

## 1.0 GENERAL PERFORMANCE REQUIREMENTS

### .1 General Requirements

- .1 Chain link fences and gates, either custom fabrication or acceptable manufacturer.
  - .1 1-1/2" black chain link fence mesh, rails and posts or galvanized steel frames, steel gate posts and gate hardware for each gate. To be determined depending on location.
- .2 Provide rails and posts with galvanized steel frames, and gate hardware (to be determined by location). Use sliding roller gates complete with heavy-duty neoprene wheels, or wheels on swing gates where applicable.
- .3 Pedestrian gate swing doors to include egress panic hardware for exiting enclosed yard areas and are to be provided with a lever and lockset from the outside.
- .4 Provide clearance between bottom of fence and ground. Make clearance not less than 50 mm or more than 70 mm.

### .2 Service Enclosures

- .1 Enclosures for meters, locked hose bibs, and other services are to be metal fabrications.

## 2.0 PRODUCTS

### .1 Manufacturers

- .1 The following manufacturers are acceptable:
  - .1 Omega Fence Systems, 1-800-836-6342, [www.omegafence.com](http://www.omegafence.com).
  - .2 Or approved substitution.

### .2 Materials

- .1 General:
  - .1 Finish: Galvanized hot-dip process to ASTM A123/A123M, or manufactured from zinc-coated steel wire to ASTM A641. A 4 mil polyester powder coating is applied on mesh after galvanization.
- .2 Materials:
  - .1 Acceptable Product: Omega Fence System Elite or approved substitution.
  - .2 Regular Duty Welded Wire Mesh Panels: 2511 mm wide formed by one vertical wire of 4.88 mm placed between two horizontal wires of 5.72 mm to ASTM A185 and ASTM A853.
- .3 Posts:
  - .1 Complete with post caps.

Consultants are to provide complete specifications, and review these Technical Standards documents to include BCIT requirements within the specifications as applicable to the project.

.4 Gate Hardware:

- .1 To ASTM F900 for hinges, latch, drop rods and sized to assure proper gate operation.
- .2 Finish: hot-dip galvanized steel for moving parts, powder coated for non-moving parts.
- .3 Hinge: Heavy duty for commercial usage.
- .4 Latch: Self-latching clamp-on gravity system.

**.3 Finishes**

- .1 Black polyester powder coating.

**3.0 EXECUTION**

**.1 Installation**

- .1 Posts to be set in concrete within compacted or undisturbed soil. Extend concrete 50 mm above ground level, and slope to drain away from posts.
- .2 Post anchor bolts are never to be installed into asphalt. Concrete footing is required.
- .3 Step fence sections to follow slopes. Universal brackets can be slid along the post to the desired height and should be installed flush with horizontal wire (no gap). Steep slopes will require longer posts and mesh panels cut in half to keep gap under panel to a minimum.

\*\*\* END OF **FENCES AND GATES** SECTION \*\*\*