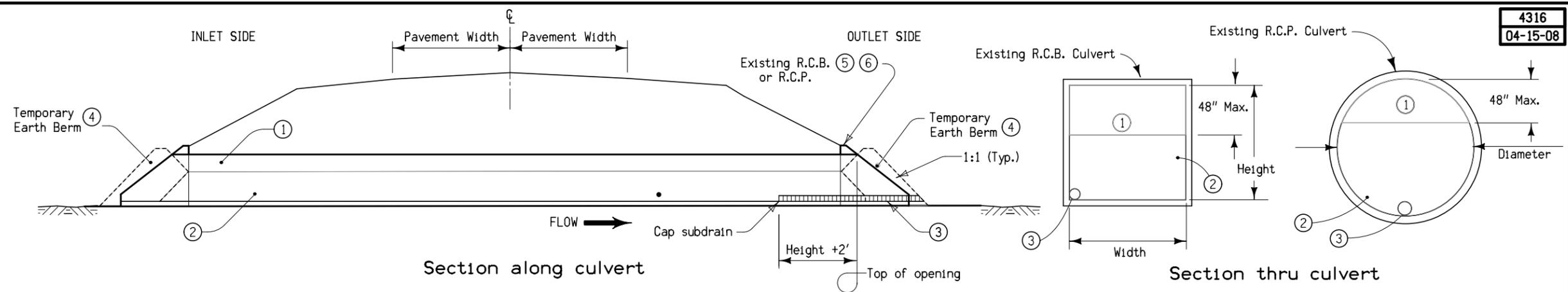
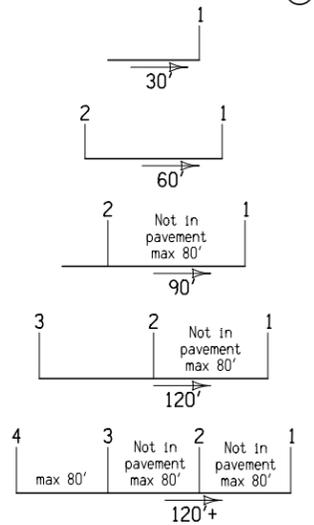


Required Injection Points ⑥



- ① Flowable Mortar, Minimum 2' thick.
- ② Granular Backfill.
- ③ 4" Subdrain at flowline elevation of culvert shall be extended into the culvert a distance of 2' plus the height of the culvert. Subdrain and granular backfill are incidental to flowable mortar.
- ④ Ends of culvert shall be plugged sufficiently to retain flowable mortar. Temporary earth berms are incidental to flowable mortar.
- ⑤ Removal of headwalls may be required.
- ⑥ Outlet shall be filled first. See injection point detail for more information.
- ⑦ Culvert may be considered a permit-required confined space, per OSHA 29 CFR.

DETAILS OF CULVERT ABANDONMENT WITH FLOWABLE MORTAR
(Rectangular structures at least 8' in both height and width. Circular structures 10' Dia. or larger)