

ITEM 11551.1001 M - STEEL PIPE PILES

DESCRIPTION

Under this item the Contractor shall furnish and install steel pipe piles as shown on the Plans. All aspects of the work shall be in conformance with Standard Specification Section 551 *PILES AND PILE DRIVING EQUIPMENT* except as follows:

MATERIALS

1. Pipe piles designated PP325x13 shall be straight steel cylindrical shell conforming to ASTM A252, Grade 2.
2. Pipe piles designated PP760x19 shall be straight steel cylindrical shell conforming to American Petroleum Institute Specification API 5L X42 (290 MPa minimum yield), or API 5L X50 (345 MPa minimum yield).
3. Pile shoes shall be approved internal-type.
4. Coating shall conform to the material and application requirements of Item 11572.0101M Coating of Structural Steel.
5. Cap plates shall conform to ASTM A36.

CONSTRUCTION DETAILS

1. All pipe piles shall be fitted with shoes welded to the piles.
2. Apply coating to the outer surface of each pipe pile and cap plate. The outer surface of the piles, from the in-place tip to a distance of four (4) meters from the tip, need not be coated.
3. Dynamic pile tests are not required.
4. Pipe piles shall be driven to the indicated tip elevations.
5. All pipe piles after installation shall have a steel cap welded to the top as shown on the Plans.

METHOD OF MEASUREMENT

Lump Sum.

BASIS OF PAYMENT

The Lump Sum Price Bid shall include the cost of all labor, materials and equipment necessary for:

1. Transporting, erecting, maintaining, dismantling and removing pile driving equipment.

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2. Furnishing coated pipe piles, complete with pile shoes and cap plates, and installing same in accordance with the Plans.