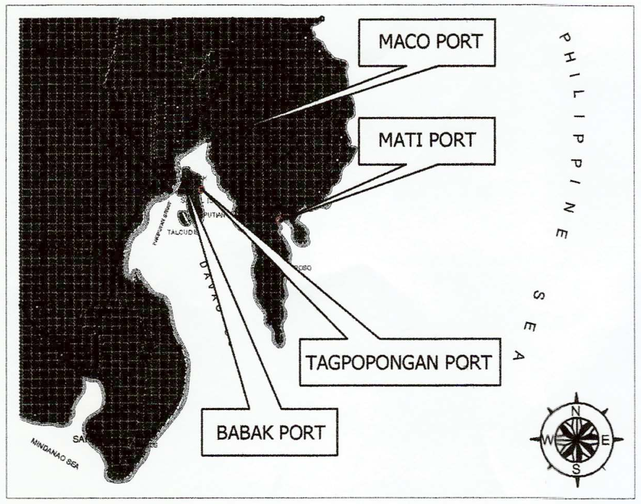


01.1 VICINITY MAP
SCALE 1: NTS METERS

01.2 SHEET CONTENTS
SCALE 1: NTS METERS

SHT. NO.	DESCRIPTION
01	VICINITY MAP / TABLE OF CONTENTS / LEGEND / TABLE OF QUANTITIES / LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – BABAK PORT
02	LEGEND / TABLE OF QUANTITIES / LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – MACO PORT
03	LEGEND / TABLE OF QUANTITIES / LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – MATI PORT
04	LEGEND / TABLE OF QUANTITIES / LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – TAGPOPONGAN PORT
05	SINGLE ARM SOLAR POWERED STREETLIGHT POLE ELEVATION / DOUBLE ARM SOLAR POWERED STREETLIGHT POLE ELEVATION / PEDESTAL COL. FTG. FOR SINGLE AND DOUBLE ARM LIGHT POST (PC1) / PEDESTAL COL. FTG. FOR SINGLE AND DOUBLE ARM LIGHT POST (PC2)
06	PLAN OF PEDESTAL COLUMN ALONG RC DECK CURB / SECTION VIEW / STEEL BRACKET DETAIL (FOR SINGLE & DOUBLE ARM) / SOLAR PANEL FRAMING DETAIL (FOR SINGLE & DOUBLE ARM STREET LIGHTS) / BASE PLATE DETAIL (FOR DOUBLE ARM STREET LIGHT) / BASE PLATE – STEEL PIPE CONNECTION DETAIL (FOR DOUBLE ARM STREET LIGHT)
07	TYPICAL SINGLE LINE DIAGRAM FOR SINGLE ARM / TYPICAL WIRING DIAGRAM FOR SINGLE ARM SOLAR STREET LIGHTS
08	TYPICAL SINGLE LINE DIAGRAM FOR DOUBLE ARM / TYPICAL WIRING DIAGRAM FOR DOUBLE ARM SOLAR STREET LIGHTS

SA–PF – SINGLE ARM SOLAR POWERED STREET LIGHTS ON PEDESTAL FOOTING

DA–PF – DOUBLE ARM SOLAR POWERED STREET LIGHTS ON PEDESTAL FOOTING

SA–RC – SINGLE ARM SOLAR POWERED STREET LIGHTS AT THE RC CURB

DA–RC – DOUBLE ARM SOLAR POWERED STREET LIGHTS AT THE RC CURB

SA–LP – EXISTING SINGLE ARM LIGHT POST

DA–LP – EXISTING DOUBLE ARM LIGHT POST

– LOCATION OF EXISTING STREET LIGHTS TO BE REPLACED BY SOLAR POWERED LIGHTING SYSTEM

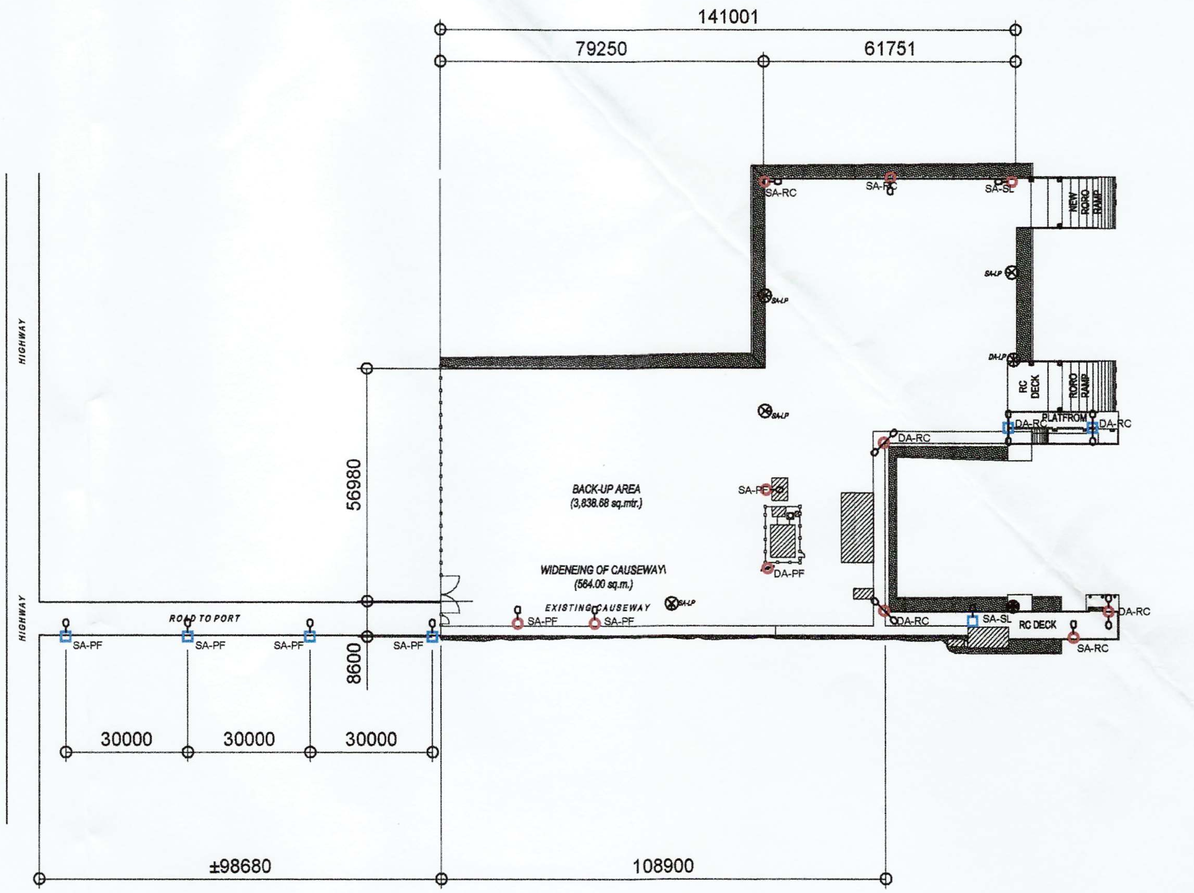
– EXISTING STREET LIGHT TO BE REMOVED.

– ADDITIONAL NEW SOLAR POWERED STREET LIGHTS

01.3 LEGEND
SCALE 1: NTS METERS

DESCRIPTION	NO. OF UNITS
EXISTING SINGLE ARM STREET LIGHTS TO BE REPLACED BY SINGLE ARM SOLAR POWERED LIGHTING SYSTEM	7
EXISTING DOUBLE ARM STREET LIGHTS TO BE REPLACED BY DOUBLE ARM SOLAR POWERED LIGHTING SYSTEM	3
NEW ADDITIONAL SINGLE ARM SOLAR POWERED STREET LIGHTS	06
NEW ADDITIONAL DOUBLE ARM SOLAR POWERED STREET LIGHTS	2
EXISTING SINGLE ARM STREET LIGHTS TO BE REMOVED	4
EXISTING DOUBLE ARM STREET LIGHTS TO BE REMOVED	1

01.4 TABLE OF QUANTITIES
SCALE 1: NTS METERS



01.5 LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – BABAK PORT
SCALE 1: 1500 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	LARA SIMONE L. ABA *SENIOR ENGINEER A*	GARY LEE L. ANGHAG *ACTING ESD MANAGER*	ANALEE G. AGUILA *ACTING PORT MANAGER*

OWNER: ANALEE G. AGUILA, *ACTING PORT MANAGER*

SHEET CONTENTS: VICINITY MAP / TABLE OF CONTENTS / LEGEND / TABLE OF QUANTITIES / LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – BABAK PORT

PROJECT TITLE: REPAIR OF DAMAGED STREET LIGHTING SYSTEM AT PORTS OF BABAK, MATI, MACO AND TAGPOPONGAN

LOCATION: BABAK, IGACOS / MATI, DAVAO ORIENTAL / TAGPOPONGAN, IGACOS

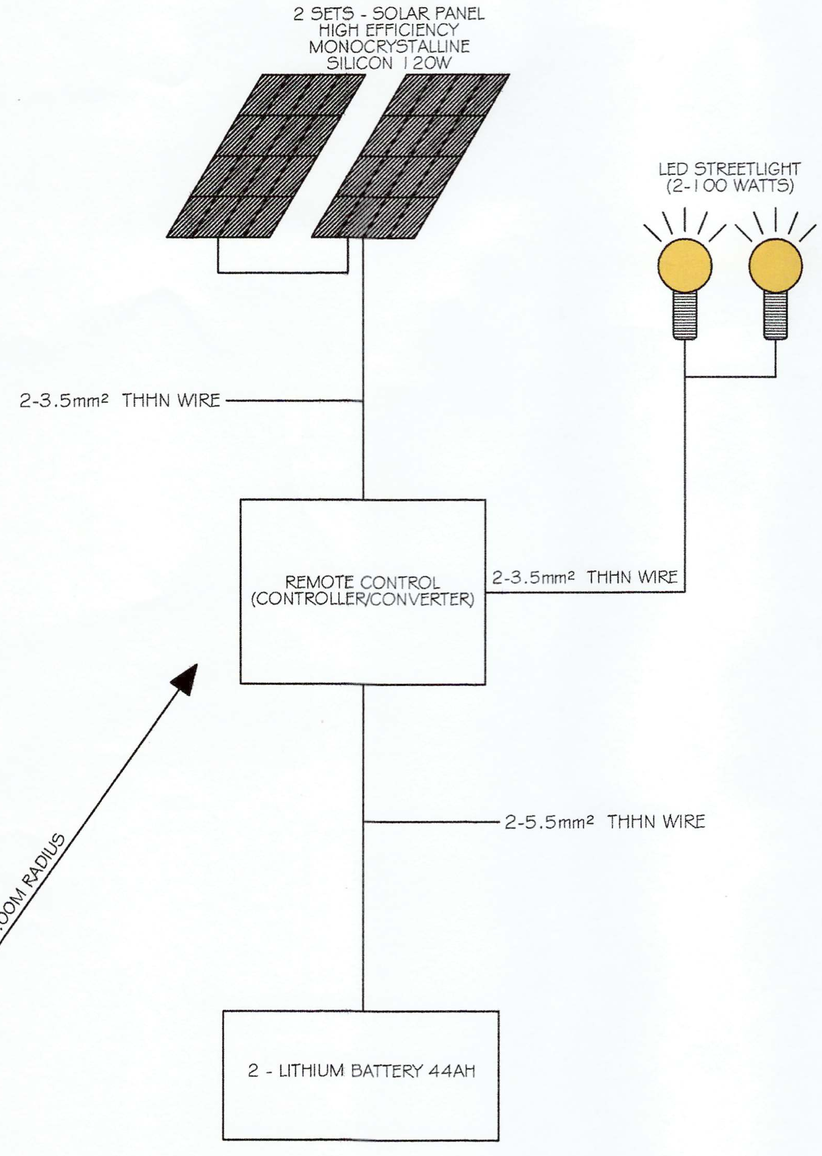
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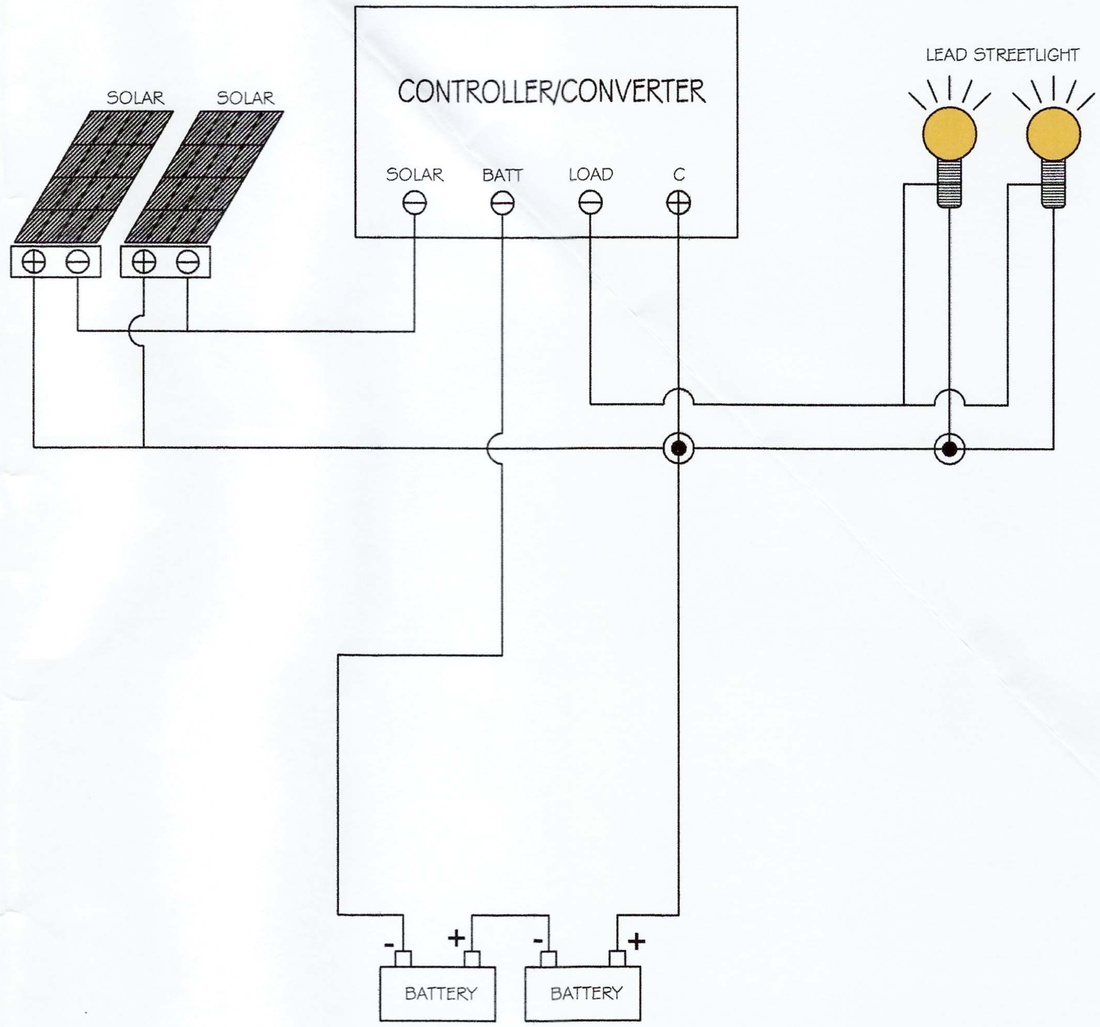
SHEET NO. 01 OF 08

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DATE DRAWN 3/8/18
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08.1 TYPICAL SINGLE LINE DIAGRAM FOR DOUBLE ARM
SCALE 1: NTS METERS

08.2 TYPICAL WIRING DIAGRAM FOR DOUBLE ARM SOLAR STREET LIGHTS
SCALE 1: NTS METERS

PHILIPPINE PORTS AUTHORITY
PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT-A*	LARA SIMONE L. ABA *SENIOR ENGINEER A*	GARY LEE L. ANCHAG *ACTING ESD MANAGER*	ANALEE G. AGUILA *ACTING PORT MANAGER*

OWNER: ANALEE G. AGUILA, *ACTING PORT MANAGER*

SHEET CONTENTS: TYPICAL SINGLE LINE DIAGRAM FOR DOUBLE ARM / TYPICAL WIRING DIAGRAM FOR DOUBLE ARM SOLAR STREET LIGHTS

PROJECT TITLE: REPAIR OF DAMAGED STREET LIGHTING SYSTEM AT PORTS OF BABAK, MATI, MACO AND TAGPOPONGAN

LOCATION: BABAK, IGACOS / MATI, DAVAO ORIENTAL / TAGPOPONGAN, IGACOS

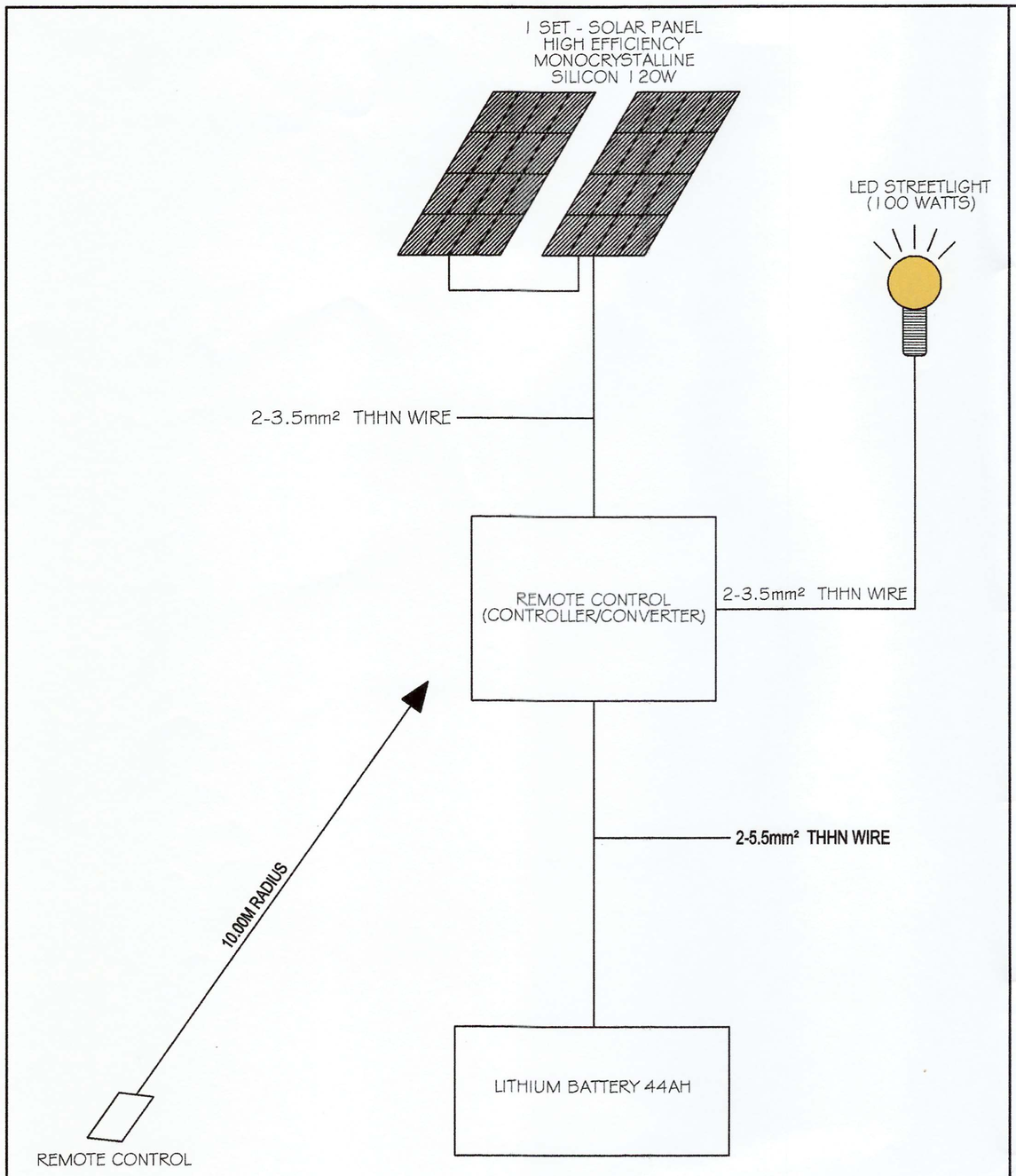
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DRAWN	-	

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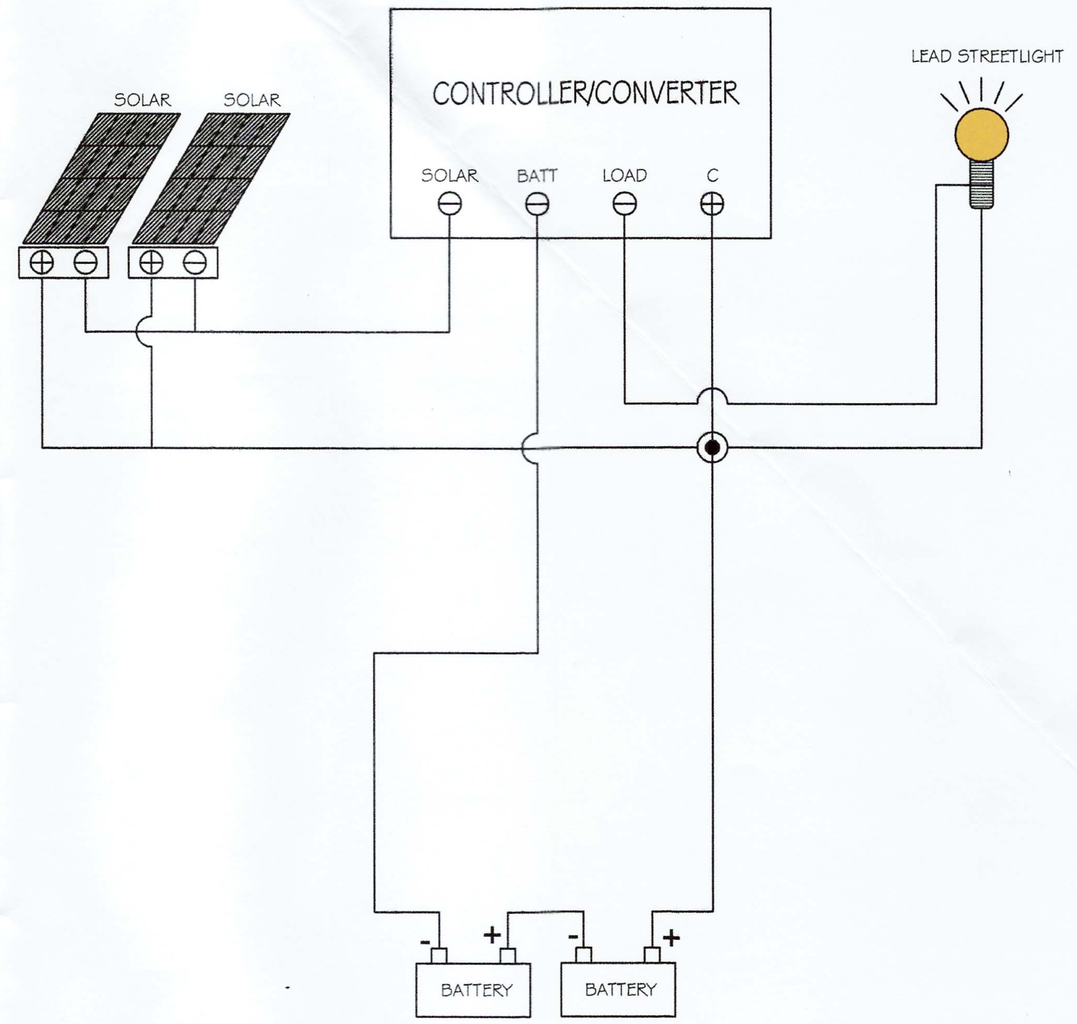
CADD BY: VAJ
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07.1 TYPICAL SINGLE LINE DIAGRAM FOR SINGLE ARM
SCALE 1: NTS METERS



07.2 TYPICAL WIRING DIAGRAM FOR SINGLE ARM SOLAR STREET LIGHTS
SCALE 1: NTS METERS

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APPROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	LARA SIMONE L. ABA *SENIOR ENGINEER A*	GARY LEE L. ANCHAG *ACTING ESD MANAGER*	ANALEE G. AGUILA *ACTING PORT MANAGER*

PHILIPPINE PORTS AUTHORITY
PMO DAVAO

OWNER: ANALEE G. AGUILA, *ACTING PORT MANAGER*

SHEET CONTENTS: TYPICAL SINGLE LINE DIAGRAM FOR SINGLE ARM / TYPICAL WIRING DIAGRAM FOR SINGLE ARM SOLAR STREET LIGHTS

PROJECT TITLE: REPAIR OF DAMAGED STREET LIGHTING SYSTEM AT PORTS OF BABAK, MATI, MACO AND TAGPOPONGAN

LOCATION: BABAK, IGACOS / MATI, DAVAO ORIENTAL / TAGPOPONGAN, IGACOS

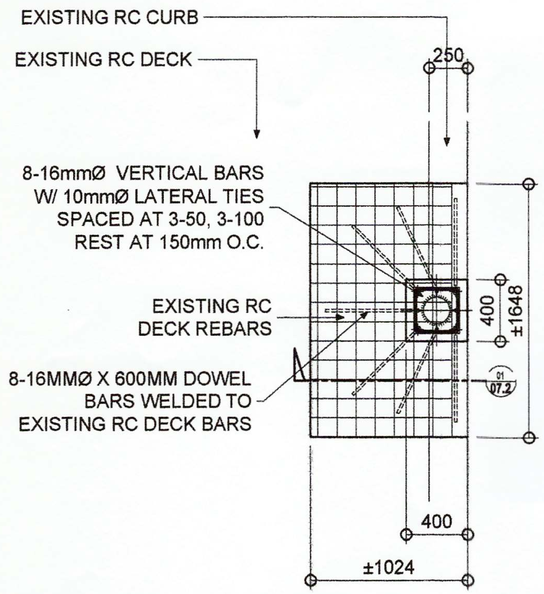
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DATE	REMARKS
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SHEET NO. 07 OF 08

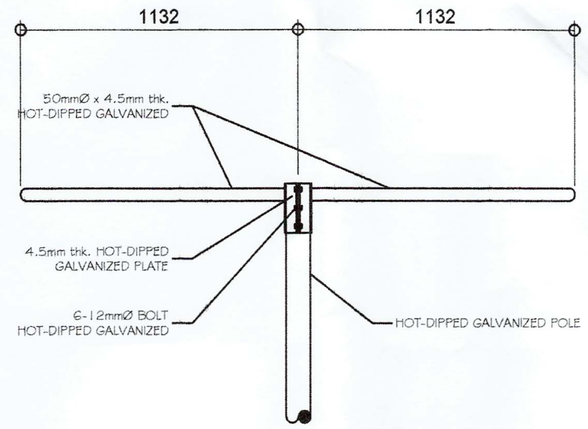
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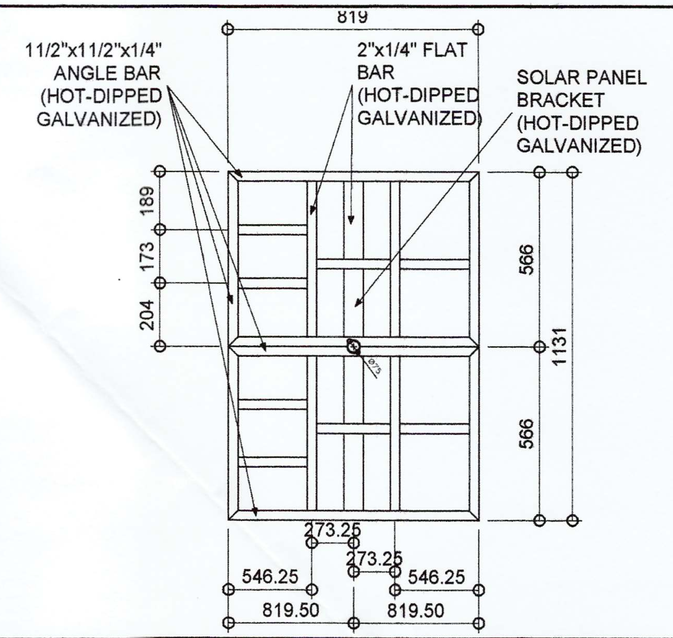
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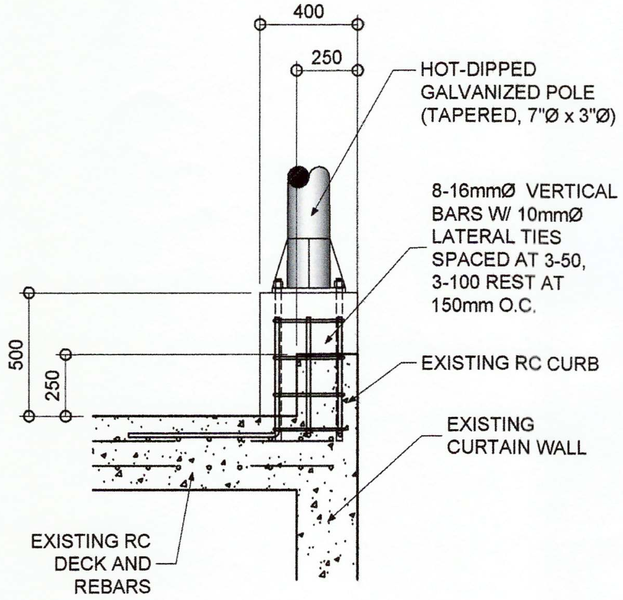
06.1 PLAN OF PEDESTAL COLUMN ALONG RC DECK CURB
SCALE 1:40 METERS



06.3 STEEL BRACKET DETAIL (FOR SINGLE & DOUBLE ARM)
SCALE 1:20 METERS

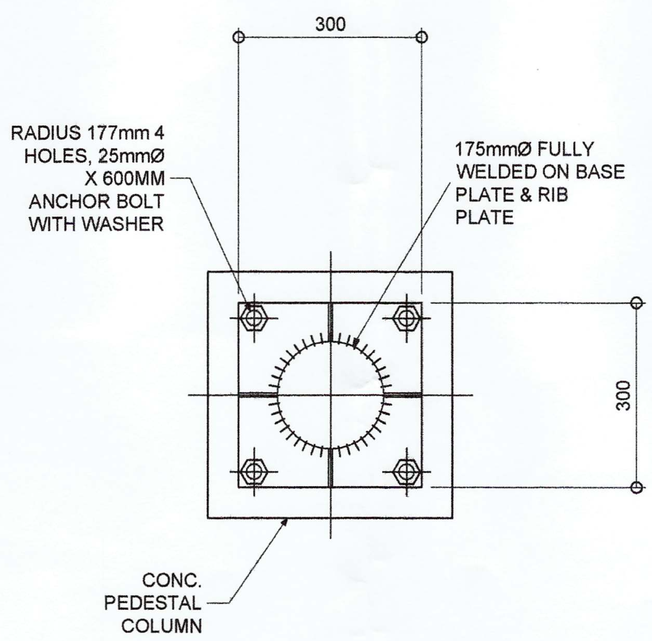


06.4 SOLAR PANEL FRAMING DETAIL (FOR SINGLE & DOUBLE ARM STREET LIGHTS)
SCALE 1:20 METERS

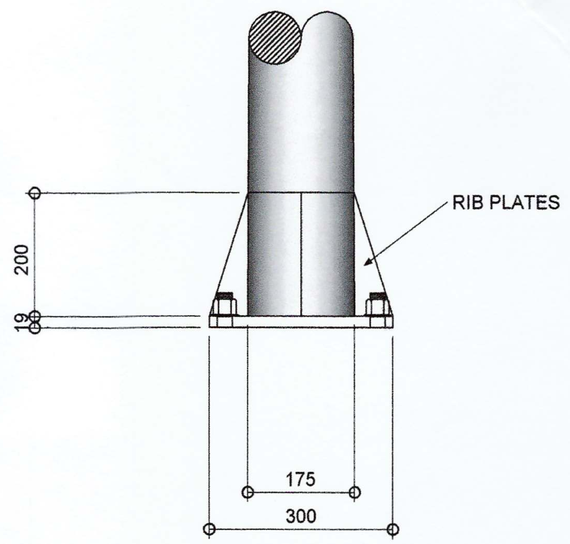


NOTE: ALL LIGHT POSTS LOCATED AT THE RC WHARF OR PIER.

06.2 SECTION VIEW
SCALE 1:25 METERS



06.5 BASE PLATE DETAIL (FOR DOUBLE ARM STREET LIGHT)
SCALE 1:10 METERS



06.6 BASE PLATE - STEEL PIPE CONNECTION DETAIL (FOR DOUBLE ARM STREET LIGHT)
SCALE 1:10 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT-A*	LARA SIMONE L. ABA *SENIOR ENGINEER A*	GARY LEE L. ANGHAG *ACTING ESD MANAGER*	ANALEE G. AGUILA *ACTING PORT MANAGER*

OWNER: ANALEE G. AGUILA, *ACTING PORT MANAGER*

SHEET CONTENTS: PLAN OF PEDESTAL COLUMN ALONG RC DECK CURB / SECTION VIEW / STEEL BRACKET DETAIL (FOR SINGLE & DOUBLE ARM) / SOLAR PANEL FRAMING DETAIL (FOR SINGLE & DOUBLE ARM STREET LIGHTS) / BASE PLATE DETAIL (FOR DOUBLE ARM STREET LIGHT) / BASE PLATE - STEEL PIPE CONNECTION DETAIL (FOR DOUBLE ARM STREET LIGHT)

PROJECT TITLE: REPAIR OF DAMAGED STREET LIGHTING SYSTEM AT PORTS OF BABAK, MATI, MACO AND TAGPOPONGAN

LOCATION: BABAK, IGACOS / MATI, DAVAO ORIENTAL / TAGPOPONGAN, IGACOS

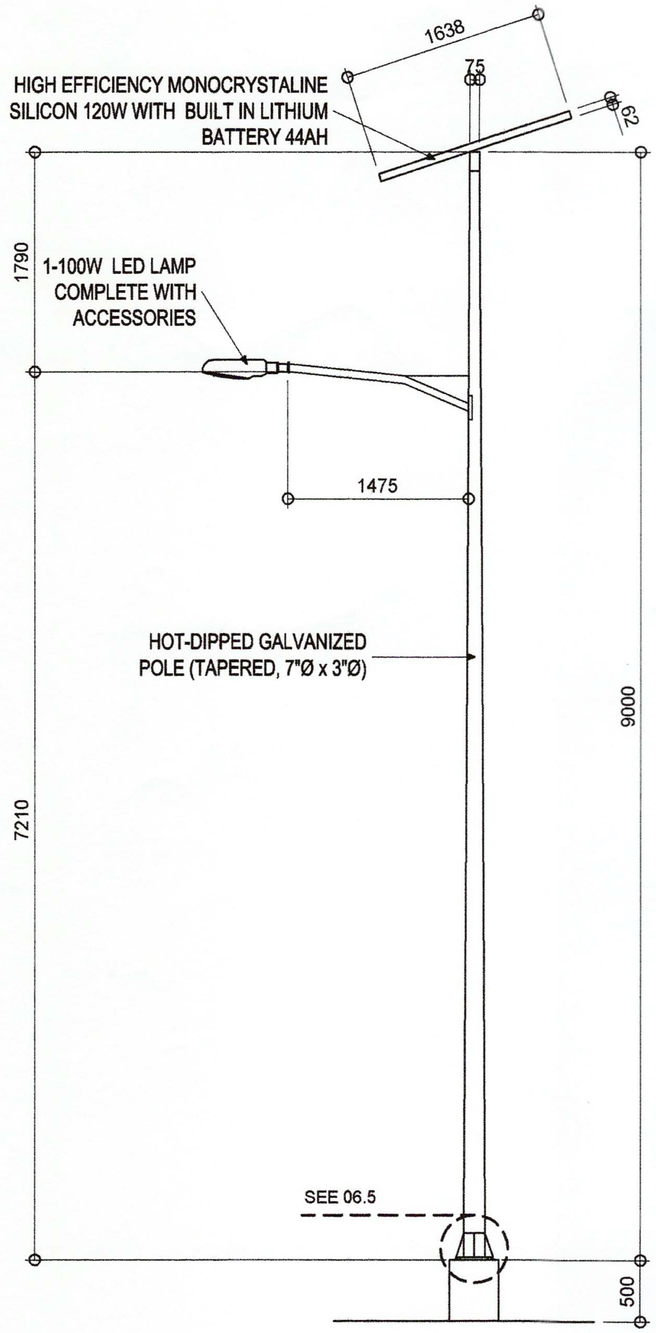
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ADDENDUM	NO.	-
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SHEET NO. 06 OF 08

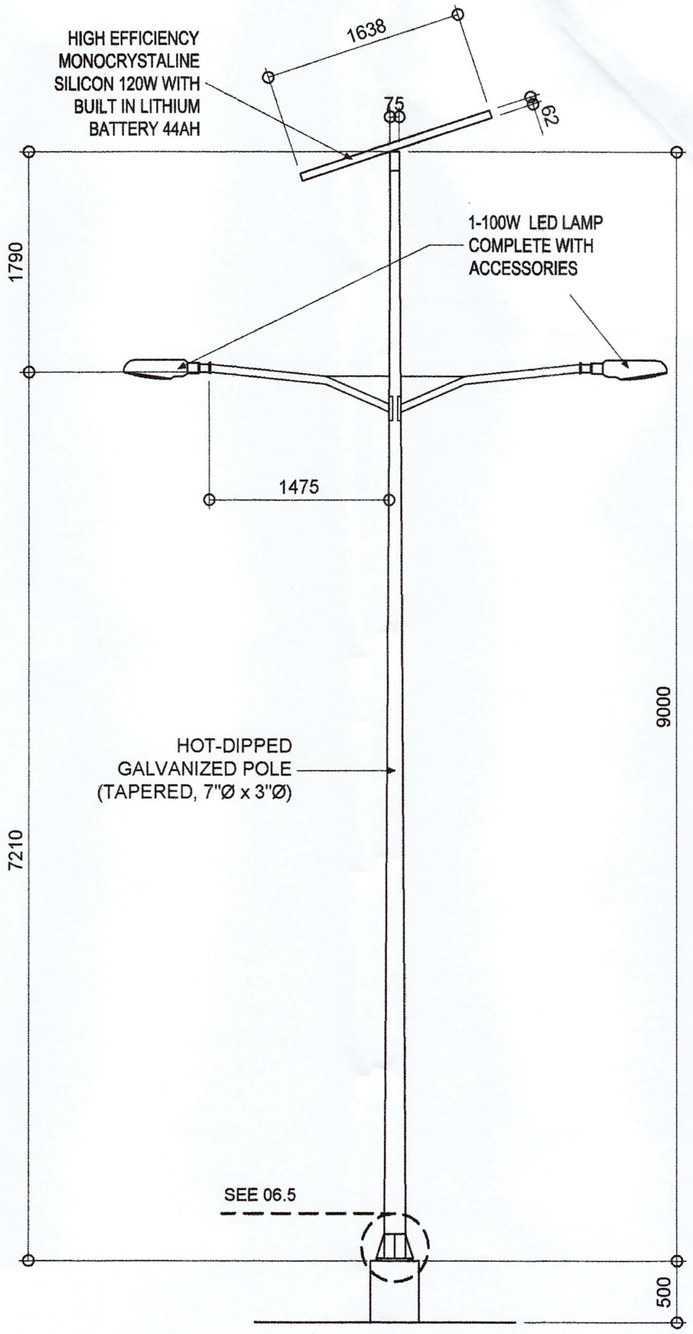
CADD BY VAJ
DATE DRAWN 3/8/18
DATE UPDATED MM/DD/YY

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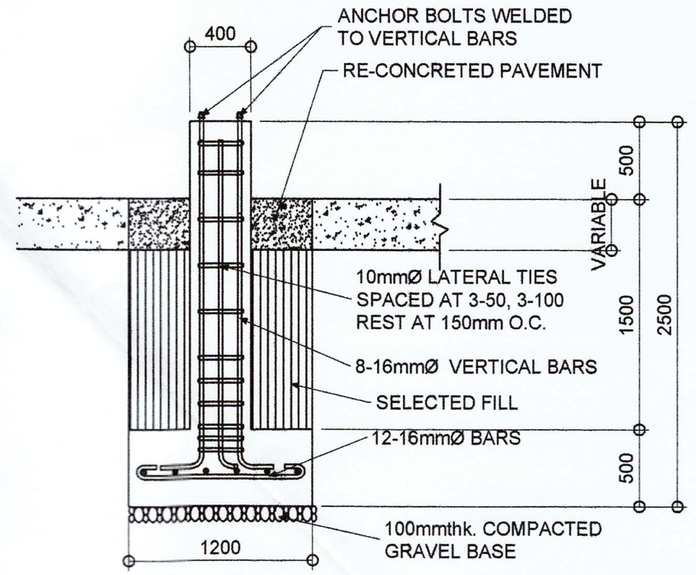
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05.1 SINGLE ARM SOLAR POWERED STREETLIGHT POLE ELEVATION
SCALE 1:50 METERS

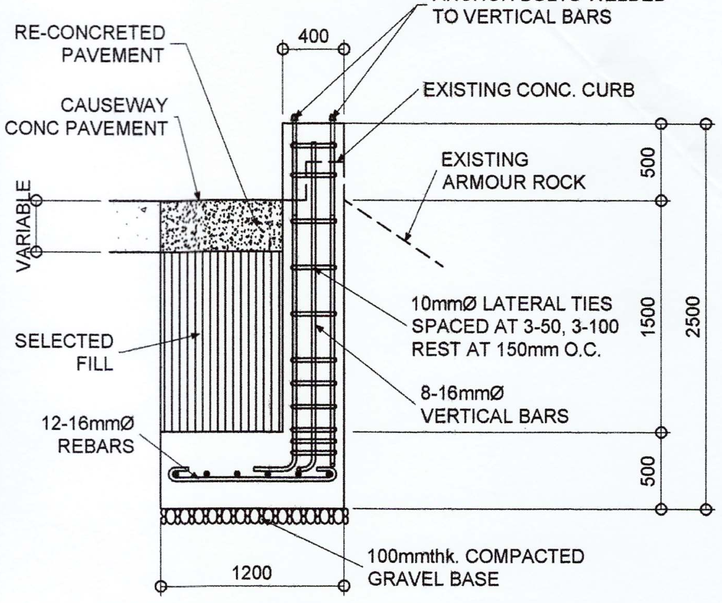


05.2 DOUBLE ARM SOLAR POWERED STREETLIGHT POLE ELEVATION
SCALE 1:50 METERS



NOTE: PEDESTAL COLUMN FOOTING AT LAND SIDE.

05.3 PEDESTAL COL. FTG. FOR SINGLE AND DOUBLE ARM LIGHT POST (PC1)
SCALE 1:40 METERS



NOTE: PEDESTAL COLUMN FOOTING ALONG RC CURB CAUSEWAY.

05.4 PEDESTAL COL. FTG. FOR SINGLE AND DOUBLE ARM LIGHT POST (PC2)
SCALE 1:40 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE, *ENGINEERING ASSISTANT–A*	LARA SIMONE L. ABA, *SENIOR ENGINEER A*	GARY LEE L. ANGHAG, *ACTING ESD MANAGER*	ANALEE G. AGUILA, *ACTING PORT MANAGER*

OWNER: ANALEE G. AGUILA, *ACTING PORT MANAGER*

SHEET CONTENTS: SINGLE ARM SOLAR POWERED STREETLIGHT POLE ELEVATION / DOUBLE ARM SOLAR POWERED STREETLIGHT POLE ELEVATION / PEDESTAL COL. FTG. FOR SINGLE AND DOUBLE ARM LIGHT POST (PC1) / PEDESTAL COL. FTG. FOR SINGLE AND DOUBLE ARM LIGHT POST (PC2)

PROJECT TITLE: REPAIR OF DAMAGED STREET LIGHTING SYSTEM AT PORTS OF BABAK, MATI, MACO AND TAGPOPONGAN

LOCATION: BABAK, IGACOS / MATI, DAVAO ORIENTAL / TAGPOPONGAN, IGACOS

REVISIONS	
DATE	REMARKS
ADDENDUM	
NO.	–
PROJECT	–
DATE	–
DRAWN	–

SHEET NO. 05 OF 08

CADD BY: VAJ
DATE DRAWN: 3/8/18
DATE UPDATED: MM/DD/YY

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SA–PF– SINGLE ARM SOLAR POWERED STREET LIGHTS ON PEDESTAL FOOTING

DA–PF– DOUBLE ARM SOLAR POWERED STREET LIGHTS ON PEDESTAL FOOTING

SA–RC– SINGLE ARM SOLAR POWERED STREET LIGHTS AT THE RC CURB

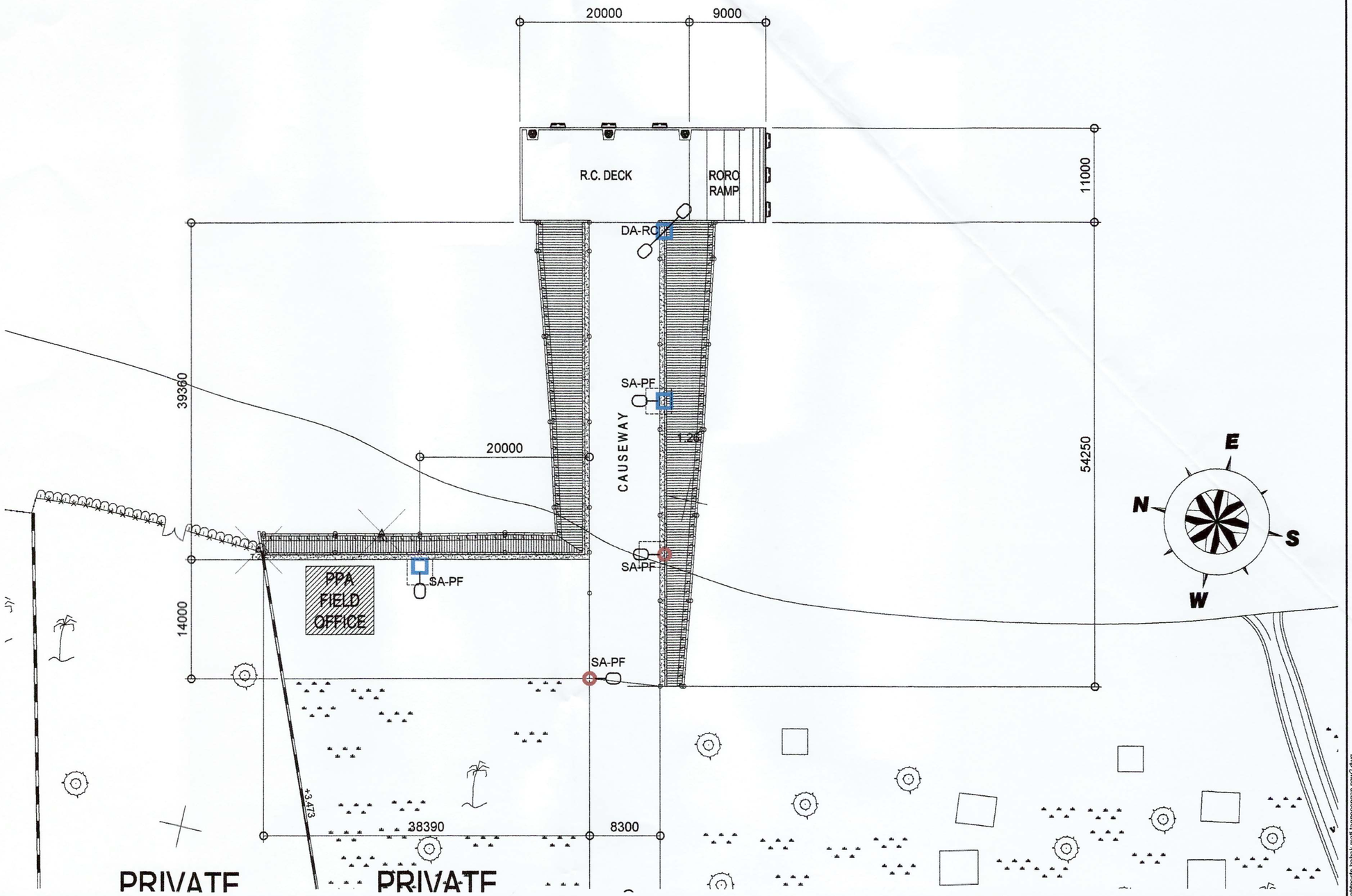
DA–RC– DOUBLE ARM SOLAR POWERED STREET LIGHTS AT THE RC CURB

– LOCATION OF EXISTING STREET LIGHTS TO BE REPLACED BY SOLAR POWERED LIGHTING SYSTEM

– ADDITIONAL NEW SOLAR POWERED STREET LIGHTS

DESCRIPTION	NO. OF UNITS
EXISTING SINGLE ARM STREET LIGHTS TO BE REPLACED BY SINGLE ARM SOLAR POWERED LIGHTING SYSTEM	2
NEW ADDITIONAL SINGLE ARM SOLAR POWERED STREET LIGHTS	2
NEW ADDITIONAL DOUBLE ARM SOLAR POWERED STREET LIGHTS	1

04.1 LEGEND
SCALE 1: NTS METERS



04.2 TABLE OF QUANTITIES
SCALE 1: NTS METERS

04.3 LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – TAGPOPONGAN PORT
SCALE 1: 500 METERS

PHILIPPINE PORTS AUTHORITY
PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	LARA SIMONE L. ABA *SENIOR ENGINEER A*	GARY LEE L. ANGHAG *ACTING ESD MANAGER*	ANALEE G. AGUILA *ACTING PORT MANAGER*

OWNER: ANALEE G. AGUILA, *ACTING PORT MANAGER*

SHEET CONTENTS: LEGEND / TABLE OF QUANTITIES / LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – TAGPOPONGAN PORT

PROJECT TITLE: REPAIR OF DAMAGED STREET LIGHTING SYSTEM AT PORTS OF BABAK, MATI, MACO AND TAGPOPONGAN

LOCATION: BABAK, IGACOS / MATI, DAVAO ORIENTAL / TAGPOPONGAN, IGACOS

REVISIONS	
DATE	REMARKS
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PROJECT	–
DATE	–
DRAWN	–

SHEET NO. 04 OF 08

CADD BY: VAJ
DATE DRAWN: 3/8/16
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SA–PF– SINGLE ARM SOLAR POWERED STREET LIGHTS ON PEDESTAL FOOTING

DA–PF– DOUBLE ARM SOLAR POWERED STREET LIGHTS ON PEDESTAL FOOTING

SA–RC– SINGLE ARM SOLAR POWERED STREET LIGHTS AT THE RC CURB

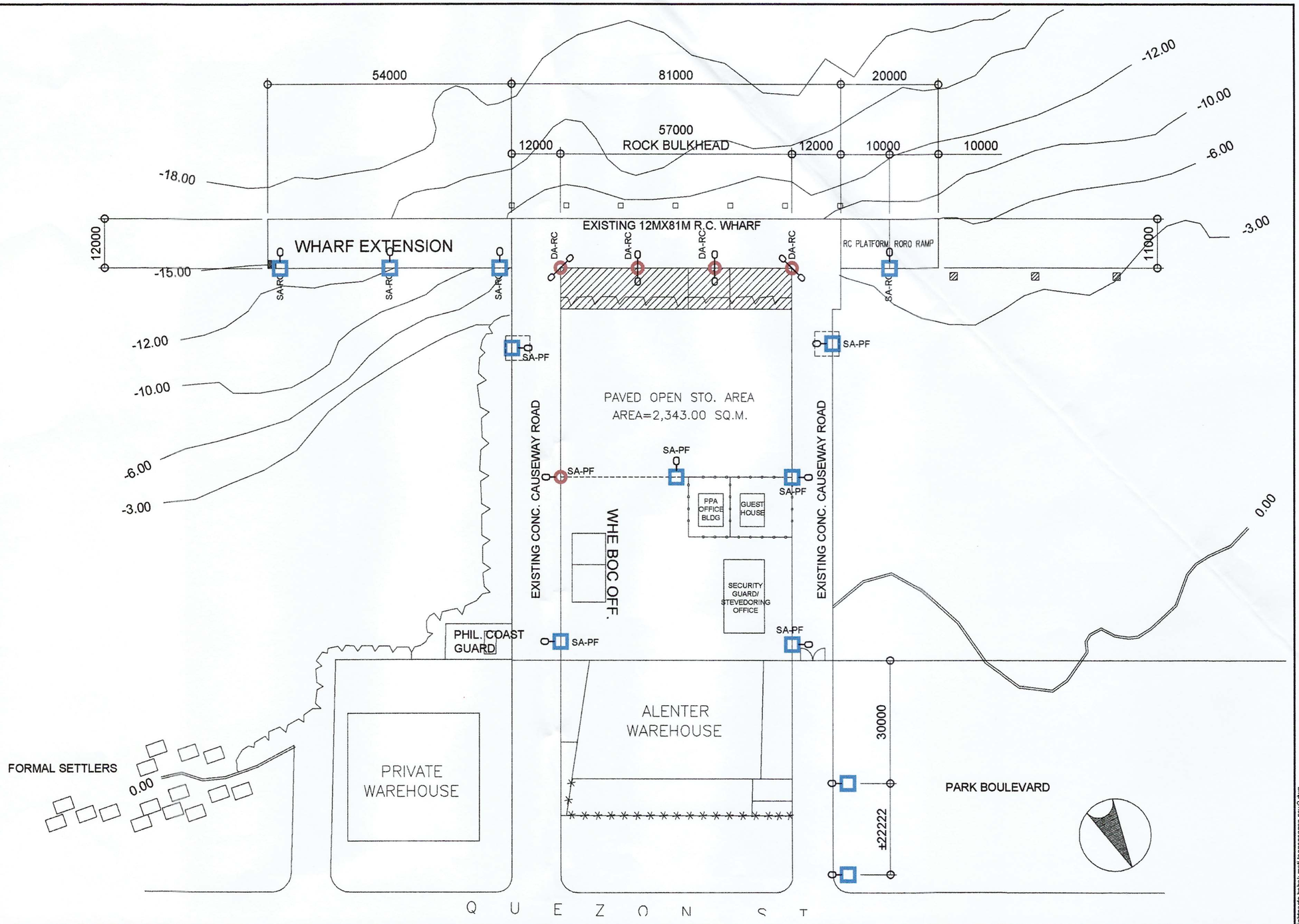
DA–RC– DOUBLE ARM SOLAR POWERED STREET LIGHTS AT THE RC CURB

○ – LOCATION OF EXISTING STREET LIGHTS TO BE REPLACED BY SOLAR POWERED LIGHTING SYSTEM

□ – ADDITIONAL NEW SOLAR POWERED STREET LIGHTS

03.1 LEGEND
SCALE 1: NTS METERS

DESCRIPTION	NO. OF UNITS
EXISTING SINGLE ARM STREET LIGHTS TO BE REPLACED BY SINGLE ARM SOLAR POWERED LIGHTING SYSTEM	1
EXISTING DOUBLE ARM STREET LIGHTS TO BE REPLACED BY DOUBLE ARM SOLAR POWERED LIGHTING SYSTEM	4
NEW ADDITIONAL SINGLE ARM SOLAR POWERED STREET LIGHTS	12



03.2 TABLE OF QUANTITIES
SCALE 1: NTS METERS

03.3 LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – MATI PORT
SCALE 1: 1000 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE, *ENGINEERING ASSISTANT–A*	LARA SIMONE L. ABA, *SENIOR ENGINEER A*	GARY LEE L. ANGHAG, *ACTING ESD MANAGER*	ANALEE G. AGUILA, *ACTING PORT MANAGER*

OWNER: ANALEE G. AGUILA, *ACTING PORT MANAGER*

SHEET CONTENTS: LEGEND / TABLE OF QUANTITIES / LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – MATI PORT

PROJECT TITLE: REPAIR OF DAMAGED STREET LIGHTING SYSTEM AT PORTS OF BABAK, MATI, MACO AND TAGPOPONGAN

LOCATION: BABAK, IGACOS / MATI, DAVAO ORIENTAL / TAGPOPONGAN, IGACOS

REVISIONS	
DATE	REMARKS
	ADDENDUM
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PROJECT	--
DATE	--
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SHEET NO. 03 OF 08

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DATE DRAWN 3/8/18
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SA–PF– SINGLE ARM SOLAR POWERED STREET LIGHTS ON PEDESTAL FOOTING

DA–PF– DOUBLE ARM SOLAR POWERED STREET LIGHTS ON PEDESTAL FOOTING

SA–RC– SINGLE ARM SOLAR POWERED STREET LIGHTS AT THE RC CURB

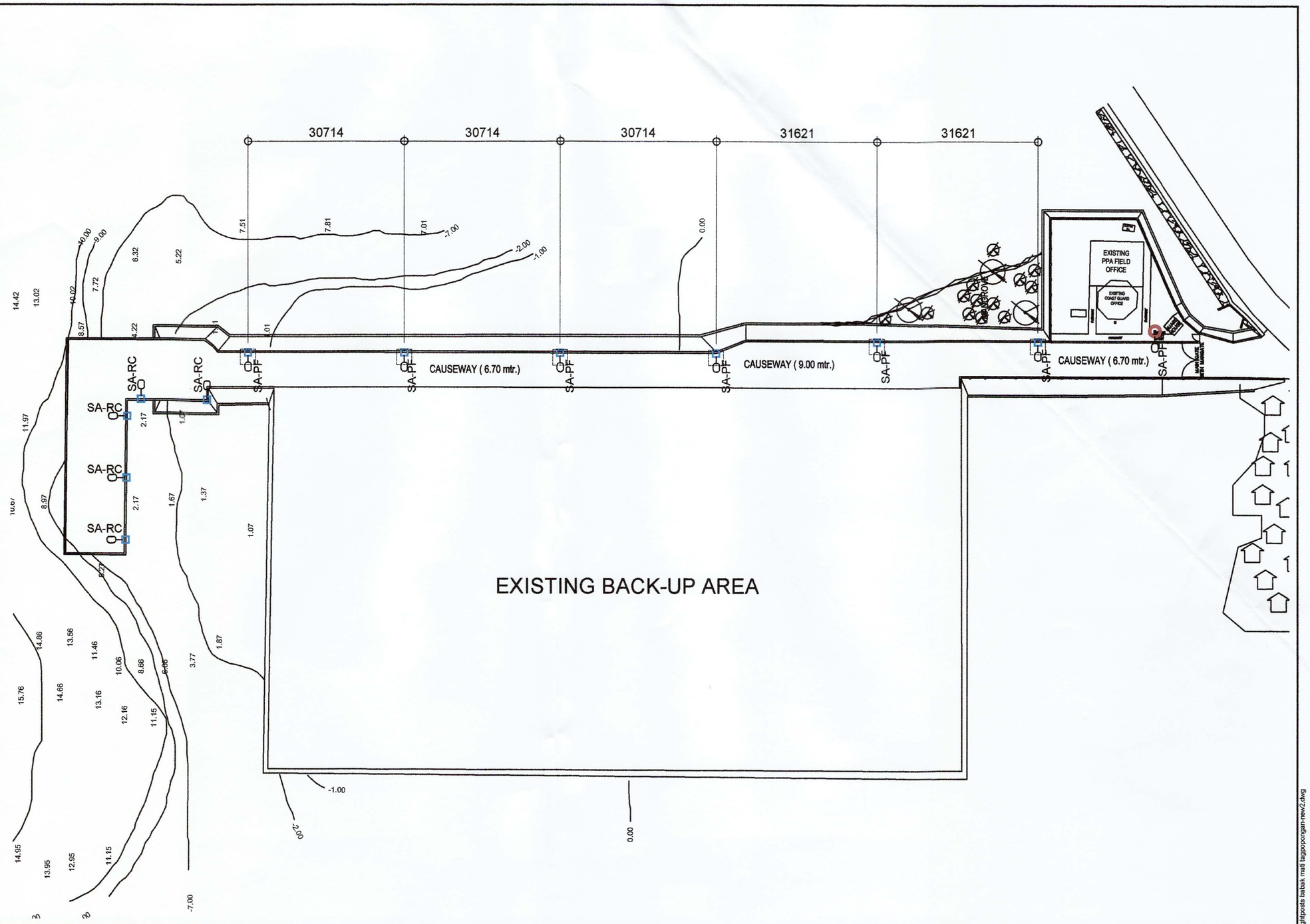
DA–RC– DOUBLE ARM SOLAR POWERED STREET LIGHTS AT THE RC CURB

○ – LOCATION OF EXISTING STREET LIGHTS TO BE REPLACED BY SOLAR POWERED LIGHTING SYSTEM

□ – ADDITIONAL NEW SOLAR POWERED STREET LIGHTS

02.1 **LEGEND**
SCALE 1: NTS METERS

DESCRIPTION	NO. OF UNITS
EXISTING SINGLE ARM STREET LIGHTS TO BE REPLACED BY SINGLE ARM SOLAR POWERED LIGHTING SYSTEM	1
NEW ADDITIONAL SINGLE ARM SOLAR POWERED STREET LIGHTS	11



02.2 **TABLE OF QUANTITIES**
SCALE 1: NTS METERS

02.3 **LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – MACO PORT**
SCALE 1: 800 METERS

PHILIPPINE PORTS AUTHORITY
PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE *ENGINEERING ASSISTANT–A*	LARA SIMONE L. ABA *SENIOR ENGINEER A*	GARY LEE L. ANCHAG *ACTING ESD MANAGER*	ANALEE G. AGUILA *ACTING PORT MANAGER*

OWNER: ANALEE G. AGUILA, *ACTING PORT MANAGER*

SHEET CONTENTS: LEGEND / TABLE OF QUANTITIES / LOCATION PLAN OF SOLAR POWERED STREET LIGHTING SYSTEM – MACO PORT

PROJECT TITLE: REPAIR OF DAMAGED STREET LIGHTING SYSTEM AT PORTS OF BABAK, MATI, MACO AND TAGPOPONGAN

LOCATION: BABAK, IGACOS / MATI, DAVAO ORIENTAL / TAGPOPONGAN, IGACOS

REVISIONS		
NO.	DATE	REMARKS
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ADDENDUM		
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PROJECT –
DATE –
DRAWN –

SHEET NO. 02 OF 08

CADD BY VAJ
DATE DRAWN 3/8/18
DATE UPDATED MM/DD/YY

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