

Section 02820**WOOD FENCES AND GATES****1.0 GENERAL****1.01 SECTION INCLUDES**

- A Fence framework, material components, and accessories.
- B Excavation for post bases, concrete foundation for posts, and installation of gates.
 - 1. Manual gates and related hardware.
- C References to Technical Specifications:
 - 1. Section 01200 – Measurement and Payment Procedures
 - 2. Section 01350 – Submittals
- D Referenced Standards:
 - 1. American Society of Testing and Materials (ASTM)
 - 2. American Association of State Highway and Transportation Officials (AASHTO)

1.02 MEASUREMENT AND PAYMENT

- A Measurement for fencing shall be on a linear foot basis for type and height noted, measured and complete in place.
- B Measurement for gates shall be per each, complete in place.
- C Payment includes all labor and materials required to complete installation as indicated on Plans.
- D Refer to Section 01200 – Measurement and Payment Procedures.

1.03 SUBMITTALS

- A Make Submittals required by this Section under the provisions of Section 01350 – Submittals.
- B Shop Drawings: Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, and specific description of material components.
- C Product Data: Provide data on material components including posts, rails, bracing, accessories, fittings, and hardware.

1.04 SYSTEM DESCRIPTION

- A Fence height shall be as indicated on Plans or as noted to match height of existing.
- B Line post spacing shall not exceed 10 feet, or as shown on Plans.

- C Provide bracing as appropriate for structural integrity.
- D Concrete posts in the ground at a depth of, at least, ½ the height of the fence.
- E The diameter of the post hole shall be, at least, 1 ½ times that of the post, or as shown on Plans.

1.05 QUALIFICATIONS

- A Company specializing in installation of the products specified in this Section with minimum three years experience.

1.06 FIELD MEASUREMENTS

- A Verify that field measurements are as indicated on Shop Drawings.

2.0 PRODUCTS

- A When the Work entails replacement of fence structures, the products shall match or exceed the quality of existing.

3.0 EXECUTION

3.01 INSTALLATION

- A Install fence in accordance with the directions of the manufacturer and these Technical Specifications.
- B Use a Class B concrete base or better to set posts into the ground. Allow concrete to cure for at least 7 days before attaching remainder of fence.
- C Where type of material applies, use standard fence stretching equipment to stretch the fencing before tying it to the rails and posts. Repeat the stretching and tying operations about every 100 feet. Use bottom tension wire where specified on Plans.
- D Erect gates so they swing or slide in the appropriate direction. Provide gate stops as required. Secure hardware, adjust, and leave in perfect working order. Adjust hinges and diagonal bracing so that gates will hang level. Adjust rollers and guides of sliding gates so that gates are level.
- E Accommodate contour of ground as indicated on Plans.
- F Where new fence joins an existing fence, set a corner post and brace post at the junction, or tie in as directed on Plans.
- G Nuts and bolts shall be in conformance with ASTM - A307 and shall be galvanized in accordance with AASHTO M232.

H Other hardware indicated on Plans shall be in accordance with ASTM Standards.

END OF SECTION