

SECTION 7

SANITARY SEWER CONSTRUCTION

SEWER LIFT STATION

CHAIN LINK FENCE

1. SCOPE: The Contractor shall furnish and install a chain link fence at the lift station site as shown on the contract drawings and specified herein.

2. MATERIALS:

A. Fabric: Chain link fabric shall be 6' high, 2" mesh fabric and shall be of 9 gauge hot dipped galvanized wire having a zinc coating of 1.2 oz.

B. Posts, Top Rails, Braces and Gate Frames: Shall be standard O.D. steel pipe (Schedule 40) of the following sizes and weights:

Line Posts	2" weighing not less than 2.72#/ft.
End Corner Posts	3" weighing not less than 5.76#/ft.
Gate Posts	4" weighing not less than 9.10#/ft.
Top Rails, Braces and Gate Frames	1-5/8" weighing not less than 1.12#/ft.

All posts and other framework shall be hot dip zinc coated after fabrication, coating to weigh not less than 1.8 oz. per sq. ft. Square or I sections of equivalent structural strength may be used for posts.

3. GATES: There shall be 2-8' gates installed at the location requested by the District and shall be complete with fixed pin hinges and spring latches, and an automatic hold-open keeper.

4. INSTALLATION: All posts shall be set in concrete as shown on the plan true to line and plumbed. All fencing shall be installed in a proper manner, and no sagging between posts, or deviations in line shall be accepted. Location for all fencing shall be given in the field by the District.

5. FOUNDATIONS: shall be as shown on the plans.

6. TOP RAIL: The fence shall have a continuous top rail for its full length of 1-5/8" O.D. galvanizing tubing, weighing not less than 1.36lb./ft. The top rail shall pass through openings provided in the post tops and each length shall be coupled with a sleeve coupling or one end of rail

swaged for a distance of 3". The fabric shall be attached to the top rail by means of a double wrap of 13 gauge zinc coated tie wires spaced at intervals of not less than 2'-0".

7. BOTTOM TENSION WIRE: A bottom tension wire, No. 7 gauge, having a zinc coating of .80 oz. per square foot of surface area shall be provided and installed along the bottom of the fence. Fabric shall be fastened to the tension wire at intervals of 2'-0" using hog rings.

8. BARBED WIRE SUPPORTING ARMS: Heavy pressed steel, complete with provisions for anchorage to tubular end, corner, and pull posts attaching three rows of barbed wire to each arm. Dual arms shall be integral with a post top weather cap. Intermediate arms shall have opening for passage of top rail. Arms shall be capable of withstanding, without failure; 250 lbs. downward pull at outermost arm.

9. BARBED WIRE: Three strands, 12-1/2 gauge wire with 14 gauge 4 point barbs spaced approximately 5" O.C. Wire shall have a zinc coating of 0.8 oz. as per ASTM A-491, Class 2.