

ITEM 0360101

CONCRETE UTILITY COVER COLLAR

DESCRIPTION

This item shall include all materials required to construct square concrete collars around circular utility covers.

REFERENCED ITEMS

Item 0103703

REQUIRED SUBMITTALS

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for concrete in accordance with the contract general requirements.

MATERIALS

All materials and construction methods shall be as specified below:

Foundation

All foundation material under concrete collar shall be processed traprock conforming to Item 0103703.

Concrete

All materials for this work shall conform to the requirements of Section M.03 of the State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, 2004, for Class "F" concrete.

Test for air content of fresh concrete shall be made during construction. Because of the effects of mixing and vibration, samples for air content preferably should be taken from concrete after it has been placed by qualified technicians per ASTM C-173-01.

The concrete producer will be required to show that his plant and equipment meet all requirements as established by ASTM C-94-04, and shall also be currently approved by the State of Connecticut, Department of Transportation.

All concrete mix used must be accompanied by a certification issued by the concrete producer showing the time of day on the batch slip and the composition of the concrete mix; that is the amount of type of cement; the quantity and gradation of the coarse and fine aggregates, amount of water, kind of air-entraining admixture and the retarder admixture if any; and also a certification that the mix will attain the minimum compressive strength of 4000 psi in 28 days.

Any concrete mix without the time of day stamped on the accompanying batch slip will be rejected immediately. Also the concrete mix must be placed within 1 1/2 hours of the time of day stamped on the batch slip, otherwise it will be rejected.

Concrete Stain

The concrete stain and sealer shall be manufactured by FabCrete, 129 Malone Street, Gadsden, Alabama; 1-888-547-7950, www.fabcrete.com. Color shall be as shown on the plans, or as approved by the engineer.

CONSTRUCTION METHODS

Concrete Collar

The concrete collar shall be constructed on top of the completed compacted processed sidewalk paving base material. This is approximately 5.5" below finish grade.

The Utility cover shall be carefully set to finish grade and be centered in the collar prior to pouring the surround.

Once the concrete has properly cured a stain shall be applied to the top and sides of the concrete collar per manufacturer's instructions. A sealer shall be applied over the top of the stain per manufacturer's instructions. Care shall be used not to get stain on the utility covers.

METHOD OF MEASUREMENT

This work will be measured by the actual number of square feet of completed and accepted concrete collar .

BASIS OF PAYMENT

This work will be paid for at the contract unit price per square foot for "CONCRETE UTILITY COVER COLLAR". Complete in place, which price shall include all materials and labor incidental thereto.

<u>PAY ITEM</u>	<u>DESCRIPTION</u>	<u>PAY UNIT</u>
0360101	Concrete Utility Cover Collar	SF