



PROJECT REQUIREMENTS/PARAMETERS

Project Title: **DESIGN AND BUILD OF SEWAGE TREATMENT PLANT FOR ISOLATION BUILDING**

Location: SPMC COMPOUND, J.P. LAUREL AVE., BAJADA, DAVAO CITY

Scheme: DESIGN & BUILD

Project Duration: 75 CALENDAR DAYS

General Parameter: 200 cum. SEWAGE TREATMENT PLANT

Specific Requirements:

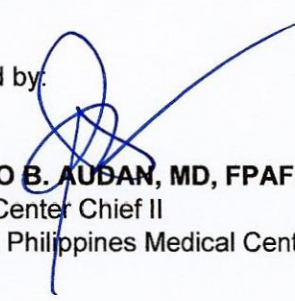
- 1. Details of the sewage treatment plant design shall be in accordance with the following codes and standards:**
 - a. Clean Water Act Of 2004
 - b. Sewage Disposal IRR (1995) Of Sanitation Code
 - c. National Policy on Urban Sewerage and Sanitation of 1994
 - d. DENR Revised Effluent Regulations of 1990
 - e. NPCC IRR On Domestic Wastewater Disposal Of 1981
 - f. Provisions for Wastewater Disposal in The Water Code, Environment Code, Plumbing Code, National Building Code, Local Government Code, Civil Code and Sanitation Code
- 2. The Treatment system shall compose of the basic components and levels of treatment process which includes:**
 - a. Primary Sedimentation Tank
 - b. Aeration Tank
 - c. Final Sedimentation Tank
 - d. Disinfection Tank
- 3. Design Output & Plans:**
 - a. Architectural Requirements
 - i. Plans
 1. Perspective, Vicinity Map, & Site Development Plan
 2. Floor Plans with Area Tabulation
 3. Elevations & Sectional Views with Specifications
 4. Elevations & Sections
 - ii. Specifications
 - b. Structural Requirements
 - i. Structural Analysis & Design Report
 1. Substructure: Sewage Tank's Walls and Slabs
 - ii. Plans
 1. Construction Notes
 2. Sewage Tank's Walls and Slabs Plan & Section Details
 3. Schedule of lintel Columns with Details
 4. Schedule of lintel Beams with Details
 5. Equipment room's Plans and Section Details
 6. Equipment room's Roof Framing Plan & Details
 - c. Electrical Plans
 - i. General Notes & Standard
 - ii. Specifications
 - iii. Lighting Layout
 - iv. Power Layout
 - v. Schedule of Electrical Load and Design Computation
 - vi. Single Line Riser Diagram

- d. Mechanical Plans
 - i. General Notes & Standards
 - ii. Specifications
 - iii. List of Equipment w/ Specification
- e. Plumbing Plans
 - i. General Notes & Standards
 - ii. Specifications
 - iii. Waterline Layout
 - iv. Sanitary & Drainage Layout
 - v. Isometric Layout
 - vi. Sewage tank's Plans & Details

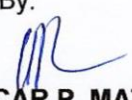
Prepared and Submitted By:

Engr. HENRY Q. TANCIO
SPMC - Engineer IV
Engineering & Facilities Management Head

Approved by:


RICARDO B. AUDAN, MD, FPAFP
Medical Center Chief II
Southern Philippines Medical Center

Checked By:


Atty. OSCAR P. MATA
SPMC – Chief Admin Officer
Southern Philippines Medical Center