#### SP-XX, FENCE, CHAIN LINK

Version Date: 5/19/2021 Revision Date: MM/DD/YYYY by XXX

**1.0 DESCRIPTION**

Work covered by this special provision consists of furnishing and erecting chain link fence as shown on the plans and in accordance with the provisions of these specifications.

**2.0 MATERIALS**

The material shall be chain link fence to match the existing fence. The Contractor will inspect the existing fence and gates to determine the materials, dimensions, and pattern and shall be replaced to match original. Otherwise, use the following criteria:

 A. All material to be hot dip galvanized.

B. Posts: All posts shall be hot dip galvanized round pipe. Terminal posts shall be anchored in concrete footing minimum 3 feet into ground. Line posts may be set with a post driver and must be driven 3 feet into the ground. Posts damaged by power driving will not be accepted. Terminal posts shall be 2 1/2 inch outside diameter (OD). Line posts shall be 1 5/8 inch OD.

C. Top Rail: Top rails 1 3/8 inch OD are to be provided with couplings every twenty feet. The couplings are to be outside sleeve type at least six inches long. The top rail is to pass through the line post loop caps and form a continuous brace from end to end of each stretch of fence.

D. Fence Fabric: Fence fabric shall be 11.5 gauge galvanized wire, woven in a 2 3/8 inch mesh and locked in a standard chain link form.

E. Tension Bars: Fabric shall be securely fastened to all terminal posts using 3/16 inch x 5/8 inch galvanized tension bars.

F. Brace and Tension Bands: Shall be 3/4 inch X 12 gauge pressed steel applied at one per linear foot of fence height.

G. Tie Wires: All tie wires shall be 11 gauge aluminum wire. The top rail tie wires shall be spaced a maximum of fourteen inches apart. Tie wires on line posts shall be applied at a rate of one per linear foot of fence height with all twist wire ends to be located inside of fence.

H. Swing Gates: Gates shall be standard residential single or double swing type. Gate frame members shall be 1.900 inch OD. All material specifications shall meet the above requirements for "Chain Link Fence".

I. Tension Wire: All tension wire should be 7 gauge (0.177 inch). Install tension wire along bottom of fence with hog rings.

**3.0 CONSTRUCTION** **METHODS**

Construction methods for chain link fence shall be in accordance with 866 "FENCE" of the NCDOT Standard Specifications and the manufacturers’ recommendations.

**4.0 MEASUREMENT**

The quantity of chain link fence to be measured is the actual number of linear feet of fence, measured from center of post to center of post, which has been completed and accepted. The quantity of gates to be measured is per each gate which has been completed and accepted. There will be no separate measurement of posts.

**5.0 PAYMENT**

The quantity of chain link fence, measured as provided above, will be paid for at the contract unit price per linear foot for "Chain Link Fence." Such payment will be full compensation for all work of furnishing and installing proposed fence to include but not limited to terminal posts, line posts, top rails, tension bars, brace and tension bands, tie wires, stretcher bars, tension wire, post braces and all incidental materials. The quantity of gates to be paid is per each gate which has been completed and accepted. There will be no separate payment of posts.

Payment will be made under:

**FENCE, 4’ CHAIN LINK ………...……………………………………………………………………………………………..………………… LF**

**FENCE, 4’ CHAIN LINK (GATE)...…………………………………………………………………………………………………………..… EA**

**FENCE, 5’ CHAIN LINK ………...…………………………………………………………………………………………….………………… LF**

**FENCE, 5’ CHAIN LINK (GATE)...…………………………………………………………………………………………………………..… EA**

**FENCE, 6’ CHAIN LINK ………...…………………………………………………………………………………………….………………… LF**

**FENCE, 6’ CHAIN LINK (GATE)...…………………………………………………………………………………………………………..… EA**