

## SECTION 512 STEEL SHEET PILING

### 512.1 Description

- (1) This section describes furnishing permanent and temporary steel sheet piling.

### 512.2 Materials

#### 512.2.1 Permanent Steel Sheet Piling

- (1) Furnish permanent sheet piling conforming to ASTM A 328 and with the section modulus, the plans or special provisions specify.
- (2) Unless specified otherwise, do not furnish previously used material under the Piling Steel Sheet Permanent bid items.
- (3) Unless the engineer directs otherwise, the contractor shall submit before or at delivery of steel sheet piling the certified report of test or analysis as specified for mill inspection and tests in 506.3.21.

#### 512.2.2 Temporary Steel Sheet Piling

- (1) Furnish temporary steel sheet piling with a section modulus equal to or greater than the plans show. The contractor may employ previously used steel sheet piling in good condition instead of new material. Remove and dispose of temporary sheet piling when no longer needed.

### 512.3 Construction

#### 512.3.1 Driving and Cutting Off

- (1) If possible, drive and cut off the steel sheet piling as specified in section 511.

#### 512.3.2 Wales

- (1) Brace the steel sheet piling with waling strips as the plans show. Preferably, make the wales one length between corners and bolt to the piles.

#### 512.3.3 Painting

- (1) Paint permanent steel sheet piling as specified for painting steel piling in 511.3.5.

### 512.4 Measurement

- (1) The department will measure Piling Steel Sheet Permanent Delivered by the square foot acceptably completed. The department will obtain the measured quantity by multiplying the length of the wall the plans show by the length of sheeting required.
- (2) The department will measure Piling Steel Sheet Permanent Driven by the square foot acceptably completed. The department will measure the area of the wall from the sheet pile tip elevation to the top cutoff. The department will make no allowance for overlap of the piles.
- (3) The department will measure Piling Steel Sheet Temporary by the square foot acceptably completed. The department will measure the area of the wall from the sheet pile tip elevation to the retained grade elevation and add an additional one foot (300 mm) height of wall above the retained grade. The department will make no allowance for overlap of the piles.

### 512.5 Payment

- (1) The department will pay for measured quantities at the contract unit price under the following bid items:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
512.0500	Piling Steel Sheet Permanent Delivered	SF
512.0600	Piling Steel Sheet Permanent Driven	SF
512.1000	Piling Steel Sheet Temporary	SF

- (2) Payment for Piling Steel Sheet Permanent Delivered is full compensation for providing and delivering acceptable piling for this work.
- (3) Payment for Piling Steel Sheet Permanent Driven is full compensation for driving, cutting off, disposing of cutoffs, and painting if required.
- (4) Payment for Piling Steel Sheet Temporary is full compensation for providing, driving, and removing.