

Section 12 – Earth Retaining Systems

Coring Existing Retaining Wall Stem

XS Sheet Numbers

XS12-100

Description of Component

Coring details for utility to pass through an existing retaining wall stem.

Standard Drawing Features

This single plan sheet details minimum horizontal and vertical clearance for the cored hole location in an Elevation View of an existing retaining wall. Additional details are shown in both a Plan View and Typical Section of an existing retaining wall.

Design/General Notes

No more than 1-rebar at the back side of the stem is allowed to be cut. It is important that the cored hole be normal to the retaining wall layout line (LOL) in order to prevent damaging more rebars.

Additional Drawings Needed to Complete PS&E

Bridge Pull Box and Vault details will need to be used together with this sheet.

Contract Specifications

59-2.01C(4)(b)(i) General for coating any exposed steel reinforcement ends after coring operation.

Restrictions on Use of Standard Drawings

The drawing is developed for Middle-Mile Broadband Network (MMBN) program. This sheet provides standard details for coring through the stem of existing reinforced concrete retaining wall only. The maximum cored hole diameter is 8-inches.

Special Considerations

Currently the details are tailored for passing conduit to house fiber optic lines but can also be modified to pass other utilities as long the core diameter of 8-inches is not exceeded. Consult with the Earth Retaining System Specialist for uses other than use for MMBN applications since the details and notes would need to be modified.