



## Calamba Water District

Lakeview Subdivision, Halang, Calamba, Laguna  
Tel. Nos. 545-1614; 245-2086; 245-3180/3182  
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ISO Certificate Registration No. PHP QMS 21 93 0047

**PROJECT** :PROPOSED REHABILITATION OF CONCRETE FENCE  
**LOCATION** :Bucal, Calamba City, Laguna  
**DATE** :June 1, 2021

### SCOPE OF WORKS AND SPECIFICATIONS

#### I. SCOPE OF WORKS

The work calls for the performance to supply of labor, materials, tools and equipment, supervision and other appurtenances necessary to complete the above project as shown on the drawings and as specified herein.

##### A. Chipping Works

The Contractor shall perform chipping of the existing column to a certain depth as specified in the drawing and expose the reinforcing bar for the tie-up of the additional column.

##### B. Concrete and Masonry Works

The Contractor shall construct concrete beam, column, lintel beam and CHB wall as specified in the drawing for the proposed additional concrete fence.

All the equipment/s for mixing and transporting concrete shall be clean. Debris shall be removed from spaces to be occupied by concrete. All concrete shall be mixed until there is uniform distribution of materials and shall be discharged completely before mixer is recharged. Use class B Concrete mixture.

Place steel reinforcements, concrete, CHB, ties and all other appurtenances as shown and as required to provide a complete and workable installation. Where steel reinforcement details such as number and sizes of vertical and horizontal bars and ties including spacing are shown, the reinforcement bars shall conform thereto and shall be placed as indicated. Steel reinforcement shall be cut to its desired length as specified on the plan.

Forms shall result in the final structure that conforms to shape, lines and dimension of members as required by the design drawings. It should be tight to prevent leakage of mortar. It should be properly braced and tied together to maintain position and shape. Forms shall be removed in such manner as not to impair safety and serviceability.

Laying of Concrete Hollow Blocks. CHB inside surfaces shall be filled with mortar and shall encase fully the reinforcing steel. Use 12mm  $\emptyset$  rebars spaced at 800mm on centers vertically and every three layers horizontally.

Plastering. Surfaces to receive plaster shall be clean and free from defects. Corners and interior angles shall be square which arises slightly rounded. Thickness of plaster shall not be less that 20mm. Aside from the proposed additional CHB wall, the existing concrete

fence shall be repaired thru plastering all or portion of the wall, depending on the actual site condition and as verified by CWD Project-in-charge.

C. Steel Works

Steel Gate. The Contractor shall fabricate and install the Steel Gate as shown in the drawing. Materials to be used shall be according to the standard specifications. The Contractor shall verify all measurements in the field. Any changes to suit field condition shall be approved by the Project-in-charge.

Fence Barbed Wire. The Contractor shall install bended Angle bar with barbed wire, as specified in the drawing.

D. Painting Works

The Contractor shall perform re-painting works of the existing concrete fence and painting of the proposed additional fence. All painting and finishing shall be performed by skilled painter. Each coat of paint shall be applied at proper consistency, evenly and free of laps, sags and runs and cut sharply to required lines. Except as otherwise specified or required, paint shall be applied only under dry and dust-free conditions that will insure properly finished surfaces, free of defects and blemishes. Paint shall not be applied when temperature is likely to be above 32°C (90°F). Sufficient time shall be allowed between coats to insure proper drying. All primer and intermediate coats shall be unscarred and completely integral at time of application of each succeeding coat. The Project-in-charge shall be notified when each coat has been applied and is ready for inspection. Until each coat is inspected and approved by the Project-in-charge, no succeeding coats shall be done.

E. General

Materials to be used shall be according to the standard specifications. The Contractor shall verify all measurements in the field. Any changes to suit field condition shall be approved by the Engineer.

Prepared by:

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