

01.1 PORT LOCATION MAP

SCALE 1:NTS METERS

SHT. NO. DESCRIPTION

01 PORT LOCATION MAP / SHEET CONTENTS / LEGEND / SPECIFICATIONS / SOLAR POWERED LED STREET LIGHT DETAIL / COA BILLBOARD STEEL FRAME DETAIL / TAGPOPONGAN PORT - EXISTING SOLAR LIGHT LOCATION PLAN (4-UNITS TO BE REPLACE)

02 MATI PORT - EXISTING SOLAR LIGHT LOCATION PLAN (3 UNITS TO BE REPLACED) / MACO PORT - EXISTING SOLAR LIGHT LOCATION PLAN (4 UNITS TO BE REPLACED)

01.2 SHEET CONTENTS

SCALE 1:NTS METERS

- SINGLE ARM SOLAR POWERED LIGHT POST
- DOUBLE ARM SOLAR POWERED LIGHT POST
- SOLAR POWERED LIGHT POST BY PPA HO
- SOLAR LIGHT FOR REPLACEMENT

SEMI-INTEGRATED INDUSTRIAL GRADE SOLAR STREET LIGHT

SOLAR MODULE: 160W / DC36V MONOCRYSTALLINE SILICON, 25 YEARS LIFETIME

LED POWER: 80W-120W, 5050 LED CHIP 180 LM/W, AT LEAST 50000 HOURS

LUMINOUS FLUX: 12800 - 14400 LM

BATTERY: LiFePO4 (LITHIUM-IRON FERROUS PHOSPHATE), 614.4WH / DC25.6V, 24AH, 10-15 YEARS LIFETIME

CHARGE TIME: 6-8 HOURS BY STRONG SUNLIGHT

CONTROLLER: SMART MPPT CONTROLLER

WORKING TEMP.: -25°C - +65°C

COLOR TEMP.: 3000K - 6500K

MOUNTING HEIGHT: 8-10 METERS

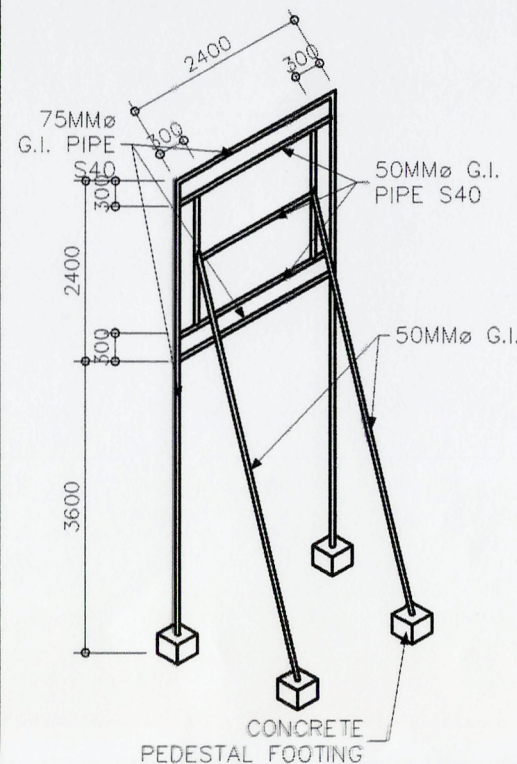
HOUSING MATERIALS: HIGH QUALITY DIE-CASTING ALUMINUM, LIGHT WEIGHT, STRONG AND CORROSION RESISTANT, ANTI RUST. MAKING IT ABLE TO RESIST STRONG WIND LOAD OF UP TO 130MPH THAT CA LAST MORE THAN 25 YEARS.

CERTIFICATE: CE / ROHS / IP65 / ISO9001

WARRANTY: 3-5 YEARS

01.4 SPECIFICATIONS

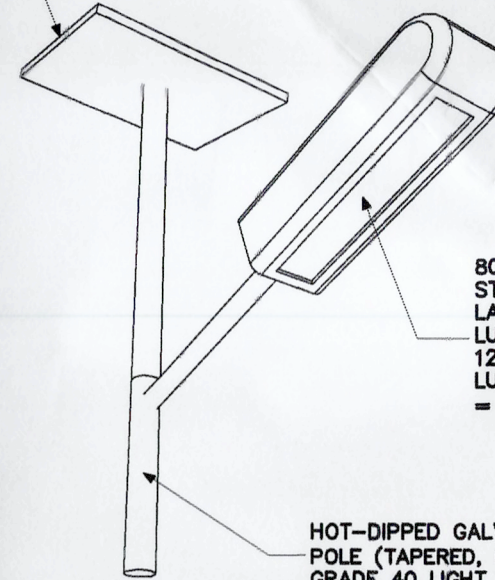
SCALE 1:NTS METERS



01.6 COA BILLBOARD STEEL FRAME DETAIL

SCALE 1:100 METERS

SOLAR MODULE 160/DC36V HIGH-EFFICIENCY MONOCRYSTALLINE SILICON WITH WITH WITH LITHIUM-ION BATTERY TYPE: LiFePO4 W/ CAPACITY OF 614.4 WH / DC25.6V, 24AH

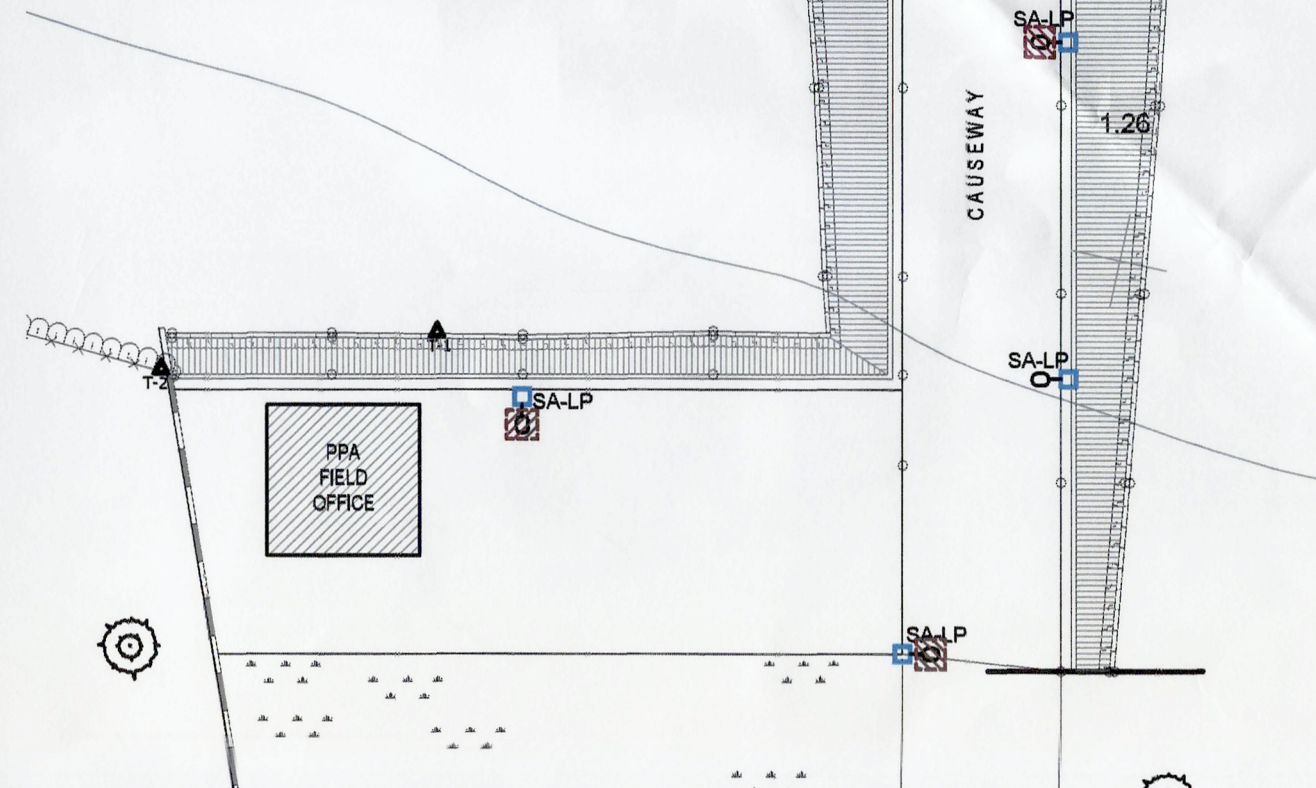


80W-120W LED STREET LIGHT, LAMP RATED TOTAL LUMINOUS FLUX = 12800-14400LM, LUMINOUS EFFICACY = 160-180 LM/W

HOT-DIPPED GALVANIZED POLE (TAPERED, 6"Ø x 3"Ø) GRADE 40 LIGHT POST

01.5 SOLAR POWERED LED STREET LIGHT DETAIL

SCALE 1:20 METERS



01.6 TAGPOPONGAN PORT - EXISTING SOLAR LIGHT LOCATION PLAN (4-UNITS TO BE REPLACE)

SCALE 1:400 METERS

01.3 LEGEND

SCALE 1:NTS METERS



PREPARED BY:
VICTOR A. JASPE
ENGINEERING ASSISTANT-A

CHECKED AND REVIEWED BY:
EDELPETER L. DE LA ROSA
SUPERVISING ENGINEER A

RECOMMENDING APPROVAL BY:
LARA SIMONE L. ABA
ACTING ESD MANAGER

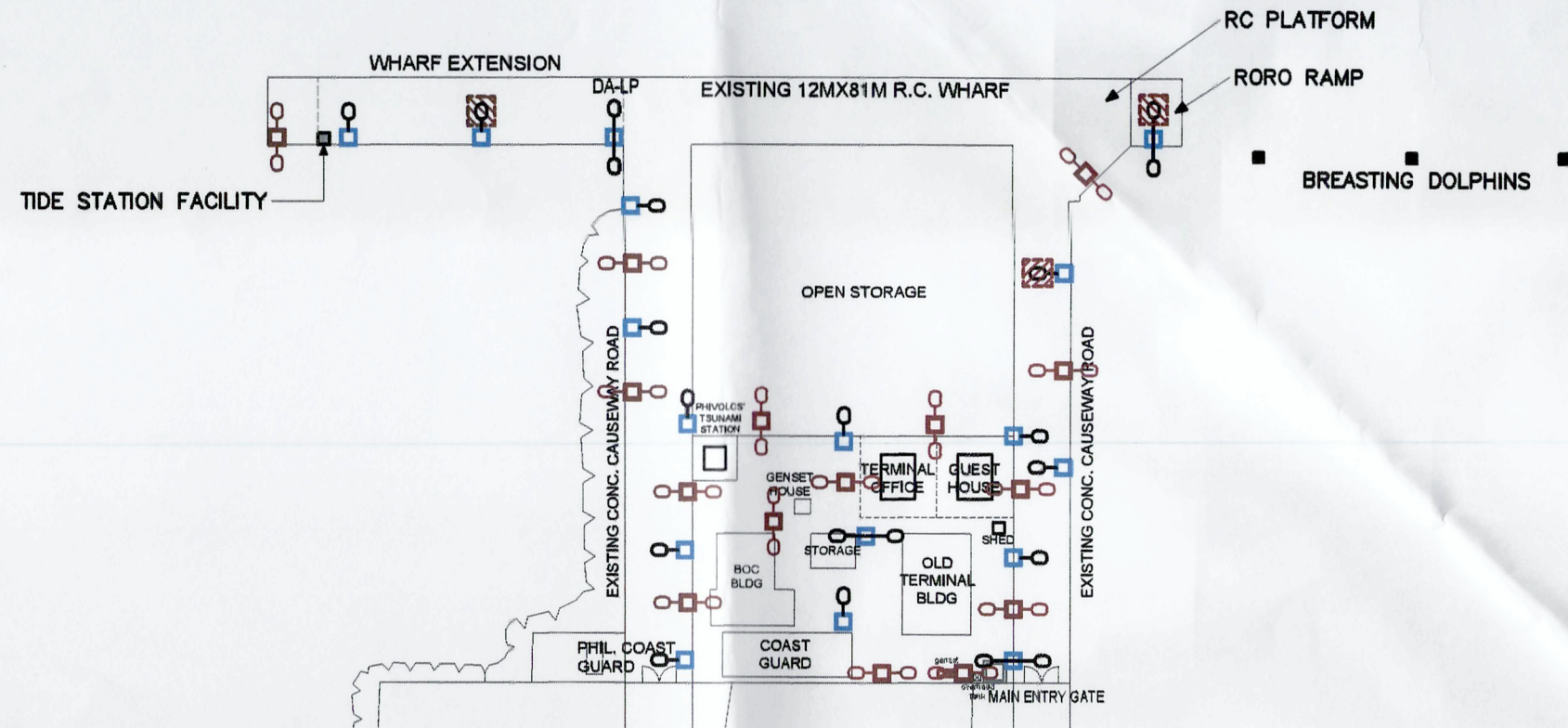
APPROVED BY:
ANALEE G. AGUILA
PORT MANAGER

OWNER:
ANALEE G. AGUILA
PORT MANAGER

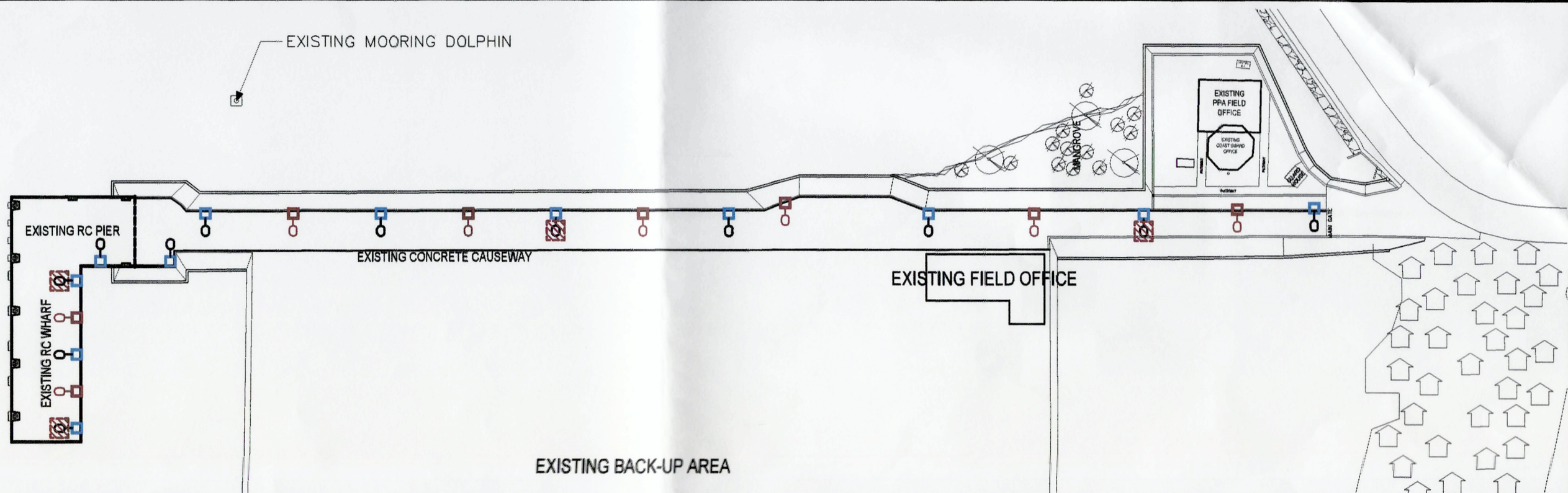
PROJECT TITLE:
ROUTINE AND MAINTENANCE OF THE EXISTING ELEVEN (11) NON-FUNCTIONAL SOLAR STREETLIGHTS AT THE PORTS OF TAGPOPONGAN, MATI, AND MACO

REVISIONS
DATE REMARKS
ADDENDUM


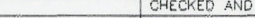

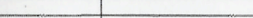
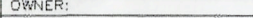
SHEET NO. OF
01 2



02.1 MATI PORT – EXISTING SOLAR LIGHT LOCATION PLAN (3 UNITS TO BE REPLACED)
SCALE 1:1250 METERS



02.2 MACO PORT – EXISTING SOLAR LIGHT LOCATION PLAN (4 UNITS TO BE REPLACED)
SCALE 1:800 METERS

 <p>PHILIPPINE PORTS AUTHORITY PORT OF DAVAO</p>	PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:	OWNER:	PROJECT TITLE:	REVISIONS	SHEET NO.	OF	
	 VICTOR A. JASPE ENGINEERING ASSISTANT-A	 EDEL PETER L. DE LA ROSA SUPERVISING ENGINEER A	 LARA SIMONE L. ABA ACTING ESD MANAGER	 ANALEE G. AGUILA PORT MANAGER	ANALEE G. AGUILA PORT MANAGER	ROUTINE AND MAINTENANCE OF THE EXISTING ELEVEN (11) NON-FUNCTIONAL SOLAR STREETLIGHTS AT THE PORTS OF TAGPOPOANGAN, MATI, AND MACO	DATE	REMARKS	02	2
	SHEET CONTENTS:	LOCATION:	ADDENDUM	NO.	PROJECT	CADD BY: VAJ				
	MATI PORT – EXISTING SOLAR LIGHT LOCATION PLAN (3 UNITS TO BE REPLACED) / MACO PORT – EXISTING SOLAR LIGHT LOCATION PLAN (4 UNITS TO BE REPLACED)	TAGPOPOANGAN, MACOS, DAVAO DEL NORTE / MATI CITY, DAVAO ORIENTAL / MACO, DAVAO DEL OR	DATE	DATE	DATE	DATE				