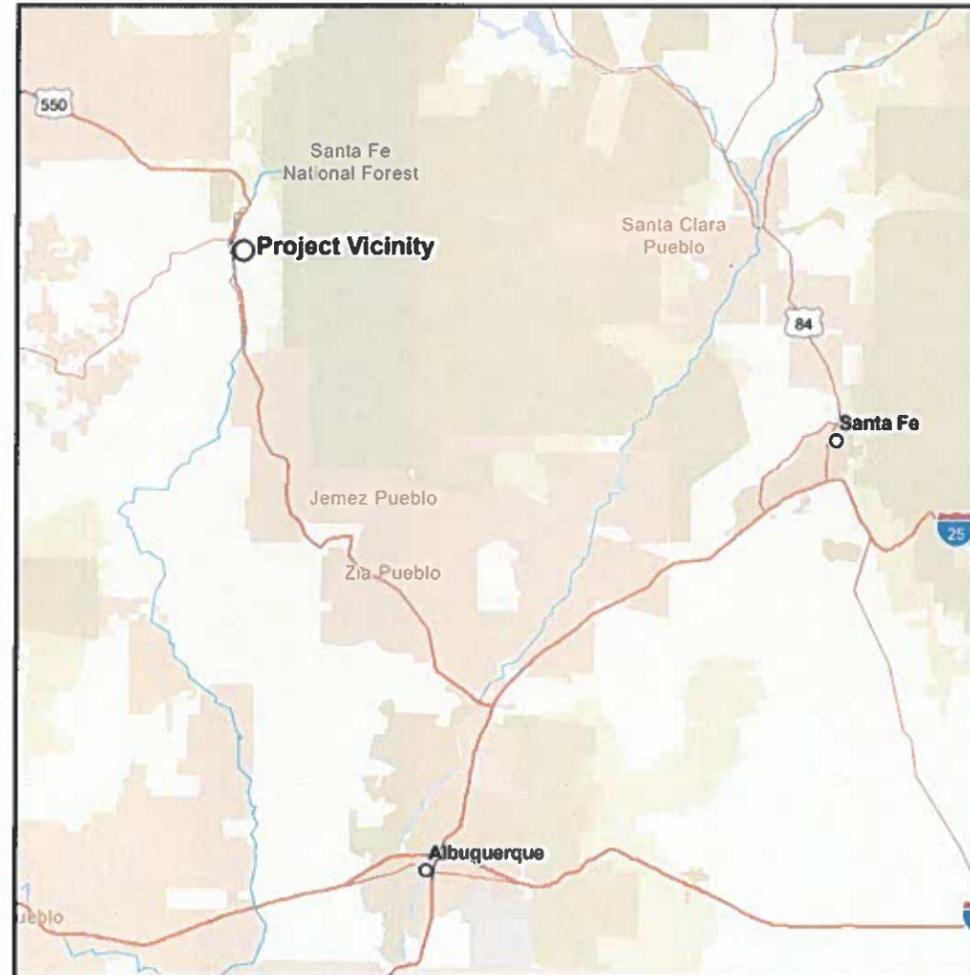




LA VENTANA MINE MAINTENANCE PROJECT

CUBA, NM

PROJECT NO. EMNRD-MMD-2025-06



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PROJECT CONTACT

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 PHONE: (505)819-8180

I, MICHAEL TOMPSON 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
 Mining and Minerals Division
 New Mexico Energy, Minerals, and Natural Resources Department



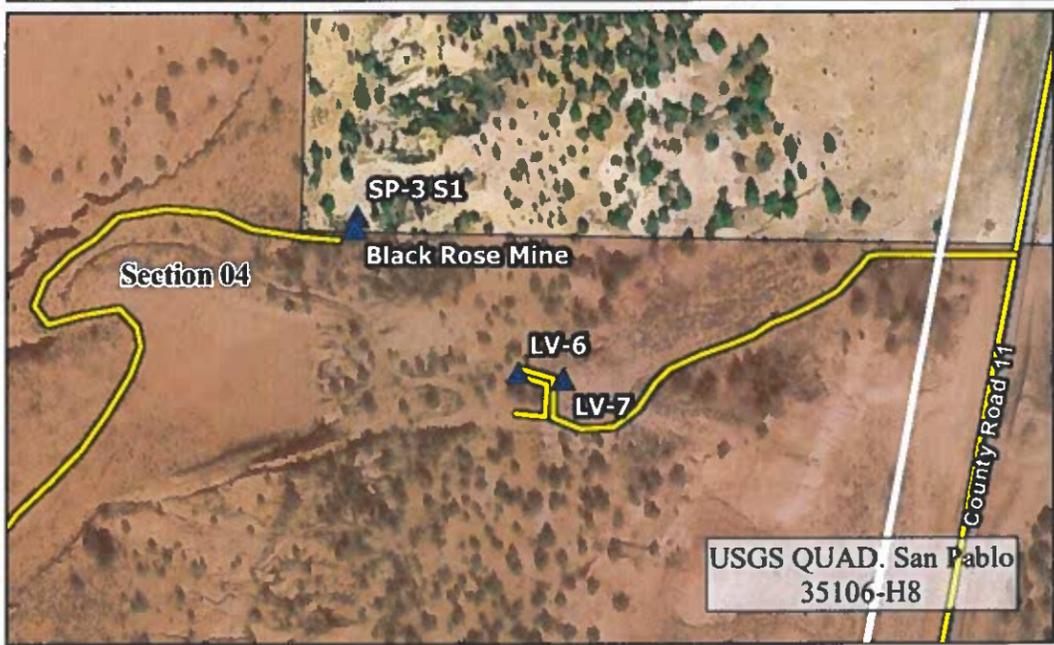
PROJECT AREA MAP

EMNRD-MMD-2025-06

LA VENTANA MINE MAINTENANCE PROJECT

SHEET 1

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 UNSTABLE LAYERS OF SURFACE MATERIALS OR ROCK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY INVESTIGATING THE SITE CONDITIONS AND SCHEDULING EQUIPMENT, EMPLOYMENT, OPERATIONS, PERSONNEL, AND SAFETY PROCEDURES TO PREVENT ACCIDENTS AND INJURIES.



▲ Dangerous Openings	Surface Land Ownership	0 0.13 0.25 Miles	N ↑
▭ Area of Potential Effects	■ BLM	0 0.13 0.25 Kilometers	
— Access	■ Private		
▭ PLSS Section	■ State		
▭ PLSS Township		Scale: 1:10,000 NAD 1983 UTM Zone 13N	
▭ USGS Quad 7.5 minute			

GENERAL NOTES:

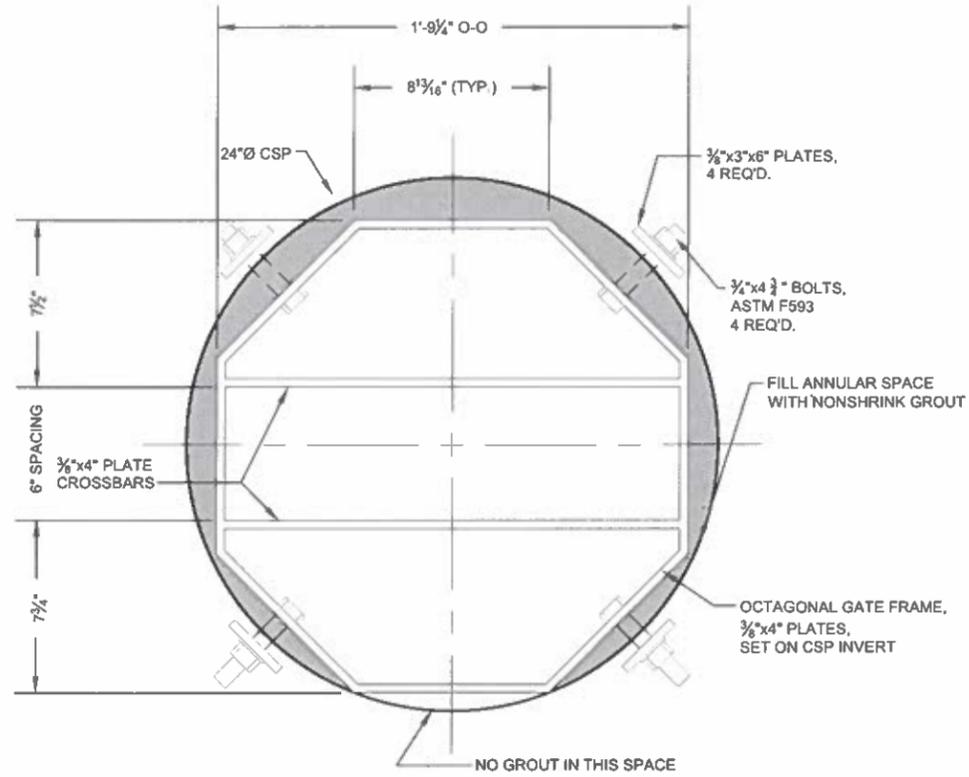
1. THE SHAPE AND DIMENSIONS SHOWN FOR THE EXISTING ADIT OPENING ARE APPROXIMATE. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION.
2. STEEL PLATES AND SHAPES SHALL BE WEATHERING STEEL. WELD ALL JOINTS. CONSTRUCT THE BAT GATE TO ELIMINATE SURFACES ON WHICH MOISTURE OR DEBRIS CAN BE TRAPPED. ALL TUBULAR MEMBERS SHALL BE HERMETICALLY SEALED TO PREVENT THE INCURSION OF MOISTURE, EXCEPT AS OTHERWISE NOTED. ROUND OR CHAMFER ALL EXPOSED SHARP CORNERS AND EDGES.
3. DOUBLE-NUT ALL BOLTS.
4. VERIFY THAT THE OPENINGS OF THE CSP ARE NOT OBSTRUCTED BY FILL, ROCK OR PUF.
5. THE FINISH GRADE ON THE OUTSIDE OF THE CULVERT SHALL HAVE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.



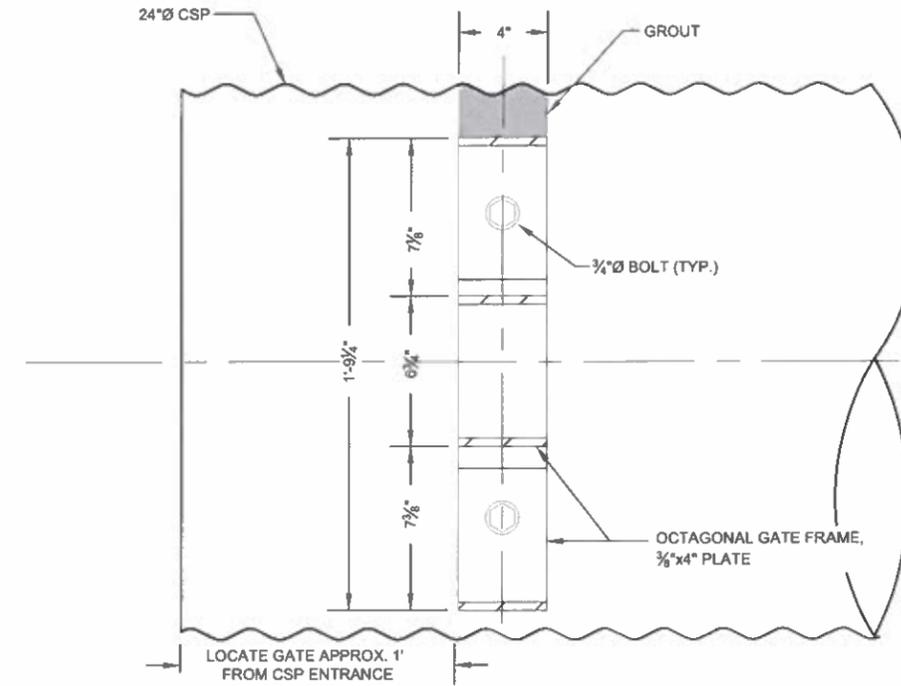
LV7



LV6



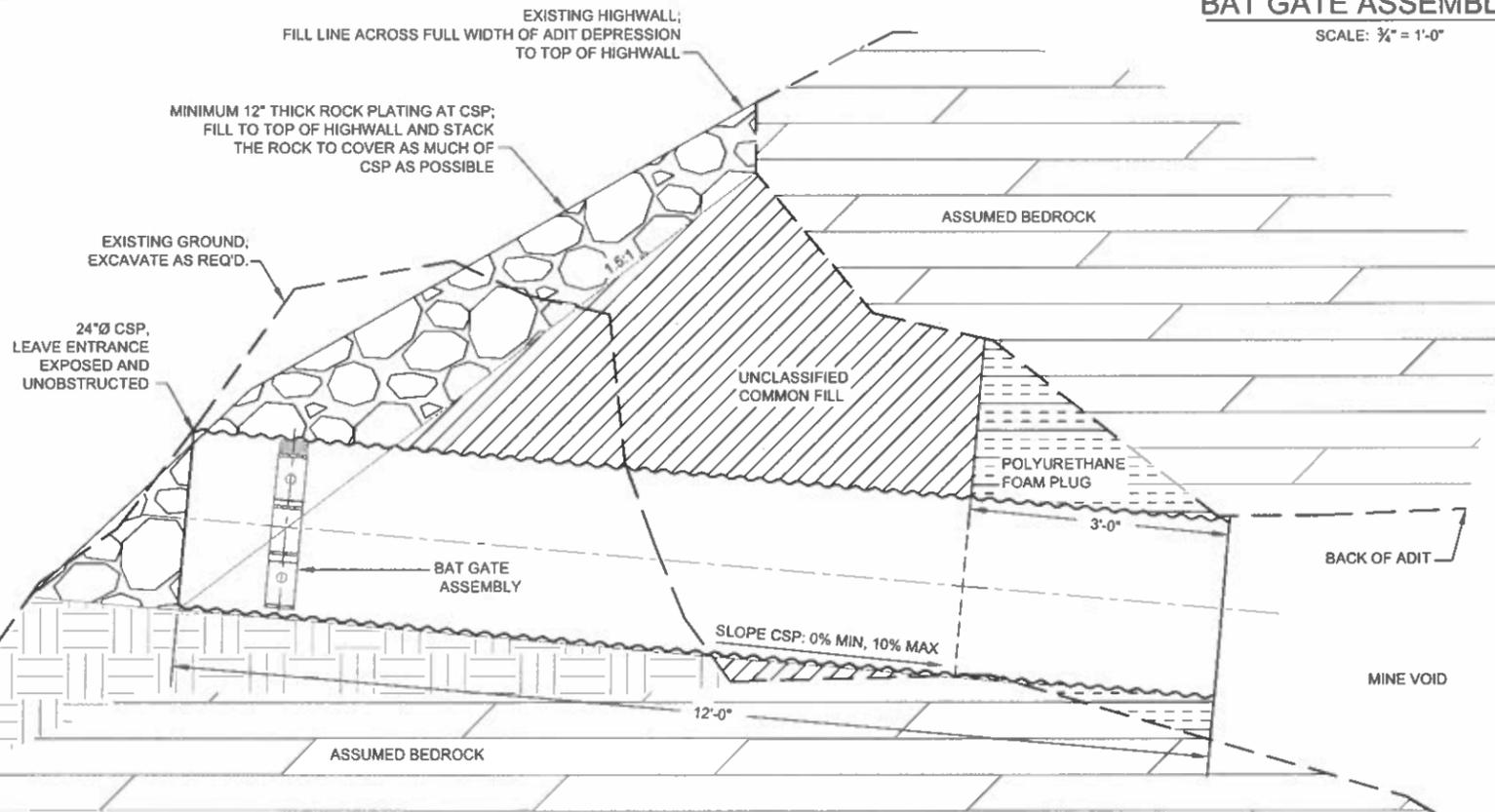
ELEVATION



SECTION

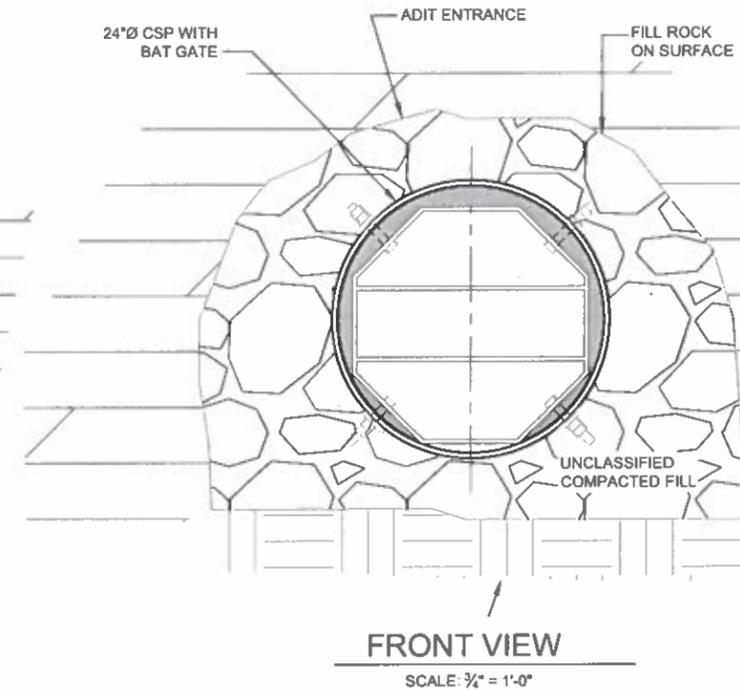
BAT GATE ASSEMBLY

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



PROFILE - CULVERT WITH BAT GATE

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

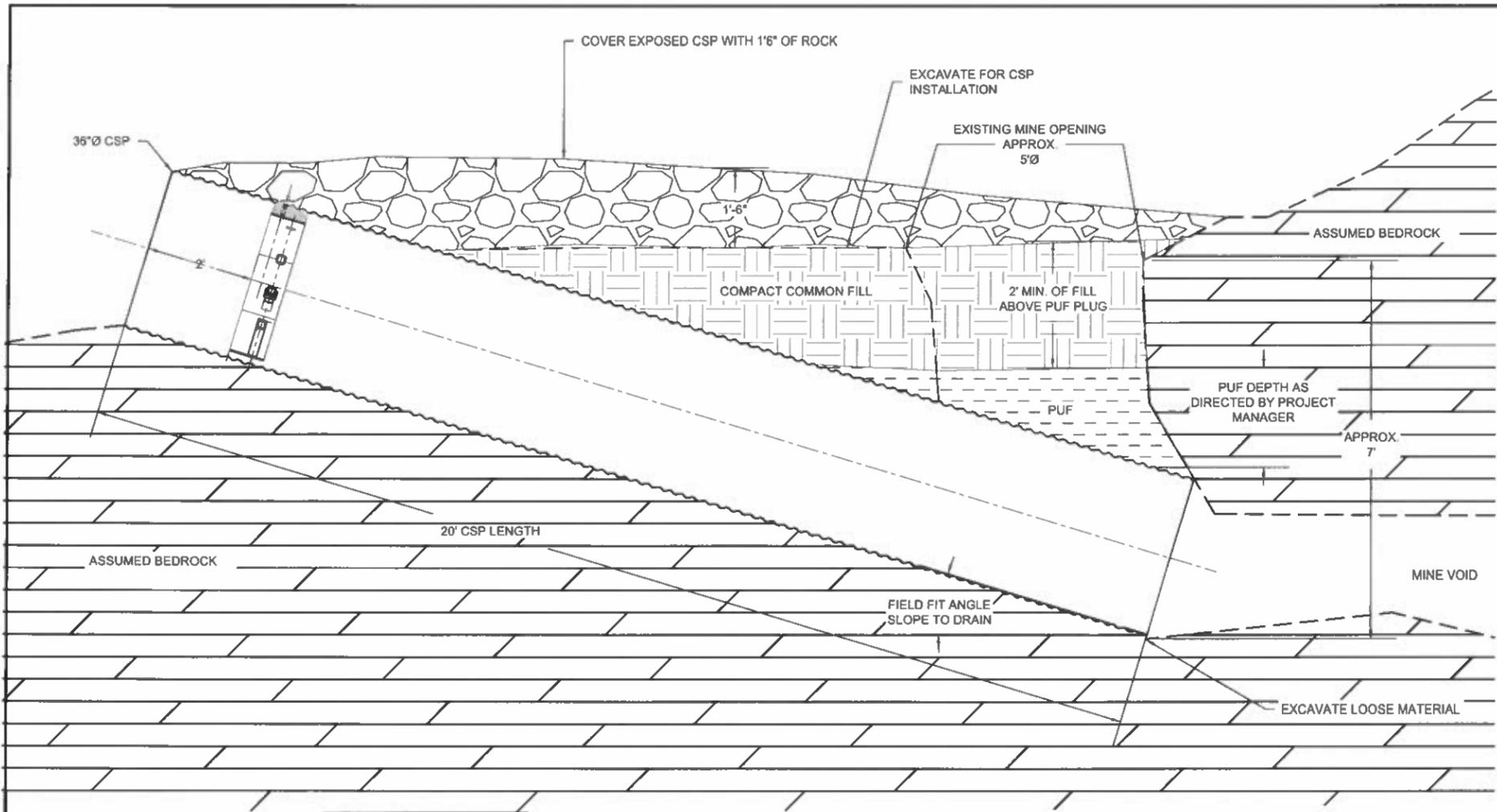


FRONT VIEW

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

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.

ABANDONED MINE LAND PROGRAM MINING AND MINERALS DIVISION NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT			
SCALE: AS SHOWN	LV 6 & LV 7	DRAWN BY: MWT	
DATE: 3/31/2025	CULVERT WITH BAT GATE		REVISED BY: DMC
FILE:	LA VENTANA MINE MAINTENANCE PROJECT	FIGURE: 3	

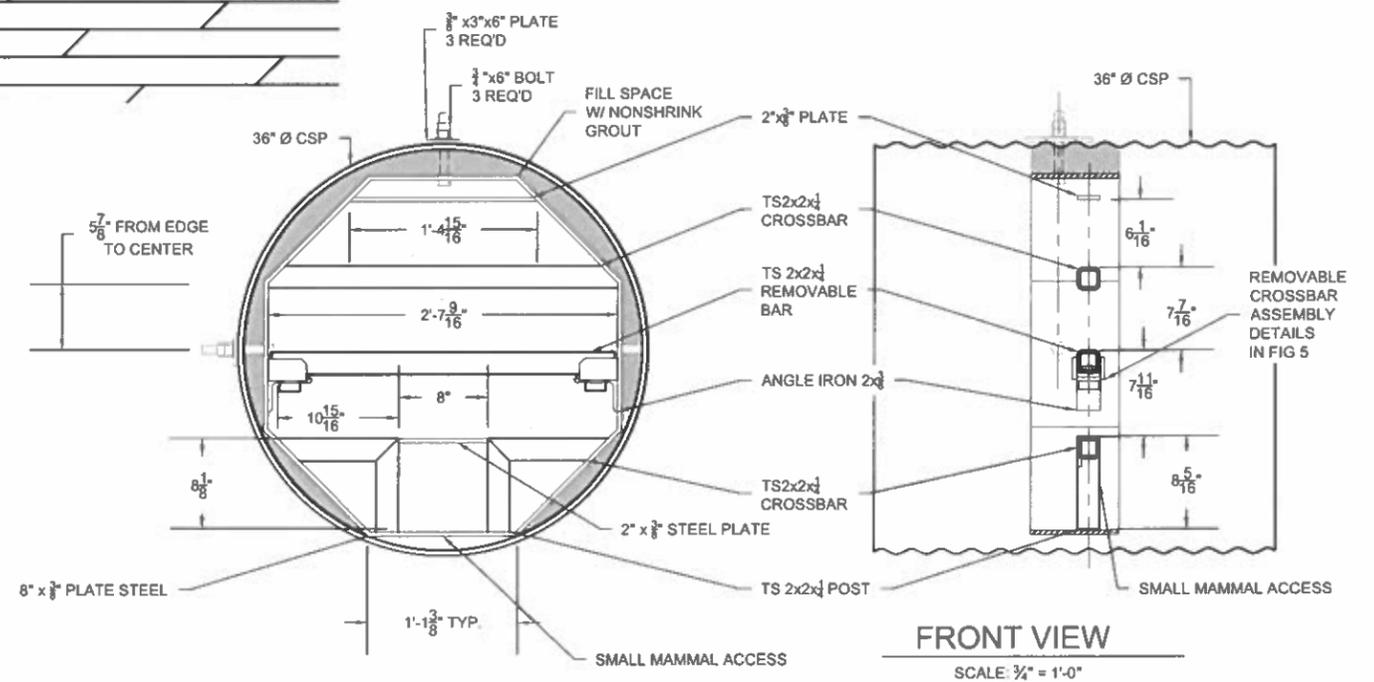


PROFILE - CULVERT WITH BAT GATE

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

GENERAL NOTES:

1. THE SHAPE AND DIMENSIONS SHOWN FOR THE EXISTING ADIT OPENING ARE APPROXIMATE. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION.
2. STEEL PLATES AND SHAPES SHALL BE WEATHERING STEEL. WELD ALL JOINTS. CONSTRUCT THE BAT GATE TO ELIMINATE SURFACES ON WHICH MOISTURE OR DEBRIS CAN BE TRAPPED. ALL TUBULAR MEMBERS SHALL BE HERMETICALLY SEALED TO PREVENT THE INCURSION OF MOISTURE, EXCEPT AS OTHERWISE NOTED. ROUND OR CHAMFER ALL EXPOSED SHARP CORNERS AND EDGES.
3. ROCK COVER SHALL BE SOUND DURABLE NATIVE ROCK, AS LARGE AS PRACTICABLE AND NO SMALLER THAN 6" IN LEAST DIMENSIONS. PLACE ROCK AS SHOWN AND ACROSS FULL WIDTH OF ADIT OPENING.
4. GROUT SHALL BE CONSTRUCTION GRADE.
5. DOUBLE-NUT ALL BOLTS.
6. VERIFY THAT THE OPENINGS OF THE CSP ARE NOT OBSTRUCTED BY FILL, ROCK OR PUF.
7. THE FINISH GRADE ON THE OUTSIDE OF THE CULVERT SHALL HAVE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE
8. SEED AND MULCH DISTUBED AREAS ACCORDING TO SPECIFICATIONS



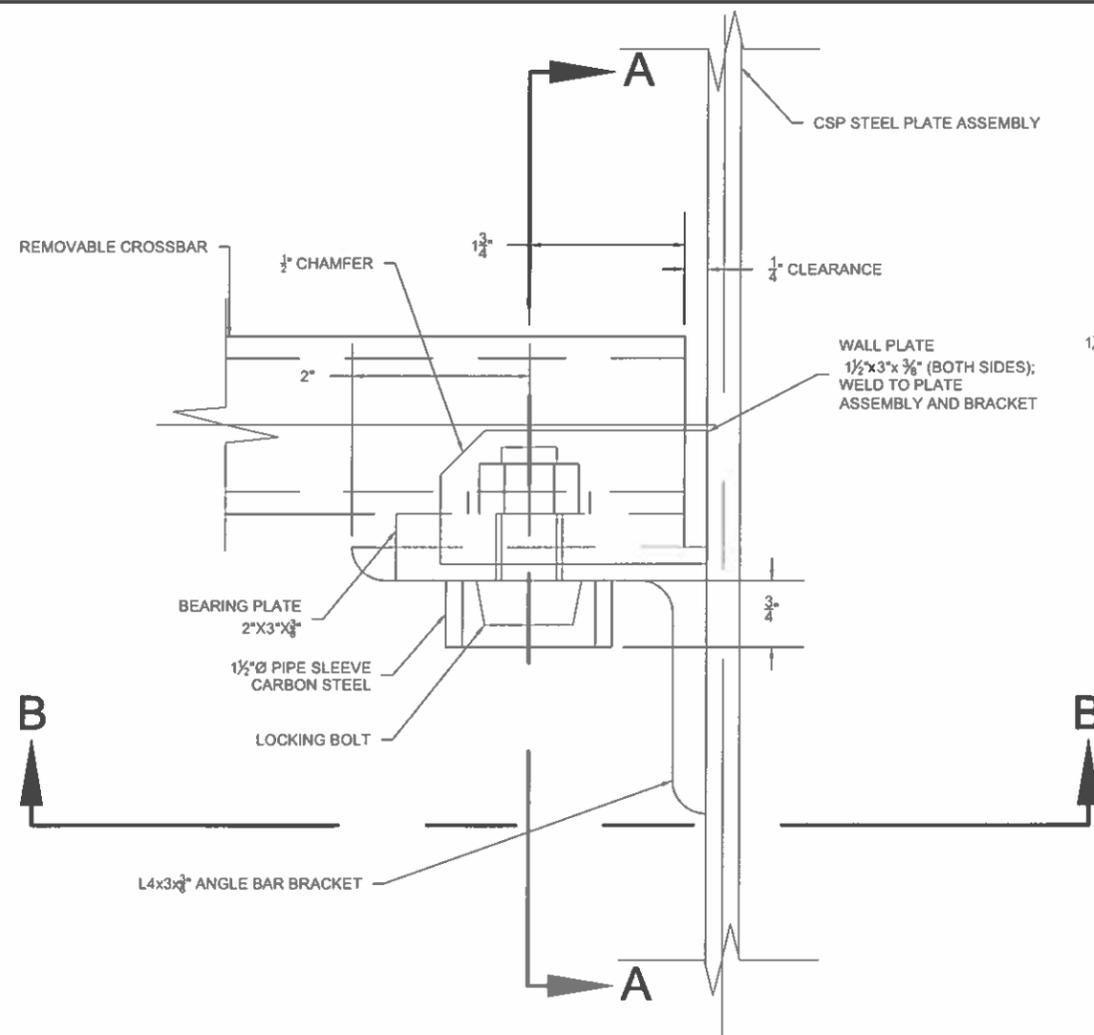
FRONT VIEW

SCALE: 3/4" = 1'-0"

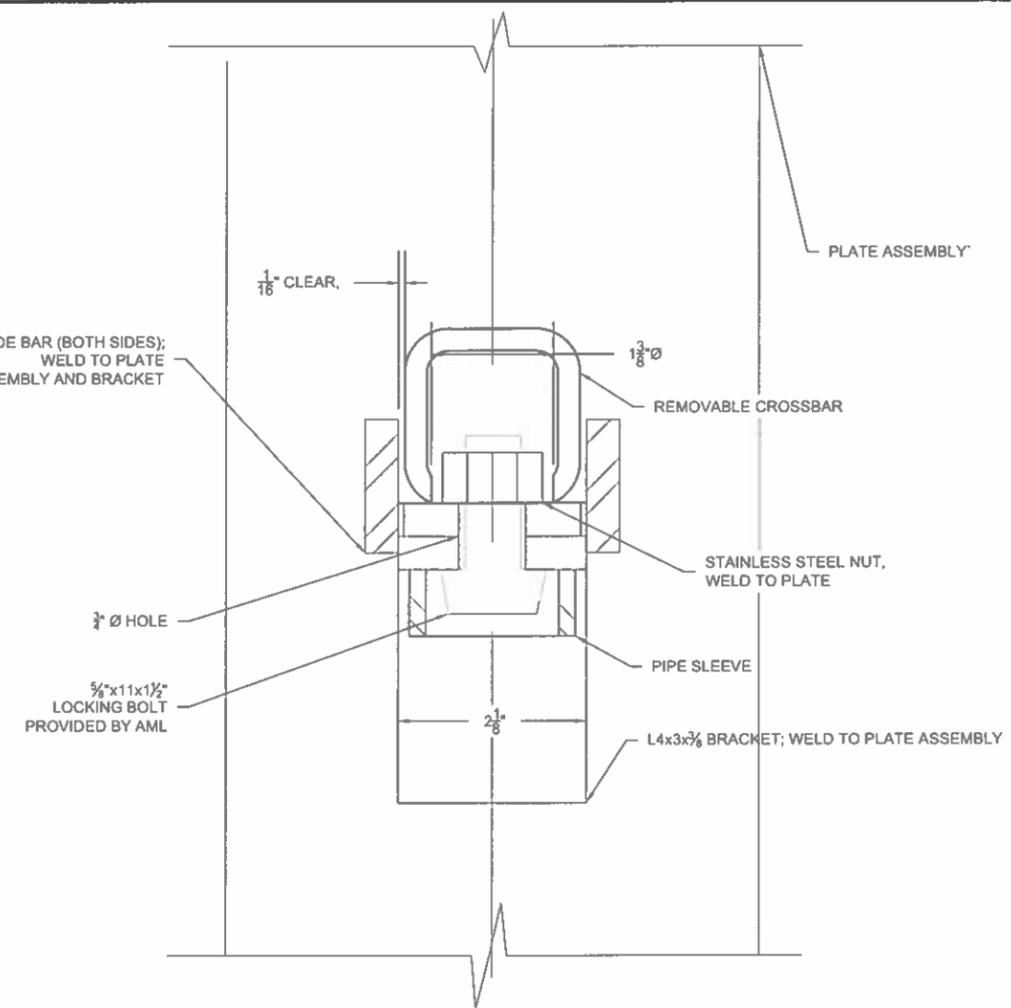


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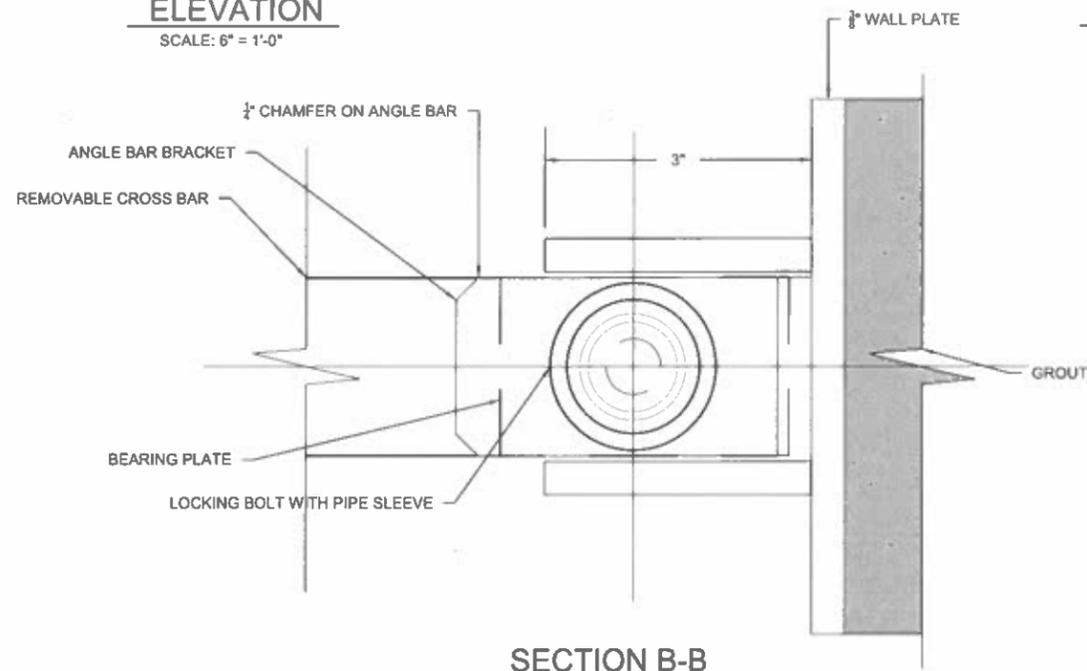
ABANDONED MINE LAND PROGRAM MINING AND MINERALS DIVISION NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT		
SCALE: AS SHOWN	BLACK ROSE MINE	DRAWN BY: MWY
DATE: 3/31/2025		REVISED BY: DMC
CULVERT WITH BAT GATE		
FILE:	LA VENTANA MINE MAINTENANCE PROJECT	FIGURE: 4



ELEVATION
SCALE: 6" = 1'-0"



SECTION A-A
SCALE: 6" = 1'-0"



SECTION B-B
SCALE: 6" = 1'-0"

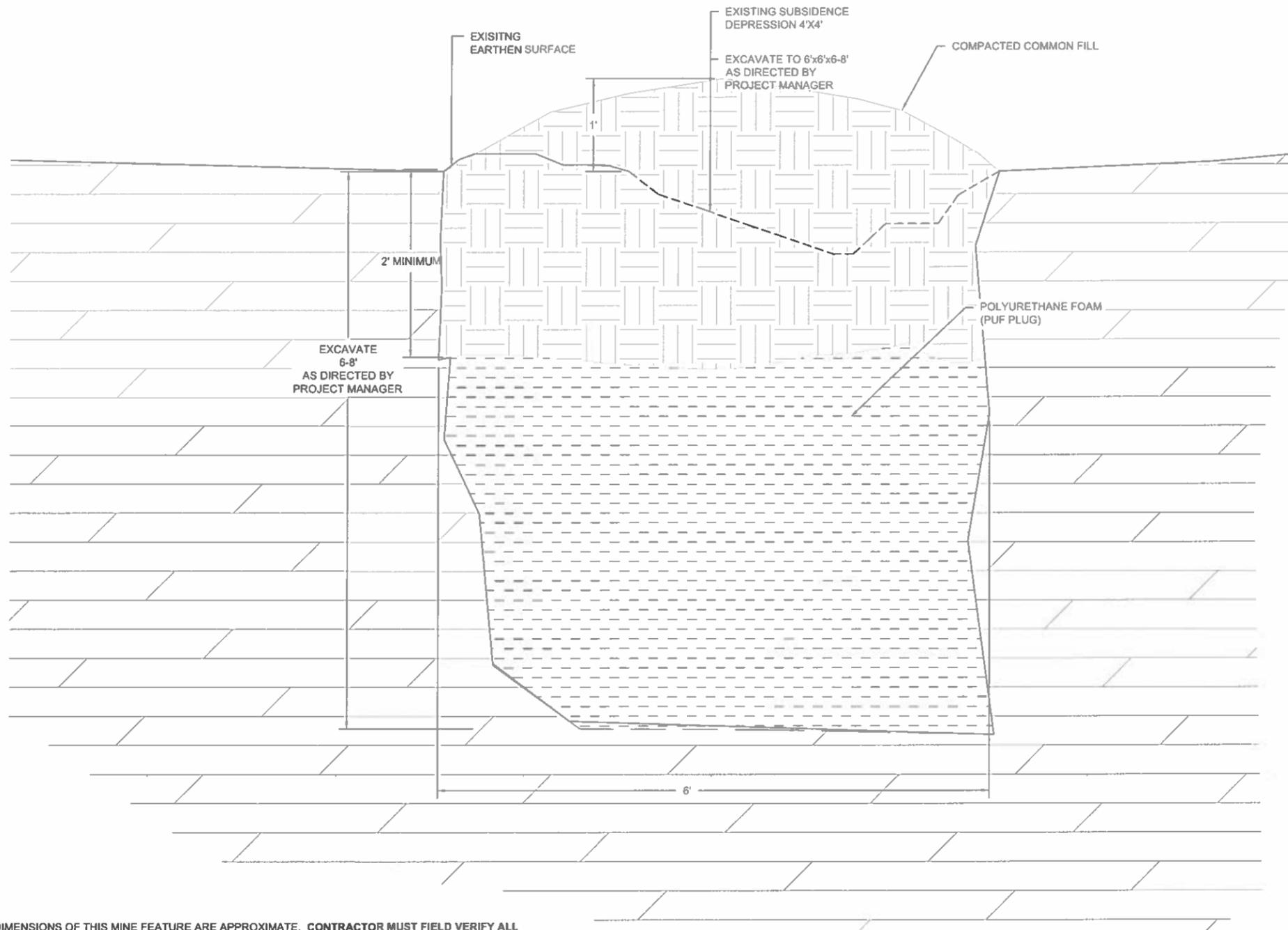
GENERAL NOTES:

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. THE CONTRACTOR SHALL PROVIDE THE NUTS (5/8" - 11 UNC CLASS 2A THREAD). THE PROJECT MANAGER WILL SUPPLY THE LOCKING BOLTS.
3. GREASE THE THREADS OF THE LOCKING BOLTS AND INSTALL FIRMLY WITH 50 TO 75 POUNDS OF TORQUE.

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 CONSTRUCTOR SHALL BE RESPONSIBLE FOR THOROUGHLY INVESTIGATING THE SITE CONDITIONS AND SCHEDULING EQUIPMENT, EQUIPMENT OPERATIONS, PERSONNEL AND SAFETY PROCEDURES TO PREVENT ACCIDENTS AND INJURIES.



ABANDONED MINE LAND PROGRAM MINING AND MINERALS DIVISION NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT			
SCALE: AS SHOWN	BLACK ROSE MINE	DRAWN BY: MWT	
DATE: 3/31/2025		REVISED BY: DMC	
REMOVEABLE CROSSBAR			
FILE:	LA VENTANA MINE MAINTENANCE PROJECT	FIGURE: 5	



SP 3 S1

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.

GENERAL NOTES:

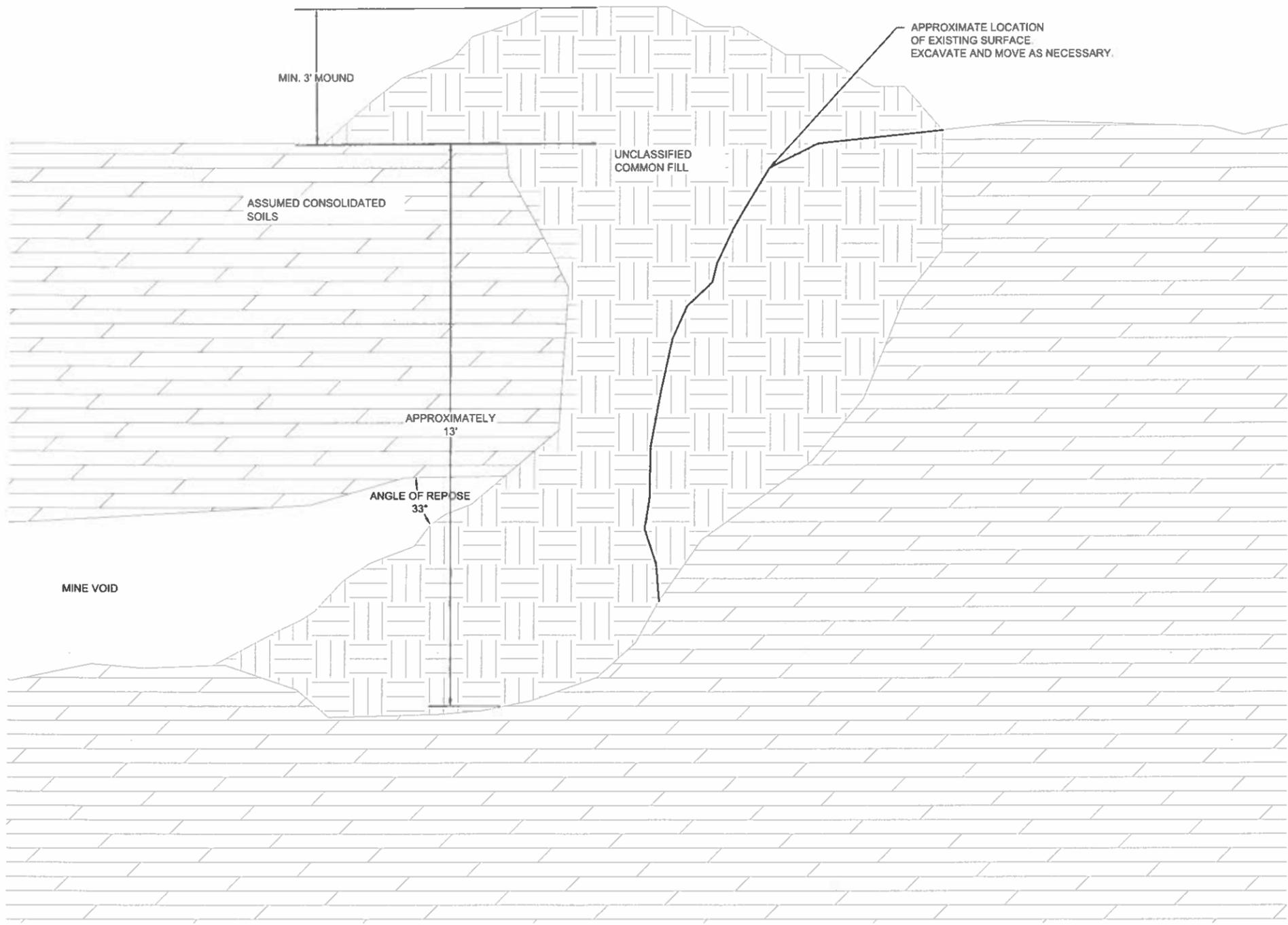
1. THE SHAPE AND DIMENSIONS OF THIS MINE FEATURE ARE APPROXIMATE. CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS BEFORE MATERIAL PURCHASE AND INSTALLATION.
2. THE FEATURE IS LOCATED WITHIN CONSOLIDATED SOILS WHICH MAY BE PRONE TO COLLAPSE. CONTRACTOR SHALL TAKE EXTREME CAUTION DURING CONSTRUCTION.
3. EXCAVATE 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. ALLOW PUF TO CURE ACCORDING TO SPECIFICATIONS.
5. BACKFILL WITH COMMON UNCLASSIFIED FILL
6. FILL SHALL BE MOISTURE CONDITIONED PRIOR TO PLACEMENT. BACKFILL IN 8" LOOSE LIFTS AND COMPACT 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.
7. SEED AND MULCH DISTUBED AREAS ACCORDING TO SPECIFICATIONS

SECTION

SCALE: 3/4" = 1'-0"



ABANDONED MINE LAND PROGRAM MINING AND MINERALS DIVISION NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT			
SCALE: AS SHOWN	SP 3 S1	DRAWN BY: DMC	
DATE: 3/31/2025		REVISED BY:	
PUF PLUG			
FILE: SP 3	LA VENTANA MINE MAINTENANCE PROJECT	FIGURE: 6	



- GENERAL NOTES**
1. THE SHAPE AND DIMENSIONS SHOWN FOR THE EXISTING ADIT ARE APPROXIMATE,
 2. THE FILL MATERIAL SHALL BE TAKEN FROM AN AREA DESIGNATED BY THE PROJECT MANAGER.
 3. THE FEATURE IS LOCATED WITHIN CONSOLIDATED SOILS WHICH MAY BE PRONE TO COLLAPSE. CONTRACTOR SHALL TAKE EXTREME CAUTION DURING CONSTRUCTION,
 4. EXCAVATE AND SAVE LOOSE SOIL AROUND OUTER RIM OF FEATURE. DO NOT REMOVE SLOUGH SOILS AT THE BOTTOM OF THE FEATURE.
 5. MOISTURE CONDITION BACKFILL MATERIAL AND BACKFILL IN 1' LIFTS.
 6. THE FINISH GRADE SHALL HAVE 3' MIN MOUND TO ALLOW FOR SETTLING
 7. SEED AND MULCH DISTURBED AREAS ACCORDING TO SPECIFICATIONS



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

ABANDONED MINE LAND PROGRAM			
MINING AND MINERALS DIVISION NEW MEXICO ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT			
SCALE: AS SHOWN	AML 2 PADILLA MINE	DRAWN BY: DMC	
DATE: 3/31/2025		REVISED BY:	
BACKFILL			
FILE:	LA VENTANA MINE MAINTENANCE PROJECT	FIGURE: 7	