



Calamba Water District

Lakeview Subdivision, Talang, Calamba, Laguna
Tel. Nos. 545-1614; 245-2086; 245-3180/3182
Tel./Fax: (049) 545-2863

PROJECT TITLE: **PROPOSED SCRAP AREA FENCE**
LOCATION: **BUCAL PUMPING STATION UPPER, CALAMBA CITY**
DATE: April 23, 2021

SCOPE OF WORKS AND SPECIFICATIONS

FOR THE SUPPLY OF LABOR, MATERIALS AND SUPERVISION FOR THE ABOVE PROJECT TITLE

A. GENERAL

The plans and specifications are intended to be complimentary. Anything shown on the drawings but not mentioned in the specification or vice-versa shall be done as it were mentioned or indicated in both. Anything not expressly set forth in either but is reasonably implied, shall be taken into account although specifically mentioned or indicated in both. If no numerical indications appear in the drawings, the measurement shall be carefully followed according to the scale of drawings. If there is conflict or ambiguity in the plans and specification, the matter shall be presented to the Project Engineer who shall be providing the necessary interpretation or clarification.

- 1.1 Scope of Work: The work shall consist of performing all the operations and incidentals necessary to construct and make ready for use the **Proposed Scrap Area Fence**, which shall be located at Bucal Pumping Station Upper, Calamba City.
- 1.2 Field Engineering: All location and elevation for various parts of the work shall be determined prior to construction. The Project Engineer shall verify the figures on all data documents before laying out the work and shall be responsible for correcting any error or inaccuracies therein.
- 1.3 Materials and Equipment: All materials and equipment to be used in the work shall be new and shall not show any sign of defects or impurities and shall be manufacturer's high quality standard products. Materials and equipment shall meet the specification and performance requirements on the contract.

B. SITEWORK

- 2.1 Site Clearing: It shall consist of the removal and disposal of all trees, stumps, roots, logs, shrubs, grass, weeds and other surface litter, wherever they occur within the right of way and within such other areas as directed and staked out by the Project Engineer or Project in Charge.
- 2.2 Excavation for structures: It shall consist of the removal of all materials necessary for construction of the work included in the contract.

C. CONCRETE

- 3.1 Concrete Reinforcement: Use 12mm diameter, Grade 33 Deformed Bar
- 3.2 Cement: Use Portland Cement conforming to the requirements of ASTM and the Philippine Trade of Standard.
- 3.3 Use crushed gravel, $\frac{3}{4}$ " for column footings, columns, beams and slab on fill. All concrete shall have a minimum 28 days curing compressive strength of $f_c' = 20.7$ Mpa.

D. STEEL FRAMINGS

- 4.1 Use 1 $\frac{1}{2}$ schedule 40 Galvanized Iron pipe for vertical framing.
- 4.2 Use Cyclone wire 2" x 2" mesh, 2.8mm wire size 7' high
- 4.3 Use barbed wire 15kg/roll
- 4.4 Use Angle Bar 1" x 1" x 4mm thick

E. HARDWARE AND ACCESSORIES

- 5.1 Use fastener and accessories as specified in the plan with high standard quality and shall be subject for approval of the Project Engineer.

F. STANDARDS OF MATERIALS

- 6.1 All materials shall be new and shall conform to the Technical Specifications. All materials shall be standard products of reputable manufacturer's and shall bear the name of the manufacturer.

6.2 All materials shall be subject to the approval of the Project Engineer. This approval shall not relieve the Contractor of the responsibility of inspecting such materials for defects of non-conformance with the Specifications.

6.3 Where the Technical Specifications or the drawings give the name of the manufacturer and/or catalog number of materials, it is given intended. Substitution shall be subject to prior written approval of the Project Engineer.

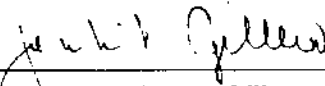
The apparent silence of the Specifications and drawings as to any detail, or apparent omission from them of a detailed description concerning any material shall be regarded to mean that only material of first class quality shall be used.

Prepared by:




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Recommending Approval by:



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Approved by:



Mr. Exequiel A. Aguilar
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