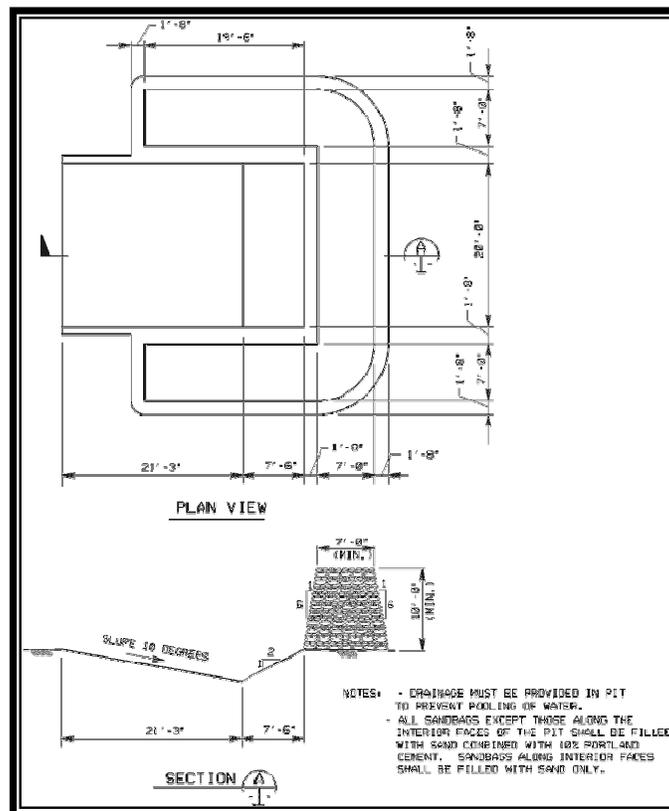


Misfire Pits

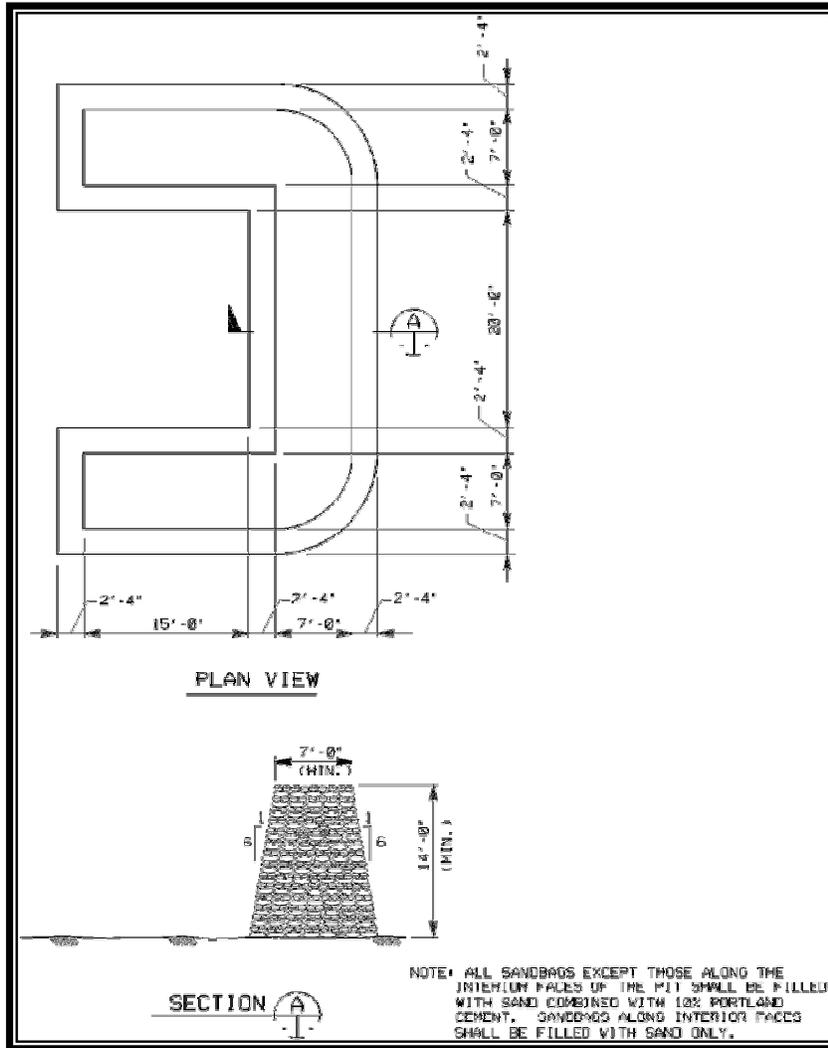
General: Misfire pits are only required when the Bradley Fight Vehicles (BFV) use the range. Ideally, misfire pits are placed at each defilade position, so that a misfired round can be removed during training exercises. Siting shall be coordinated with the help of the installation's range safety officer. The pit should be 1,200 to 1,800mm (4 to 6ft) in diameter, 600mm (2ft) deep, and surrounded by two rows of sandbags. See the following sketches.

Design: Misfire unloading positions will be designed to fully contain an accidental firing during removal of misfired ammunition. Two conceptual designs for the BFV are shown in the previous figures. The misfire unloading position designs will be based upon the following criteria:

1. Maximum pivot of 25-mm gun (from horizontal plane of vehicle) = 200 mils (or 11.25 degrees)
2. Projectile diameter = 25 mm
3. Projectile weight = 185.5 grams (0.409 lb)
4. Maximum projectile velocity = 1,539 m/s (5,050 fps)



BFV Misfire Position Option 1



BFV Misfire Position Option 2