#### SP-XX, O-RING GASKETED JOINT R.C. PIPE CULVERT

Version Date: 11/13/2018 Revision Date: XX/XX/XXXX by XXX

**1.0 DESCRIPTION**

Work covered in this special provision consists of flexible watertight joints for concrete pipe using rubber gaskets for sealing the joints for completion of the project.

2.0 MATERIALS AND INSTALLATION

Pipe materials shall be in accordance with Section 310, “Pipe Culverts” of North Carolina Department of Transportation (NCDOT) Standard Specification for Roads and Structures, 2018 Edition.  O-Ring gasketed joints shall follow ASTM C 443, Standard Specification for Joints for Circular Concrete Culvert Pipe, Using Rubber Gaskets.

Bedding and backfill of the O-Ring Gasketed Joint R.C. Pipe Culvert will be in accordance with the requirements of Section 300 “Pipe Installation” of the NCDOT Standard Specifications, SP “*Earthwork, Excavation, Unsuitable Materials, and Backfill Materials”*, SP “*Select Material”, SP “Borrow Excavation”* and in accordance with the details, plans and manufacturer’s recommendations.

3.0 SUBMITTALS

The Contractor shall submit to the City the following items for review:

* Supplier certification stating that the manufactured goods meet the referenced ASTM Standards and the specifications contained within this Special Provision.

4.0 MEASUREMENT

The quantity of O-Ring Gasketed Joint R. C. Pipe Culvert to be paid for will be the actual number of linear feet of pipe which has been installed and accepted.  Measurement will be made by counting the number of joints used and multiplying by the length of the joint.  Where partial joints are used, measurement will be made along the longest length of the partial joint to the nearest 0.1 of a foot.

5.0 PAYMENT

Pipe will be paid for as the actual number of linear feet of O-Ring Gasketed Joint R.C. Pipe Culvert that has been incorporated into the completed and accepted work. Such payment will be full compensation for all work for the items described, including but not limited to, furnishing, hauling, and placing all items described; making all joint connections; connecting pipes, o-rings, pipe joint wrapping, all excavation, furnishing and installing bedding, and cleaning out all installed pipe to complete the work shown on the plans.

Payment will be made under:

**XX” O-RING GASKETED JOINT R.C. PIPE CULVERT............................................................................................ LF**