Piling Sleeves, Item SPV.0090.xx.

**A Description**

This special provision describes furnishing and installing a corrugated steel piling sleeve or pile wrap in the reinforced earth zone of mechanically stabilized earth (MSE) retaining walls and other locations shown on the plans. Perform work conforming to pertinent sections of standard spec 520 and 521.

**B Materials**

**B.1 Pipe Sleeves**

The piling sleeve shall meet the requirements of standard spec 521.2 for corrugated steel pipe.

**B.2 Pile Wrap**

As an alternative to pipe sleeves and if accepted by the engineer, provide a pile wrap that completely encases the perimeter of the pile and separates the pile from the surrounding soil. The provided pile wrap product shall be specifically intended to reduce or eliminate down drag loads on driven piles. Submit proposed pile wrap product data sheets and installation requirements to the engineer for acceptance.

**C Construction**

Set the piling sleeve within 1 inch of the required position indicated on the plans prior to placing the reinforced earth. Brace sleeve to maintain position within 2 inches of required position as backfilling proceeds. Place soil reinforcing mats around sleeve.

If using pile wrap in lieu of pipe sleeves, install the pile wrap on the top portion of the piles that will be in the MSE soil reinforced zone or other limits shown on the plans prior placing the reinforced earth backfill around the piles. Install the pile wrap and place backfill around the wrapped pile per the pile wrap manufacturer’s installation requirements and recommendations.

Correct any damage that would hinder the installation of the pile prior to placing any additional reinforced earth.

After completion of pile installation inside a piling sleeve, backfill the void space around the pile within the sleeve with sand or other approved materials.

**D Measurement**

The department will measure Piling Sleeves by the linear foot acceptably completed.

**E Payment**

The department will pay for measured quantities at the contract unit price under the following bid item:

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| --- | --- | --- |
| ITEM NUMBER | DESCRIPTION | UNIT |
| SPV.0090.xx | Piling Sleeves | LF |

Payment for Piling Sleeves is full compensation for furnishing and installing the piling sleeve or pile wrap; and for furnishing and placing backfill inside the sleeve after pile installation.