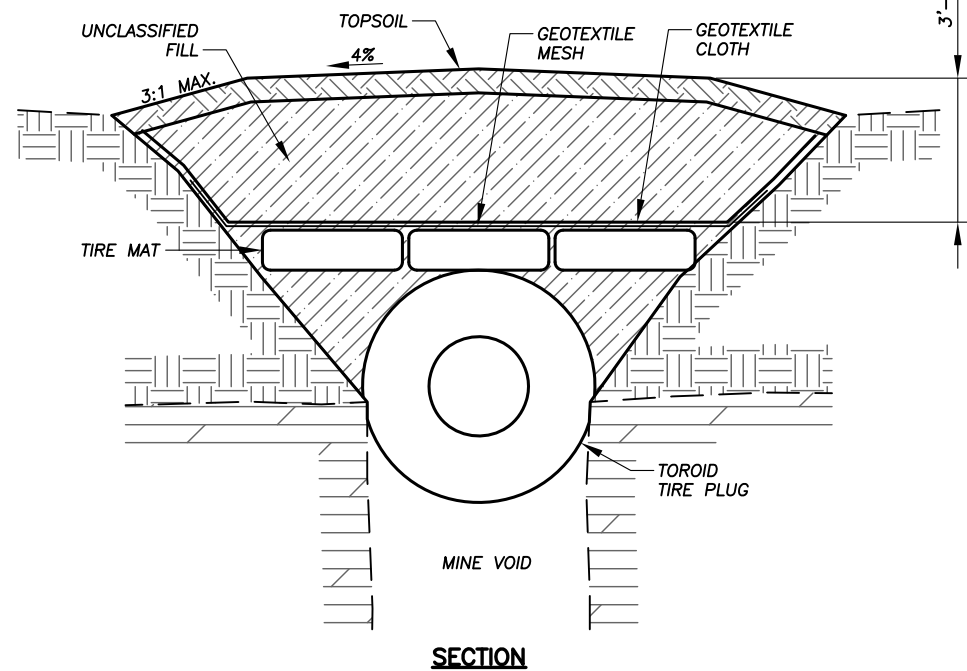
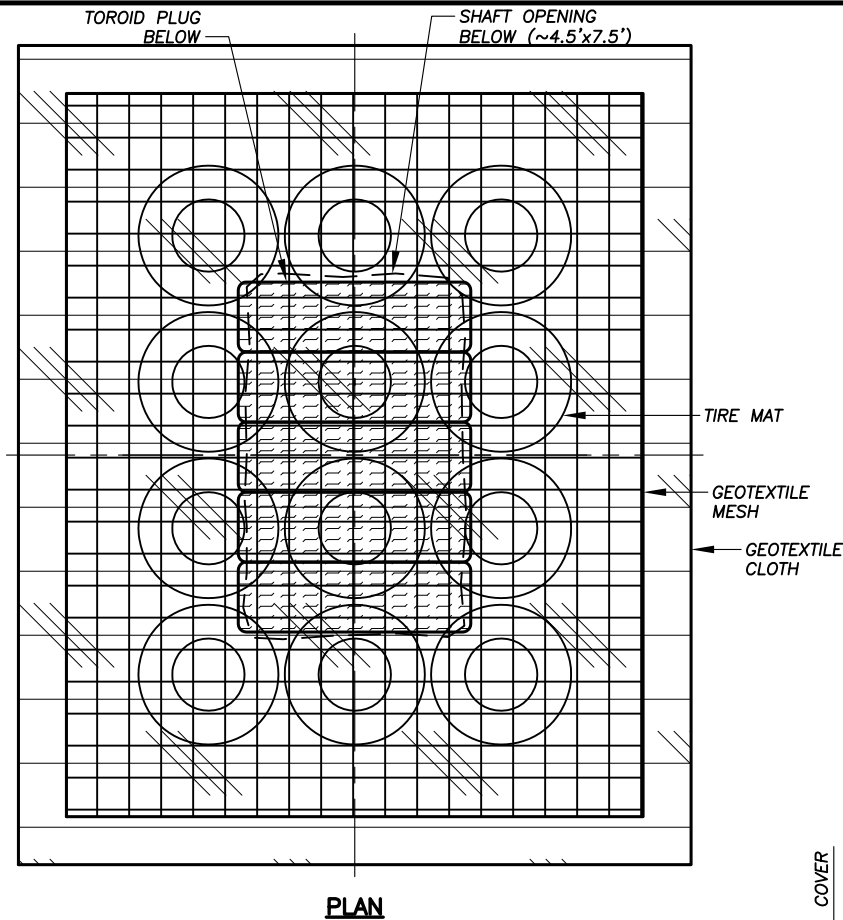
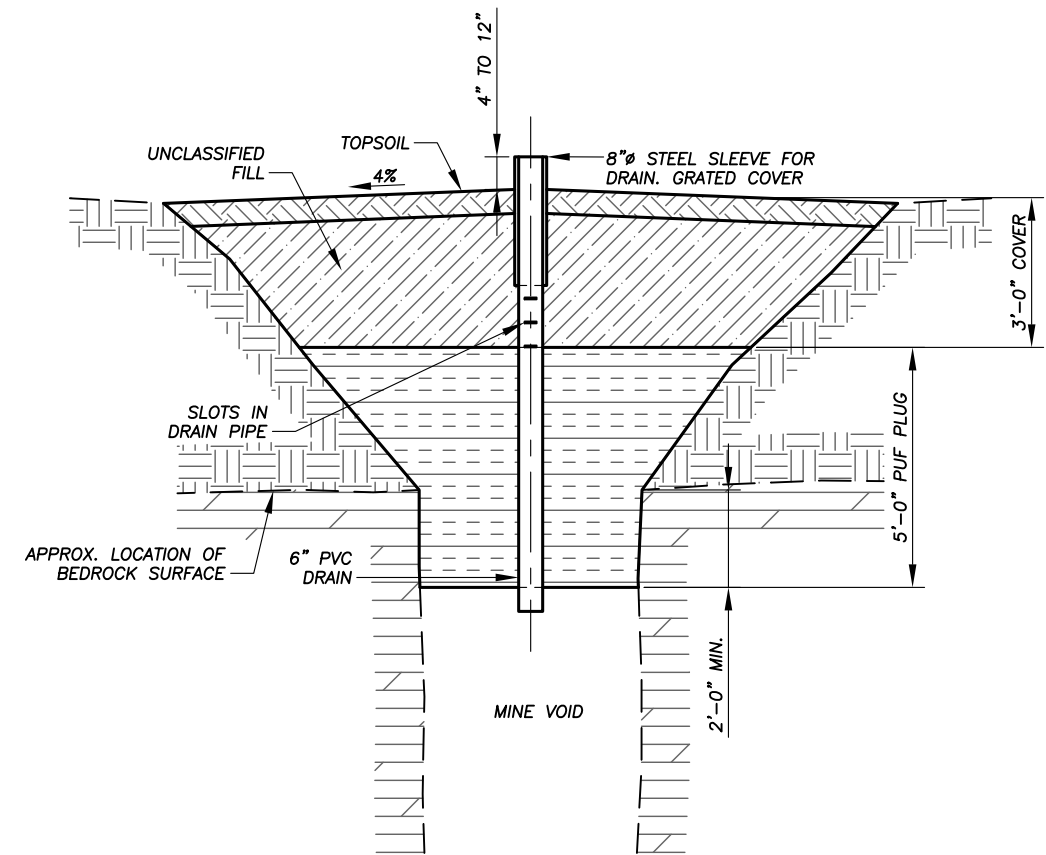


**PRELIMINARY LIST OF MATERIALS**

MEDIUM TOROID PLUG UNITS -- 5' DIA	5 UNITS
SMALL TOROID MAT UNITS	12 UNITS
5/16" GALVANIZED STEEL CABLE	300 FT.
5/16" CROSBY CABLE CLIPS	45 UNITS
GEOTEXTILE MESH	200 SQ FT
GEOTEXTILE NONWOVEN CLOTH	250 SQ FT



**FEATURE 053-060S SHAFT  
TOROID TIRE PLUG OPTION**



**FEATURE 053-060S SHAFT  
POLYURETHANE FOAM PLUG OPTION**

**GENERAL NOTES:**

1. AT THE CONTRACTOR'S OPTION, A TOROID TIRE PLUG OR POLYURETHANE FOAM (PUF) PLUG MAY BE CONSTRUCTED AT THIS SHAFT. NO SEPARATE PAYMENT FOR QUANTITIES OF PUF USED WILL BE MADE AT THIS SHAFT.
2. THIS DRAWING SHOWS THE GENERAL SHAPE AND APPROXIMATE SIZE OF THE MINE OPENING AND THE CORRESPONDING LAYOUTS OF THE TOROID PLUG AND PUF PLUG. THE DRAWING SHALL BE USED AS A GUIDE FOR FIELD LAYOUT. DETERMINE THE ACTUAL LAYOUT OF THE CLOSURE IN THE FIELD.
3. THE ARRANGEMENT OF TIRES IN THE TOROID TIRE PLUG MAY BE VARIED FROM THAT INDICATED TO FIT SITE CONDITIONS AND TIRE AVAILABILITY, AS LONG AS THE FUNCTIONALITY OF THE PLUG IS NOT COMPROMISED.
4. USING A COMPRESSED AIR LANCE OR EQUIVALENT, REMOVE DIRT AND LOOSE ROCK FROM ALL SURFACES AGAINST WHICH PUF WILL BE PLACED. PLACE PUF AGAINST CLEAN, DRY SURFACES.
5. SLOPE THE FINISH GRADE AT A MINIMUM OF 4% AND A MAXIMUM OF 3:1 TO DRAIN STORM WATER AWAY FROM THE PLUG INSTALLATION.
6. PRESERVE THE EXISTING MINE WASTE PILE. UNCLASSIFIED FILL AT THIS SHAFT MAY BE SCRAPPED OFF THE TOP OF THE WASTE PILE AND AS THE PROJECT MANAGER DIRECTS.

**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.

<b>ABANDONED MINE LAND PROGRAM MINING AND MINERALS DIVISION</b> ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT		
SCALE: 1/4" = 1'-0"	COMSTOCK LODGE	DRAWN BY: JAK
DATE: JAN. 17, 2008		REVISED:
<b>TOROID PLUG OR PUF PLUG AT FEATURE 053-060S SHAFT</b>		
LAKE VALLEY MINE SAFEGUARD PROJECT - PH. IV		DRAWING NUMBER: <b>FIGURE 33</b>