

### 301 H PILES-THRUST BLOCK

#### 301.01 DESCRIPTION

[Refer to DC WASA Section 2351]

Work includes furnishing all labor, materials, tools and equipment needed to install a complete thrust block foundation pile system as shown in the contract documents.

All piles shall be installed by a Contractor qualified to install H piles. Minimum requirements for qualification shall consist of five years pile driving experience and evidence of a satisfactory completion of at least five pile installations comparable to this project in scope and subsurface conditions.

Related Work specified elsewhere may include but is not limited to:

[207](#): Trench Excavation and Backfill.

[317](#): Sewer/Water PCC Formwork Construction

[318](#): Reinforcing Steel – Sewer/water Work

[320](#): Sewer/Water PCC Construction

Reference Codes and Specifications:

- (1) ASTM A36: Specification for Structural Steel.
- (2) AASHTO M31: Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement.
- (3) AWS D1-1: Structural Welding Code.

Sufficiently in advance of the start of pile driving, the Contractor shall submit to the Chief Engineer for review a description of equipment and any necessary existing structures monitoring schedules.

Prior to driving any pile, the Contractor shall submit written certification from the manufacturer that piles meet specification requirements. Certified mill test reports shall also be submitted.

#### 301.02 SUBMITTALS

Shop drawings showing pile layout details and pile splice details shall be submitted per [105.02](#). Pile hammer manufacturer's details and recommendations shall be submitted with shop drawings.

#### 301.03 MATERIALS

Steel H Piles-[816.02](#)

Cap Plates-[816.02](#)

Reinforcing Steel, Grade 60 – [812.02](#)

**301.04 CONSTRUCTION REQUIREMENTS**

Requirements of [701.03 through 701.06](#) apply for this work.

**301.05 MEASURE AND PAYMENT**

The unit of measure for Steel H Piles will be the linear foot.

The number of feet measured will be the actual number of linear feet left in the completed structure of piles acceptably driven as measured along the axis of the pile from the tip of the pile to the approved cutoff elevation. No measurement will be made for cutoffs, broken piles or piles driven out of position.

Payment for Steel H Piles will be made at the Contract unit price per linear foot for size specified, which payment will include temporary and permanent pile splices and welding, all labor, materials, tools, equipment and incidentals needed to furnish and drive piles complete in place.