

701-B-202 PILE ALIGNMENT

(Adopted 11-16-12)

The Standard Specifications are revised as follows:

SECTION 701, BEGIN LINE 699, DELETE AND INSERT AS FOLLOWS:

(b) Location and Alignment Tolerance

A maximum deviation of 1 1/2 in. (~~38 mm~~) in any direction from the plan position will be permissible in pile trestle bents and exposed pile bents. A maximum deviation of 6 in. (~~150 mm~~) in any direction will be permitted for a foundation pile in footings for piers or abutments. The tendency of concrete or steel piles to twist or rotate shall be prevented and corrected. Piles to be swaybraced shall be aligned as necessary so that the swaybracing may be properly welded to the piles by a welder qualified in accordance with 711.32. No pile shall be closer than 4 in. (~~100 mm~~) from an edge of the pile cap. Pulling *or pushing* laterally on installed piles to correct misalignment, or splicing a properly aligned section on a misaligned section shall not be done ~~unless approved by the Engineer~~. The pile head at cutoff elevation shall be within 2 in. (~~50 mm~~) of plan elevation for bent caps supported by piles.

Piles driven at integral end bents shall be installed so that the axial alignment of the top 10 ft (~~3 m~~) of the pile is within 2% of the specified alignment.

Battered piles shall be installed so that the alignment of the top 10 ft (~~3 m~~) of the pile does not vary by more than 3% from the batter rate shown in the plans.

If the location or alignment tolerances are exceeded, the extent of overloading shall be investigated. If the Engineer determines that corrective measures are necessary, such corrective measures shall be designed and constructed by the Contractor. Proposed corrective measures will be subject to approval by the Engineer.
