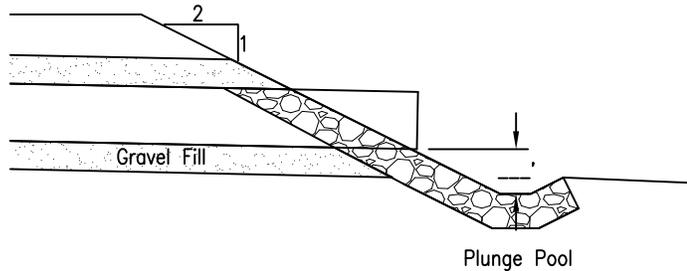
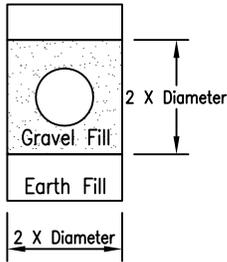


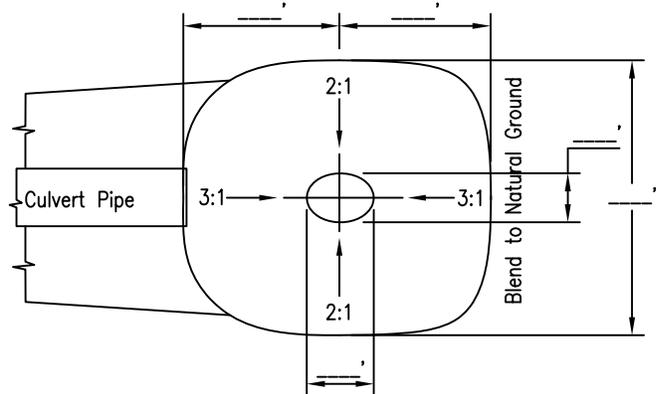
## Typical Pipe Outlet with Plunge Pool



Pipe Diameter: \_\_\_\_\_ inch  
 Pipe Type: \_\_\_\_\_  
 Pipe Slope at Outlet: \_\_\_\_\_%  
 Riprap D<sub>50</sub> Size: \_\_\_\_\_ inch  
 Riprap Thickness: \_\_\_\_\_ inch



Pipe Section



Plunge Pool Plan View

- Installation and backfill are very important.
  - Gravel base – loose but firm 2" max stone size
  - Tamp gravel under haunches of pipe. (may need to weight pipe to prevent uplift)
- Armor outlet with rock
- Place rock over nonwoven geotextile

Fill to be placed according to Construction Specification 432 Earthfill and Gravel Fill  
 Riprap to be installed according to Construction Specification 461 Rock Riprap.  
 Geotextile, if required, to be installed according to Construction Specification 495 Geotextile.  
 Seed and mulch any exposed soil according to Construction Specification 406 Seeding and Mulching

Job Class \_\_\_\_\_  
 Not to scale  
 Standard Design, must be adapted to specific site



Designed _____	Date _____	File Name _____
Drawn _____	Standard _____	Drawing Name _____
Checked _____	Date: Rev. 3/2008	ME-ENG-POPP
Approved _____		Sheet _____ of _____