Concrete Masonry Soldier Pile Footings, Item SPV.0035.xx.

**A Description**

This special provision describes furnishing and placing concrete into predrilled holes for soldier piles and installing soldier piles.

**B Materials**

Provide and use grade A concrete masonry for Concrete Masonry Soldier Pile Footings conforming to standard spec 501. Perform QMP testing conforming to standard spec 716 for Class II Ancillary Concrete for all concrete masonry for Concrete Masonry Soldier Pile Footings.

**C Construction**

Before placing concrete masonry, give the engineer sufficient notice to allow inspection of the predrilled holes, soldier piles, and casting preparations. For concrete masonry solider pile footings constructed without the use of slurry, no more than 3 inches of standing water is permitted in the bottom of the drilled hole prior to beginning solider pile installation and immediately prior to placing concrete masonry in the hole around the solider pile. If necessary, place up to 2 feet of concrete at the bottom of the hole to assist in aligning the soldier pile. Block or clamp the soldier pile in place at the ground surface before placing concrete.

For holes drilled or excavated without slurry, the department will allow the contractor to place concrete by free-falling the concrete from the ground surface down the shaft around the soldier pile. If temporary casing is used, begin placement of the concrete before removing the casing. Remove the casing while the concrete remains workable. For holes drilled or excavated using slurry, place concrete using a tremie method from the bottom of the shaft. Withdraw the tremie pipe slowly as the level of concrete rises in the shaft and never let the level of the tremie pipe outlet exceed the height of the slurry.

**D Measurement**

The department will measure Concrete Masonry Soldier Pile Footings by the cubic yard acceptably completed. The department will only include material within the limits and in the locations the plans show.

**E Payment**

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

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| --- | --- | --- |
| ITEM NUMBER | DESCRIPTION | UNIT |
| SPV.0035.xx | Concrete Masonry Soldier Pile Footings | CY |

Payment for Concrete Masonry Soldier Pile Footings is full compensation for furnishing all materials, pumping, placing, QMP testing, finishing, curing, and protecting installation of soldier piles. (20211104)