



# CARTHAGE MINE SAFEGUARD MAINTENANCE PROJECT

## SOCORRO COUNTY, NEW MEXICO

### PROJECT NO. EMNRD-MMD-2024-02



#### SHEET INDEX

- SHEET 1: COVER SHEET
- SHEET 2: SITE ACCESS MAP OR PROJECT OVERVIEW MAP
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CAUTION - THIS PROJECT REQUIRES CONSTRUCTION WORK IN, AROUND, AND OVER HAZARDOUS AND UNPROTECTED MINE SHAFTS, STOPS, ADITS, AND OTHER OPENINGS WHICH MAY BE OPEN TO THE SURFACE OR HIDDEN FROM VIEW BY TRASH, DEBRIS, OR THIN AND UNSTABLE LAYERS OF SURFACE MATERIALS OR ROCK. THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR THOROUGHLY INVESTIGATING THE SITE CONDITIONS AND SCHEDULING EQUIPMENT, EQUIPMENT OPERATIONS, PERSONNEL AND SAFETY PROCEDURES TO PREVENT ACCIDENTS AND INJURIES.

#### PROJECT CONTACT

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 PRINCIPAL ENGINEER  
 NEW MEXICO ABANDONED MINE LAND PROGRAM  
 NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT  
 PHONE: (606) 629-9872

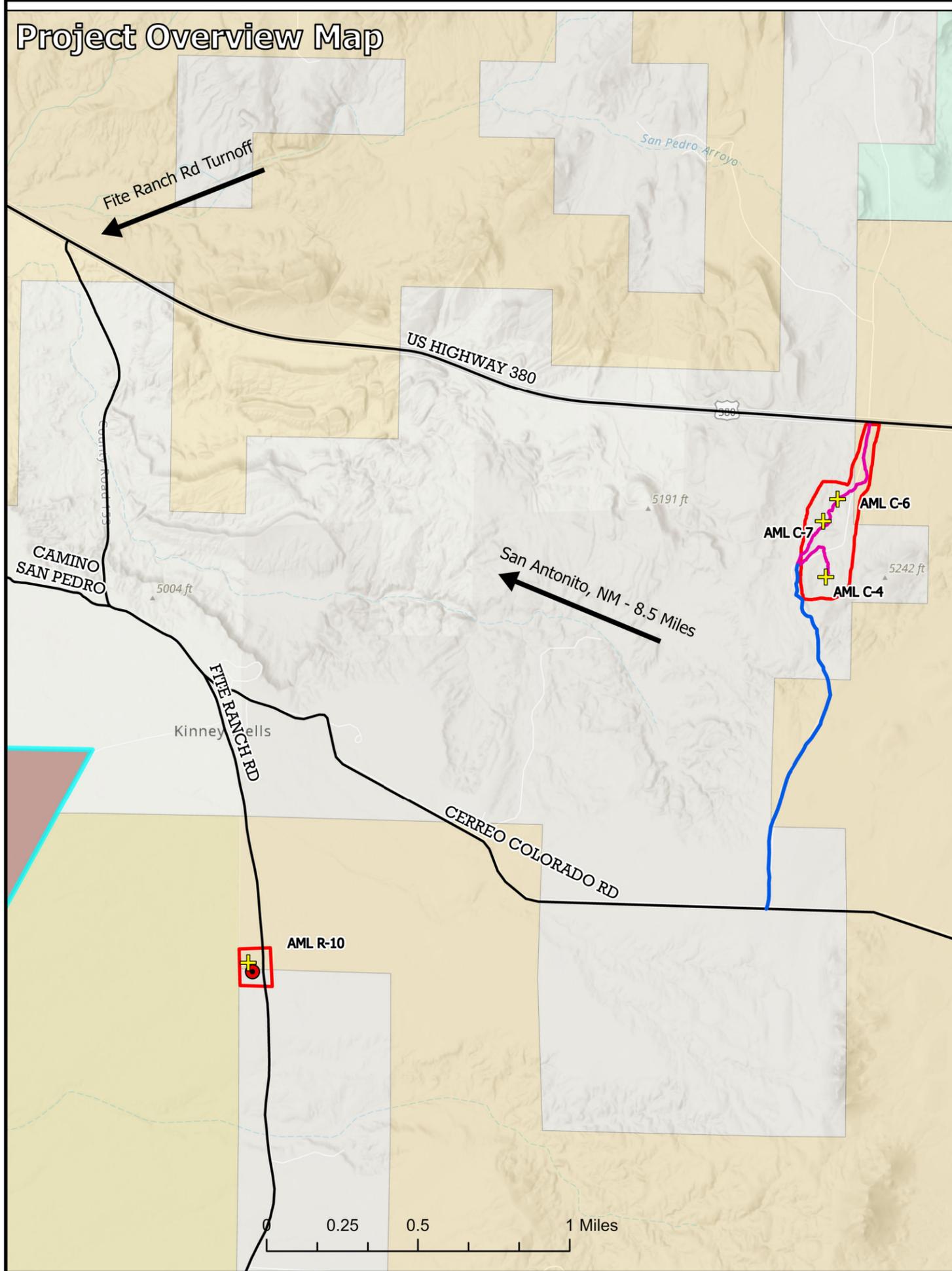


*Meghan J. McDonald*  
 May 9, 2024

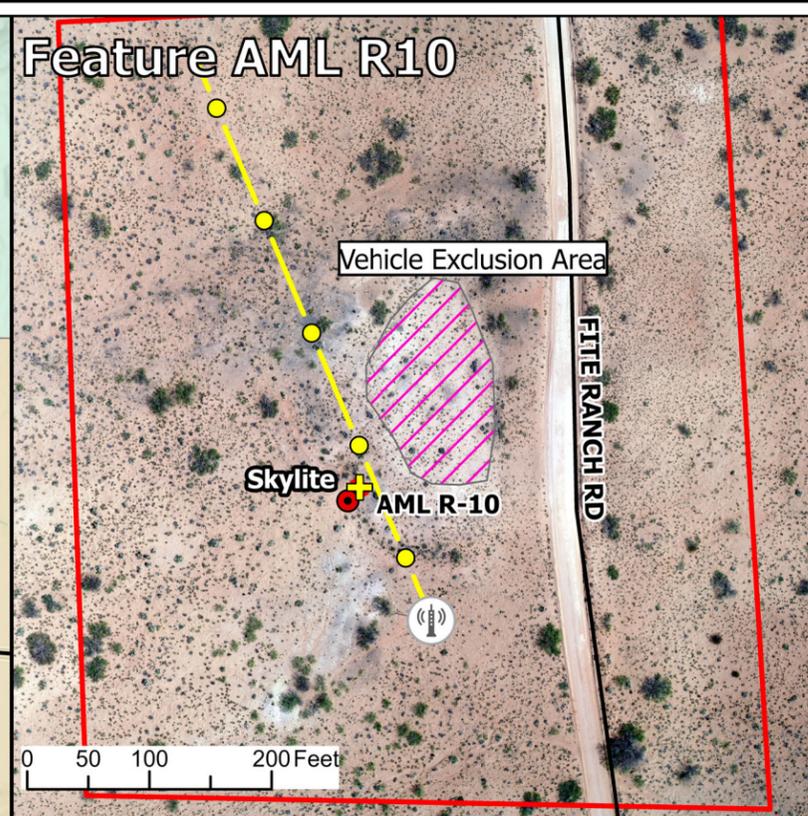
I, MEGHAN MCDONALD HEREBY STATE TO THE BEST OF MY KNOWLEDGE AND UNDERSTANDING THAT THIS DESIGN AND ACCOMPANYING DRAWINGS HAVE BEEN PREPARED BY ME OR UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH STANDARD AND GENERALLY ACCEPTED ENGINEERING PRACTICES AND PROCEDURES IN EFFECT AT THE TIME.

|  |  |                 |  |
|--|--|-----------------|--|
| ABANDONED MINE LAND PROGRAM<br>MINING AND MINERALS DIVISION<br>NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT |  |                 |  |
| SCALE: AS SHOWN  | Cover Sheet                            | DRAWN BY: MJM   |  |
| DATE: 5/1/2024   |  | REVISED BY: DMG |  |
| EMNRD-MMD-2024-02  |  |                 |  |
| FILE: CoverSheet.dwg   | CARTHAGE SAFEGUARD MAINTENANCE PROJECT | FIGURE: 1       |  |

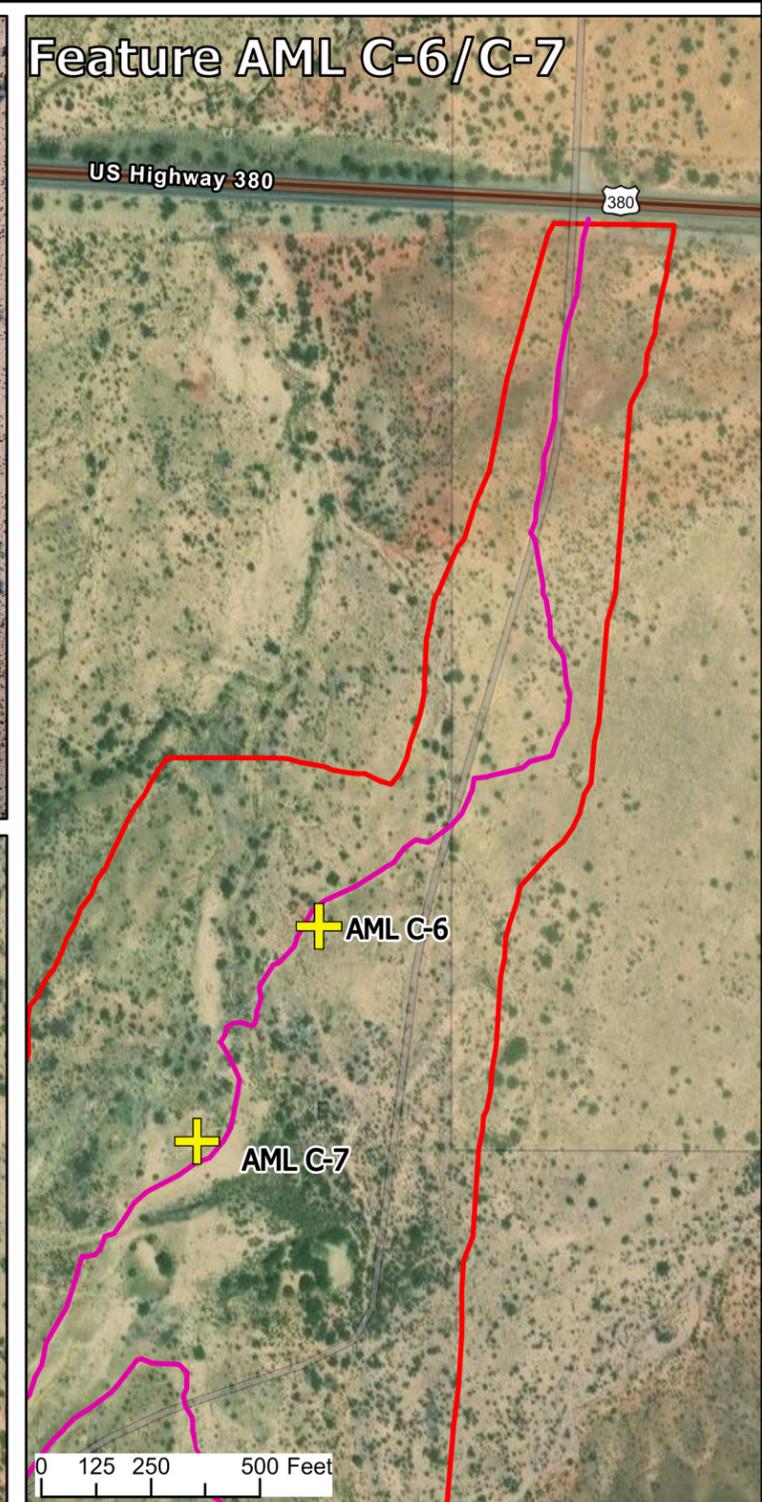
# Project Overview Map



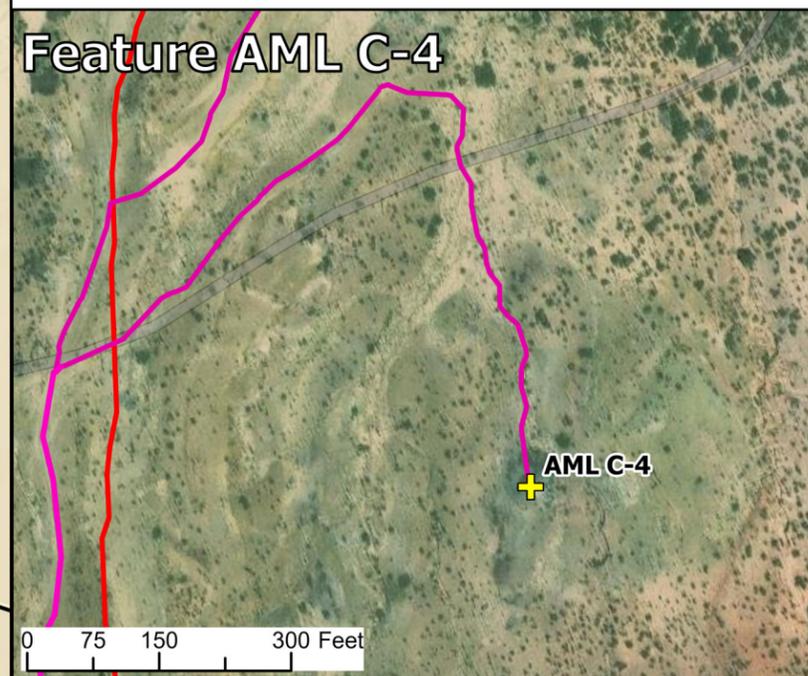
# Feature AML R10



# Feature AML C-6/C-7



# Feature AML C-4



## Sheet 2: Site Access Map

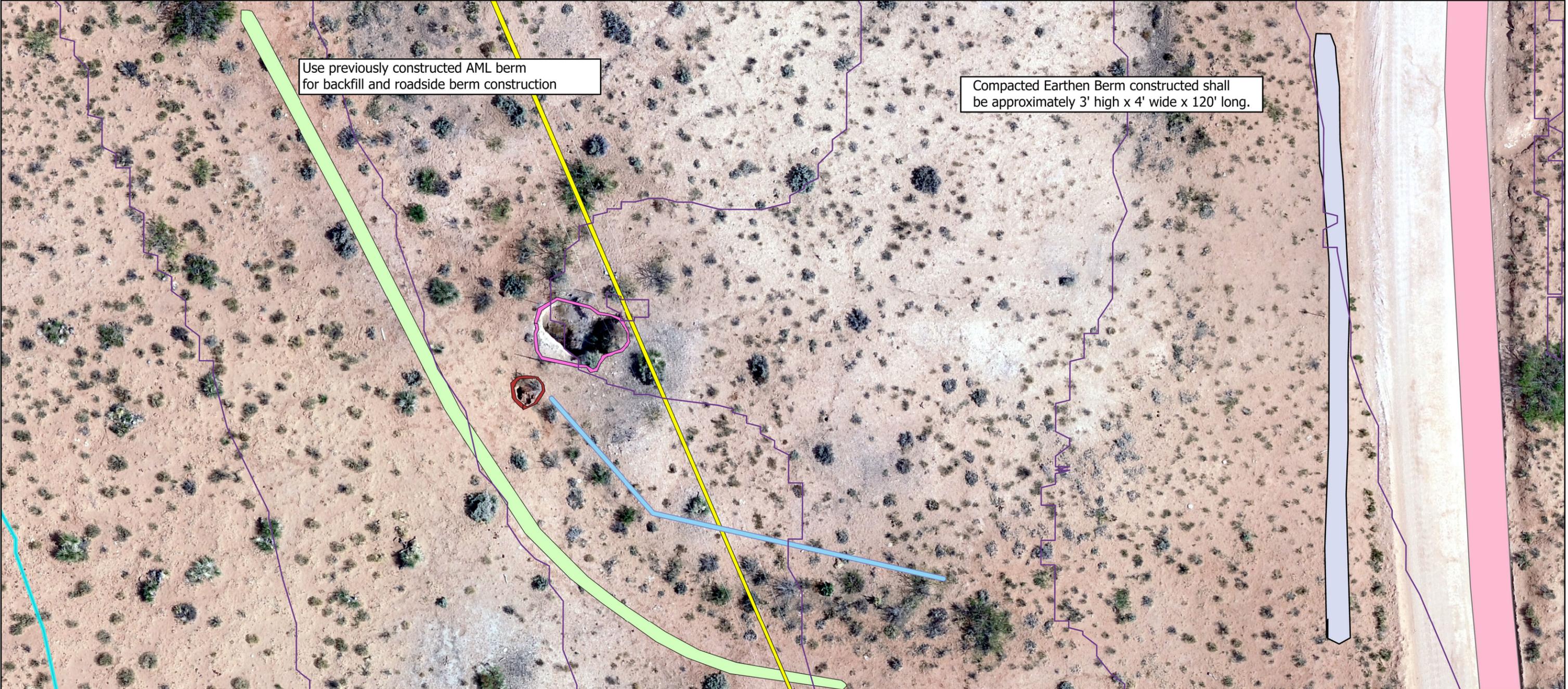
- |                       |                            |
|-----------------------|----------------------------|
| Access Road           | <b>Surface Ownership</b>   |
| Alternate Access Road | State                      |
| Existing Roads        | Private                    |
| Project APE           | Bureau Land Management     |
| Mine Feature          | US Fish & Wildlife Service |



Spatial Reference  
 PCS: NAD 1983 UTM Zone 13N  
 GCS: GCS North American 1983  
 Datum: North American 1983  
 Projection: Transverse Mercator  
 Date: 3/26/2024

Use previously constructed AML berm for backfill and roadside berm construction

Compacted Earthen Berm constructed shall be approximately 3' high x 4' wide x 120' long.



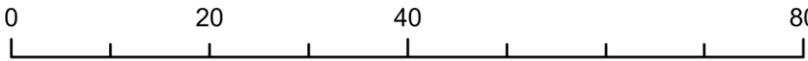
Each berm is field fit as directed by Project Engineer. Construct berm to direct surface water away from mine opening. Berm shall constructed in compliance with Specifications. Side slopes of berm shall be no steeper than 1H:1V. Fill for "to be constructed" berms may be used from previously project berm at discretion of Project Engineer.

### Sheet 3: AML R-10 Berm Locations

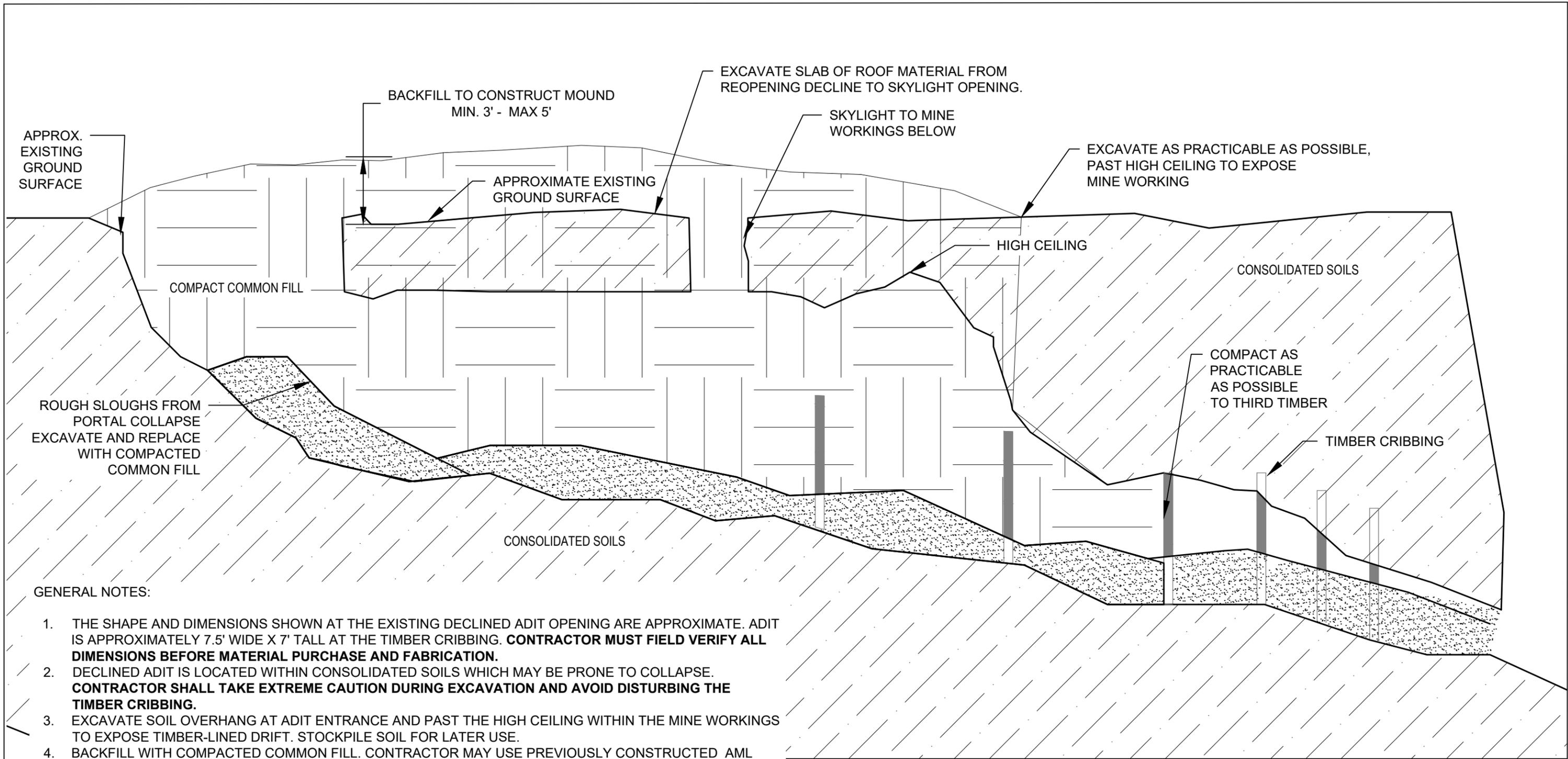


|   |   |
|---|---|
|  Existing Drainage     |  Previous Project Berms            |
|  Existing Road         |  contours_halfMeter_Carthage       |
|  R-10 Feature Outline  |  LA 71968 Boundary                 |
|  Powerline Pole        |  APE_Arcaheology Survey            |
|  R-10 Feature Skylight |  Compacted Earth Berm To Construct |
|  Existing Powerlines   |   |

Spatial Reference  
PCS: NAD 1983 StatePlane New Mexico Central  
FIPS3002 Feet  
GCS: GCS North America 1983  
Datum: North American 1983  
Projection: Traverse Mercator Date : 1/3/2024



Esri Community Maps Contributor  
NASA, USGS, Bureau of Land Management



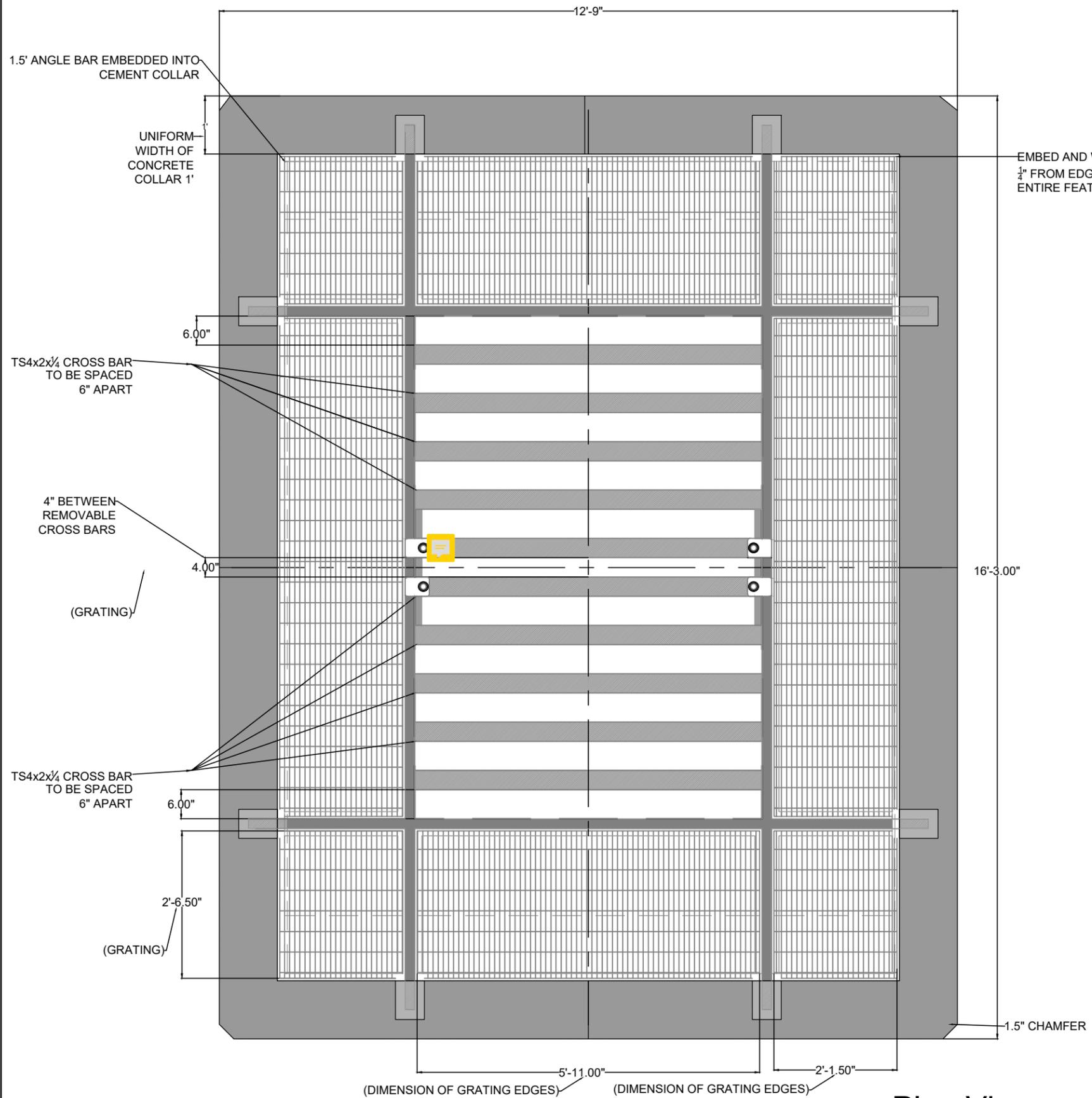
**GENERAL NOTES:**

1. THE SHAPE AND DIMENSIONS SHOWN AT THE EXISTING DECLINED ADIT OPENING ARE APPROXIMATE. ADIT IS APPROXIMATELY 7.5' WIDE X 7' TALL AT THE TIMBER CRIBBING. **CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS BEFORE MATERIAL PURCHASE AND FABRICATION.**
2. DECLINED ADIT IS LOCATED WITHIN CONSOLIDATED SOILS WHICH MAY BE PRONE TO COLLAPSE. **CONTRACTOR SHALL TAKE EXTREME CAUTION DURING EXCAVATION AND AVOID DISTURBING THE TIMBER CRIBBING.**
3. EXCAVATE SOIL OVERHANG AT ADIT ENTRANCE AND PAST THE HIGH CEILING WITHIN THE MINE WORKINGS TO EXPOSE TIMBER-LINED DRIFT. STOCKPILE SOIL FOR LATER USE.
4. BACKFILL WITH COMPACTED COMMON FILL. CONTRACTOR MAY USE PREVIOUSLY CONSTRUCTED AML BERM FOR ADDITIONAL FILL MATERIAL. ADDITIONAL FILL MATERIAL CAN BE IMPORTED. USE ALL OF STOCKPILE FILL BEFORE USING IMPORTED FILL.
5. PERFORM REGULAR MOISTURE CONDITION COMPACTION THROUGHOUT BACKFILLING PROCEDURE.
6. MOUND THE BACK FILL MAXIMUM 5 FT AND MINIMUM 3 FT.
7. BUILD EARTHEN BERM ALONG ROADSIDE ADJACENT TO R-10 FEATURE TO DIVERT STORMWATER AWAY FROM FEATURE AREA SHOWN ON FIGURE 3. USE MATERIAL FROM PREVIOUSLY CONSTRUCTED AML BERM TO CONSTRUCT ROADSIDE BERM. IMPORT FILL MAY BE USED.
8. SEED AND MULCH DISTURBED AREA.

**SECTION**  
SCALE:  $\frac{1}{4}$ " = 1'-0"

CAUTION - THIS PROJECT REQUIRES CONSTRUCTION WORK IN, AROUND, AND OVER HAZARDOUS AND UNPROTECTED MINE SHAFTS, STOPES, ADITS, AND OTHER OPENINGS WHICH MAY BE OPEN TO THE SURFACE OR HIDDEN FROM VIEW BY TRASH, DEBRIS, OR THIN AND UNSTABLE LAYERS OF SURFACE MATERIALS OR ROCK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY INVESTIGATING THE SITE CONDITIONS AND SCHEDULING EQUIPMENT, EQUIPMENT OPERATIONS, PERSONNEL AND SAFETY PROCEDURES TO PREVENT ACCIDENTS AND INJURIES.

|   |  |   |
|---|--|---|
| <b>ABANDONED MINE LAND PROGRAM</b>  |  |  |
| MINING AND MINERALS DIVISION<br>NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT |  |   |
| SCALE: AS SHOWN   | AML R-10, Kinney Mine No.3             | DRAWN BY: DMC   |
| DATE: 4/29/2024   |  | REVISED BY:   |
| <b>BACKFILL CLOSURE</b>   |  |   |
| FILE: AML-R10.dwg   | CARTHAGE SAFEGUARD MAINTENANCE PROJECT | FIGURE: 4   |



EMBED AND WELD EDGE OF ANGLE BAR  $\frac{1}{4}$ " FROM EDGE OF ANGLE BAR THROUGH ENTIRE FEATURE

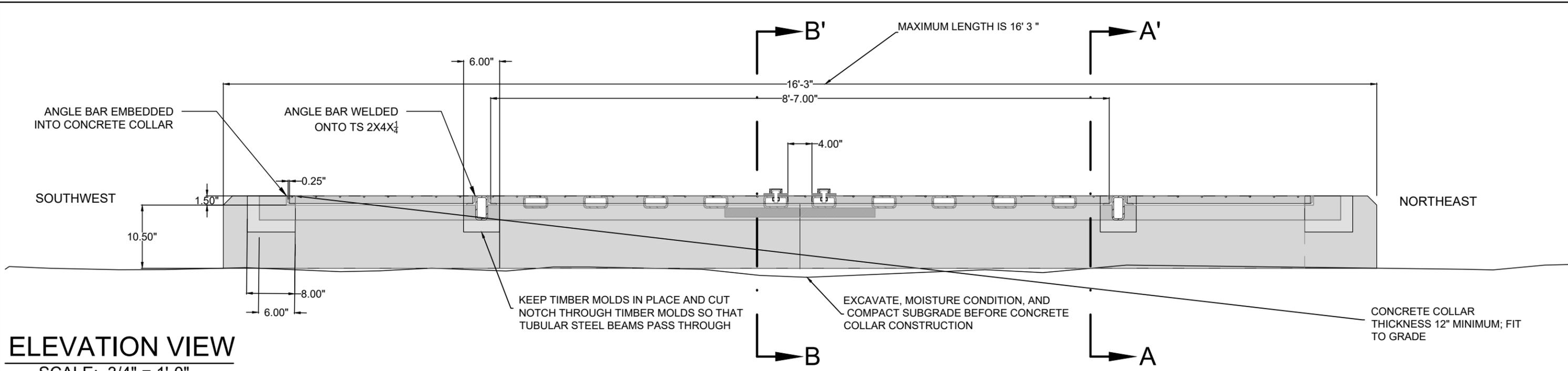
**GENERAL NOTES:**

1. REMOVE 3" X 12" TIMBER PLANKS FROM PREVIOUS AML CLOSURE TO EXPOSE MINE OPENING. LEAVE 12" X 12" AND 12" X 2" GRADE BEAMS IN PLACE. DO NOT DISTURB HISTORIC TIMBER CRIBBING.
2. EXCAVATE, MOISTURE CONDITION, AND COMPACT SUBGRADE BEFORE CONSTRUCTION OF CONCRETE COLLAR. AVOID DISTURBANCE OF HISTORIC TIMBER AND RAIL FEATURES AT NORTHWEST SIDE OF FEATURE.
3. CONSTRUCT 12" WIDE REINFORCED RECTANGULAR CONCRETE COLLAR AS SHOWN ON PLANS. COLLAR SHALL BE 12" TO 18" THICK TO ACHIEVE A LEVEL SURFACE.
4. CONCRETE COLLAR SHALL HAVE 2 LAYERS OF REBAR REINFORCEMENT WHERE COLLAR IS 12" THICK. REBAR SHALL BE PLACED NOT LESS THAN 2" FROM AN EXTERIOR SURFACE AND NOT MORE THAN 4 INCHES FROM AN EXTERIOR SURFACE.
5. CONCRETE COLLAR SHALL HAVE 1.5" CHAMFER ON EACH CORNER
6. INSTALL TS4X2X1/4 SUPPORT BARS ON GROUT PADS IN CONCRETE COLLAR AS SHOWN ON DRAWING. SUPPORT BARS SHALL HAVE CLOSURE PLATES ON THE OPEN ENDS. WITH PROPER FORMWORK, BRACING OF THE SUPPORT BEAMS, AND CONCRETE CONSOLIDATION, THE CONTRACTOR MAY CAST THE SUPPORT BAR INTO THE CONCRETE COLLAR.
7. INSTALL ANGLE BAR, EMBED ANGLE BAR INTO CONCRETE COLLAR AND GROUT PADS. WELD ANGLE BAR ON TO SUPPORT BEAMS.
8. INSTALL STEEL GRATE ONTO ANGLE BAR. STEEL GRATE WILL BE NO MORE THAN  $\frac{1}{4}$ " IN FROM VERTICLE EDGE OF ANGLE BAR.
9. WELD TS4X2X1/4 CROSS BARS ONTO SUPPORT BARS AS SHOWN ON DRAWING.
10. INSTALL TWO REMOVABLE BARS WITH LOCKING BOLTS CENTERED OVER HISTORIC MINE OPENING. SEE FIGURE 6 AND 7 FOR DETAILS.
11. TUBULAR STEEL, STEEL SHAPES, PLATES, AND BARS SHALL BE WEATHERING STEEL AS SPECIFIED. TOLERANCES ON THE CENTER-TO-CENTER DIMENSIONS BETWEEN CROSSBARS IS  $\pm 1/16$  INCH.  
GRATING STEEL SHALL BE CARBON STEEL AS SPECIFIED.
12. CONSTRUCT AND WELD THE CLOSURES TO ELIMINATE SURFACES ON WHICH MOISTURE ACCUMULATION CAN OCCUR. WELD ALL JOINTS. JOINTS SHALL BE TIGHT SO THAT MOISTURE CANNOT ENTER BETWEEN THE PLIES OF MATERIAL.
13. SALVAGE THE ON-SITE FEATURE MARKER AND EMBED INTO THE CONCRETE COLLAR.
14. SEED AND MULCH DISTURBED AREA AROUND FEATURE.

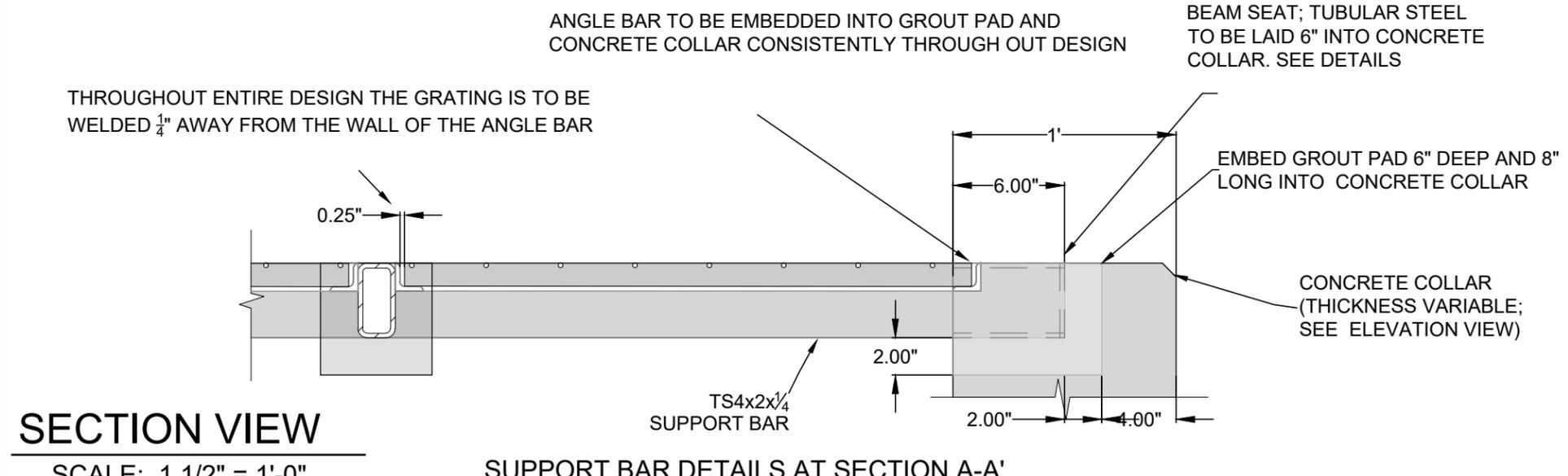
CAUTION - THIS PROJECT REQUIRES CONSTRUCTION WORK IN, AROUND, AND OVER HAZARDOUS AND UNPROTECTED MINE SHAFTS, STOPS, ADITS, AND OTHER OPENINGS WHICH MAY BE OPEN TO THE SURFACE OR HIDDEN FROM VIEW BY TRASH, DEBRIS, OR THIN AND UNSTABLE LAYERS OF SURFACE MATERIALS OR ROCK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY INVESTIGATING AND IDENTIFYING ALL HAZARDOUS MATERIALS, EQUIPMENT OPERATIONS, PERSONNEL AND SAFETY PROCEDURES TO PREVENT ACCIDENTS AND INJURIES.

**Plan View**  
SCALE:  $\frac{1}{2}$ " = 1'-0"

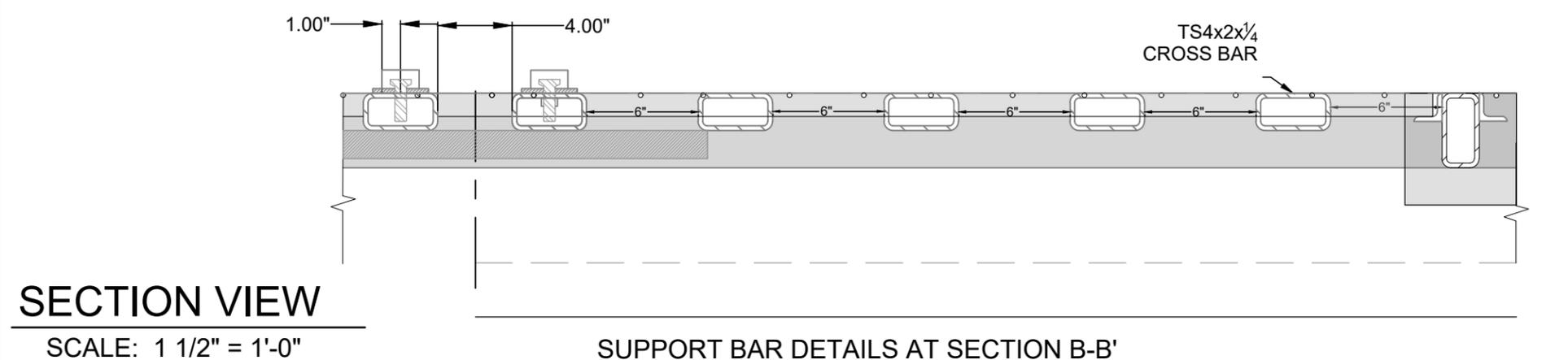
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| <b>ABANDONED MINE LAND PROGRAM</b><br>MINING AND MINERALS DIVISION<br>NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT |                              |                 |  |
| SCALE: AS SHOWN   | AML C-4, Hart Mine           | DRAWN BY: MWT   |  |
| DATE: 4/30/2024   |                              | REVISED BY: DMC |  |
| Shaft Bat Gate  |                              |                 |  |
| FILE: C-4 Maintenance.dwg   | CARTHAGE MAINTENANCE PROJECT | FIGURE: 5       |  |



**ELEVATION VIEW**  
SCALE: 3/4" = 1'-0"



**SECTION VIEW**  
SCALE: 1 1/2" = 1'-0"



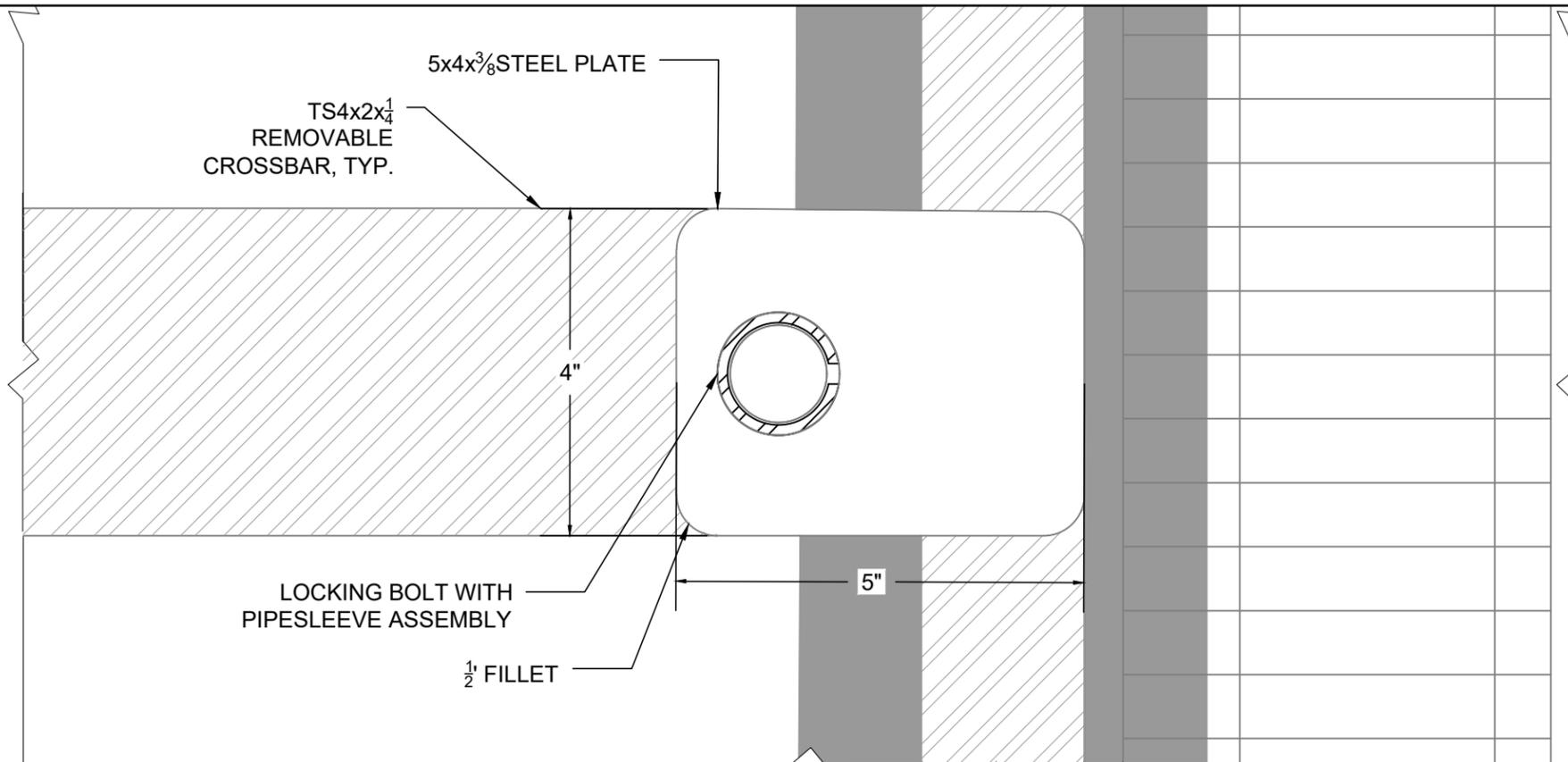
**SECTION VIEW**  
SCALE: 1 1/2" = 1'-0"

**GENERAL NOTES:**

1. CONCRETE COLLAR SHALL HAVE 2 LAYERS OF REBAR REINFORCEMENT WHERE COLLAR IS 12" THICK AND THREE LAYERS OF REBAR REINFORCEMENT WHERE COLLAR IS 18" THICK. REBAR SHALL BE PLACED NOT LESS THAN 2" FROM AN EXTERIOR SURFACE AND NOT MORE THAN 4 INCHES FROM AN EXTERIOR SURFACE.
2. INSTALL TS4X2X1/4 SUPPORT BARS ON GROUT PADS IN CONCRETE COLLAR AS SHOWN ON DRAWING. SUPPORT BARS SHALL HAVE CLOSURE PLATES ON THE OPEN ENDS. WITH PROPER FORMWORK, BRACING OF THE SUPPORT BEAMS, AND CONCRETE CONSOLIDATION, THE CONTRACTOR MAY CAST THE SUPPORT BAR INTO THE CONCRETE COLLAR.
3. TUBULAR STEEL, STEEL SHAPES, PLATES, AND BARS SHALL BE WEATHERING STEEL AS SPECIFIED. WELD ALL JOINTS. TOLERANCES ON THE CENTER-TO-CENTER DIMENSIONS BETWEEN CROSSBARS IS  $\pm 1/16$  INCH.
4. CONSTRUCT AND WELD THE CLOSURES TO ELIMINATE SURFACES ON WHICH MOISTURE ACCUMULATION CAN OCCUR. JOINTS SHALL BE TIGHT SO THAT MOISTURE CANNOT ENTER BETWEEN THE PLYS OF MATERIAL.

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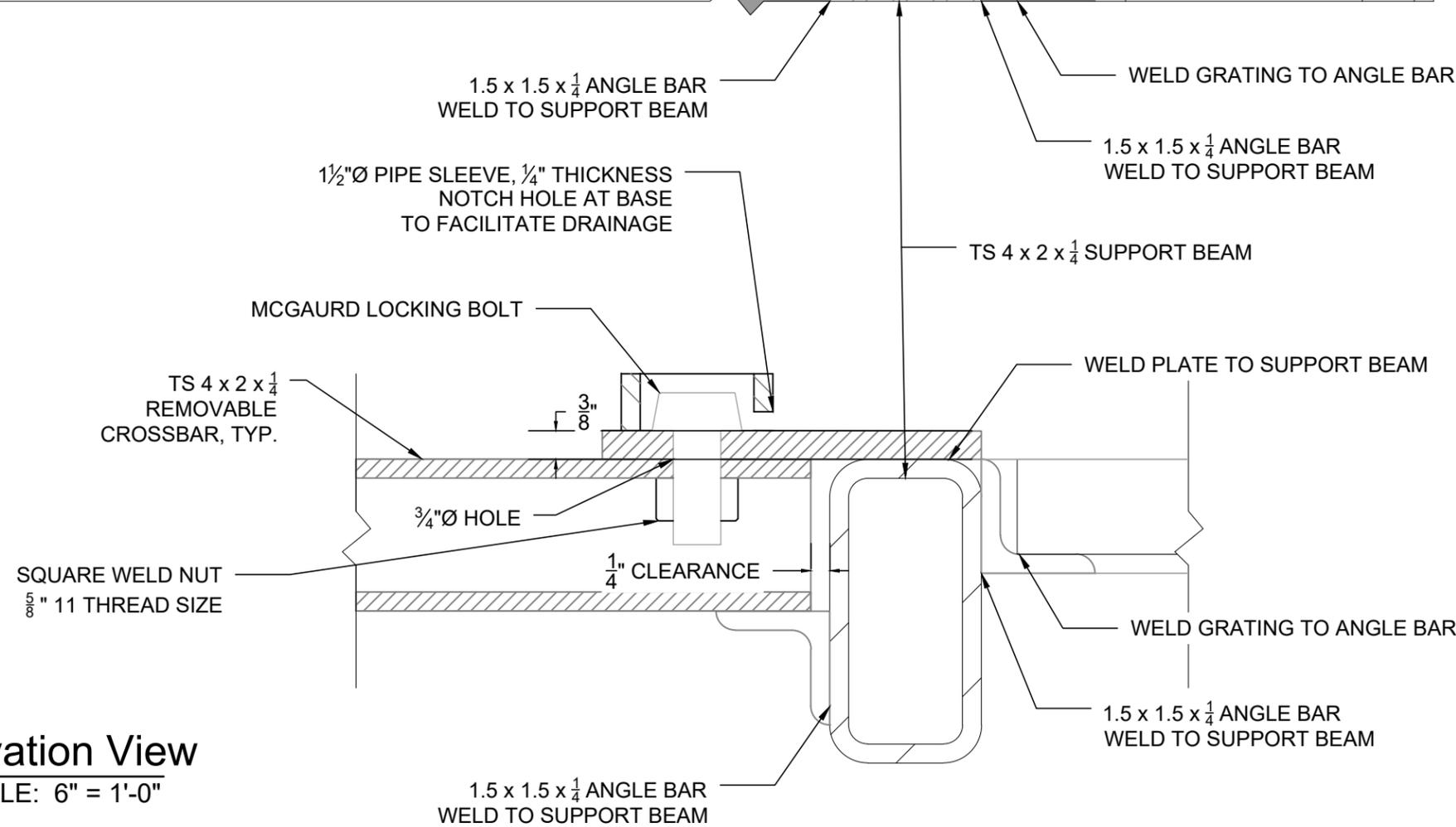
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|---|------------------------------|-----------------|
| <b>ABANDONED MINE LAND PROGRAM</b><br>MINING AND MINERALS DIVISION<br>NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT |                              |                 |
| SCALE: AS SHOWN   | AML C-4, Hart Mine           | DRAWN BY: MWT   |
| DATE: 12/20/2023  |                              | REVISED BY: DMC |
| Shaft Bat Gate Details  |                              |                 |
| FILE: AML C-4.dwg   | CARTHAGE MAINTENANCE PROJECT | FIGURE: 6       |



**Plan View**  
SCALE: 6" = 1'-0"  
(TOP VIEW)

**GENERAL NOTES:**

1. STEEL PLATES AND SHAPES SHALL BE WEATHERING STEEL. WELD ALL JOINTS, EXCEPT AS OTHERWISE INDICATED. CONSTRUCT THE LOCK TO ELIMINATE SURFACES ON WHICH MOISTURE OR DEBRIS CAN BE TRAPPED. JOINTS SHALL BE TIGHT SO THAT MOISTURE CANNOT ENTER BETWEEN THE PLIES OF MATERIAL. ROUND OR CHAMFER ALL EXPOSED SHARP CORNERS AND EDGES.
2. "MANGANAL" BARS SHALL BE HIGH MANGANESE STEEL WITH 12% TO 14% MANGANESE. EACH BAR SHALL EXTEND THE FULL LENGTH OF EACH REMOVABLE CROSSBAR.
3. ALONG THE BOTTOM OF EACH REMOVABLE CROSSBAR, DRILL 1/2" DIAMETER HOLES AT 1'-0" O.C.
4. THE CONTRACTOR SHALL PROVIDE THE NUTS (5/8"Ø - 11 UNC CLASS 2A THREAD). THE PROJECT MANAGER WILL SUPPLY THE LOCKING BOLTS.
5. COAT THE THREADS OF THE LOCKING BOLTS WITH LPS1 LUBRICANT AND INSTALL FIRMLY WITH 50 TO 75 POUNDS OF TORQUE.



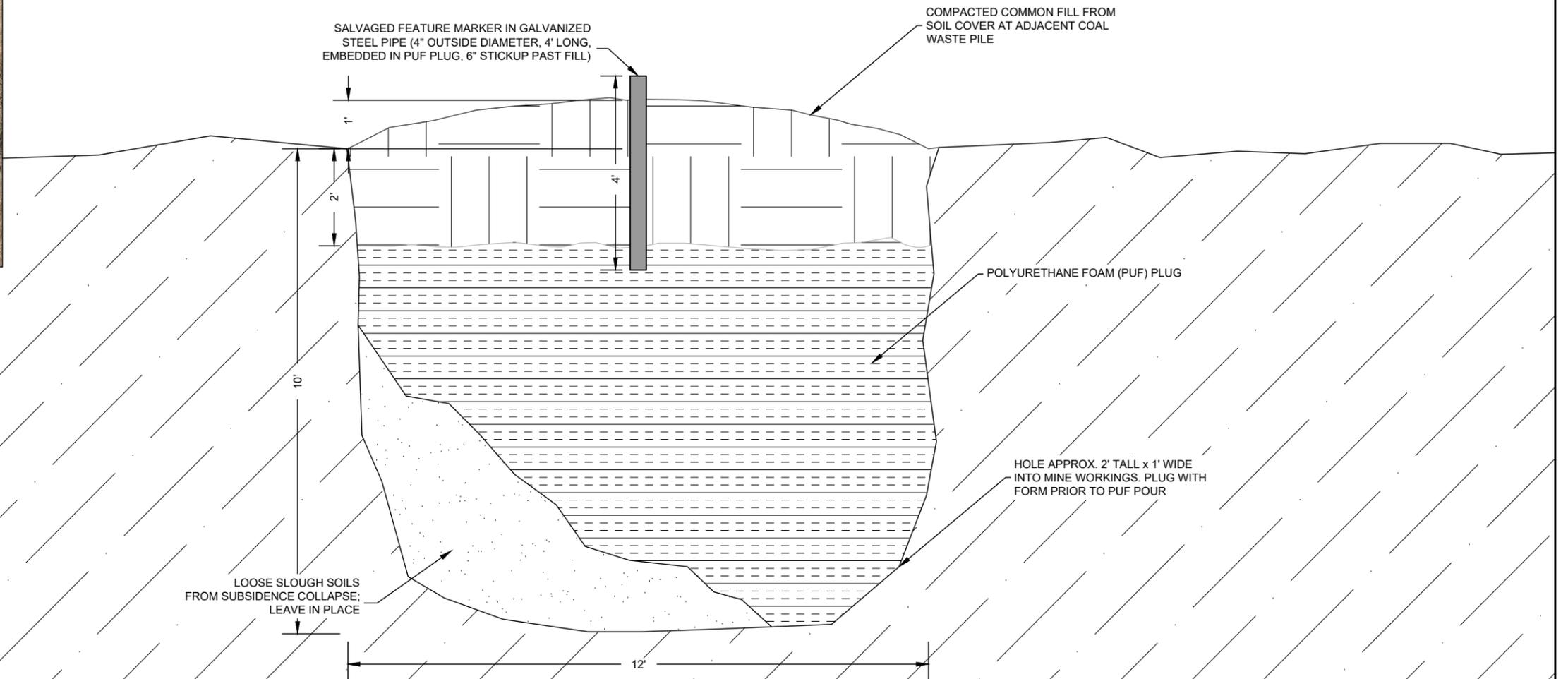
**Elevation View**  
SCALE: 6" = 1'-0"

CAUTION - THIS PROJECT REQUIRES CONSTRUCTION WORK IN, AROUND AND OVER HAZARDOUS AND UNPROTECTED SLOTTED STOPS, AND OTHER OPENINGS WHICH MAY BE OPEN TO THE SURFACE OR HIDDEN FROM VIEW BY TRASH, DEBRIS OR THIN AND UNSTABLE LAYERS OF SURFACE MATERIALS OR ROCK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY INVESTIGATING THE SITE CONDITIONS AND SCHEDULING EQUIPMENT OPERATIONS, PERSONNEL AND SAFETY PROCEDURES TO PREVENT ACCIDENTS AND INJURIES.

|   |                              |               |
|---|------------------------------|---------------|
| <b>ABANDONED MINE LAND PROGRAM</b><br>MINING AND MINERALS DIVISION<br>NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT |                              |               |
| SCALE: AS SHOWN   | AML C-4, HART MINE           | DRAWN BY: DMC |
| DATE: 5/1/2024  |                              | REVISED BY:   |
| <b>REMOVABLE CROSS BAR DETAIL</b>   |                              |               |
| FILE: C-4 Maintenance.dwg   | CARTHAGE MAINTENANCE PROJECT | FIGURE: 7     |



AML C-6 SUBSIDENCE



SECTION

SCALE: 3/8" = 1'-0"

GENERAL NOTES:

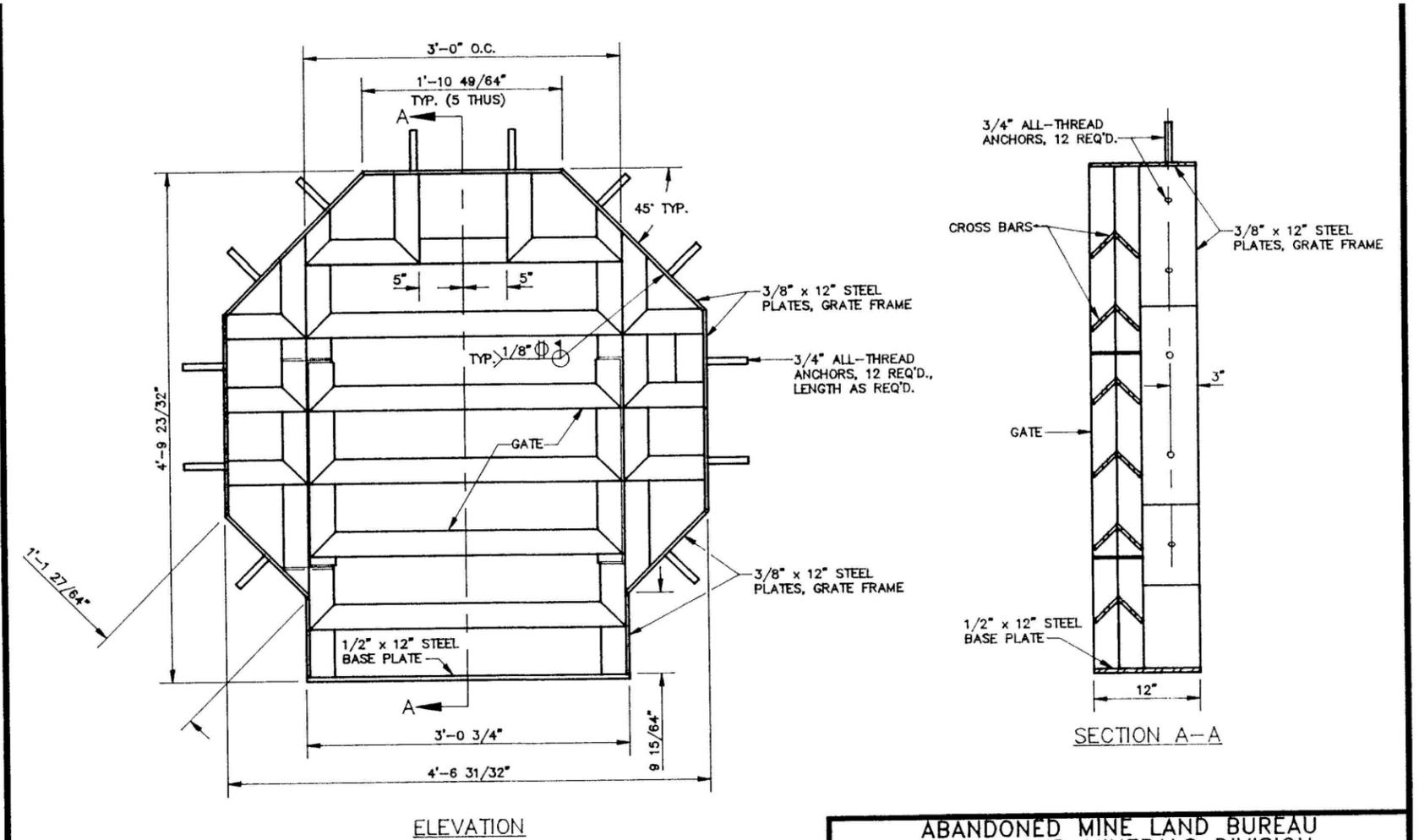
1. THE SHAPE AND DIMENSIONS OF THIS MINE FEATURE ARE APPROXIMATE. SUBSIDENCE IS APPROXIMATELY 11' WIDE x 12' LONG x 10' DEEP. **CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS BEFORE MATERIAL PURCHASE AND FABRICATION.**
2. THE FEATURE IS LOCATED WITHIN CONSOLIDATED SOILS WHICH MAY BE PRONE TO COLLAPSE. CONTRACTOR SHALL TAKE EXTREME CAUTION DURING CONSTRUCTION.
3. EXCAVATE AND SAVE LOOSE SOIL AROUND OUTER RIM OF FEATURE. DO NOT REMOVE SLOUGH SOILS AT THE BOTTOM OF THE FEATURE.
4. CONSTRUCT POLYURETHANE FOAM (PUF) FILL AND INSTALL FEATURE MARKER PIPE WITHIN PUF. ALLOW PUF TO CURE ACCORDING TO SPECIFICATIONS.
5. BACKFILL WITH COMMON UNCLASSIFIED FILL FROM ADJACENT MINE WASTE PILE AND FROM SOILS STOCKPILED FROM EXCAVATION OF FEATURE RIM. FILL FROM ADJACENT MINE WASTE PILE SHALL BE TAKEN FROM THE TOE AND SHALL NOT LEAVE STEEP SLOPES.
6. FILL SHALL BE MOISTURE CONDITIONED PRIOR TO PLACEMENT. BACKFILL IN 8" LOOSE LIFTS AND COMPACT WITH HAND-HELD COMPACTOR CAREFULLY OVER PUF PLUG. A MINIMUM OF 2' OF COMPACTED FILL SHALL BE PLACED ABOVE THE PUF PLUG TO THE SURROUNDING GRADES. FILL SHALL THEN BE MOUNDED OVER THE FEATURE TO 1' COMPACTED THICKNESS ABOVE SURROUNDING GRADE. FEATURE MARKER PIPE SHALL HAVE A 6" STICKUP ABOVE FILL.
7. INSTALL SALVAGED BRASS FEATURE MARKER INTO PIPE AND SECURE ENTIRE LENGTH OF PIPE WITH GROUT.
8. SEED AND MULCH ACCORDING TO SPECIFICATIONS

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|   |  |                 |  |
|---|--|-----------------|--|
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| SCALE: AS SHOWN   | AML C-6, Hart Mine                     | DRAWN BY: MJM   |  |
| DATE: 12/20/2023  |  | REVISED BY: DMC |  |
| <b>PUF PLUG CLOSURE</b>   |  |                 |  |
| FILE: AML C-6.dwg   | CARTHAGE SAFEGUARD MAINTENANCE PROJECT | FIGURE: 8       |  |



AML C-7 SWINGING BAT GATE



ELEVATION

SECTION A-A

GENERAL NOTES:

1. DETAILS OF THE BAT GRATE AND GATE NOT SHOWN ON THIS FIGURE SHALL BE IN ACCORDANCE WITH STANDARD DRAWING No. 3, SHEETS 1 AND 2.
2. USE THE ALL-THREAD ANCHORS TO BOLT THE GRATE FRAME INSIDE THE 72-INCH CMP AT ADIT C-7.
3. FOLLOWING FABRICATION, ALL SURFACES OF STEEL SHAPES, PLATES, AND ASSEMBLIES TO BE EXPOSED AFTER CONSTRUCTION SHALL BE SHOP PRIMED AND FINISHED. SEE SPECIFICATIONS FOR REQUIREMENTS.
4. PROVIDE 1/4" CLOSURE PLATE IN COLUMN AT BOTTOM OF GATE TO SUPPORT LOWER GATE PIN.

|   |                                     |               |                                  |
|---|-------------------------------------|---------------|----------------------------------|
| <b>ABANDONED MINE LAND BUREAU</b><br><b>MINING AND MINERALS DIVISION</b><br>ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT |                                     |               |                                  |
| SCALE: 3/4" = 1'-0"   | APPROVED BY: <i>John A. Katzman</i> | DRAWN BY: JAK |                                  |
| DATE: DEC. 7, 1992  |                                     | REVISED:      |                                  |
| <b>BAT GRATE FOR ADIT C-7</b>   |                                     |               |                                  |
| SAN ANTONIO, NEW MEXICO   |                                     |               | DRAWING NUMBER: <b>FIGURE 21</b> |

AML C-7 GATE DESIGN (1992)

CAUTION - THIS PROJECT REQUIRES CONSTRUCTION WORK IN, AROUND, AND OVER HAZARDOUS AND UNPROTECTED MINE SHAFTS, STOPS, ADITS, AND OTHER OPENINGS WHICH MAY BE OPEN TO THE SURFACE OR HIDDEN FROM VIEW BY TRASH, DEBRIS, OR THIN AND UNSTABLE LAYERS OF SURFACE MATERIALS OR ROCK. THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR THOROUGHLY INVESTIGATING THE SITE CONDITIONS AND SCHEDULING EQUIPMENT, PERSONNEL AND SAFETY PROCEDURES TO PREVENT ACCIDENTS AND INJURIES.



AML C-7 MASTERLOCK IN LOCK BOX

GENERAL NOTES:

1. AML C-7 CONSISTS OF A HINGED BAT GATE INSTALLED WITHIN AN ANGLED CORRUGATED METAL PIPE THAT LEADS INTO A DECLINED MINE ADIT. THE GATE IS MADE OF ANGLE IRON AND IS SECURED WITH MASTERLOCK WITHIN A PLATE-STEEL LOCK BOX.
2. REMOVE MASTERLOCK WITHIN LOCKBOX WITH MINIMAL DAMAGE TO THE GATE STRUCTURE TO ALLOW ACCESS BY AML PERSONNEL. THE LOCKBOX MAY BE CUT TO ACCESS THE LOCK.
3. INSTALL NEW LOCK TO ENSURE EASIER ACCESS TO SWING GATE. METHOD SHALL BE APPROVED BY THE AML PROJECT ENGINEER PRIOR TO CONSTRUCTION.
4. REPAIR ANY DAMAGE TO THE GATE STRUCTURE CAUSED DURING REMOVAL OF MASTERLOCK.

|  |  |               |  |
|--|--|---------------|--|
| <b>ABANDONED MINE LAND PROGRAM</b><br><b>MINING AND MINERALS DIVISION</b><br>NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT |  |               |  |
| SCALE: AS SHOWN  | AML C-7 Swinging Bat Gate              | DRAWN BY: MJM |  |
| DATE: 12/20/2023   |  | REVISED BY: - |  |
| EMNRD-MMD-2022-03  |  |               |  |
| FILE: AML C-7.dwg  | CARTHAGE SAFEGUARD MAINTENANCE PROJECT | FIGURE:       |  |