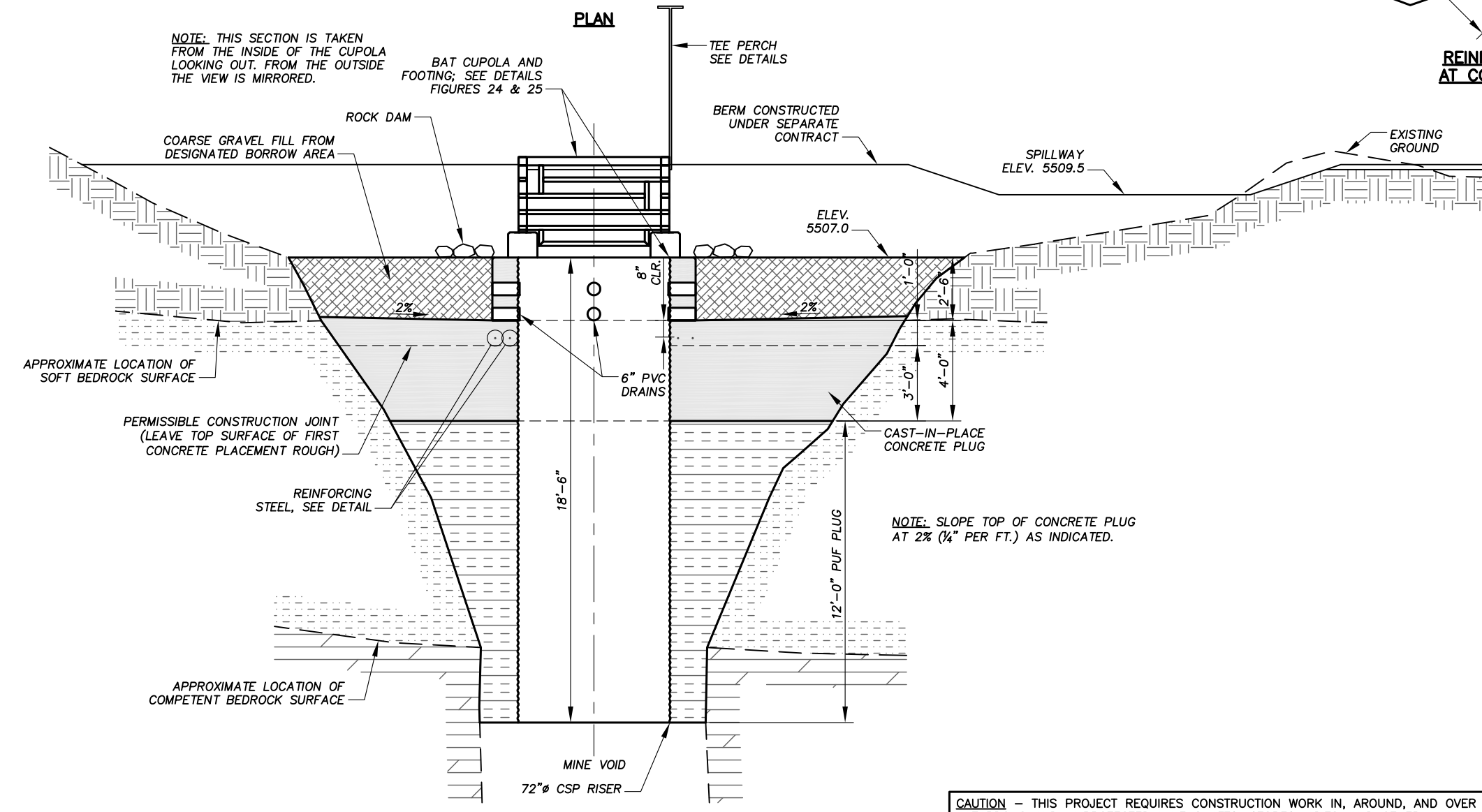


NOTE: THIS SECTION IS TAKEN FROM THE INSIDE OF THE CUPOLA LOOKING OUT. FROM THE OUTSIDE THE VIEW IS MIRRORED.

NOTE: TRIM REBAR AS NEEDED TO PROVIDE 3" MIN. CLEARANCE FROM SHAFT PROFILE

REINFORCING PLAN AT CONCRETE PLUG



GENERAL NOTES:

1. THIS DRAWING SHOWS THE GENERAL SHAPE AND APPROXIMATE SIZE OF THE MINE OPENING AND THE CORRESPONDING LAYOUTS OF THE BAT CUPOLA AND RISER PIPE. THE DRAWING SHALL BE USED AS A GUIDE FOR FIELD LAYOUT. DETERMINE THE ACTUAL LAYOUT AND DIMENSIONS OF THE CLOSURE IN THE FIELD PRIOR TO FABRICATION.
2. USING A COMPRESSED AIR LANCE OR EQUIVALENT, REMOVE DIRT AND LOOSE ROCK FROM ALL SURFACES AGAINST WHICH POLYURETHANE FOAM (PUF) AND CONCRETE WILL BE PLACED. PLACE PUF AGAINST CLEAN, DRY SURFACES. DAMPEN SURFACES AGAINST WHICH CONCRETE WILL BE PLACED.
3. STEEL PLATES, SHAPES AND BARS SHALL BE WEATHERING STEEL. WELD ALL JOINTS. CONSTRUCT THE CLOSURE FRAME ASSEMBLY TO ELIMINATE SURFACES ON WHICH MOISTURE OR DEBRIS CAN BE TRAPPED. PLIES OF MATERIAL SHALL BE TIGHT TO PREVENT THE INCURSION OF MOISTURE. 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.
4. CONSTRUCT A BAR TEE PERCH (NOT SHOWN IN ALL VIEWS). PERCH SHALL BE MADE FROM 1" Ø ROUND BAR WELDED TO ONE CORNER OF THE CUPOLA (FOR A MIN. 6" LENGTH) AND SHALL EXTEND 6' ABOVE THE TOP OF THE CUPOLA. WELD A 12" CROSSBAR AT THE TOP TO FORM A "T". BARS SHALL BE WEATHERING STEEL. IN ADDITION, WELD A 1" Ø BAR INSIDE THE CUPOLA TO ACT AS A PERCH ON ONE QUARTER OF THE MINE OPENING AS SHOWN IN THE PLAN VIEW.
5. THE INDICATED BEDROCK SURFACES ARE APPROXIMATE. BEDROCK SURFACES ARE EXPECTED TO BE ROUGH, IRREGULAR AND VARIABLE IN DEPTH.
6. REMOVE EXISTING TIMBERS WITHIN THE WORK AREAS INSIDE THE SHAFT.
7. MINIMIZE THE AMOUNT OF ROCK, TIMBER AND OTHER DEBRIS THAT FALLS INTO THE MINE OPENING DURING CONSTRUCTION.

NOTE: SLOPE TOP OF CONCRETE PLUG AT 2% (¼" PER FT.) AS INDICATED.

SECTION

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 HIS EQUIPMENT, EQUIPMENT OPERATIONS, PERSONNEL, AND SAFETY PROCEDURES TO PREVENT ACCIDENTS AND INJURIES.

ABANDONED MINE LAND PROGRAM MINING AND MINERALS DIVISION		
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT		
SCALE: 3/16" = 1'-0"	COLUMBIA LODE	DRAWN BY: JAK
DATE: JAN. 17, 2008		REVISED:
BAT CUPOLA/DRAIN AT FEATURE 049-087S SHAFT		
LAKE VALLEY MINE SAFEGUARD PROJECT - PH. IV		DRAWING NUMBER: FIGURE 23

049-087 SHAFT BAT CUPOLA.DWG PLOT SCALE 1 = 64