

November 28, 2012

Project: B-4809
County: Rowan

PROJECT SPECIAL PROVISIONS
Utility Construction

Revise the 2012 Standard Specifications as follows:

Utility Owner's Contact Information:

Page 15-1; Article 1500-2 Cooperation with the Utility Owner, paragraph 2, add the following sentences:

The utility owner is the City of Kannapolis. The contact person is Mr. Wilmer Melton, III, Public Works Director, and he can be reached by phone at (704)920-4200.

Page 15-6; Subarticle 1510-3(B) Testing and Sterilization, change the allowable leakage formula to:

$$W=LD (P)^{1/2}/148,000$$

Page 15-6; Subarticle 1510-3(B) Testing and Sterilization; seventh paragraph delete the words (concurrently or) in the following sentence.

Testing, cleaning and sterilization may be performed ~~concurrently or~~ consecutively.

Steel Pile Cap for Water Line:

Steel pile cap for water line shall be furnished and installed as shown on the Utility Construction plans, as described in the provisions herein and in the contract and as directed by the Engineer.

Pile caps will be placed parallel to the flow of the channel unless otherwise directed by the Engineer.

Galvanizing Steel Pile Cap: Unless otherwise directed, all steel in the steel pile cap including hardware shall be galvanized in accordance with Section 1076 of the Standard Specifications.

Pipe cradle shall be welded to steel plate as noted on the Utility Construction plan sheet details; spacing shall be sufficient to cradle pipe without lifting pipe

from steel plate. Steel pile cap shall be welded to the steel piles. All welds shall be fillet welds and in conformance with the applicable AWS Structural Welding Code.

Straps shall be a 2" wide and 1/2" thick. Radius shall be 1/2 of the outside diameter of pipe plus 2" insulation thickness and protective saddle thickness.

Holes shall be drilled in strap and plate and shall be 1/16" larger than bolt diameter. Bolts shall be 3/4" diameter, 4" long, fully threaded, with flat washers top and bottom, and 3/4" nuts. All steel shall be ASTM A36 steel.

Measurement and Payment

Steel Pile Cap for Water Line furnished and installed as required and accepted will be measured and paid for at the contract unit price per each for *Steel Pile Cap for Water Line*. Such price and payments will be compensation in full for all materials, labor, equipment and incidentals necessary to complete the work.

Pipe Insulation:

Pipe insulation for water line shall be furnished and installed as shown on the Utility Construction plans, as described in the provisions herein and in the contract and as directed by the Engineer.

Pipe insulation shall be installed completely around the exposed portion of water line as shown on the plans and as directed by the Engineer.

Pipe insulation shall conform to ASTM C552 and C1639, and shall have a minimum thickness of 2".

Measurement and Payment

Pipe Insulation furnished and installed as required and accepted will be measured and paid for at the contract unit price per linear foot for *Pipe Insulation*. Such price and payment will be full compensation for all work covered by this provision, including but not limited to labor, materials, and incidentals necessary to complete the work as required.

Drilled-In/Driven Steel H-Piles:

Measurement and Payment

Measurement and payment for *Pile Excavation in Soil for Water Line* and *Pile Excavation Not in Soil for Water Line* will be as described in Article 450-4 of the

Standard Specifications for *Pile Excavation in Soil* and *Pile Excavation Not in Soil*.

Permanent Steel Casing for 2'-6" Min. Diameter Hole will be measured and paid in linear feet. Permanent casings will be measured as the difference between the specified top of utility line pile pier casing elevation and the specified permanent casing tip elevation or revised elevation approved by the Engineer. If a permanent casing cannot be installed to the tip elevation shown in the plans, up to 3 feet of casing cut-off will be paid at the contract unit price for *Permanent Steel Casing for 2'-6" Min. Diameter Hole*.

Measurement and payment for *HP 12X53 Galvanized Steel Piles for Water Line* will be as described in Article 450-4 of the Standard Specifications for _____ *Galvanized Steel Piles*.