

## SECTION 02444

### CHAIN LINK FENCES AND GATES

#### PART 1 GENERAL

##### 1.01 WORK INCLUDED

- A. Fence fabric and parts
- B. Excavation for post bases
- C. Concrete anchorage
- D. Gates and hardware

##### 1.02 RELATED WORK

- A. Section 02210: Grading and Excavation
- B. Section 0300: Concrete Work

#### PART 2 PRODUCTS

##### 2.01 CHAIN LINK FENCING

- A. AASHTO M-181, unless otherwise specified or directed by the Engineer.

##### 2.02 POSTS

- A. Line Posts: 2" galvanized steel pipe meeting ASTM A-120 and weighing 3.65 pound per foot or 2" aluminum alloy pipe meeting ASTM B-241, Alloy 6063, T.
- B. Top Rail: 1-1/4" galvanized steel pipe weighing 2.27 pounds per foot meeting ASTM A-120 or 1-1/4" aluminum alloy pipe (ASA Schedule 40) meeting ASTM B-241, Alloy 6063, Temper T6.
- C. End and Corner Posts: 2-1/2" galvanized steel pipe meeting ASTM A-120 and weighing 5.79 pounds per foot or 2-1/2" aluminum alloy pipe (ASA Schedule 40) meeting ASTM B-241, Alloy 6063, Temper T6.
- D. Braces: meet the requirements for top rails as shown above.

##### 2.03 GATES

- A. Fabric for Gates: same as for adjacent fence and meeting the requirements of article 2.01.

- B. Posts: galvanized steel pipe meeting ASTM A-120 or aluminum alloy pipe meeting ASTM B-240 (ASA Schedule 40), Alloy GSA 10A, T6. Size and length to be as specified or shown on the plans.
- C. Framing for Gates: meet the requirements for gateposts. Size and dimensions to be as shown on the plans or specified.

#### 2.04 HARDWARE AND FITTINGS

- A. Galvanized steel or aluminum alloy meeting AASHTO M-181.

### **PART 3 EXECUTION**

#### 3.01 INSTALLATION

- A. Install line posts, corner posts, top rails, fabric and gates, to provide a rigid structure for fence of height as shown on the drawings.
- B. Use manufacturer's standard fittings, fasteners and hardware.
- C. Maximum Post Spacing: CLFMA standard.
- D. Install line, corner and terminal posts plumb and set in 3000 PSI concrete.
- E. Set post to within 6" from concrete footing bottom.
- F. Position fabric bottom 2" above finished grade with tension wire stretched taut between posts.
- G. Pass top rail through line post to form continuous bracing.
- H. Install center and bottom brace rail on corner and gate leaves.
- I. Fasten fabric to top rail, line posts, braces and bottom tension wire with wire ties on 15" centers, maximum.
- J. Attach fabric to end, corner, and gateposts with tension bars and clips.
- K. Stretch fabric between terminal posts or at 100-foot intervals, whichever is least.
- L. Install gates using fabric to match fence with 3 hinges per leaf, latch and catches.

END OF SECTION