

## **ITEM 10607.3040 M - GALVANIZED STEEL CHAIN-LINK FENCE WITH BARBED WIRE, 1830 MM HEIGHT**

### **DESCRIPTION**

The Contractor shall furnish and erect galvanized steel chain-link fence with barbed wire, 1830 mm in height, at the locations shown on the plans or as directed by the Engineer.

### **MATERIALS**

Galvanized steel fence fabric shall conform to Galvanized Steel Fence Fabric, 710-02, except for the following modification:

- A. The size of the mesh and the coated wire diameter shall be 50 mm and 6 gage (4.876 mm) respectively.

Galvanized steel posts, rails, braces and fittings for chain-link fence shall conform to Steel and Iron Posts, Rails, Braces, and Fittings for Chain-Link Fence, 710-10.03, except for the following modifications;

- A. Only Class A, Schedule 40 Pipe or Class B, Steel Tubing will be permitted.
- B. Only Galvanized Coating will be permitted.
- C. Fittings and hardware shall be galvanized coated steel.

All barbed wire shall be two stranded twisted No. 12-1/2 ASW gauge galvanized steel wire with four-point barbs of No. 14 ASW gauge galvanized steel wire conforming to ASTM Designation A121 Class 3 requirements. The barb arm shall conform to the requirements for fittings as specified in Subsection 710-10.03.

Portland cement concrete for post bases shall conform to the material requirements for concrete Class A as specified in Section 501 except that requirements for automated batching shall not apply.

Sleeves shall conform to the requirements for Class A, Schedule 40 Pipe or Class B, Steel Tubing of Subsection 710-10.03. Contractor shall provide sleeves as shown on the plans.

**Construction Details:** The Contractor shall install the fence as shown and detailed on the plans and in conformance with the requirements of Subsection 607-3.01, with the following modifications:

- A. Posts shall be set in concrete bases as detailed on the plans or as directed by the Engineer.
- B. Barbed wire shall be stretched taut and firmly attached to the posts in the manner shown on the plans or as directed by the Engineer.
- C. The Contractor shall not have the option of setting line posts using methods of driving and anchoring specified by the fence manufacturer.

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The Contractor shall install intermediate posts when successive end, gate and corner pull posts exceed 300 m in separation. Intermediate posts shall be installed at such points where necessary to limit the distance between successive pull posts to no more than of 300 m.

**METHOD OF MEASUREMENT**

This work will be measured by the number of linear meters of chain-link fencing, exclusive of the fence gates, measured along the top of fencing, center to center of end posts. An allowance of 3 m will be added for each end post, corner post and pull post installed in accordance with the plans, specifications, details and directions of the Engineer.

**BASIS OF PAYMENT**

The unit price per meter for the above work shall include the cost of all labor, equipment and materials necessary to complete the work, including the cost of any fill and excavation required for the post holes.