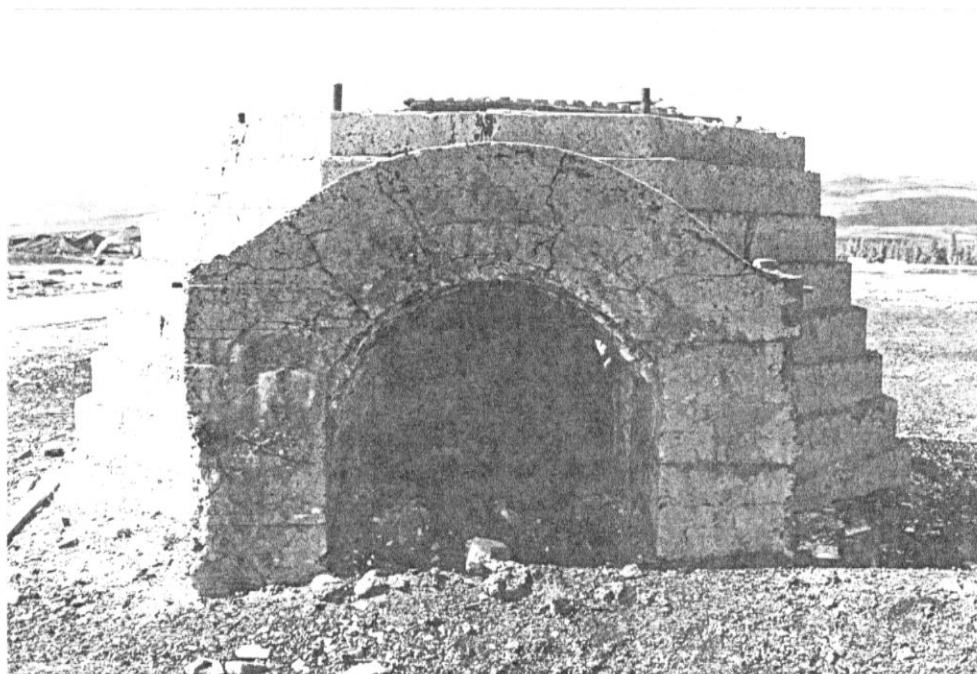
5LK892. Detail view of Feature 6a, heating plant, looking south.



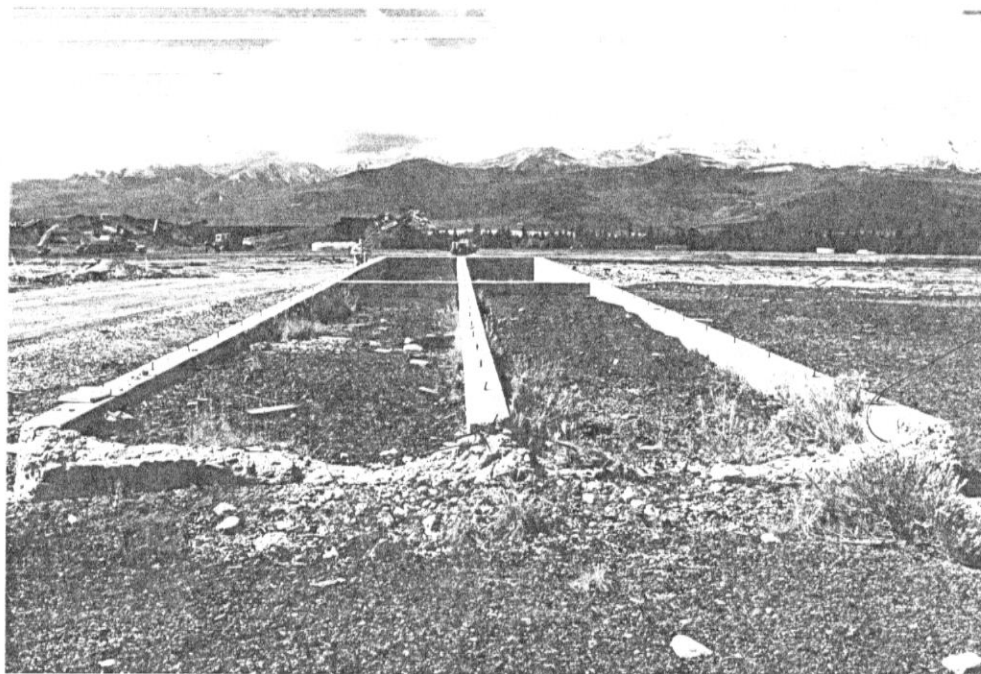
5LK892. View of Feature 6a, heating plant with feeder device, looking south.



5LK892. View of Feature 6, trenches, looking north.



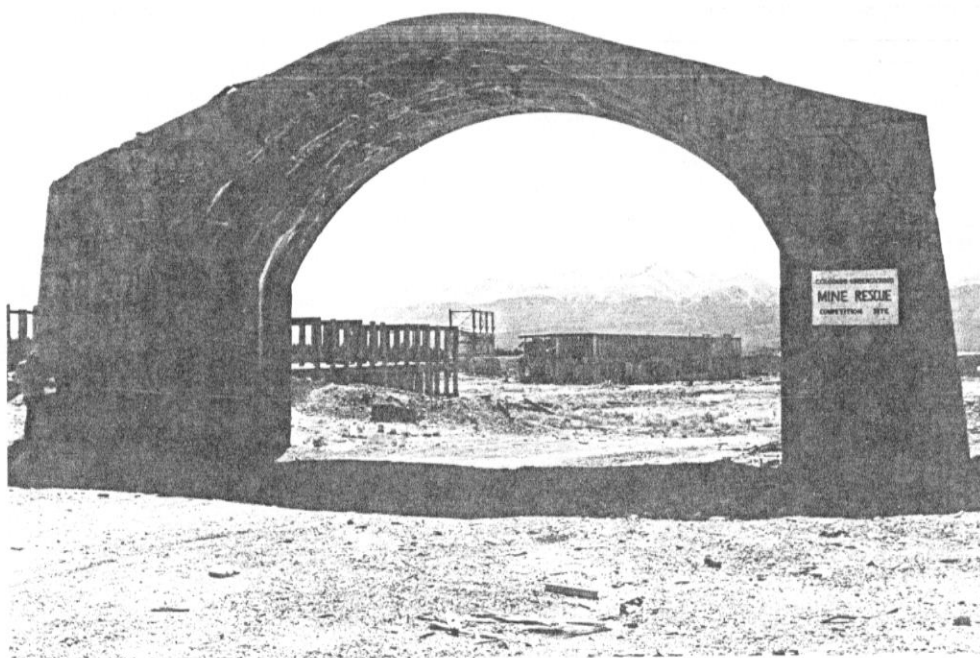
5LK892. View of Feature 6b, stack base, looking south.



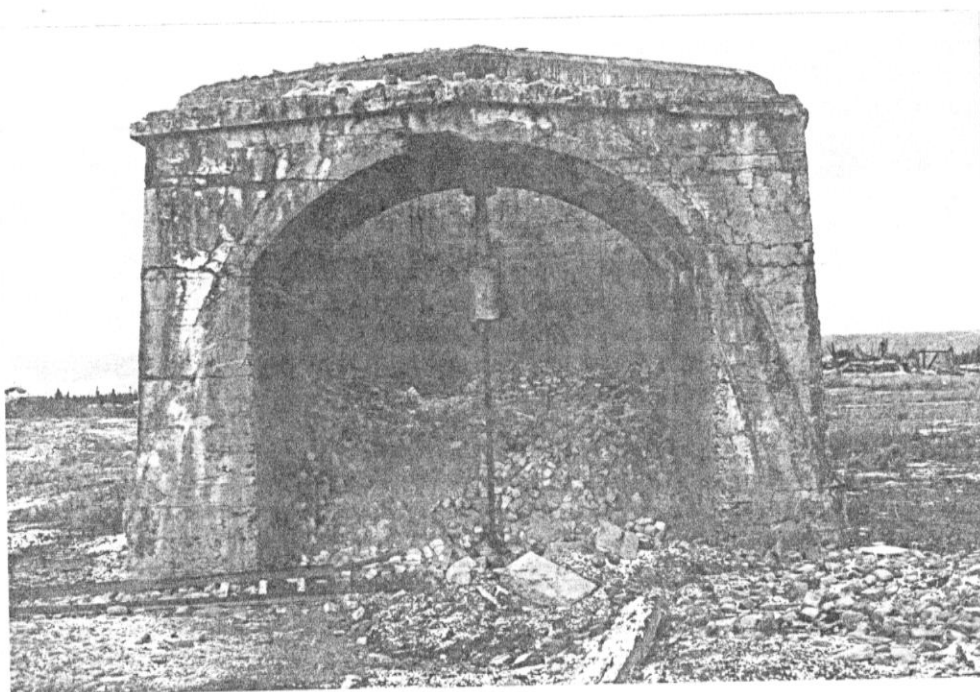
5LK892. Detail view of Feature 6c, concrete foundation, looking south.



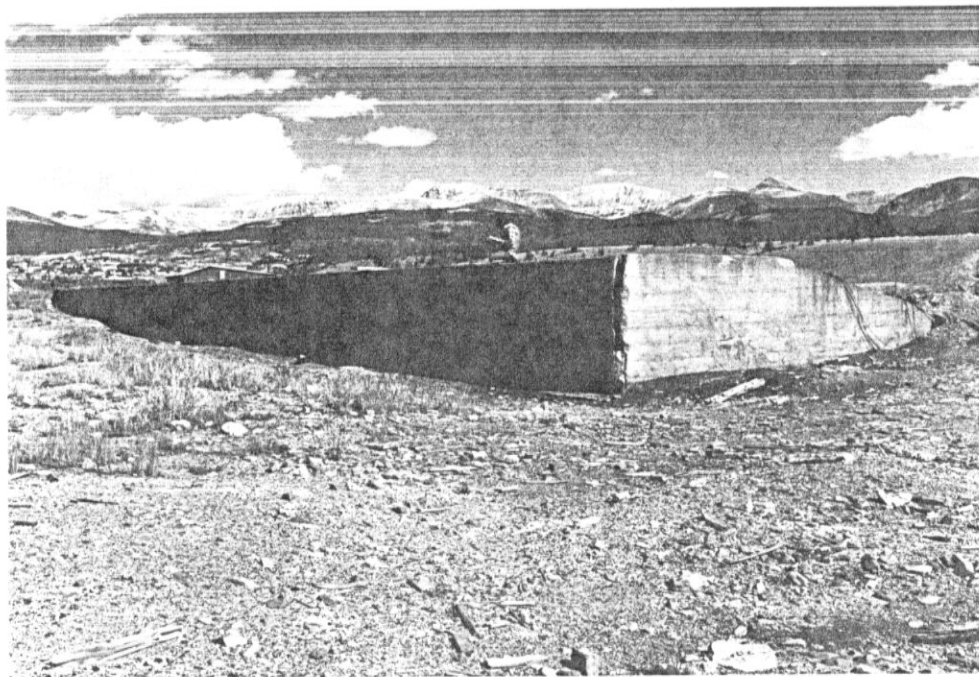
5LK892. View of Feature 6d, foundations, looking south.



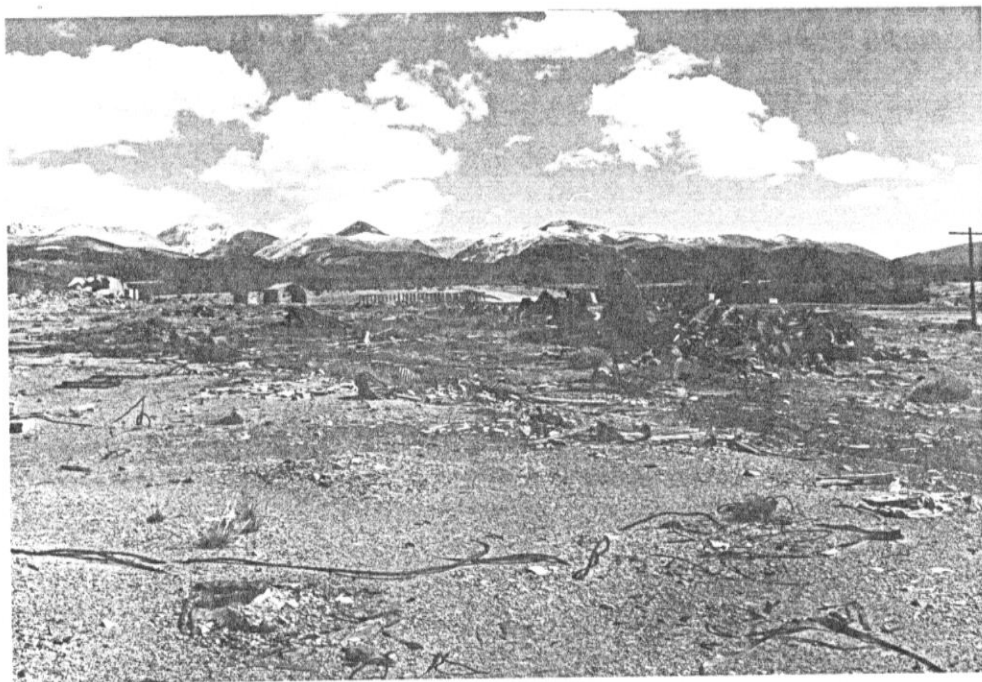
5LK892. View of Feature 7, concrete arch, north side, looking south.



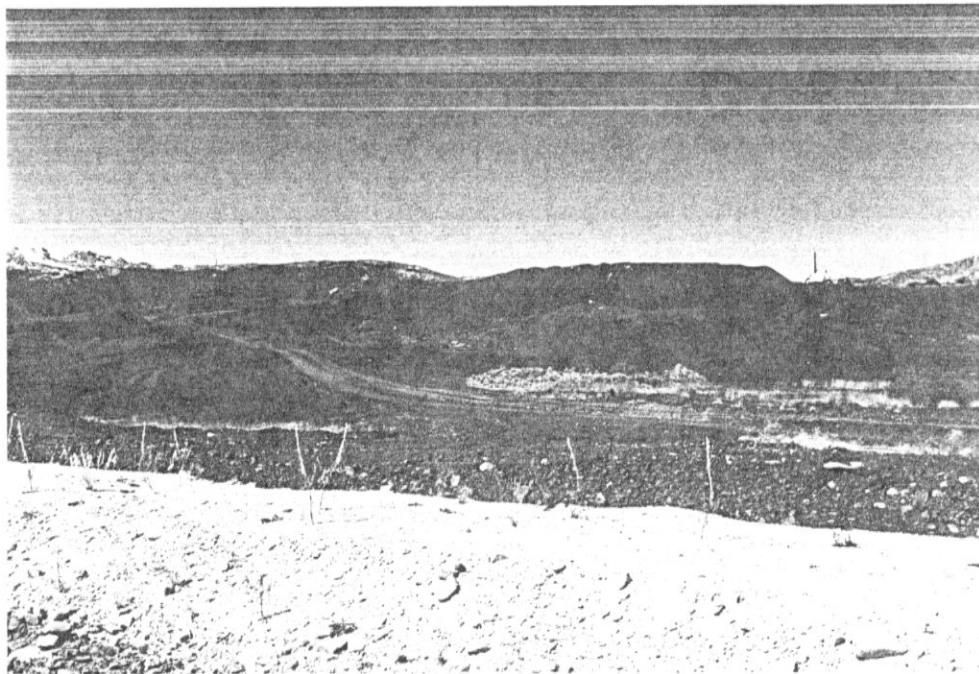
5LK892. View of Feature 8, stack base, looking south.



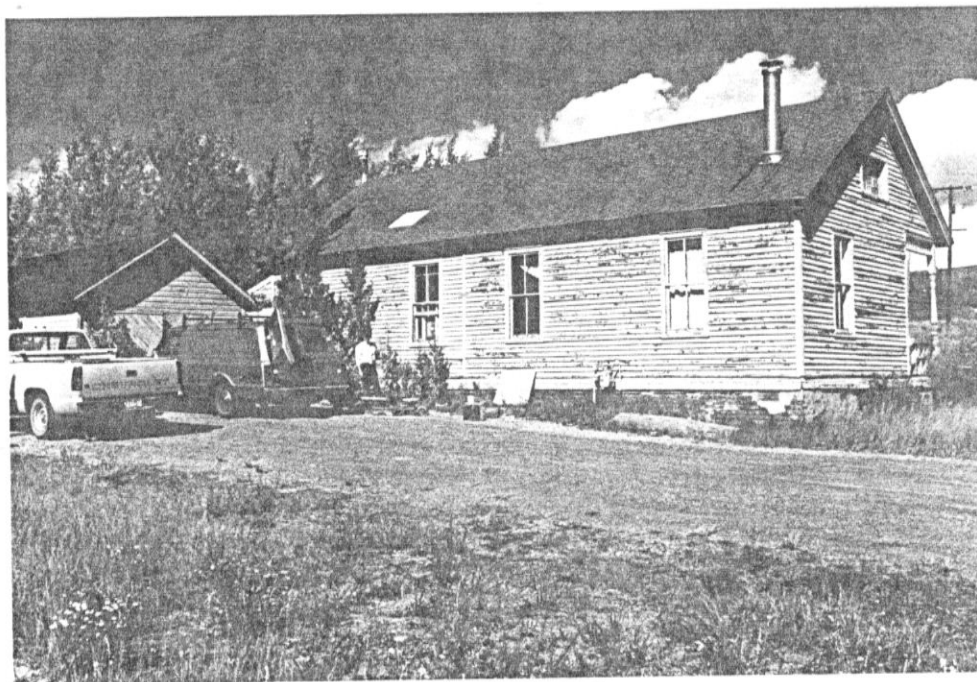
5LK892. View of Feature 9, loading platform, south end, looking east.



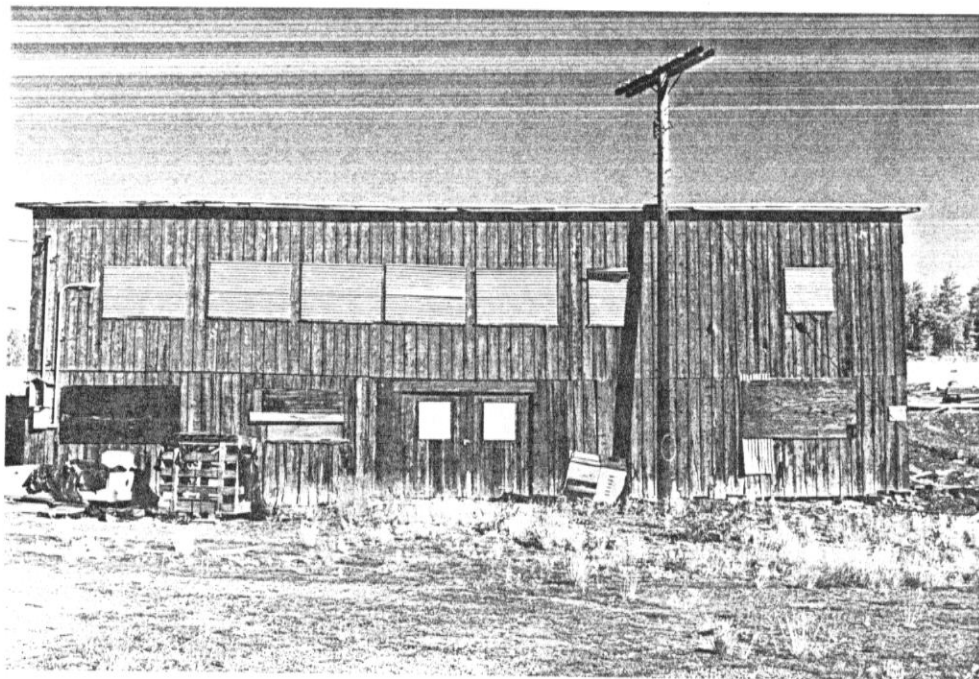
5LK892. View of Feature 10, trash scatter, looking east.



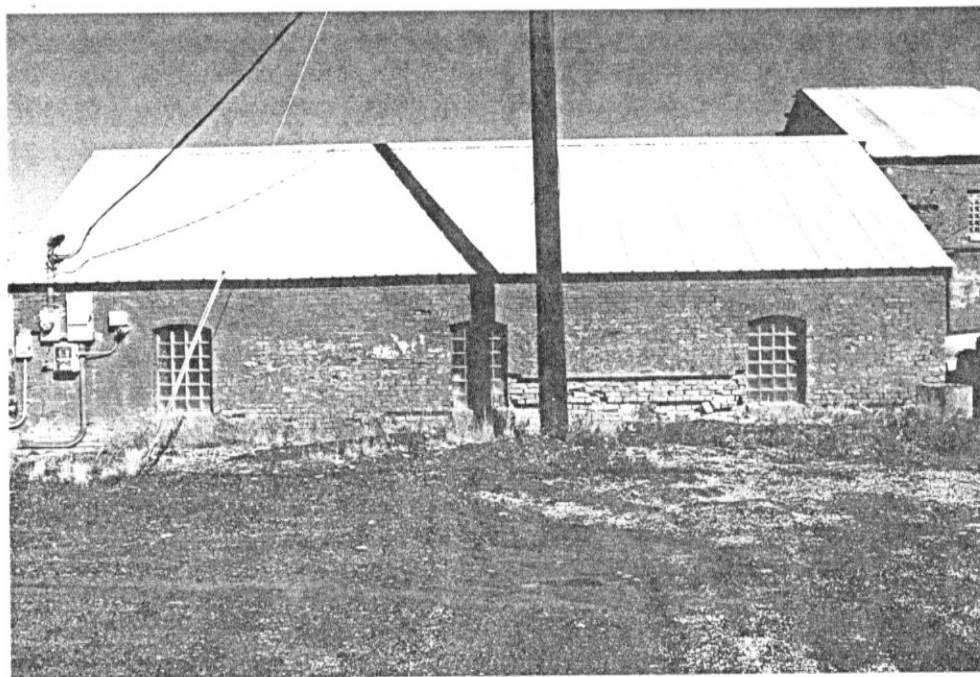
5LK892. View of Feature 11, slag pile, looking west.



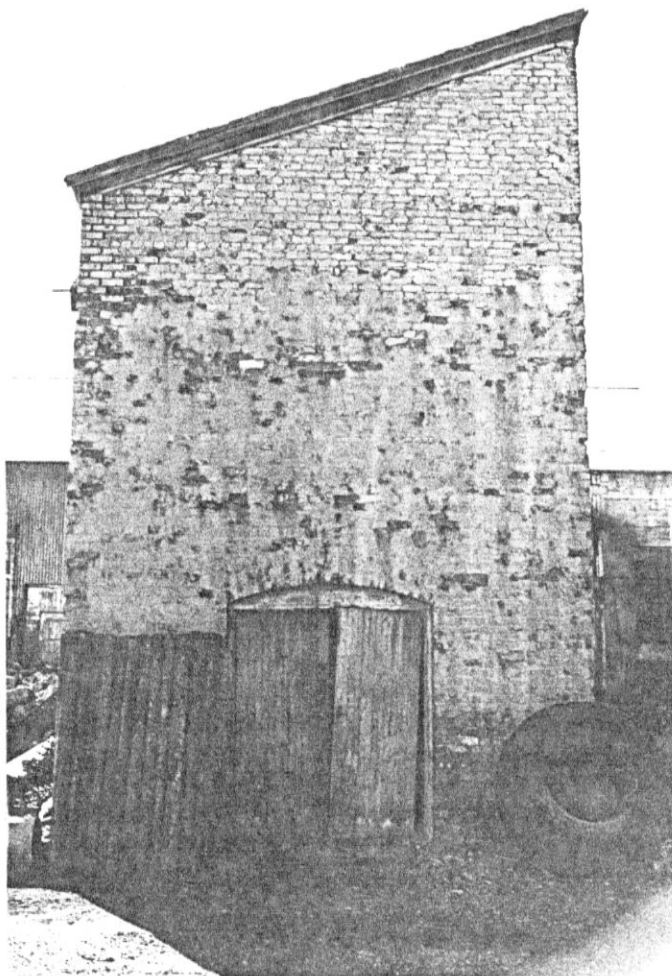
5LK892. View of Feature 12, residential structure, looking north.



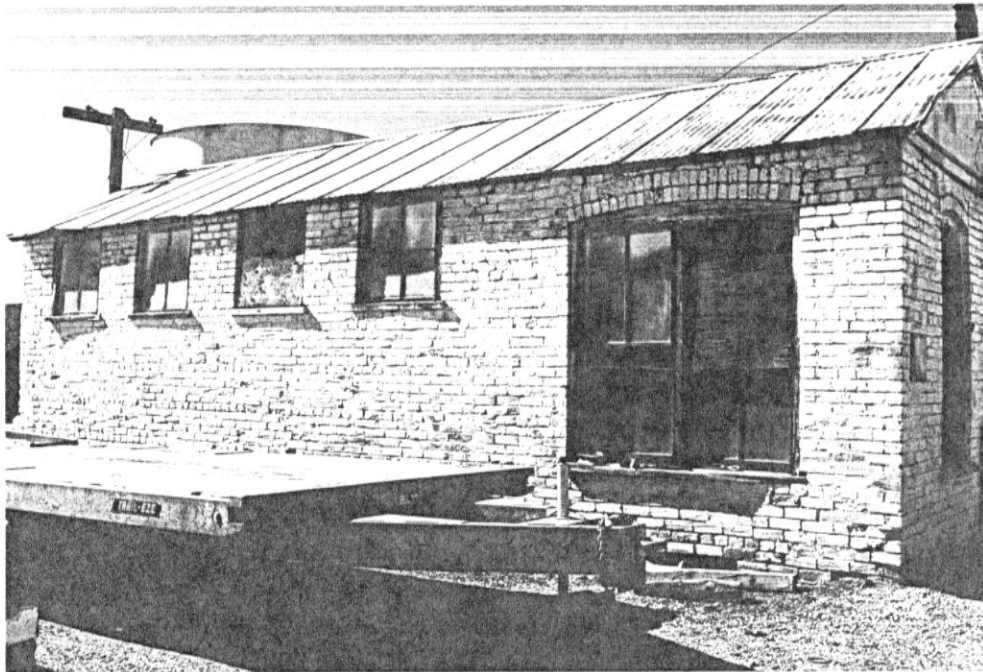
5LK892. View of Feature 13, carpenter's shop, south exterior, looking north.



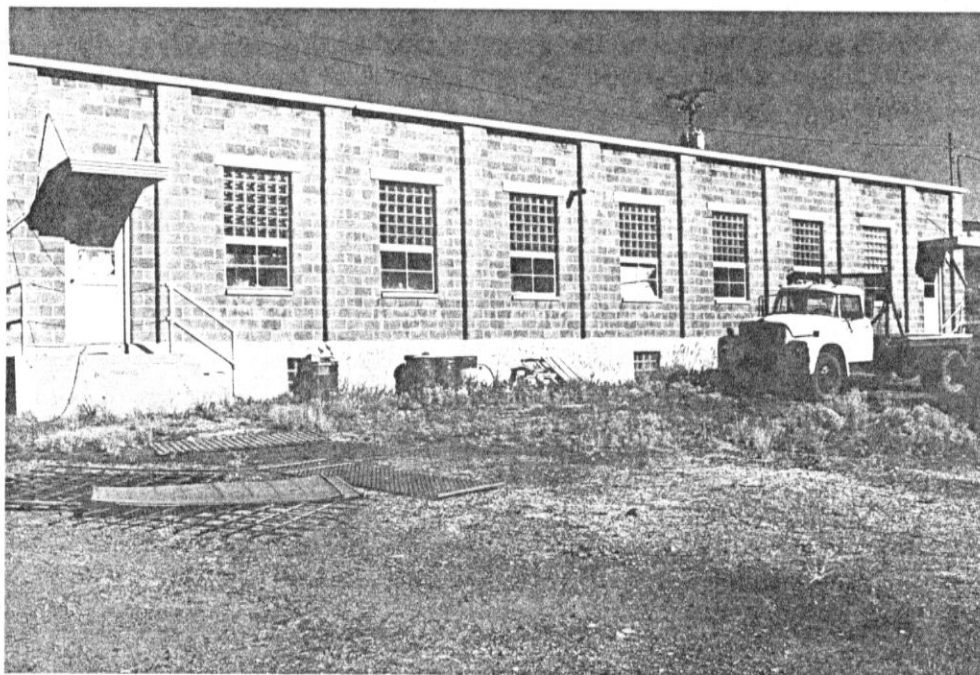
5LK892. View of Feature 14, pumphouse, south exterior, looking north.



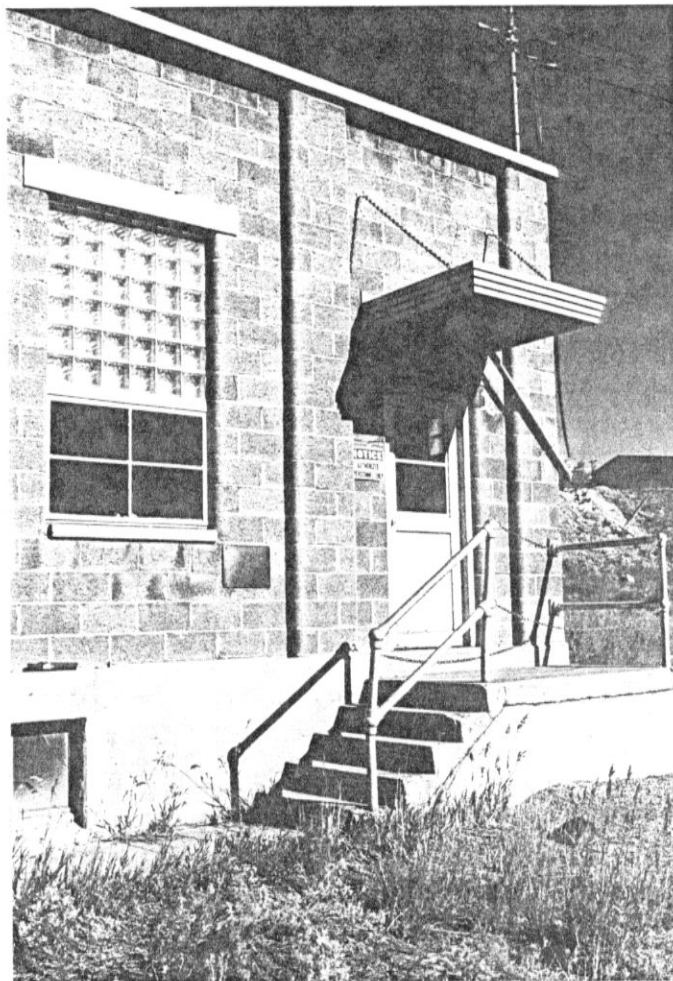
5LK892. View of Feature 15, matte hoist house, west exterior, looking east.



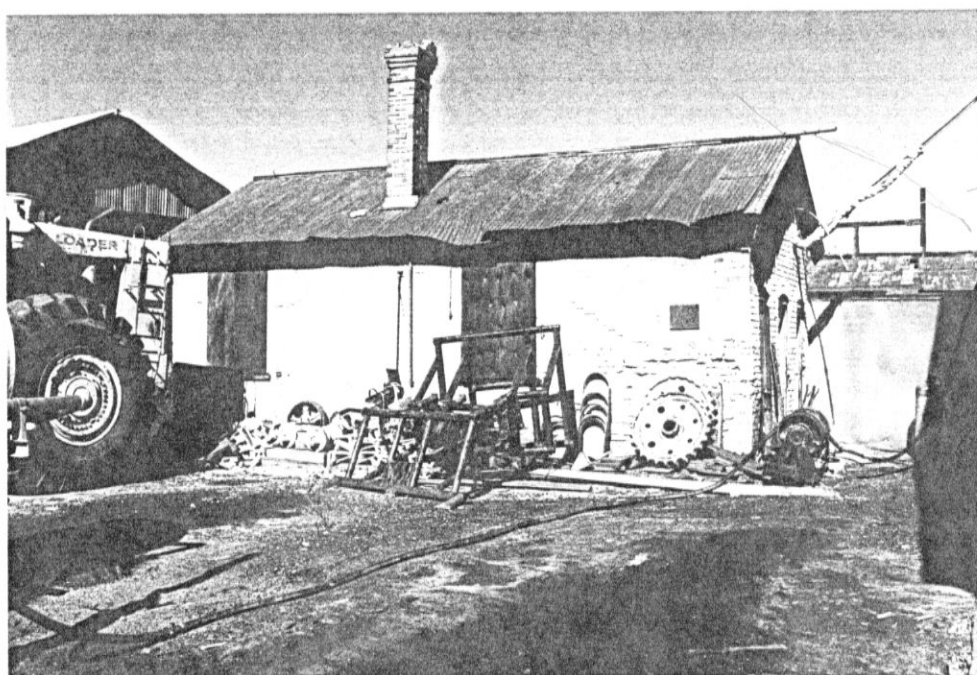
5LK892. View of Feature 16, storage building, east exterior, looking west.



5LK892. View of Feature 17, office/lab, east exterior, looking west.

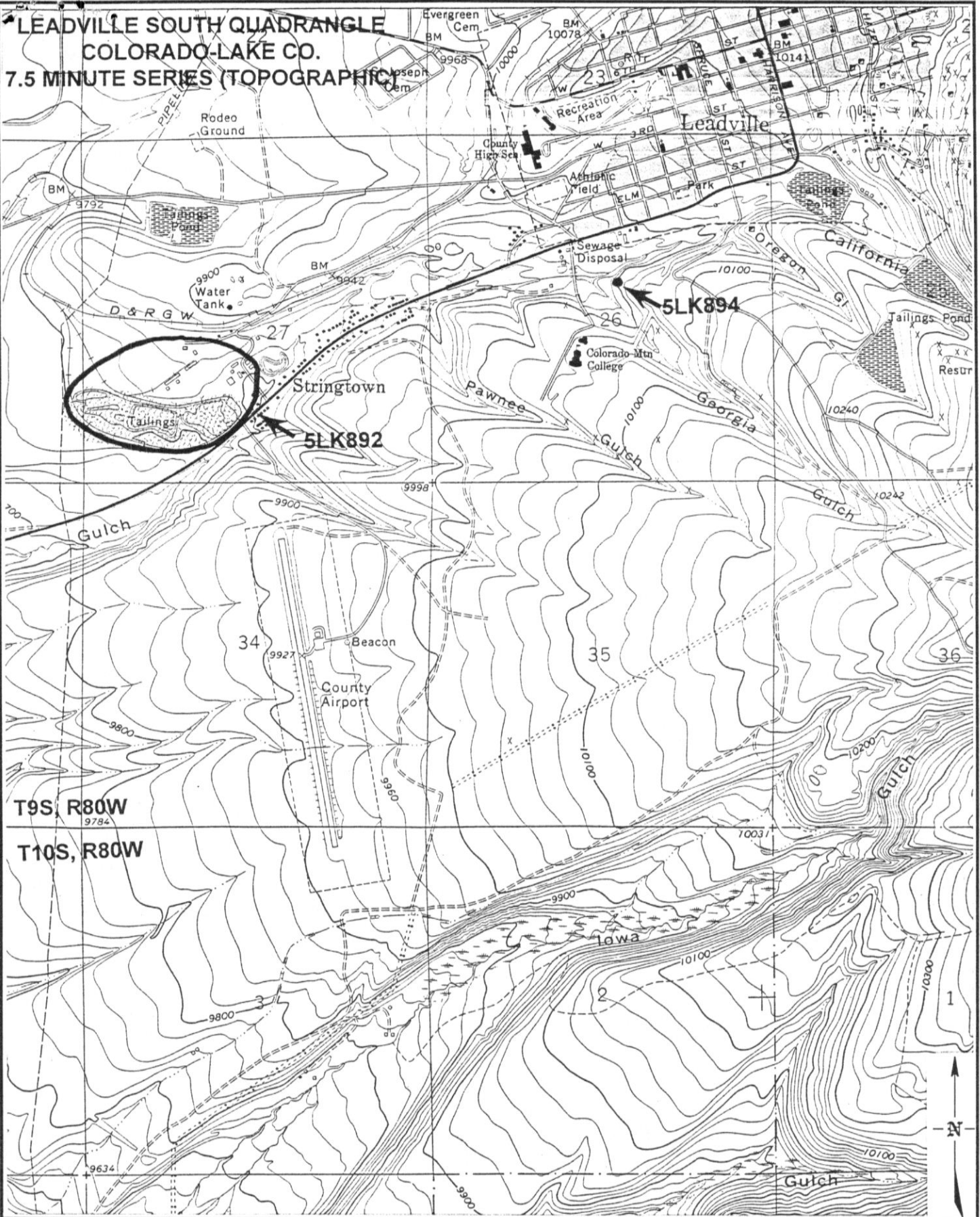


5LK892. View of Feature 17, detail of northeast corner, showing construction details.



5LK892. View of Feature 18, office, east exterior, looking west.

**LEADVILLE SOUTH QUADRANGLE
COLORADO-LAKE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)**



T9S, R80W

T10S, R80W



FOOTHILL ENGINEERING CONSULTANTS, INC.

RESOURCE
LOCATION MAP

DATE:

2/96

SCALE:

1:24000

DRAWN BY:

USGS

Site_	xcoord	ycoord
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2/26/04

5LK.892	385961.0000	4343580.0000
5LK.892	386179.0000	4343410.0000
5LK.892	386007.0000	4343130.0000
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5LK.892	385285.0000	4343350.0000
5LK.892	385520.0000	4343560.0000
5LK.892	385882.0000	4343610.0000

Site Number 5LK.886

Please Note

Some of the items filed with this cultural resource record were not scanned. These items may include:

- Published and copyrighted materials - including newspaper and magazine clippings
- Bound material - including brochures and pamphlets
- Microfiche
- Negatives
- Computer disks or CDs
- Documents
- Items over 17 x 11

These items are stored at the Office of Archaeology and Historic Preservation at the Colorado Historical Society.

X7X11-23

5LK 886

1) Site Number - picture

Site Threatened

2) SITE NAME

Matla School

ADDRESS

E side U.S. 24 just past junction Colo. 300

Lake

T 9S R 80W S 33 SW 1/4 NW 1/4

NE/NW/SW/NW

3) OWNER

4) CONDITION excellent good ☒ fair ruinsbuildings occupied unoccupied ☒5) PHYSICAL DESCRIPTION Building has 1 ☒ 2 3 storiesframe ☒ stone log brick other indicate

painted red w white trim, sm. bell tower, tarpaper roof

6) SIGNIFICANCE Be specific making certain to give date(s). List your sources. If necessary continue on the back.

1902, Dist. 11

13; 383838 mE 4342322 mN

7)

K. Patterson

Name

8614 Yukon, 301 C

Arwada, Co 80005

Address



SAB

5LK.886
Malta SchoolSTATE REGISTER OF HISTORIC PROPERTIES
OWNER CONSENT FORMProperty Name Malta School

Each partial owner must sign a separate form. Photocopy form as needed. All signatures must be notarized.

I Pat Chlouber
(type or print name)President Lake County School Board
titlethe school district is
certify that ~~Pat~~ the sole owner X/partial owner of the land and property located atMalta School Hwy. 24

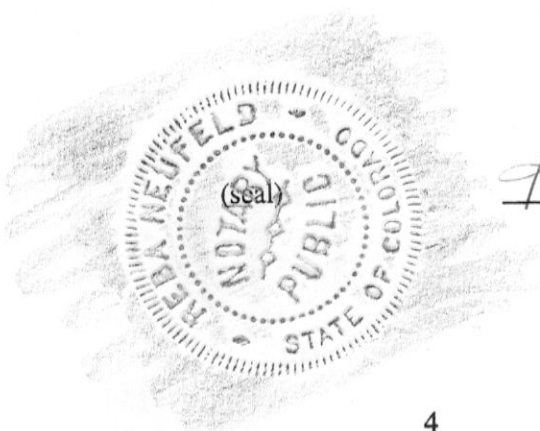
street number

street name

LeadvilleLake County

city

county

and that I hereby give my written consent and approval for this property's nomination to and inclusion in the
State Register of Historic Properties.Pat Chlouber
signatureSubscribed and sworn to before me, in my presence, this 12th day of
September, 1995, a Notary Public in and for the
(county) (state) of Lake County - ColoradoHeba Neufeld
Notary Public



COLORADO
HISTORICAL
SOCIETY

OAHP1414

FOR OFFICIAL USE	Site Number	5LK886
9-14-95 Nomination Received		
Determined	Eligible	Not Eligible
Review Board	Approved	Denied
CHS Board	Approved	Denied
Level of Significance: Natl. State Local		

STATE REGISTER OF
HISTORIC PROPERTIES

NOMINATION FORM

(Please type)

1. Name of Property

Historic Name Malta School

Current Name Malta School

2. Address of Property State Hwy 24 - Malta Curve

number

street

Leadville Lake 80461
city county zip

3. Legal Description of Property P.M. 6 Township 9S Range 80W

NE 1/4 of NW 1/4 of SW 1/4 of NW 1/4 of Section 33 Quad Map

Lot(s) Block Addition

UTM Reference: Zone Easting Northing

Verbal Boundary Description

(describe the boundaries of the nominated property on a continuation sheet)

4. Present Owner of Property

Name Lake County School District R-1

Address 105 Spruce Phone 719-486-0160

City Leadville State CO Zip 80461

(if the property is in multiple ownership, please give the names and addresses of each owner on one or more continuation sheets)

5. Preparer of Nomination

Name Keith Moffett Date Sept. 11, 1995

Organization Lake County School District

Address 105 Spruce Phone 719-486-0160

City Leadville State CO Zip 80461

15. Significance of Property

Nomination Criteria

- ☒ a - property is associated with events that have made a significant contribution to history
- ☐ b - property is connected with persons significant in history
- ☒ c - property has distinctive characteristics of a type, period, method of construction or artisan
- ☐ d - property is of geographic importance
- ☐ e - property contains the possibility of important discoveries related to prehistory or history

Areas of Significance

a. Mining and Raid Road Histor

b. One Room School Construction

16. Significance Statement

(explain the significance of the property on one or more continuation sheets)

17. Bibliography

(cite the books, articles, and other sources used in preparing this form on one or more continuation sheets)

18. Legislative Information

Colorado House District # 61 or Name of Representative Ken Chlouber

Colorado Senate District # 4 or Name of Senator Linda Powers

ADDITIONAL MATERIALS TO ACCOMPANY NOMINATION

19. Sketch Map

20. Photocopy of USGS Map

21. Black & White Photos

22. Color Slides

23. Optional Materials

24. Owner Consent for Nomination

(attach signed and notarized consent from each owner of property - see next page)

STATE REGISTER OF HISTORIC PROPERTIES
CONTINUATION SHEET

Property Name Malta School

Section Number 13 Page 3

Description of the property:

This historic one room school measures approximately 20' x 40'. It is a single story building with belfry complete with bell. Front and rear entrance doors, shuttered windows on north, south and west sides of building.

The interior of the school bears an uncanny resemblance to the attached color photo copy of a one room school. The walls (severely damaged) are lath and plaster with the bottom half covered with wainscotting. The floor is tongue and grooved wood in need of sanding and refinishing. The chimney is still in place, but the pot belly stove has been removed. A small shed and outhouse are located on the south side of the building. A small wood sign hangs above the dooor indicating 1902 and the date of construction.

The foundation is brick and mortar. The rest of the building is wood structure, windows, lath and plaster.

STATE REGISTER OF HISTORIC PROPERTIES
CONTINUATION SHEET

Property Name Malta School

Section Number 14 Page 5

Alterations to the property:

All indications point to the fact the building has never experienced any alterations or modifications. The exterior of the building has been repainted a school house red some twenty plus years ago. The pot belly stove and early day school desks are no longer in the building.

STATE REGISTER OF HISTORIC PROPERTIES
CONTINUATION SHEET

Property Name Malta School

Section Number 16 Page 7

Significance of Statement:

Little has been written or recorded about the town of Malta. We do know it was a small community with a rail head to accommodate the shipment of ore from the Leadville mines to destinations around the country. The rail head community also provided passenger services for commuters. The one room school was surely an integral part of the community. The school is the only remaining historic building in the township.

"

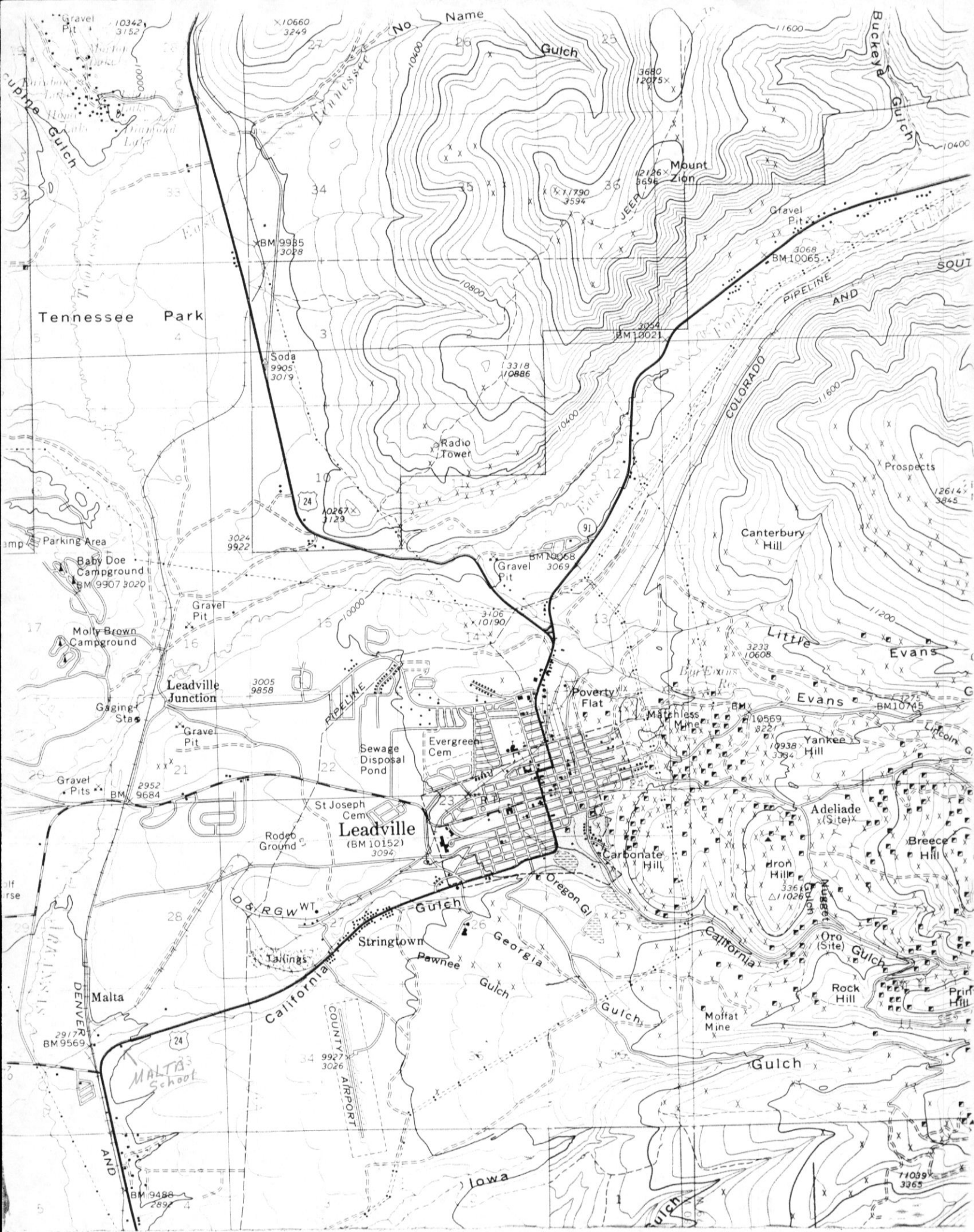
STATE REGISTER OF HISTORIC PROPERTIES
CONTINUATION SHEET

Property Name Malta School

Section Number 17 Page 7

The only thing we can be sure of is the fact the school was built in 1902. It is still standing and in fair condition with some assistance from the State Historical Society the structure can be preserved to near original condition and used as an education tool for present and future generations.

If the property is not listed and repairs are not forthcoming, the school will continue to deteriorate and eventually have to be razed.



**Notification List
State Register Review Board
December 1, 1995**

Property:
Malta School (5LK886)
Colo. Hwy. 24
Leadville

REQUIRED NOTIFICATIONS

1. Owner:
Lake County School District R-1
105 Spruce
Leadville, CO 80461

Phone: 719-486-0160

2. Preparer:
Keith Moffett
Lake County School District
105 Spruce
Leadville, CO 80461
Phone:

3. County Commissioners
James Martin
Commission Chair
Lake County Commissioners
505 Harrison Avenue
Leadville, CO 80461

4. Mayor/Council
N/A

OPTIONAL NOTIFICATIONS

1. Colo. House:
Ken Chlouber

2. Colo. Senate:
Linda Powers

3. Local Historical Society:



COLORADO
HISTORICAL
SOCIETY

The Colorado History Museum 1300 Broadway Denver, Colorado 80203-2137

October 3, 1997

Eleanor Kuhns
11597 Highway 24 South
Leadville, CO 80461

RE: Little Red Schoolhouse, Malta, Lake County and Twin Lakes Schoolhouse, Lake County
5LK886 (7 5LK41 District)

Dear Ms. Kuhns:

Thank you for your recent inquiry concerning historic designation programs administered by the Colorado Historical Society's Office of Archaeology and Historic Preservation. Our office maintains a state inventory of historic properties as well as programs for the State Register of Historic Properties and the National Register of Historic Places. We currently do not have any information on this property in our files. In order for us to evaluate the property for eligibility to the State or National Register, we need you to complete the enclosed Historic Building Inventory Record and check your nomination preference on the attached sheet. You may also request material on other programs administered by our office.

We have enclosed information and the criteria for the State and National Registers. A property must meet one or more of the criteria to be eligible for listing in either of the Registers. Please be specific in describing how your property meets the criteria and why it is significant. Use additional pages if necessary.

Please return the completed inventory form with clear photographs of the building or structure as well as a map indicating the location of the property. Once you have submitted this material to us, we will evaluate the property to determine if it appears to be eligible for nomination. If it is eligible, we will send you the necessary State or National Register nomination materials. We appreciate your interest in historic preservation. If we can be of further assistance, please contact our office at (303) 866-3392.

Sincerely,

Jeanne Conway

Jeanne Conway
Administrative Assistant

Enclosures

11/1/94
(7.19) 486-0160

7/10/96

Annie Butler
P.O. Box 977
Leadville CO
80461

Contacted

~~Unomonan - hold~~
~~Reed ✓ on Friday~~
~~Phemmer~~
~~Capital Life~~ Malta School
Serving on
School District
Committee to

11	OR	effone
26	NR	23 (3 within districts)
37		

SFF Grant

Workshop

Desk → National
State

Mailed 7/12

Rusty put her on Workshop list

8/28/96 Left message for
Annie to call about
program

9/16/96 They will try to
meet 2/14/97 meeting
deadline — Bond election
in Nov. taking time & resources

To Suzanne

Date 11/28 Time 8:45 ☒ AM ☐ PM

WHILE YOU WERE OUT

M Holly

of _____

Phone (____) _____

Area Code

Number

Extension

TELEPHONED

CALLED TO SEE YOU

WANTS TO SEE YOU

PLEASE CALL

WILL CALL AGAIN

URGENT

RETURNED YOUR CALL

Message _____

Re: Maleta Schoolhouse

+ Keith Moffett

(719) 486-0160

reorder 23-700

Operator H



Green Cycle™
RECYCLED PAPER

Gvant

2/15/95



Date

He

Keith on 12/4/95

He doesn't think he
can get info by
12/15. He wants
us to keep nomination
on file for May 1996
meeting

Suzanne

Keith Moffett
(719) 486-0160.
called 11/14

He will be resubmitting
material by 12/1.

Probably will also
submit BHF application
for February round
Luzanne



COLORADO
HISTORICAL
SOCIETY

The Colorado History Museum 1300 Broadway Denver, Colorado 80203-2137

DATE: October 3, 1995

TO: Keith Moffett

SUBJECT: State Register of Historic Properties Nomination - Malta School

I am enclosing the material on the Cherry Creek School and the Doyleville Schoolhouse that should help you in providing us with the additional information we will need on the Malta School property.

Please keep me advised as to your progress. I will be glad to help you with any questions you might have.

Suzanne Doggett
Researcher
(303) 866-4684

Congressional District #: 5

5LK.886

PROPERTY NAME: Malta School House

LOCATION: Hwy. 24 S. & Hwy. 300

Leadville, Colorado 80461

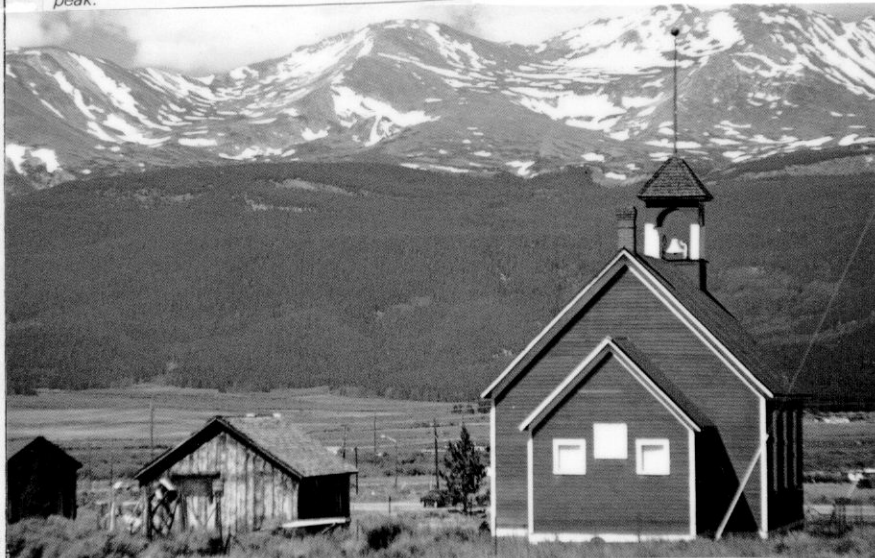
OWNER and ADDRESS: County of Lake

Lake County Courthouse

Leadville, Colorado 80461

IF ENTERED ON THE NATIONAL REGISTER,
EITHER INDIVIDUALLY OR AS PART OF A
DISTRICT, GIVE NAME UNDER WHICH
PROPERTY IS LISTED: _____

MOUNT MASSIVE and old historic schoolhouse
in LEADVILLE, COLORADO. The school was
built in 1902 for District 11. Mount Massive,
elevation 14,421 is Colorado's second highest
peak.



PROPERTY STATUS

OWNERSHIP: ☐ Private ☒ Public ☐ Private Non-Profit

USE: ☐ Income-producing ☒ Non Income-producing

PROTECTION: Is the property under legal protection such as easements or a local
historic district ordinance? ☐ YES ☒ NO

PROPERTY NEEDS

☒ Construction Project

☒ Non-Construction Project

DESCRIBE PROJECT AND NEED (Include current condition, nature of threat(s) to the
property, work items, products of project and benefits to the community):

The structure needs structural repairs and refurbishing. Then, instead of
allowing it to stand vacant and abandoned, it needs to be put to some good
use, such as tourist information center, museum, crafts or antique store, or
other use compatible with its historic and unusual nature. Benefit: giving
new life to an historic structure while generating some kind of income.

ESTIMATED TOTAL PROJECT COST: \$ possibly as high as \$50,000 or more

FOR MORE INFORMATION CONTACT: Lake County Commissioners

TELEPHONE: 719-486-0993

Date this form prepared: 3/12/88

Please return this form to Colorado Preservation Inc., P.O. Box 843, Denver, CO
80201.



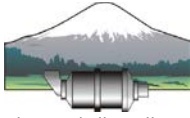






APPENDIX 7-10

COLORADO DEPARTMENT OF TRANSPORTATION - HIGHWAY ACCESS PERMIT



The Leadville Mill

According to a phone call with Brian Killian at the Colorado Department of Transportation on January 14th 2020, the access permit transfers with the land as long as the land use remains the same. Same requirements stated in the permit apply to new landowner.

COLORADO DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ACCESS PERMIT			CDOT Permit No. 311081
<i>PD KJ</i>			State Highway No/Mp/Side 024 A / 178.800 / R
Permit fee \$100.00	Date of transmittal 10/7/2011	Region/Section/Patrol 3 / 02 / 22-2 Mark Lacombe	Local Jurisdiction Lake County

The Permittee(s); Constructive Investments, LLC Holly Michael 6200 S Vivian Street Littleton, CO 80127 303-947-7837		Applicant: Union Milling Company, LLC Holly Michael 6200 S Vivian Street Littleton, CO 80127 303-947-7837	Ref No.:
is hereby granted permission to have an access to the state highway at the location noted below. The access shall be constructed, maintained and used in accordance with this permit, including the State Highway Access Code and any attachments, terms, conditions and exhibits. This permit may be revoked by the issuing authority if at any time the permitted access and its use violate any parts of this permit. The issuing authority, the Department and their duly appointed agents and employees shall be held harmless against any action for personal injury or property damage sustained by reason of the exercise of the permit.			
Location: 13815 Highway 24.			
Access to Provide Service to:		(Land Use Code:)	(Size or Count) (Units)
120 - General Heavy Industrial - Mill Operation			20 DHV
147 - Storage Yard - Lake County Concrete Property			1 ADT
Additional Information: Allen K and Barbara J. Phillips, PO Box 1777, Leadville, CO 80461 are additional Permittees on the permit			

MUNICIPALITY OR COUNTY APPROVAL Required only when the appropriate local authority retains issuing authority.			
Signature	Print Name	Title	Date

Upon the signing of this permit the permittee agrees to the terms and conditions and referenced attachments contained herein. All construction shall be completed in an expeditious and safe manner and shall be finished within 45 days from initiation. The permitted access shall be completed in accordance with the terms and conditions of the permit prior to being used.

The permittee shall notify Marc Quintana with the Colorado Department of Transportation in Grand Junction, Colorado at (719) 486-2044, at least 48 hours prior to commencing construction within the State Highway right-of-way.

The person signing as the permittee must be the owner or legal representative of the property served by the permitted access and have full authority to accept the permit and its terms and conditions.

Permittee Signature <i>Holly Michael</i>	Print Name Holly Michael	Date 10-7-11
<i>Allen K Phillips</i>	Allen K Phillips	10-7-2011
<i>Barbara J. Phillips</i>	Barbara S. Phillips	10-7-2011

This permit is not valid until signed by a duly authorized representative of the Department.
COLORADO DEPARTMENT OF TRANSPORTATION

Signature <i>Daniel Roussin</i>	Print Name Daniel Roussin	Title Asst. Mgr.	Date (of issue) 10-13-2011
------------------------------------	------------------------------	---------------------	-------------------------------

The following paragraphs are excerpts of the State Highway Access Code. These are provided for your convenience but do not alleviate compliance with all sections of the Access Code. A copy of the State Highway Access Code is available from your local issuing authority (local government) or the Colorado Department of Transportation (Department). When this permit was issued, the issuing authority made its decision based in part on information submitted by the applicant, on the access category which is assigned to the highway, what alternative access to other public roads and streets is available, and safety and design standards. Changes in use or design not approved by the permit or the issuing authority may cause the revocation or suspension of the permit.

APPEALS

1. Should the permittee or applicant object to the denial of a permit application by the Department or object to any of the terms or conditions of a permit placed there by the Department, the applicant and permittee (appellant) have a right to appeal the decision to the [Transportation] Commission [of Colorado]. To appeal a decision, submit a request for administrative hearing to the Transportation Commission of Colorado within 60 days of transmittal of notice of denial or transmittal of the permit for signature. Submit the request to the Transportation Commission of Colorado, 4201 East Arkansas Avenue, Denver, Colorado 80222-3400. The request shall include reasons for the appeal and may include changes, revisions, or conditions that would be acceptable to the permittee or applicant.

2. Any appeal by the applicant or permittee of action by a local issuing authority shall be filed with the local authority and be consistent with the appeal procedures of the local authority.

3. In submitting the request for administrative hearing, the appellant has the option of including within the appeal a request for a review by the Department's internal administrative review committee pursuant to [Code] subsection 2.10. When such committee review is requested, processing of the appeal for formal administrative hearing, 2.9(5) and (6), shall be suspended until the appellant notifies the Commission to proceed with the administrative hearing, or the appellant submits a request to the Commission or the administrative law judge to withdraw the appeal. The two administrative processes, the internal administrative review committee, and the administrative hearing, may not run concurrently.

4. Regardless of any communications, meetings, administrative reviews or negotiations with the Department or the internal administrative review Committee regarding revisions or objections to the permit or a denial, if the permittee or applicant wishes to appeal the Department's decision to the Commission for a hearing, the appeal must be brought to the Commission within 60 days of transmittal of notice of denial or transmittal of the permit.

PERMIT EXPIRATION

1. A permit shall be considered expired if the access is not under construction within one year of the permit issue date or before the expiration of any authorized extension. When the permittee is unable to commence construction within one year after the permit issue date, the permittee may request a one year extension from the issuing authority. No more than two one-year extensions may be granted under any circumstances. If the access is not under construction within three years from date of issue the permit will be considered expired. Any request for an extension must be in writing and submitted to the issuing authority before the permit expires. The request should state the reasons why the extension is necessary, when construction is anticipated, and include a copy of page 1 (face of permit) of the access permit. Extension approvals shall be in writing. The local issuing authority shall obtain the concurrence of the Department prior to the approval of an extension, and shall notify the Department of all denied extensions within ten days. Any person wishing to reestablish an access permit that has expired may begin again with the application procedures. An approved Notice to Proceed, automatically renews the access permit for the period of the Notice to Proceed.

CONSTRUCTION

1. Construction may not begin until a Notice to Proceed is approved. (Code subsection 2.4)

2. The construction of the access and its appurtenances as required by the terms and conditions of the permit shall be completed at the expense of the permittee except as provided in subsection 2.14. All materials used in the construction of the access within the highway right-of-way or on permanent easements, become public property. Any materials removed from the highway right-of-way will be disposed of only as directed by the Department. All fencing, guard rail, traffic control devices and other equipment and materials removed in the course of access construction shall be given to the Department unless otherwise instructed by the permit or the Department inspector.

3. The permittee shall notify the individual or the office specified on the permit or Notice to Proceed at least two working days prior to any construction within state highway right-of-way. Construction of the access shall not proceed until both the access permit and the Notice to Proceed are issued. The access shall be completed in an expeditious and safe manner and shall be finished within 45 days from initiation of construction within the highway right-of-way. A construction time extension not to exceed 30 working days may be requested from the individual or office specified on the permit.

4. The issuing authority and the Department may inspect the access during construction and upon completion of the access to ensure that all terms and conditions of the permit are met. Inspectors are authorized to enforce the conditions of the permit during construction and to halt any activities within state right-of-way that do not comply with the provisions of the permit, that conflict with concurrent highway construction or maintenance work, that endanger

highway property, natural or cultural resources protected by law, or the health and safety of workers or the public.

5. Prior to using the access, the permittee is required to complete the construction according to the terms and conditions of the permit. Failure by the permittee to abide by all permit terms and conditions shall be sufficient cause for the Department or issuing authority to initiate action to suspend or revoke the permit and close the access. If in the determination of the Department or issuing authority the failure to comply with or complete the construction requirements of the permit create a highway safety hazard, such shall be sufficient cause for the summary suspension of the permit. If the permittee wishes to use the access prior to completion, arrangements must be approved by the issuing authority and Department and included in the permit. The Department or issuing authority may order a halt to any unauthorized use of the access pursuant to statutory and regulatory powers. Reconstruction or improvement of the access may be required when the permittee has failed to meet required specifications of design or materials. If any construction element fails within two years due to improper construction or material specifications, the permittee shall be responsible for all repairs. Failure to make such repairs may result in suspension of the permit and closure of the access.

6. The permittee shall provide construction traffic control devices at all times during access construction, in conformance with the M.U.T.C.D. as required by section 42-4-104, C.R.S., as amended.

7. A utility permit shall be obtained for any utility work within highway right-of-way. Where necessary to remove, relocate, or repair a traffic control device or public or private utilities for the construction of a permitted access, the relocation, removal or repair shall be accomplished by the permittee without cost to the Department or issuing authority, and at the direction of the Department or utility company. Any damage to the state highway or other public right-of-way beyond that which is allowed in the permit shall be repaired immediately. The permittee is responsible for the repair of any utility damaged in the course of access construction, reconstruction or repair.

8. In the event it becomes necessary to remove any right-of-way fence, the posts on either side of the access shall be securely braced with an approved end post before the fence is cut to prevent any slacking of the remaining fence. All posts and wire removed are Department property and shall be turned over to a representative of the Department.

9. The permittee shall ensure that a copy of the permit is available for review at the construction site at all times. The permit may require the contractor to notify the individual or office specified on the permit at any specified phases in construction to allow the field inspector to inspect various aspects of construction such as concrete forms, subbase, base course compaction, and materials specifications. Minor changes and additions may be ordered by the Department or local authority field inspector to meet unanticipated site conditions.

10. Each access shall be constructed in a manner that shall not cause water to enter onto the roadway or shoulder, and shall not interfere with the existing drainage system on the right-of-way or any adopted municipal system and drainage plan.

11. The Permittee is responsible for obtaining any necessary additional Federal, State and/or City/County permits

or clearances required for construction of the access. Issuance of this access permit does not constitute verification of the above required actions by the Permittee.

By accepting the permit, the permittee stipulates and agrees to fully protect, save, defend, indemnify, and hold harmless, to the extent allowed by law, the issuing Authority, and each of the Authority's directors, officers, employees, agents and representatives, from and against any and all claims, costs (including but not limited to all reasonable fees and charges of engineers, architects, attorneys, and other professionals or expert witnesses and all court or other dispute resolution costs directly incurred by reason of claims directly brought against the Authority), losses, damages, pre- or post-judgment interest, causes of action, suits, or liability of any nature whatsoever by reason of liability imposed due to Permittee's failure to obtain, or disregard of, any applicable federal, state or local environmental permits, approvals, authorizations, or clearances, or in meeting or complying with any applicable federal, state or local environmental law, regulation, condition or requirements in connection with any activities authorized by this Access Permit.

CHANGES IN ACCESS USE AND PERMIT VIOLATIONS

1. It is the responsibility of the property owner and permittee to ensure that the use of the access to the property is not in violation of the Code, permit terms and conditions or the Act. The terms and conditions of any permit are binding upon all assigns, successors-in-interest, heirs and occupants. If any significant changes are made or will be made in the use of the property which will affect access operation, traffic volume and or vehicle type, the permittee or property owner shall contact the local issuing authority or the Department to determine if a new access permit and modifications to the access are required.

2. When an access is constructed or used in violation of the Code, section 43-2-147(5)(c), C.R.S., of the Act applies. The Department or issuing authority may summarily suspend an access permit and immediately order closure of the access when its continued use presents an immediate threat to public health, welfare or safety. Summary suspension shall comply with article 4 of title 24, C.R.S.

MAINTENANCE

1. The permittee, his or her heirs, successors-in-interest, assigns, and occupants of the property serviced by the access shall be responsible for meeting the terms and conditions of the permit, the repair and maintenance of the access beyond the edge of the roadway including any cattle guard and gate, and the removal or clearance of snow or ice upon the access even though deposited on the access in the course of Department snow removal operations. Within unincorporated areas the Department will keep access culverts clean as part of maintenance of the highway drainage system. However, the permittee is responsible for the repair and replacement of any access-related culverts within the right-of-way. Within incorporated areas, drainage responsibilities for municipalities are determined by statute and local ordinance. The Department will maintain the roadway including auxiliary lanes and shoulders, except in those cases where the access installation has failed due to improper access construction and/or failure to follow permit requirements and specifications in which case the permittee shall be responsible for such repair. Any significant repairs such as culvert replacement, resurfacing, or changes in design or specifications, requires authorization from the Department.

STATE HIGHWAY ACCESS PERMIT 311081

September 22, 2011

Located on SH 24 at mile post 178.80 Right
Issued to Construction Investments

TERMS AND CONDITIONS

1. This permitted access is only for the use and purpose stated in the Application and Permit. This Permit is issued in accordance with the State Highway Access Code (2 CCR 601-1), and is based in part upon the information submitted by the Permittee. Any subsequent relocation, reconstruction, or modifications to the access or changes in the traffic volume or traffic nature using the access shall be requested for by means of a new application. Any changes causing non-compliance with the Access Code may render this permit void, requiring a new permit.
2. The traffic volume shall be 20 DHV for Union Milling Company LLC. However, traffic may not be over 80 trips daily for a milling operation. The traffic volume does include PCE's in accordance with the Code. This access is also for Lake County Concrete property also known as Uintah Placer on Improvement Location Certificate Hopemore Mill dated January 20, 2009. The current Lake County Concrete property traffic use is for 1 average daily volume.
3. This access shall be constructed 25-35 feet wide with turning radii to accommodate the minimum turning radius of the largest vehicle or 35 foot, whichever is greater. The radii shall ensure the safe turning movements without encroachment onto other highway travel lane.
4. The Permittee shall install a R1-1 sign in accordance with the MUTCD.
5. The Permittees are Constructive Investments, LLC and Allen K and Barbara J. Phillips.
6. An 18-inch minimum culvert with protective end treatments may be required for this access. The culvert shall be kept free of blockage to maintain proper flow and drainage.
7. The access shall be constructed perpendicular to the travel lanes of the State Highway for a minimum distance of 40 feet from the edge of roadway. Side slopes shall be at a 4:1 slope on the roadway. The roadway shall slope away from the highway at a -2% grade for the first 20 feet of driveway. This design shall be in conformance with section 4 of the State Highway Access Code, 2CCR 601-1.
8. The permittee shall remove or trim the vegetation to get the required sight distance and enter sight distance in accordance with the Code.
9. It shall be the responsibility of the Permittee to maintain adequate sight distance for this driveway. Trimming of vegetation or trees to maintain adequate sight distance is the sole responsibility of the Permittee.
10. Materials, Placing and Compaction of a Commercial Access up to 99 DHV: Unless the Applicant has approval from the Access Manager which may state otherwise, the following will be required for driveway construction: Base: 16 inches of class 6 gravel with maximum 6 inch lifts, Surface: 4 inches of Pavement in two 2 inch lifts. Compaction of the subgrade, embankments and backfill shall comply with sections 203 & 304 of the Colorado Highway Standard Specifications for Road and Bridge Construction.
11. The access shall be surfaced in accordance with Section 4.7 of the Access Code immediately upon completion of earthwork construction and prior to use. This access shall be hard surfaced in accordance with Section 4.7 of the Access Code a minimum distance of 50 feet from the traveled way or to the CDOT Right-of-Way. Where the hard surface is to abut existing pavement, the existing pavement shall be saw cut and removed a minimum of one foot back from the existing edge for bituminous, or until an acceptable existing cross slope is

STATE HIGHWAY ACCESS PERMIT 311081

September 22, 2011

Located on SH 24 at mile post 178.80 Right
Issued to Construction Investments

achieved. Surfacing shall meet the Department's specifications with minimum surfacing to be equal to or greater than existing highway conditions.

12. This permit replaces any and all additional access permits that may be in existence for this access. All other access locations to this parcel shall be removed as part of this permit.
13. A Notice to Proceed, CDOT Form 1265, is required before beginning construction on the access or any activity within the highway Right-of-Way. To receive the Notice to Proceed the Applicant shall submit a complete packet to CDOT with the following items:
 - (a) A cover letter requesting a Notice to Proceed, and the intended date to begin construction.
 - (b) Construction Plans Stamped (11"x 17" with a minimum scale of 1" = 50') by a Colorado Registered Professional Engineer in full compliance with the State Highway Access Code. The plan shall provide:
 - i) Plan view with driveway dimensions - turn radius, width, slope, gates, etc.
 - ii) Typical road section - existing and proposed sub base, base, pavement, and shoulder dimensions.
 - iii) Centerline profile of the access/Hwy connection showing depths, driveway slope, etc.
 - iv) Need to demonstrate sight distance meets the requirements of the State Highway Access Code.
 - (c) Certificate of Insurance Liability as per Section 2.3(11)(i) of the State Highway Access Code.
 - (d) A certified Traffic Control Plan in accordance with Section 2.4(6) of the Access Code. The Traffic Control Plan shall provide accessibility features to accommodate all pedestrians including persons with disabilities for all pathways during construction.
14. No drainage from this site shall enter onto the State Highway travel lanes. The Permittee is required to maintain all drainage in excess of historical flows and time of concentration on site. All existing drainage structures shall be extended, modified or upgraded, as applicable, to accommodate all new construction and safety standards, in accordance with the Department's standard specifications.
15. Open cuts, which are at least 4 inches in depth, within 30 feet of the edge of the State Highway traveled way, will not be left open at night, on weekends, or on holidays, or shall be protected with a suitable barrier per State and Federal Standards.
16. Nothing in this permit shall prohibit the Chief Engineer from exercising the right granted in CRS 43-3-102 Including but not limited to restricting left hand turns by construction of physical medial separations.
17. The Permittee is responsible for obtaining any necessary additional Federal, State and/or City/County permits or clearances required for construction of the access. Approval of this access permit does not constitute verification of this action by the Permittee. Permittee is also responsible for obtaining all necessary utility permits in addition to this access permit.
18. All workers within the State Highway right of way shall comply with their employer's safety and health policies/procedures, and all applicable U.S. Occupational Safety and Health Administration (OSHA) regulations - including, but not limited to the applicable sections of 29 CFR Part 1910 - Occupational Safety and Health Standards and 29 CFR Part 1926 - Safety

STATE HIGHWAY ACCESS PERMIT 311081

September 22, 2011

Located on SH 24 at mile post 178.80 Right
Issued to Construction Investments

and Health Regulations for Construction. Personal protective equipment (e.g. head protection, footwear, high visibility apparel, safety glasses, hearing protection, respirators, gloves, etc.) shall be worn as appropriate for the work being performed, and as specified in regulation.

19. The Permittee is required to comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG) that have been adopted by the U.S. Architectural and Transportation Barriers Compliance Board (Access Board), and incorporated by the U.S. Attorney General as a federal standard. These guidelines are defining traversable slope requirements and prescribing the use of a defined pattern of truncated domes as detectable warnings at street crossings. The new Standards Plans and can be found on the Design and Construction Project Support web page at: <http://www.dot.state.co.us/DesignSupport/>, then click on *Design Bulletins*.
20. When it is necessary to remove any highway right-of-way fence, the posts on either side of the access entrance shall be securely braced with approved end posts and in conformance with the Department's M-607-1 standard, before the fence is cut, to prevent slacking of the remaining fence. All materials removed shall be returned to the Department.
21. The permittee, his or her heirs, successors-in-interest, assigns, and occupants of the property serviced by the access shall be responsible for meeting the terms and conditions of the permit, the repair and maintenance of the access beyond the edge of the roadway including any cattle guard and gate, and the removal or clearance of snow or ice upon the access even though deposited on the access in the course of Department snow removal operations. Within unincorporated areas the Department will keep access culverts clean as part of maintenance of the highway drainage system. However, the permittee is responsible for the repair and replacement of any access-related culverts within the right-of-way. Within incorporated areas, drainage responsibilities for municipalities are determined by statute and local ordinance. The Department will maintain the roadway including auxiliary lanes and shoulders, except in those cases where the access installation has failed due to improper access construction and/or failure to follow permit requirements and specifications in which case the permittee shall be responsible for such repair. Any significant repair such as culvert replacement, resurfacing, or changes in design or specifications, requires authorization from the Department.
22. Any damage to present highway facilities including traffic control devices shall be repaired immediately at no cost to the Department and prior to continuing other work.
23. During access construction no construction personal vehicles will be permitted to park in the state highway right-of-way.
24. If the access has a gate across it, the gate shall be set back far enough from the highway so that the longest vehicle using it can clear the roadway when the gate is closed.
25. Any mud or other material tracked or otherwise deposited on the roadway shall be removed daily or as ordered by the Department inspector. If mud is an obvious condition during site construction, it is recommended that the contractor build a Stabilized Construction Entrance or Scrubber Pad at the intended construction access to aid in the removal of mud and debris from vehicle tires. The details of the Stabilized Construction Entrance can be found in the M & S Standards Plan No. M-208-1.
26. A fully executed, complete copy of this permit and the Notice to Proceed must be on the job site with the contractor at all times during the construction. Failure to comply with this or any

STATE HIGHWAY ACCESS PERMIT 311081**September 22, 2011**

Located on SH 24 at mile post 178.80 Right
Issued to Construction Investments

other construction requirement may result in the immediate suspension of work by order of the Department inspector or the issuing authority.

27. No work will be allowed at night, Saturdays, Sundays and legal holidays without prior authorization from the Department. The Department may also restrict work within the State Highway right-of-way during adverse weather conditions.
28. The access shall be completed in an expeditious and safe manner and shall be completed within 45 days from initiation of construction within State Highway right-of-way or in accordance with written concurrence of the Access Manager. All construction shall be completed in a single season.
29. All costs associated with any type of utility work will be at the sole responsibility and cost of the Permittee and at no cost to CDOT.
30. Areas of roadway and/or right-of-way disturbed during this installation shall be restored to their original conditions to insure proper strength and stability, drainage and erosion control. Restoration shall meet the Department's standard specifications for topsoil, fertilization, mulching, and re-seeding.
31. Upon the completion of the access and prior to any use as allowed by this permit, the Applicant shall notify the Access Manager by certified mail within 10 days to request a final inspection. This request shall include certification that all materials and construction have been completed in accordance with all applicable Department Standards and Specifications; and that the access is constructed in conformance with the State Highway Access Code, 2 CCR 601-1, including this permit. The Engineer of Record as indicated on the construction plans, shall be present for this inspection. The access serviced by this permit may not be opened to traffic until written approval has been given from the CDOT Access Manager.

COLORADO DEPARTMENT OF TRANSPORTATION

Environmental Clearances Information Summary

PURPOSE - This summary is intended to inform entities external to CDOT that may be entering the state highway right-of-way to perform work related to their own facilities (such as Utility, Special Use or Access Permittees), about some of the more commonly encountered environmental permits/clearances that may apply to their activities. This listing is not all-inclusive - additional environmental or cultural resource permits/clearances may be required in certain instances. Appropriate local, state and federal agencies should be contacted for additional information if there is any uncertainty about what permits/clearances are required for a specific activity. **IMPORTANT – Please Review The Following Information Carefully – Failure to Comply With Regulatory Requirements May Result In Suspension or Revocation of Your CDOT Permit, Or Enforcement Actions By Other Agencies**

CLEARANCE CONTACTS - As indicated in the permit/clearance descriptions listed below, the following individuals or agencies may be contacted for additional information:

- Colorado Department of Public Health and Environment (CDPHE): General Information – (303) 692-2035
Water Quality Control Division (WQCD): (303) 692-3500
Environmental Permitting Website <http://www.cdphe.state.co.us/permits.asp>.
- CDOT Water Quality Program Manager: Rick Willard (303) 757-9343 <http://www.coloradodot.info/programs/environmental/water-quality>
- CDOT Asbestos Project Manager: Theresa Santangelo-Dreiling, (303) 512-5524
- Colorado Office of Archaeology and Historic Preservation: (303) 866-3395
- U.S. Army Corps of Engineers, District Regulatory Offices:
Omaha District (NE Colorado), Denver Office (303) 979-4120 <http://www.nwo.usace.army.mil/html/od-tl/tri-lakes.html>
Sacramento Dist. (Western CO), Grand Junction Office (970) 243-1199 <http://www.spk.usace.army.mil/cespk-co/regulatory/>
Albuquerque District (SE Colorado), Pueblo Reg. Office (719)-543-6915 <http://www.spa.usace.army.mil/reg/>
- CDOT Utilities, Special Use and Access Permitting: (303) 757-9654 <http://www.dot.state.co.us/Permits/>

Ecological Resources – Disturbance of wildlife shall be avoided to the maximum extent practicable. Entry into areas of known or suspected threatened or endangered species habitat will require special authorization from the CDOT permitting office. If any threatened or endangered species are encountered during the progress of the permitted work, work in the subject area shall be halted and the CDOT Regional Permitting Office and Region Planning and Environmental Manager shall be contacted immediately. Authorization must be provided by CDOT prior to the continuation of work. Information about threatened or endangered species may be obtained from the CDOT website, <http://coloradodot.info/programs/environmental/wildlife/guidelines>, or the Colorado Division of Wildlife website <http://wildlife.state.co.us/WildlifeSpecies/SpeciesOfConcern/>. Additional guidance may be provided by the appropriate Region Planning and Environmental Manager (RPEM).

Cultural Resources – The applicant must request a file search of the permit area through the Colorado Office of Archaeology and Historic Preservation (OAHP), Denver, to ascertain if historic or archaeological resources have previously been identified. Inventory of the permit area by a qualified cultural resources specialist may be necessary, per the recommendation of CDOT. If archaeological sites/artifacts or historic resources are known to exist prior to the initiation of the permitted work or are encountered as the project progresses, all work in the subject area shall be halted and the CDOT Regional Permitting Office and Region Planning and Environmental Manager shall be contacted immediately. Authorization must be provided by CDOT prior to the continuation of work. Additional guidance may be provided by the Regional Permitting Office and RPEM. **Contact Information:** Contact the OAHP for file search at (303) 866-3395.

Paleontological Resources - The applicant must request a fossil locality file search through the University of Colorado Museum, Boulder, and the Denver Museum of Nature and Science to ascertain if paleontological resources have been previously identified. Inventory of the permit area by a qualified paleontologist may be necessary, per the recommendation of CDOT. If fossils are encountered during the permitted work, all work in the subject area shall be halted and the CDOT Regional Permitting Office and Region Planning and Environmental Manager shall be contacted immediately. Authorization must be provided by CDOT prior to the continuation of work. Additional guidance may be provided by the Regional Permitting Office in the Permit Special Provisions. **Contact Information:** Contact the CDOT Paleontologist at (303) 757-9632.

Hazardous Materials, Solid Waste - The Solid Wastes Disposal Sites and Facilities Act C.R.S. 30-20-100, et al, and Regulations Pertaining to Solid Waste Disposal Sites and Facilities (6 CCR 1007-2), prohibit solid waste disposal without an approved Certificate of Designation (a landfill permit). The Colorado Hazardous Waste Act C.R.S. 25-15-301 et al, and the Colorado Hazardous Waste Regulations (6 CCR 1007-3) prohibit the transfer, storage or disposal (TSD) of hazardous waste except at permitted TSD sites. There are no permitted landfills or TSD sites within the State Highway Right of Way. Therefore, all solid or hazardous wastes that might be generated by the activities of entities entering the State Highway Right of Way must be removed from the ROW and disposed of at a permitted facility or designated collection point (e.g., for solid waste, a utility or construction company's own dumpster). If pre-existing solid waste or hazardous materials contamination (including oil or petroleum contaminated soil, asbestos, chemicals, mine tailings, etc.) is encountered during the performance of work, the permittee shall halt work in the affected area and immediately contact the CDOT Regional Permitting Office for direction as to how to proceed. **Contact Info:** Andy Flurkey, CDOT Hazardous Materials Project Manager, (303) 512-5520.

Asbestos Containing Materials, Asbestos Contaminated Soil – All work on asbestos containing materials (ACM) must comply with the applicable requirements of the CDPHE Air Pollution Control Division's (APCD) Regulation 8. Disposal of ACM, and work done in asbestos-contaminated soil, must comply with the CDPHE Hazardous Materials and Waste Management Division's (HMWMD) Solid Waste Regulations. The application for any CDOT permit must specifically identify any ACM involved in the work for which authorization is being requested. Additional guidance or requirements may be specified in the permit special provisions. **Contact Info:** CDPHE APCD and HMWMD Regulations can be accessed via the CDPHE Environmental Permitting Website listed above. Additional information **concerning clearance on CDOT projects** is available from the CDOT Asbestos Project Manager (303) 512-5519, or Theresa Santangelo-Dreiling, Property Management Supervisor (303) 512-5524.

Transportation of Hazardous Materials - No person may offer or accept a hazardous material for transportation in commerce unless that person is registered in conformance with the United States Department of Transportation regulations at 49 CFR, Part 171. The hazardous material must be properly classed, described, packaged, marked, labeled, and in condition for shipment as required or authorized by applicable requirements, or an exemption, approval or registration has been issued. Vehicles requiring a placard, must obtain authorization and a State HAZMAT Permit from the Colorado Public Utilities Commission. **Contact Information:** For authorization and more info call the Federal Motor Safety Carrier Administration, US DOT for inter- and intra-state HAZMAT Registration (303) 969-6748. Colorado Public Utilities Commission: (303) 894-2868.

Discharge of Dredged or Fill Material – 404 Permits Administered By the U.S. Army Corps of Engineers, and Section 401 Water Quality Certifications Issued by the CDPHE WQCD - Corps of Engineers 404 Permits are required for the discharge of dredged or fill materials into waters of the United States, including wetlands. There are various types of 404 Permits, including Nationwide Permits, which are issued for activities with relatively minor impacts. For example, there is a Nationwide Permit for Utility Line Activities (NWP #12). However, depending upon the specific circumstances, it is possible that either a “General” or “Individual” 404 permit would be required. If an Individual 404 Permit is required, Section 401 water quality certification from the CDPHE WQCD is also required. Contact the appropriate Corps District Regulatory Office for information about what type of 404 permit may be required (contact information above). Contact the CDPHE Water Quality Control Division at (303) 692-3500.

Working on or in any stream or its bank - In order to protect and preserve the state’s fish and wildlife resources from actions that may obstruct, diminish, destroy, change, modify, or vary a natural existing stream or its banks or tributaries, it may be necessary to obtain a Senate Bill 40 certification from the Colorado Department of Natural Resources. A stream is defined as 1) represented by a solid blue line on USGS 7.5’ quadrangle maps; and/or 2) intermittent streams providing live water beneficial to fish and wildlife; and/or 3) segments of streams supporting 25% or more cover within 100 yards upstream or downstream of the project; and/or 4) segments of streams having wetlands present within 200 yards upstream or downstream of the project. The Colorado Division of Wildlife (CDOW) application, as per guidelines agreed upon by CDOT and CDOW, can be accessed at <http://www.coloradodot.info/programs/environmental/wildlife/guidelines>.

Stormwater Construction Permit (SCP) and Stormwater Discharge From Industrial Facilities - Discharges of stormwater runoff from construction sites disturbing one acre or more - or certain types of industrial facilities, such as concrete batch plants - requires a CDPS Stormwater Construction Permit. **Contact Information:** For Utility/Special Use activities being performed in conjunction and coordination with a CDOT highway construction contract, please contact the CDOT Water Quality Program Manager at (303) 757-9343. Otherwise, contact the CDPHE Water Quality Control Division at (303) 692-3500. Website: <http://www.cdphe.state.co.us/wq/PermitsUnit/index.html>.

Construction Dewatering (Discharge or Infiltration) – Discharges of water encountered during excavation or work in wet areas may require a Construction Dewatering Discharge Permit. **Contact Information:** For Construction Dewatering Discharge Permits, contact the CDPHE WQCD at (303) 692-3500. For Dewatering Application and Instructions, see Section 3 at the CDPHE website: <http://www.cdphe.state.co.us/wq/PermitsUnit/FORMSandApplications/Appsandformsnewpage.html>

Municipal Separate Storm Sewer System (MS4) Discharge Permit – Discharges from the storm sewer systems of larger municipalities, and from the CDOT highway drainage system that lies within those municipalities, are subject to MS4 Permits issued by the CDPHE WQCD. For facilities that lie within the boundaries of a municipality that is subject to an MS4 permit, the owner of such facility should contact the municipality regarding stormwater related clearances that may have been established under that municipality’s MS4 permit. All discharges to the CDOT highway drainage system or within the Right of Way (ROW) must comply with the applicable provisions of the Colorado Water Quality Control Act and the Colorado Discharge Permit Regulations Permit # COS-000005 (<http://www.coloradodot.info/programs/environmental/water-quality/documents/CDOT%20MS4%20Permit.doc/view>) and COR-030000 (<http://www.cdphe.state.co.us/wq/PermitsUnit/PERMITS/SWpermitsrats/SWConstructionPermit.pdf>). Discharges are subject to inspection by CDOT and CDHPE. Contact the CDPHE Water Quality Control Division at (303) 692-3500 for a listing of municipalities required to obtain MS4 Permits, or go to <http://www.cdphe.state.co.us/wq/permitsunit/MS4/MS4Permittees.pdf>.

General Prohibition – Discharges - All discharges are subject to the provisions of the Colorado Water Quality Control Act and the Colorado Discharge Permit Regulations. Prohibited discharges include, but are not limited to, substances such as wash water, paint, automotive fluids, solvents, oils or soaps and sediment. Allowable non-stormwater discharges can be found at <http://www.coloradodot.info/programs/environmental/water-quality/glossary.html#AllowableDischarge>. **Contact Information:** Contact the CDOT Water Quality Program Manager at (303) 757-9343, or the Colorado Department of Public Health and Environment, Water Quality Control Division at (303) 692-3500.

General Authorization - Allowable Non-Stormwater Discharges - Unless otherwise identified by CDOT or the WQCD as significant sources of pollutants to the waters of the State, the following discharges to stormwater systems are allowed without a Colorado Discharge Permit System permit: landscape irrigation, diverted stream flows, uncontaminated ground water infiltration to separate storm sewers, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, uncontaminated springs, footing drains; water line flushing, flows from riparian habitats and wetlands, and flow from fire fighting activities. **Contact Information:** The CDOT Water Quality Program Manager or the CDPHE Water Quality Control Division (telephone #'s listed above).

Erosion and Sediment Control Practices - For activities requiring a Stormwater Construction Permit, erosion control requirements will be specified through that permit. In those situations where a stormwater permit is not required, all reasonable measures should be taken in order to minimize erosion and sedimentation according to CDOT 208 specifications. In either case, the CDOT Erosion Control and Stormwater Quality Guide (most recent version) should be used to design erosion controls and to restore disturbed vegetation. **Contact Information:** The CDOT Erosion Control and Stormwater Quality Guide may be obtained from the Bid Plans Office at (303) 757-9313 or from: <http://www.dot.state.co.us/environmental/envWaterQual/wqms4.asp> **Error! Hyperlink reference not valid.**

Disposal of Drilling Fluids - Drilling fluids used in operations such as Horizontal Directional Drilling may be classified as “discharges” or “solid wastes”, and in general, should be pumped or vacuumed from the construction area, removed from the State Highway Right of Way, and disposed of at permitted facilities that specifically accept such wastes. Disposal of drilling fluids into storm drains, storm

sewers, roadside ditches or any other type of man-made or natural waterway is prohibited by Water Quality Control and/or Solid Waste regulations. Small quantities of drilling fluid solids (less than 1 cubic yard of solids) may be left on-site after either being separated from fluids or after infiltration of the water, provided: 1) the drilling fluid consists of only water and bentonite clay, or, if required for proper drilling properties, small quantities of polymer additives that are approved for use in drinking water well drilling; 2) the solids are fully contained in a pit, and are not likely to pose a nuisance to future work in the area, 3) the solids are covered and the area restored as required by CDOT permit requirements (Utility, Special Use, or Access Permits, etc.). **Contact Information:** Contact the CDOT / CDPHE Liaison or CDOT Water Quality Program Manager.

Concrete Washout - Waste generated from concrete activities shall NOT be allowed to flow into the drainage ways, inlets, receiving waters, or in the CDOT ROW. Concrete waste shall be placed in a temporary concrete washout facility and must be located a minimum of 50 feet from state waters, drainageways, and inlets. Concrete washout shall only be performed as specified by the CDOT Environmental Program and shall be in accordance to CDOT specifications and guidelines. **Contact Information:** Contact the CDOT Water Quality Program Manager at (303) 757-9343. Website: <http://www.coloradodot.info/programs/environmental/water-quality/revised-m-standards>; refer to the link [Revision of Sections 101, 107, 208, 213 and 620 Water Quality Control One or More Acres of Disturbance](#) for additional guidance.

Spill Reporting - Spills shall be contained and cleaned up as soon as possible. Spills shall NOT be washed down into the storm drain or buried. All spills shall be reported to the CDOT Illicit Discharge Hotline at (303) 512-4446 (4H20), as well as the Regional Permitting Office and Regional Maintenance Supervisor. Spills on highways, into waterways, any spill in the highway right-of-way exceeding 25 gallons, or that may otherwise present an immediate danger to the public shall be reported by calling 911, and shall also be reported to the CDPHE at 1-877-518-5608.

About This Form - Questions or comments about this Information Summary may be directed to Alex Karami, CDOT Safety & Traffic Engineering, Utilities Unit, at (303) 757-9841, <mailto:alex.karami@dot.state.co.us>.



The Leadville Mill

M1990-057
EXHIBIT F – OTHER PERMITS & LICENSES
Page 7-146

APPENDIX 7-11

COLORADO STATE ENGINEER

- MONITORING WELL PERMITS⁵²

⁵² 2014 Addition to permit

**WELL PERMIT NUMBER
295655**

**CJK MILLING COMPANY LLC
MONITORING WELL - MW2-SW**

Form No.
GWS-11
08/2016

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 Sherman St., Ste 821, Denver CO 80203
(303) 866-3581
dwrpermitsonline@state.co.us

For Office Use Only

CHANGE IN OWNER NAME/MAILING ADDRESS

PRIOR TO COMPLETING THIS FORM, SEE INSTRUCTIONS ON REVERSE SIDE
INCOMPLETE, POOR QUALITY, OR ILLEGIBLE FORMS CANNOT BE PROCESSED AND WILL BE RETURNED

Name, address and phone number of person claiming ownership of the well permit:

Name(s): CTK MILLING COMPANY LLC

Mailing Address: 33084 BERGEN MOUNTAIN RD.

City, St. Zip: EVERGREEN CO 80439

Phone: (720) 412-8838 Email: GKNIPPA@MSN.COM

Well Permit Number: 295655 Receipt Number: 36660288 Case Number (optional): _____

WELL LOCATION: County: LAKE Well Name or # (optional): MW2-SW

13815 US HIGHWAY 24 LEADVILLE CO 80461
Street Address at Well Location City State Zip

☐ Check if well address is same as owner's mailing address

NW 1/4 of the NE 1/4, Sec. 33, Township 9 ☐ N. or ☒ S., Range 8D ☐ E. or ☒ W., 6TH P.M.

Distance from Section Lines: 379 Ft. from ☒ N. or ☐ S. Line, 1333 Ft. from ☒ E. or ☐ W. Line.

Subdivision Name (if applicable): N/A, Lot _____, Block _____, Filing/Unit _____

NOTE: If changing/correcting the permitted location of a well, use Form No. GWS-42.

I (we) claim and say that I am (we are) the owner(s) of the well permit described above, know the contents of the statements made herein, and state that they are true to my (our) knowledge. This filing is made pursuant to C.R.S. 37-90-143.

Signature(s) of the New Owner

Please print the Signer's Name & Title

Date

It is the responsibility of the new owner of this well permit to complete and sign this form. If an agent is signing or entering information, please see instructions.

Please allow 4 to 6 weeks for processing of this form. Thereafter, you can view or print the accepted document at:

<https://www.dwr.state.co.us/Tools/WellPermits>

Signature of DWR staff indicates acceptance as a Change in Owner Name and/or Mailing Address.

For Staff Use Only

Staff Signature

Date

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

LIC

WELL PERMIT NUMBER 295655
DIV. 2 WD 11 DES. BASIN MD

APPLICANT

UNION MILLING COMPANY LLC
PO BOX 620490
LITTLETON, CO 80162-

(303) 947-7837

APPROVED WELL LOCATION

LAKE COUNTY
NW 1/4 NE 1/4 Section 33
Township 9 S Range 80 W Sixth P.M.

DISTANCES FROM SECTION LINES

379 Ft. from North Section Line
1333 Ft. from East Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: 384988 Northing: 4343027

PERMIT TO CONSTRUCT A WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(I) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling.
- 4) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be kept capped and locked at all times except during sampling or measuring.
- 5) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 6) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- 7) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 8) This well must be constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules. If non-standard construction is anticipated, a variance request must be submitted in accordance with Rule 18 and approved prior to well construction.
- 9) A Well Construction and Test Report (Form GWS-31), including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction, the report must include an as-built drawing showing details such as depth, casing, perforated zones, and a description of the grouting type and interval.
- 10) This well shall be constructed not more than 200 feet from the location specified on this permit.

NOTE: Issuance of this permit does not guarantee that this well can be converted to a production well under a future permit. Additionally, pursuant to Rule 14.2 of the Water Well Construction Rules (2 CCR 402-2), monitoring holes constructed pursuant to a monitoring hole notice shall not be converted to a production well. (Upon obtaining a permit from the State Engineer, a monitoring hole may be converted to a monitoring well, recovery well for remediation of the aquifer, or a dewatering system for dewatering the aquifer.)

NOTE: This permit will expire on the expiration date unless the well is constructed by that date. A Well Construction and Test Report (GWS-31) must be submitted to the Division of Water Resources to verify the well has been constructed. An extension of the expiration date may be available. Contact the DWR for additional information or refer to the extension request form (GWS-64) available at: <http://www.water.state.co.us>

NOTICE: This permit has been approved subject to the following changes: The distances from section lines, quarter/quarter, and quarter were determined from GPS coordinates provided by the applicant. The distances from section lines, quarter/quarter, quarter, Section, Township, Range and P.M. were determined from UTM coordinate values provided with the permit application. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

APPROVED
CRF

State Engineer

DATE ISSUED 09-11-2014

By

EXPIRATION DATE 09-11-2016

Receipt No. 3666028B

Form No. GWS-12 01/2020
STATE OF COLORADO
OFFICE OF THE STATE ENGINEER
1313 Sherman St., Room 821, Denver, CO 80203
Main: (303) 866-3581 JWR
Website: dwr.colorado.gov
Email to: dwrpermitsonline@state.co.us

For Office Use Only

REGISTRATION OF EXISTING WELL

Review form instructions prior to completing form

NAME & CONTACT INFORMATION OF WELL OWNER:

Name(s) CSK MINING COMPANY LLC

Mailing Address 33084 BERGEN MOUNTAIN RD

City: EVERGREEN State: CO Zip Code: 80439

Phone No. with area code 720-412-8838 Email GKNIPPA@MSN.COM

WELL LOCATION County: LAKE Well Name(optional): MW2-SW
13815 US HIGHWAY 2A LEADVILLE CO 80461
(Address) (City) (State) (Zip)

NW 1/4 of the NE 1/4, Sec 33 Twp 9 ☐ N. or ☒ S., Range 80 ☐ E. or ☒ W., 6TH P.M.

Distance from Section Lines 379 Ft. ☒ N. or ☐ S. Line, 1333 Ft. ☒ E. or ☐ W. Line.

ATTACH A COPY OF A CURRENT DEED FOR THE SUBJECT PARCEL

Subdivision Name NA Lot _____ Block _____ Filing/Unit _____

Optional: GPS well location information in UTM format. The following GPS settings are required:
Format must be UTM. Units must be in meters. Datum must be NAD83. Unit must be set to true
north. ☐ Zone 12 or ☒ Zone 13

Easting 384988

Northing 434027

Was GPS unit checked for above items? ☐ YES ☒ NO

The well has historically been used for the following purpose(s): QUARTERLY WATER SAMPLING AS
MANDATED BY CDRMS PERMIT M1990-057

Water first used beneficially by the original owner for the above described purposes on (mm/dd/yyyy) 09/11/2014

The total depth of this well is 53 feet.

The pumping rate of this well is N/A gallons per minute. NOT TESTED. WATER PUMPED TO
COLLECT SAMPLE ONLY
APPROX 45 GALLON PUMPED FOR
EACH TEST / 4 TIMES PER YEAR

The average annual amount of water diverted is 0 acre-feet.

The lawn and garden irrigated (watered) by water from this well is 0 ☐ Acre or ☐ Square feet.
Number

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 23-3-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.

Sign or enter name of Well Owner(s)	Print Name and Title of Well Owner(s)	Date (mm/dd/yyyy)

For Office Use Only

WE _____
WR _____
CWCB _____
AQUA _____
MYLAR _____

Div _____ WD _____ Basin _____ MD _____

WELL PERMIT NUMBER

295654

**CJK MILLING COMPANY LLC
MONITORING WELL – MW3NE**

FORM NO. GWS-31 04/2005		WELL CONSTRUCTION AND TEST REPORT		For Office Use Only	
		STATE OF COLORADO, OFFICE OF THE STATE ENGINEER 1313 Sherman St., Room 818, Denver, CO 80203 Phone - Info (303) 866-3587 Main (303) 866-3581 Fax (303) 866-3589 http://www.water.state.co.us			
1. WELL PERMIT NUMBER:		295654			
2. WELL OWNER INFORMATION					
NAME OF WELL OWNER:		Union Milling Company LLC			
MAILING ADDRESS:		P.O. Box 620490			
CITY:		Littleton		STATE: CO ZIP CODE: 80162	
TELEPHONE NUMBER: ()		303-947-7837			
3. WELL LOCATION AS DRILLED:		SE 1/4, SE 1/4, Sec. 28, Twp. 9 <input type="checkbox"/> N or <input checked="" type="checkbox"/> S, Range 80 <input type="checkbox"/> E or <input checked="" type="checkbox"/> W			
DISTANCES FROM SEC. LINES:		ft. from <input type="checkbox"/> N or <input type="checkbox"/> S section line and ft. from <input type="checkbox"/> E or <input type="checkbox"/> W section line.			
SUBDIVISION:		Hole # 2 LOT BLOCK FILING (UNIT)			
Optional GPS Location:		GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, <input type="checkbox"/> Zone 12 or <input checked="" type="checkbox"/> Zone 13			
STREET ADDRESS AT WELL LOCATION:		13815 Highway 24		Owner's Well Designation: Easting: 385077 Northing: 4343192	
4. GROUND SURFACE ELEVATION		feet		DRILLING METHOD cable tool	
DATE COMPLETED Oct 14, 2014		TOTAL DEPTH 74 feet		DEPTH COMPLETED 66 feet	
5. GEOLOGIC LOG:		6. HOLE DIAM (in.) From (ft) To (ft)			
Depth	Type	Grain Size	Color	Water Loc.	
0 to 74	glacial fill				9 0 74
7. PLAIN CASING:					
OD (in) Kind Wall Size (in) From (ft) To (ft)					
7 steel .188 +3 50					
5 9/16 steel .188 +1 56					
PERFORATED CASING: Screen Slot Size (in): .060					
5 1/2 stainless steel screen 56 66					
filled bottom 8 feet with gravel, 66 to 74 ft,					
14 (50#) bags of 8/12 silica sand, 53 to 66 ft,					
2 5 gal buckets 1/4" bentonite pellets 49 to 53 ft,					
Remarks:					
8. FILTER PACK:					
Material Type					
Size Interval Depth					
9. PACKER PLACEMENT:					
10. GROUTING RECORD					
Material Amount Density Interval Placement					
cement 12 bags 6 to 1 4 to 25 poured					
11. DISINFECTION: Type HTHT Amt. Used 1 ounce					
12. WELL TEST DATA: <input type="checkbox"/> Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.					
TESTING METHOD bailer					
Static Level 57 ft. Date/Time measured: October 14, 2014 Production Rate 5 gpm.					
Pumping Level ft. Date/Time measured Test Length (hrs) 2					
Remarks:					
13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. [The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license.]					
Company Name: Golden Eagle Drilling Corp.					
Mailing Address: P.O. Box 475, Frisco, CO 80443					
Signature: Joe W. Shelton Print Name and Title Joe W. Shelton, Pres.					
Date 10-14-14					
Phone: () 970-668-3564 License Number: 388					

Form No. GWS-11 08/2016	COLORADO DIVISION OF WATER RESOURCES DEPARTMENT OF NATURAL RESOURCES 1313 Sherman St., Ste 821, Denver CO 80203 (303) 866-3581 dwrpermitsonline@state.co.us	For Office Use Only
CHANGE IN OWNER NAME/MAILING ADDRESS		
PRIOR TO COMPLETING THIS FORM, SEE INSTRUCTIONS ON REVERSE SIDE INCOMPLETE, POOR QUALITY, OR ILLEGIBLE FORMS CANNOT BE PROCESSED AND WILL BE RETURNED		
Name, address and phone number of person claiming ownership of the well permit:		
Name(s): <u>CTK MILLING COMPANY LLC</u>		
Mailing Address: <u>33084 BERGEN MOUNTAIN RD.</u>		
City, St. Zip: <u>EVERGREEN, CO 80439</u>		
Phone: <u>(720) 412-8838</u> Email: <u>GKNIPPA@MSN.COM</u>		
Well Permit Number: <u>295654</u> Receipt Number: <u>3666028A</u> Case Number (optional): _____		
WELL LOCATION: County: <u>LAKE</u> Well Name or # (optional): <u>MW3-NE</u>		
<u>13815 US HIGHWAY 24</u> <u>LEADVILLE</u> <u>CO</u> <u>80461</u>		
Street Address at Well Location City State Zip		
<input type="checkbox"/> Check if well address is same as owner's mailing address		
<u>SE</u> 1/4 of the <u>SE</u> 1/4, Sec. <u>28</u> , Township <u>9</u> <input type="checkbox"/> N. or <input checked="" type="checkbox"/> S., Range <u>80</u> <input type="checkbox"/> E. or <input checked="" type="checkbox"/> W., <u>6TH</u> P.M.		
Distance from Section Lines: <u>208</u> Ft. from <input type="checkbox"/> N. or <input checked="" type="checkbox"/> S. Line, <u>791</u> Ft. from <input checked="" type="checkbox"/> E. or <input type="checkbox"/> W. Line.		
Subdivision Name (if applicable): <u>N/A</u> , Lot _____, Block _____, Filing/Unit _____		
NOTE: If changing/correcting the permitted location of a well, use Form No. GWS-42.		
I (we) claim and say that I am (we are) the owner(s) of the well permit described above, know the contents of the statements made herein, and state that they are true to my (our) knowledge. This filing is made pursuant to C.R.S. 37-90-143.		
Signature(s) of the New Owner	Please print the Signer's Name & Title	Date
_____	_____	_____
It is the responsibility of the new owner of this well permit to complete and sign this form. If an agent is signing or entering information, please see instructions. Please allow 4 to 6 weeks for processing of this form. Thereafter, you can view or print the accepted document at: https://www.dwr.state.co.us/Tools/WellPermits		
Signature of DWR staff indicates acceptance as a Change in Owner Name and/or Mailing Address.		
For Staff Use Only		
Staff Signature	Date	
_____	_____	

**OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES**

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

LIC

WELL PERMIT NUMBER 295654
DIV. 2 WD 11 DES. BASIN MD

APPLICANT

UNION MILLING COMPANY LLC
PO BOX 620490
LITTLETON, CO 80162-

APPROVED WELL LOCATION

LAKE COUNTY
SE 1/4 SE 1/4 Section 28
Township 9 S Range 80 W Sixth P.M.

DISTANCES FROM SECTION LINES

208 Ft. from South Section Line
791 Ft. from East Section Line

UTM COORDINATES (Meters, Zone: 13, NAD83)

Easting: 385067 Northing: 4343204

(303) 947-7837

PERMIT TO CONSTRUCT A WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-92-602(3)(b)(I) for uses as described in CRS 37-92-602(1)(f). Use of this well is limited to monitoring water levels and/or water quality sampling.
- 4) This well must be equipped with a locking cap or seal to prevent well contamination or possible hazards as an open well. The well must be ~~kept capped and locked at all times except during sampling or measuring.~~
- 5) Records of water level measurements and water quality analyses shall be maintained by the well owner and submitted to the Division of Water Resources upon request.
- 6) Upon conclusion of the monitoring program the well owner shall plug this well in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report must be completed and submitted to the Division of Water Resources within 60 days of plugging.
- 7) The owner shall mark the well in a conspicuous place with the well permit number and name of aquifer as appropriate, and shall take necessary means and precautions to preserve these markings.
- 8) This well must be constructed by or under the supervision of a licensed well driller or other authorized individual according to the Water Well Construction Rules. If non-standard construction is anticipated, a variance request must be submitted in accordance with Rule 18 and approved prior to well construction.
- 9) A Well Construction and Test Report (Form GWS-31), including lithologic log must be submitted by the individual authorized to construct the well. For non-standard construction, the report must include an as-built drawing showing details such as depth, casing, perforated zones, and a description of the grouting type and interval.
- 10) This well shall be constructed not more than 200 feet from the location specified on this permit.

NOTE: Issuance of this permit does not guarantee that this well can be converted to a production well under a future permit. Additionally, pursuant to Rule 14.2 of the Water Well Construction Rules (2 CCR 402-2), monitoring holes constructed pursuant to a monitoring hole notice shall not be converted to a production well. (Upon obtaining a permit from the State Engineer, a monitoring hole may be converted to a monitoring well, recovery well for remediation of the aquifer, or a dewatering system for dewatering the aquifer.)

NOTE: This permit will expire on the expiration date unless the well is constructed by that date. A Well Construction and Test Report (GWS-31) must be submitted to the Division of Water Resources to verify the well has been constructed. An extension of the expiration date may be available. Contact the DWR for additional information or refer to the extension request form (GWS-64) available at: <http://www.water.state.co.us>

NOTICE: This permit has been approved subject to the following changes: The distances from section lines, quarter/quarter, and quarter were determined from GPS coordinates provided by the applicant. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

APPROVED
CRF

State Engineer

DATE ISSUED 09-11-2014

By

EXPIRATION DATE 09-11-2016

Receipt No. 3666028A

Form No. GWS-12 01/2020	STATE OF COLORADO OFFICE OF THE STATE ENGINEER 1313 Sherman St., Room 821, Denver, CO 80203 Main: (303) 866-3581 JWR Website: dwr.colorado.gov Email to: dwrpermitsonline@state.co.us	For Office Use Only
REGISTRATION OF EXISTING WELL Review form instructions prior to completing form		
NAME & CONTACT INFORMATION OF WELL OWNER:		
Name(s) <u>CTK MILLING COMPANY LLC</u>		
Mailing Address <u>33084 BERGEN MOUNTAIN RD</u>		
City: <u>EVERGREEN</u>	State: <u>CO</u>	Zip Code: <u>80439</u>
Phone No. with area code <u>720-412-8838</u>	Email <u>GKNIPPA@MSN.COM</u>	
WELL LOCATION County: <u>LAKE</u> Well Name(optional): <u>MW3-NE</u>		
<u>13815 US HIGHWAY 2A</u> (Address)		<u>LEADVILLE</u> (City)
		<u>CO</u> (State)
		<u>80461</u> (Zip)
<u>SE</u> 1/4 of the <u>SE</u> 1/4, Sec <u>9</u> Twp <u> </u> <input type="checkbox"/> N. or <input checked="" type="checkbox"/> S., Range <u>80</u> <input type="checkbox"/> E. or <input checked="" type="checkbox"/> W., <u>6TH</u> P.M.		
Distance from Section Lines <u>208</u> Ft. <input type="checkbox"/> N. or <input checked="" type="checkbox"/> S. Line, <u>791</u> Ft. <input type="checkbox"/> E. or <input checked="" type="checkbox"/> W. Line.		
ATTACH A COPY OF A CURRENT DEED FOR THE SUBJECT PARCEL		
Subdivision Name <u>N/A</u>		Lot <u> </u> Block <u> </u> Filing/Unit <u> </u>
Optional: GPS well location information in UTM format. The following GPS settings are required: Format must be UTM . Units must be in meters . Datum must be NAD83 . Unit must be set to true north . <input type="checkbox"/> Zone 12 or <input checked="" type="checkbox"/> Zone 13		Easting <u>385067</u> Northing <u>4343204</u>
Was GPS unit checked for above items? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
The well has historically been used for the following purpose(s): <u>QUARTERLY WATER SAMPLING AS MANDATED BY CDRMS PERMIT M1990-057</u>		
Water first used beneficially by the original owner for the above described purposes on (mm/dd/yyyy) <u>09/11/2014</u>		
The total depth of this well is <u>74</u> feet.		
The pumping rate of this well is <u>N/A</u> gallons per minute. <u>NOT TESTED. WATER PUMPED TO COLLECT SAMPLE ONLY</u>		
The average annual amount of water diverted is <u>0</u> acre-feet. <u>APPROX 60 GALLON PUMPED FOR EACH TEST / 4 TIMES PER YEAR</u>		
The lawn and garden irrigated (watered) by water from this well is <u>0</u> <input type="checkbox"/> Acre or <input type="checkbox"/> Square feet.		
Number		
The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 23-3-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.		
Sign or enter name of Well Owner(s)	Print Name and Title of Well Owner(s)	Date (mm/dd/yyyy)
For Office Use Only		
WE <u> </u> WR <u> </u> CWCB <u> </u> AQUA <u> </u> MYLAR <u> </u>		
Div <u> </u> WD <u> </u> Basin <u> </u> MD <u> </u>		