

DETAIL OF REINFORCED CONCRETE PRECAST PILE

REINFORCED CONCRETE PILING

Piling Note: Vertical Bars in Piling - For lengths less than 35' use 4 #8 bars. For lengths 35' to 39' use 8 #7 bars. For lengths 40' or over use 8 #8 bars. In piles requiring 8 vertical bars, the 4 side bars shall be 5' shorter than the 4 corner bars.

Materials, driving equipment, construction methods, methods of measurement, and basis of payment shall conform to the plans and Section 514 of the Specifications.

When piling cast as determined by test piles are of such lengths as to cause an increase in the weight of steel used per linear foot of pile over that required in the piles shown on the plans, such increased weight will be measured and paid for, as provided by Section 511, at the contract unit price bid for other reinforcing steel used in the structure.

Variable - See General Elevation

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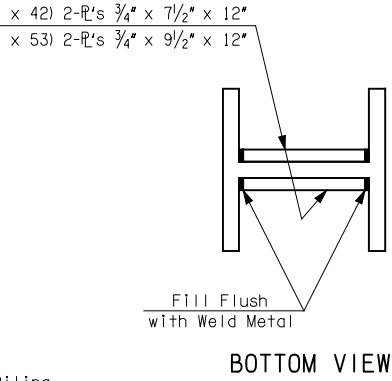
5'-0"

DETAIL OF H-BEAM BEARING PILE



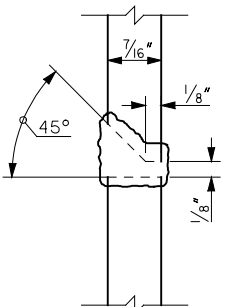
Contractor may use manufactured driving tips as an alternate to tip reinforcing shown on approval of the Bridge Engineer. All cost of Pile Tips shall be included in the price bid per linear foot of Steel Piling.

All steel piling shall have reinforcing tips unless specifically deleted by notes in the project plans and specifications.

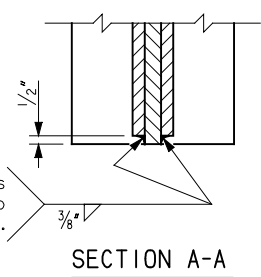


BOTTOM VIEW

DETAIL OF CROSS SECTION



DETAIL OF WELDED SPLICE
(SECTION THRU FLANGE & WEB)



SECTION A-A

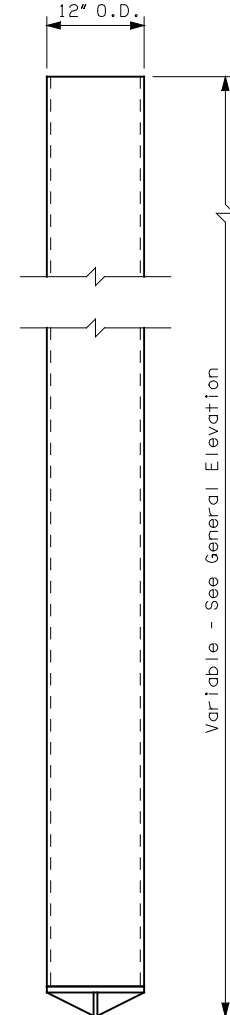
STEEL PILING

All construction and materials shall be in accordance with the Current Oklahoma Standard Specifications for Highway Construction.

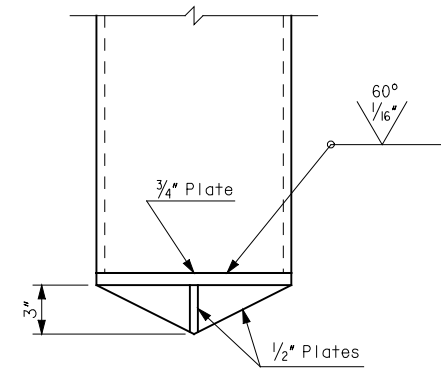
When test piles are called for on the plans, they shall be of the same type as used by the contractor for the remainder of the permanent piles of each pier or abutment location.

Causes for Rejection:

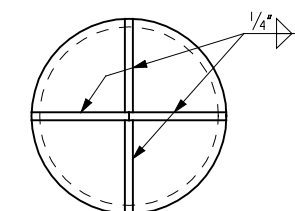
Any damage to pile or presence of water in pile after driving or other causes of rejection as given in the specifications shall be causes for rejection of the pile.



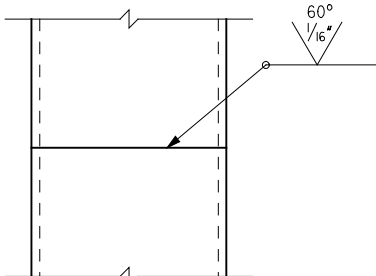
ELEVATION



PILE TIP DETAIL



PILE SPLICE DETAIL



Steel shell cast in place piling shall be 12" O.D. uniform section circular pipe pile with a minimum wall thickness of 0.172". Steel materials shall conform to the requirements of A.S.T.M. Specification A-252 Grade 2.

Each steel pile shall have steel pile tip welded in place before driving.

The pipe piling shall be inspected by mirror after driving and any damage corrected before being filled with concrete.

After the steel piles are driven and inspected they shall be filled with Class "AA" Concrete before pier footings or Abutment top is poured.

Concrete in piling shall be vibrated.

CAST IN PLACE FOUNDATION PILING

APPROVED BY BRIDGE ENGINEER: DATE:

OKLAHOMA DEPT. OF TRANSPORTATION
COUNTY BRIDGE STANDARD (ENGLISH)
STANDARD
PILING DETAILS