

Section 12 – Earth Retaining Systems

Vertical Ground Anchor Details No. 2

XS Sheet Number:

xs12-030-2

Description of Component

This sheet provides details for vertical ground anchors using 150 ksi high strength bar tendon.

Standard Drawing Features

The sheet includes details of corrosion protection of a ground anchor, levels of anchor grouting, and maximum stress allowed in anchor testing. It directs the user to specify the unbonded length in other project plan sheets.

Design/General Notes

This sheet conforms to AASHTO LRFD Bridge Design Specifications (8th Edition) with California Amendments, STP 10.10 and BDM 10.10. P_{TL} is the test load per tendon.

Additional Drawings Needed to Complete PS&E

This sheet must be used with other contract plan sheets, which include ground anchor layout, cross-section area of the tendons, unbonded lengths, lock-off loads, and P_{TL} .

Contract Specifications

Standard Specifications section 46 and corresponding Standard Special Provisions regarding ground anchors are applicable.

Restrictions on Use of Standard Drawings

None.

Special Considerations

None.