#### SP-XX, R.C. Pipe Culverts – Gasketed Joint

Version Date: 8/16/2024 Revision Date: XX/XX/XXXX by XXX

**1.0 DESCRIPTION**

Furnish and install drainage pipe as called for in the contract documents. The work includes construction of joints and connections to other pipes, endwalls and drainage structures.

2.0 MATERIALS AND INSTALLATION

R.C. Pipe Culvert materials shall be in accordance with Section 310, “Pipe Culverts” of North Carolina Department of Transportation (NCDOT) Standard Specification for Roads and Structures, 2024 Edition.

Gasketed joints shall follow ASTM C 443, Standard Specification for Joints for Circular Concrete Pipe, Using Rubber Gaskets. Where limited leakage is not acceptable in Confined O-Ring joints, manufacturer provided design will be required.

R.C. Pipe Culvert – Gasketed Joint will be installed 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:

* Certification from manufacturer/supplier stating that the manufactured goods meet the referenced ASTM Standards and the specifications contained within this Special Provision.

4.0 MEASUREMENT

Measurement will be made by counting the number of joints used and multiplying by the length of the joint to obtain the number of linear feet of pipe installed and accepted.  Measurement of partial joints will be made along the longest length of the partial joint to the nearest 0.1 of a foot.

5.0 PAYMENT

The quantity of R. C. Pipe Culvert – Gasketed Joint to be paid for will be the actual number of linear feet of pipe which has been incorporated into the completed and accepted work. Select bedding and backfill material will be included in the cost of the installed pipe. Such price and payment will be full compensation for all materials, labor, equipment, and other incidentals necessary to complete the work including but not limited to, furnishing, excavation, hauling and placing all items described herein, pipe joint wrapping, and cleaning all sediment and debris from the installed pipe.

Payment will be made under:

**XX" R.C. Pipe Culverts, Class XX, Single Offset Joint - Profile Rubber Gasket................................................... LF**

**XX" R.C. Pipe Culverts, Class XX, Confined O-Ring Gasket............................................................................... LF**