CIP Bottomless Culvert: Pile Foundation/Footings on Rock

XS Sheet Numbers
XS17-051

Description of Component
The Cast-In-Place bottomless culverts with Piles/Footings on Rock are shown in the plan. It applies to two types of foundations: footing on rock and footing with piles. These underground structures with rock foundation or pile-footing can have earth cover with a range from 0 feet (top exposed to ground) to 20 feet (maximum). The spans range from 12 feet to 20 feet. The wall heights range from 6 feet to 15 feet.

Standard Drawing Features
There is one single plan sheet: Piles/Footings on Rock. It shows the reinforcement details for the walls and top slabs.

Design/General Notes

Additional Drawings Needed to Complete PS&E
District plans of highway drainage design

XS17-050-1: General Configurations, XS17-050-2: Walls, Slab and Pile Details and
XS17-050-3: Foundation Details

Contract Specifications
Standard Specification Sections 49, 51, 52, 90

Restrictions on Use of Standard Drawings

Special Considerations