

PART 1 – GENERAL

- 1.1 Scope of Work .1 Work under this section involves the complete supply and installation of fence posts, chain link fencing fabric, fence accessories, and pedestrian pass-through gates as indicated on drawings and specified herein.
- 1.2 Payment .1 Payment for chain link fences and gates is included with other items in the Contract.

PART 2 – PRODUCTS

- 2.1 Materials .1 Concrete: Concrete mix designed to produce 20 MPa minimum compressive strength at 28 days and containing 20 mm maximum size, 5 mm minimum size coarse aggregate, for Class A exposure and 60 mm slump at time and point of deposit. 6% air entrainment.
- .2 Chain-link fence fabric: galvanized 3.5 mm thick wire, 50 mm mesh size, 1200 mm high.
- .3 Posts and rails: 60 mm, galvanized steel pipe for line posts; 45 mm for top rails, 90 mm galvanized steel pipe for corner, pedestrian openings and gate posts.
- .4 Bottom tension wire: single strand, galvanized steel wire, 5 mm diameter.
- .5 Tie wire fasteners: single strand, aluminum coated or galvanized steel wire conforming to requirements of fence fabric, 5 mm diameter.
- .6 Tension bar: 5 x 20 mm minimum galvanized steel.
- .7 Tension bar bands: 3 x 20 mm minimum galvanized steel or 5 x 20 mm minimum aluminum.
- .8 Gate frames: galvanized steel pipe, standard weight 45 mm outside diameter pipe for outside frame, 45 mm outside diameter pipe for interior bracing.
- .1 Furnish gates with galvanized malleable iron hinges, latch and latch catch with provision for padlock which can be attached and operated from either side of installed gates.

- .9 Fittings and hardware: cast aluminum alloy, galvanized steel or malleable or ductile cast iron. Post caps to provide waterproof fit, to fasten securely over posts and to carry top rail.

PART 3 -- EXECUTION

3.1 Grading

- .1 Remove debris and correct ground undulations along fence line to obtain smooth uniform gradient between posts. Provide clearance between bottom of fence and ground surface neither less than 30 mm nor more than 50 mm.

3.2 Erection of Fence

- .1 Erect fence along lines indicated.
- .2 Excavate line post holes 200 mm diameter and 1000 mm deep; corner, pedestrian openings and gate post holes 250 mm diameter and 1200 mm deep. Bulb bottom of holes for corner and gate posts and for intermediate posts at every 60 m along fence line.
- .3 Space line posts 2.5 m apart, measured parallel to ground surface. Corner posts at all corners; where alignment changes more than 10 degrees; on both sides of gates and pedestrian openings.
- .4 Do not install fence fabric until concrete has cured a minimum of 5 days.
- .5 Install fence fabric, brace between end and gate posts and nearest line post, on both sides of corner and gate posts, top rail, terminal caps, tension wire, and fence fabric.

3.3 Installation of Gates

- .1 Install gates in locations indicated. Set gate bottom approximately 40 mm above ground surface. Install centre rest and gate stops.

3.4 Touch-up

- .1 Repair damaged galvanized surfaces. Clean damaged surfaces with wire brush removing loose and cracked coatings. Apply two coats of approved zinc-pigmented paint to damaged areas.

3.5 Cleaning

- .1 Clean and trim areas disturbed by operations. Dispose of surplus excavated material off site.

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