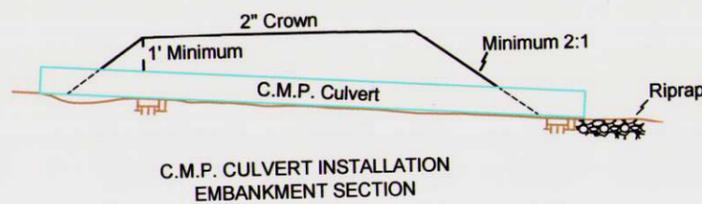
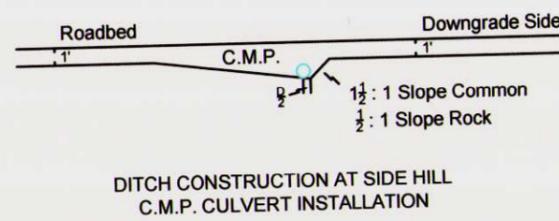
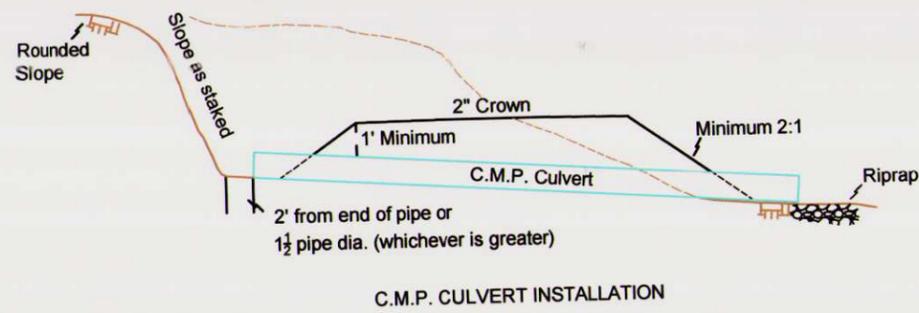


Figure MP-2
 Typical Culvert Construction

FROM: U.S. Department of the Interior, BLM
 U.S.G.S., Oil and Gas Surface Operating
 Standards for Oil and Gas Exploration and
 Development, 1978, page 23.

FROM: U.S. Department of the Interior, BLM &
 U.S.D.A., Surface Operating Standards and
 Guidelines for Oil and Gas Exploration and
 Development, 2007, page 34.



- General Notes:
1. In bedding of C.M.P. Culverts, if the foundation is rock, excavate to depth of 8 in. below culvert grade and replace with earth cushion.
 2. Minimum cover over culvert is one foot (1').
 3. Minimum culvert diameter is 18".
 4. Minimum culvert spacing:

(a) 1 - 2% grade	- 1000 feet minimum
(b) 2 - 4% grade	- 800 feet minimum
(c) 4 - 6% grade	- 600 feet minimum
(d) 6 - 8% grade	- 400 feet minimum
(e) 8 - 10% grade	- 250 feet minimum
 5. Maximum grade 10%.

