



Republic of the Philippines
CITY GOVERNMENT OF SAN CARLOS
Province of Negros Occidental

**BIDS AND AWARDS COMMITTEE
(BAC)**

BIDDING DOCUMENTS

FOR

PURCHASE REQUEST NO. 18-25-04-0668

APPROVED BUDGET OF THE CONTRACT (ABC): P 12,746,000.00

**SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION,
BRGY. GUADALUPE, SAN CARLOS CITY, NEGROS OCCIDENTAL**

WITH TERMS OF REFERENCE (TOR) AND PROJECT PLAN

(First Envelope: Eligibility and Technical Components)

SUBMITTED BY :
ADDRESS :
CONTACT NO. :
EMAIL AD :

DATE OF SUBMISSION

INSTRUCTIONS TO BIDDERS

1. Please submit sets of documents completely in two separate envelopes:
The *First Envelope (Original, Copy 1 and Copy 2)* containing Eligibility and Technical documents
The *Second Envelope (Original, Copy 1 and Copy 2)* containing Financial documents.
2. Check that all annexes are in accordance with the prescribed format and submit in chronological order.
Non-compliance is ground for disqualification.
3. Submit your completed bid documents on or before the time of the opening of bids mentioned below.
4. Electronic submission and receipt of bids is not available pending compliance with GPPB Resolutions.

Compliance of the above is for mutual advantage, i.e. to facilitate a complete and thorough evaluation of your bid documents.

SCHEDULES

Schedule/Place of Rebidding

JUNE 24, 2025 @ 1:30 PM

BAC Secretarial Office
2F City Hall Building

Nonrefundable fee of Bidding Documents @ ₱ 25,000.00

**Bid and Awards Committee
City of San Carlos**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

- X-X

**Bid and Awards Committee
City of San Carlos**

**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

- 1. PHILGEPS (CERTIFICATE OF REGISTRATION AND MEMBERSHIP IN
ACCORDANCE WITH SECTION 8.5.2 OF R.A 9184 –
PLATINUM MEMBERSHIP**



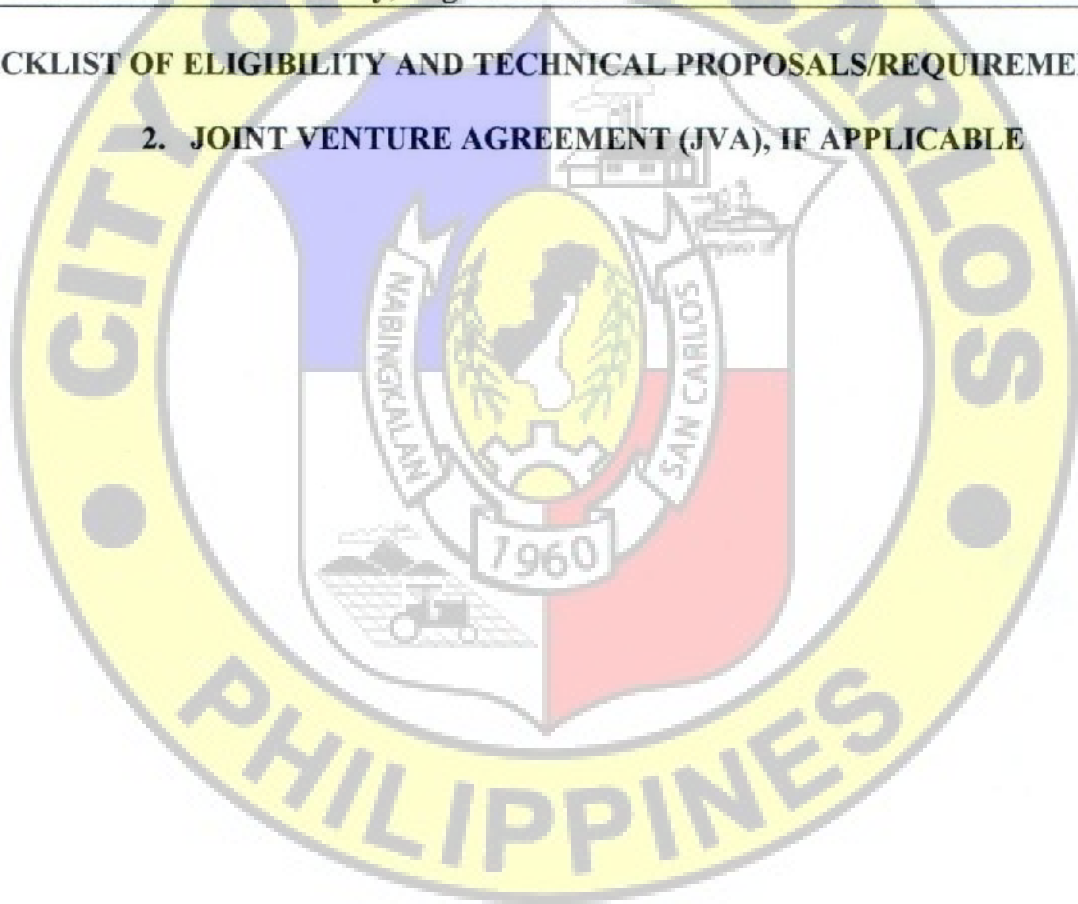
**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

2. JOINT VENTURE AGREEMENT (JVA), IF APPLICABLE



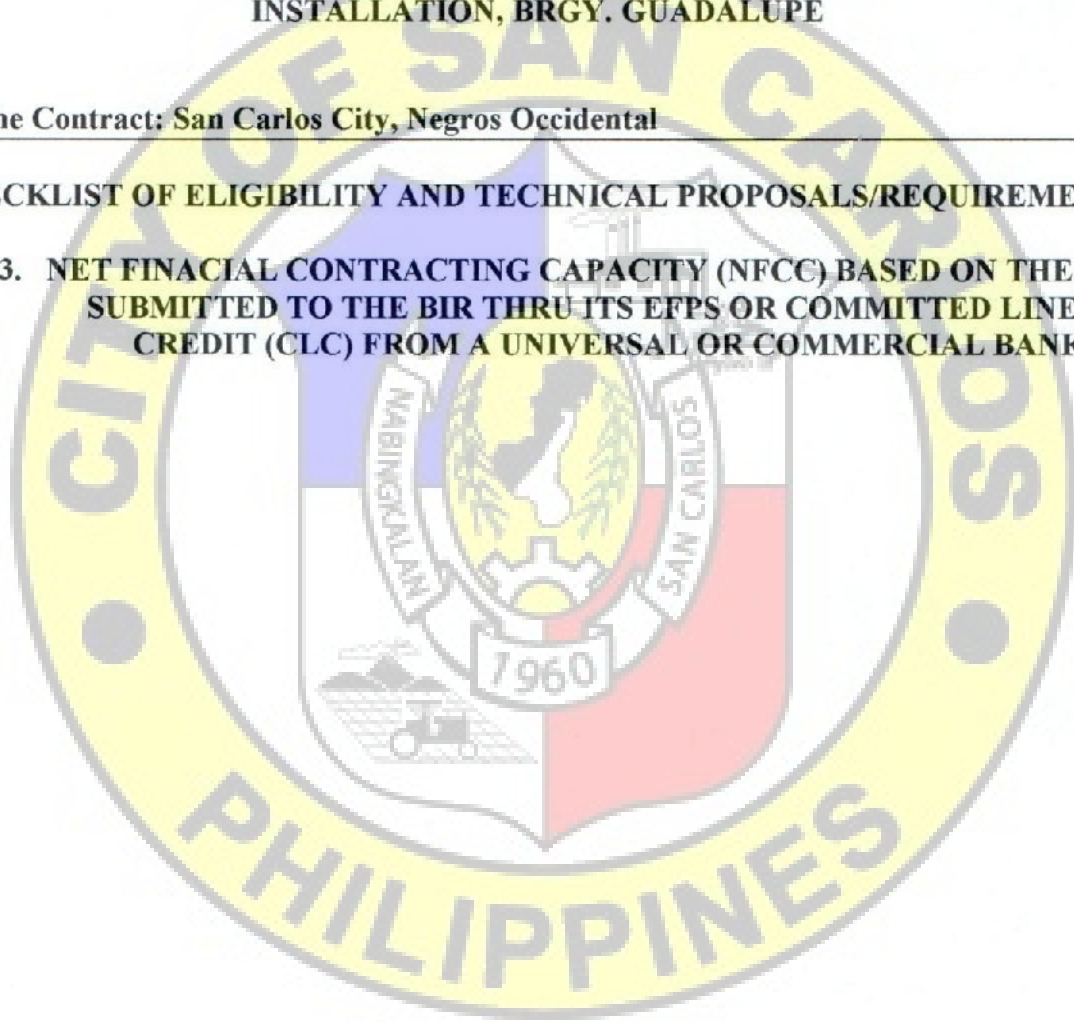
**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

- 3. NET FINACIAL CONTRACTING CAPACITY (NFCC) BASED ON THE DATA
SUBMITTED TO THE BIR THRU ITS EFPS OR COMMITTED LINE OF
CREDIT (CLC) FROM A UNIVERSAL OR COMMERCIAL BANK**



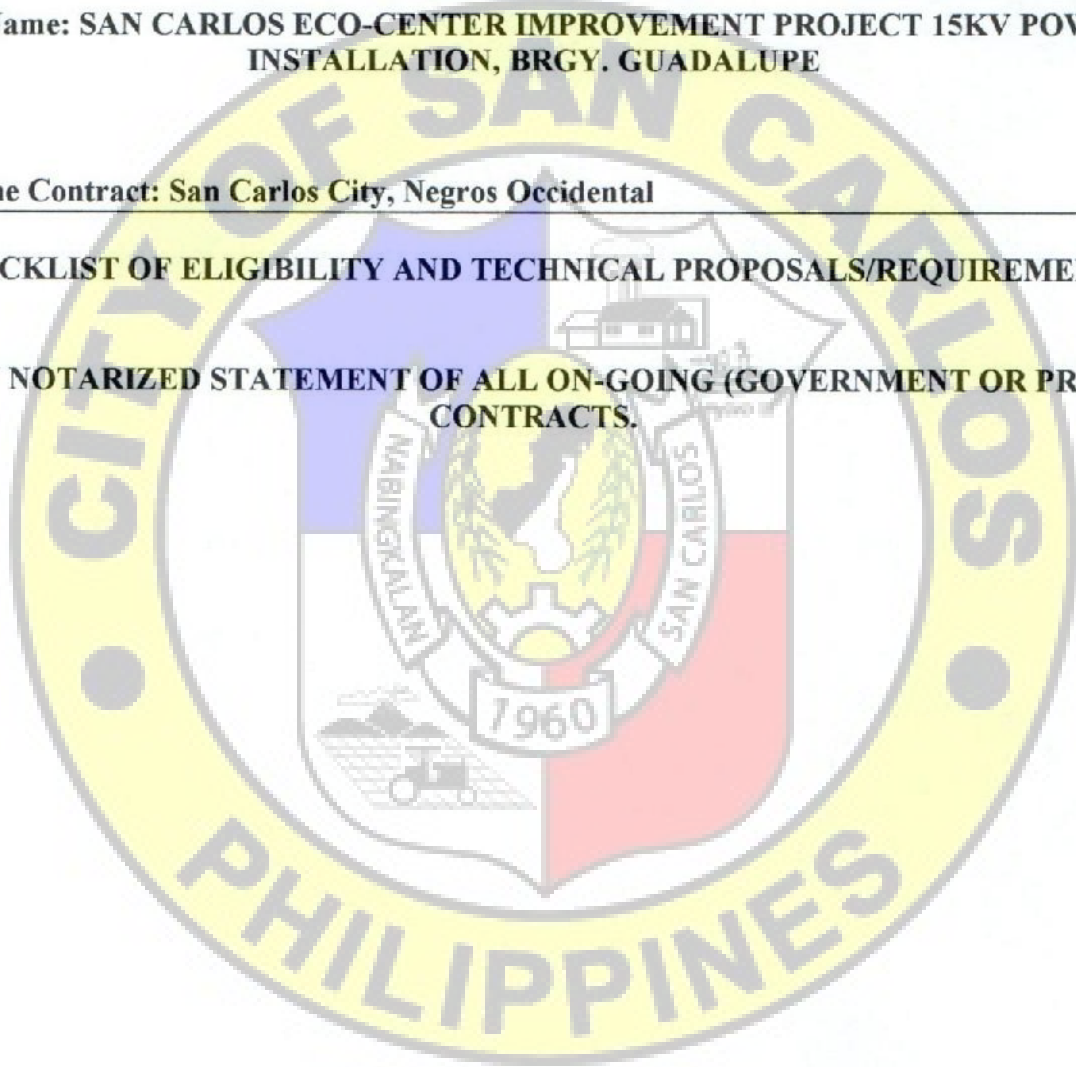
**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

**4. DULY NOTARIZED STATEMENT OF ALL ON-GOING (GOVERNMENT OR PRIVATE)
CONTRACTS.**



**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

5. DULY NOTARIZED STATEMENTS OF:

- A. AT LEAST ONE (1) COMPLETED SIMILAR CONTRACTS (GOVERNMENT OR PRIVATE)
FOR THE LAST FIVE (5) YEARS**
- B. SINGLE LARGEST COMPLETED CONTRACT (SLCC) AT LEAST 50% OF THE ABC**

Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental

Contract Name: **SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: **San Carlos City, Negros Occidental**

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

6. PROJECT REQUIREMENTS

- Organizational Chart for the Contract to be Bid
- List of Contractor's Personnel (**Registered Electrical Engineer, Skilled Laborer, Manual Laborer**), to be assigned to the contract to be bid, with their complete qualification and experience data
- Duly notarized Affidavit of Site Inspection (Please see attached Form)

Name of the Procuring Entity

Contract Reference Number
Name of the Contract
Location of the Contract

Standard Form Number: SF-INR-51
Revised on: August 11, 2004

AFFIDAVIT OF SITE INSPECTION

I, (Representative of the Bidder), of legal age, civil status, Filipino and residing at (Address of the Representative), under oath, hereby depose and say:

- That I am the (Position of the Bidder) of the (Name of the Bidder), with office at (Address of the Bidder);
- That I have inspected the site for (Name of Contract), located at (Location of the Contract);
- That I am making this stamen as part of the requirement for the Technical Proposal of the (Name of the Bidder) for (Name of the Contract).

IN FAITH WHEREOF, I hereby affix my signature this _____ day of _____, 20____ at _____, Philippines.

AFFIANT

SUBSCRIBED AND SWORN TO before me this _____ day of _____, 20____, affiant exhibiting to me his/ her Community Tax Certificate No. _____ issued on _____ at _____, Philippines.

(Notary Public)

Until _____
PTR No. _____
Date _____
Place _____
TIN _____

Document No. _____
Page No. _____
Book No. _____
Series of _____

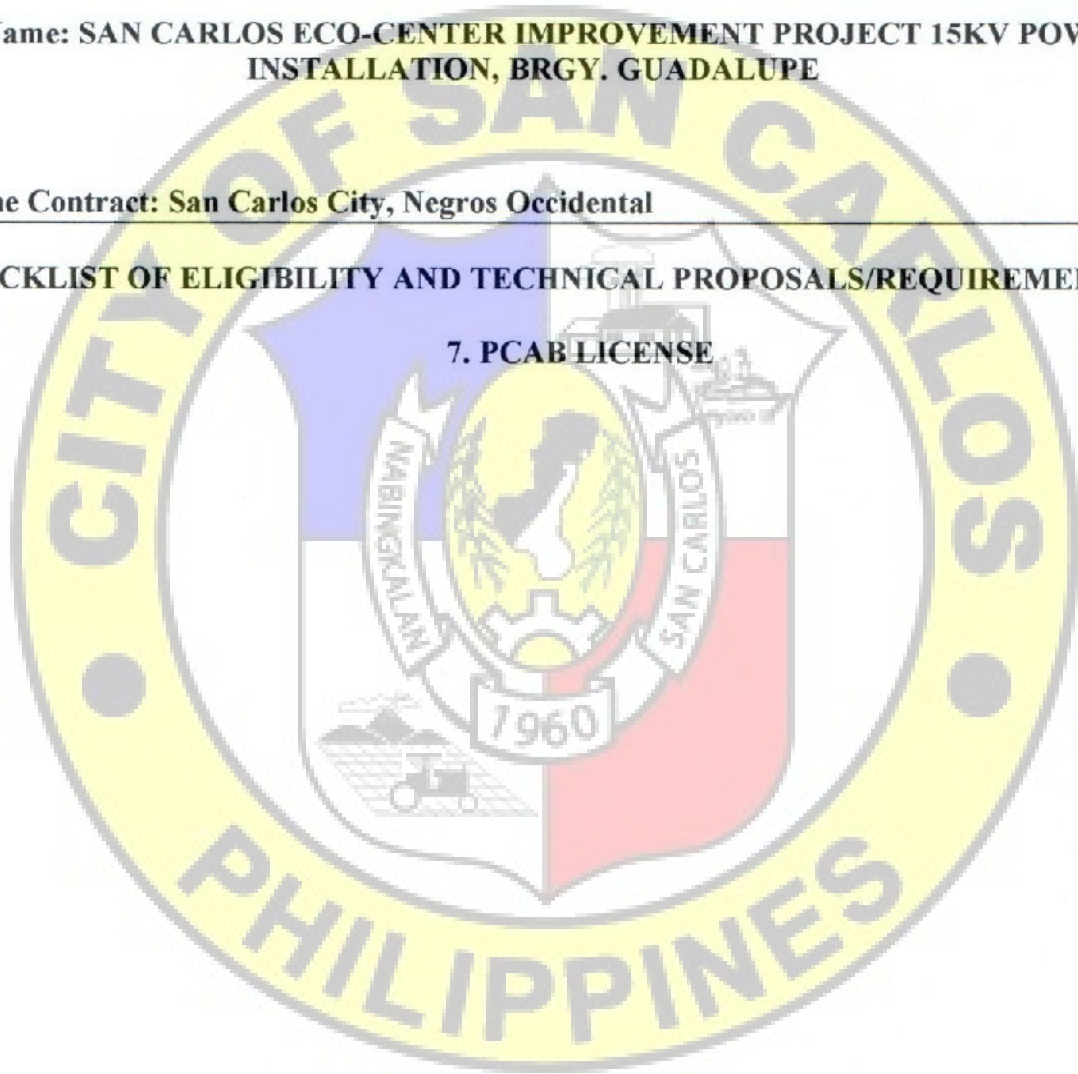
**Republic of the Philippines
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**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

7. PCAB LICENSE



Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental

Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

8. BID SECURITY IN ANY OF THE FOLLOWING FORMS:

- a. Cash or Cashier's Check or Manager's Check issued by a Universal or Commercial Bank in favor of City Treasurer of San Carlos City (Two percent (2%) of the ABC)
- b. Bank draft/ guarantee or Irrevocable Letter of Credit issued by a Universal or Commercial Bank ; provided , however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank, (Two percent (2%) of the ABC)
- c. Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance commission as authorized to issue such authority;(Five percent (5%) of the ABC)
- d. Any combination of the foregoing (Proportionate to share form with respect to total amount of security)
- e. Bid Securing Declaration

REPUBLIC OF THE PHILIPPINES)
CITY OF SAN CARLOS, NEGROS OCCIDENTAL) S.S.

BID SECURING DECLARATION

Project Identification No. / Purchase Request (PR) No. : 18-25-04-0668

To: [Insert name and address of the Procuring Entity]

I/ We, the undersigned, declare that:

1. I/ We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/ We accept that: (a) I/ We will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting order; and 9b) I/ We will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Section 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/ We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/ We are declared ineligible or post- disqualified upon receipt of your notice to such effect, and (i) I / We failed to timely file a request for reconsideration or (ii) I/ We filed a waiver to avail of said right; and
 - c. I am/ We are declared the bidder with the Lowest Calculated Responsive Bid, and I/ We have furnished the performance security and signed the Contract.

IN WITNESS THEREOF, I/ We have hereunto set my/ our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental

Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

9. OMNIBUS SWORN STATEMENT IN ACCORDANCE WITH SEC. 25.3

Purchase Request (PR) No. 18-25-04-0668

REPUBLIC OF THE PHILIPPINES)

CITY OF SAN CARLOS, NEGROS OCCIDENTAL) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. [Select one, delete the other:]

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. [Select one, delete the other:]

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. [Select one, delete the rest:]

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of __, 20__ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]



Republic of the Philippines
CITY GOVERNMENT OF SAN CARLOS
Province of Negros Occidental

**BIDS AND AWARDS COMMITTEE
(BAC)**

BIDDING DOCUMENTS

FOR

PURCHASE REQUEST NO. 18-25-04-0668

APPROVED BUDGET OF THE CONTRACT (ABC): P 12,746,000.00

**SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION,
BRGY. GUADALUPE, SAN CARLOS CITY, NEGROS OCCIDENTAL**

WITH TERMS OF REFERENCE (TOR) AND PROJECT PLAN

(Second Envelope: Financial Components)

SUBMITTED BY : _____
ADDRESS : _____
CONTACT NO. : _____
EMAIL AD : _____

DATE OF SUBMISSION

INSTRUCTIONS TO BIDDERS

1. Please submit sets of documents completely in two separate envelopes:
The *First Envelope (Original, Copy 1 and Copy 2)* containing Eligibility and Technical documents
The *Second Envelope (Original, Copy 1 and Copy 2)* containing Financial documents.
2. Check that all annexes are in accordance with the prescribed format and submit in chronological order.
Non-compliance is ground for disqualification.
3. Submit your completed bid documents on or before the time of the opening of bids mentioned below.
4. Electronic submission and receipt of bids is not available pending compliance with GPPB Resolutions.

Compliance of the above is for mutual advantage, i.e. to facilitate a complete and thorough evaluation of your bid documents.

SCHEDULES

Schedule/Place of Rebidding

JUNE 24, 2025 @ 1:30 PM

BAC Secretarial Office

2F City Hall Building

Nonrefundable fee of Bidding Documents @ ₱ 25,000.00

**Bid and Awards Committee
City of San Carlos**

[illegible]

Location of the Contract: Barangay Guadalupe, San Carlos City, Negros Occidental

1. Duly Signed Form of Bid
2. Duly Signed Bid Price in the Bill of Quantities (BOQ) containing the total bid amount
3. Duly Signed Detailed Estimates
4. Duly Signed Cash flow by Quarter and Payment Schedule

X-X

Bid and Awards Committee

**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION**

Location of the Contract: Barangay Guadalupe, San Carlos City, Negros Occidental

1. DULY SIGNED FORM OF BID

Date : _____

Project Identification / Purchase Request No. : 18-25-04-0668

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the *[Name of Project]* of the *[Name of the Procuring Entity]*.
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental

Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION

Location of the Contract: Barangay Guadalupe, San Carlos City, Negros Occidental

PURCHASE REQUEST NO. 18-25-04-0668

2. DULY SIGNED BID PRICE IN THE BILL OF QUANTITIES (BOQ)

BILL OF QUANTITIES					
(Columns (1), (2) and (3) are to be filled up by the Procuring Entity)			(Columns (4) and (5) are to be filled up by the Bidder)		
	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
	(1)	(2)	(3)	(4)	(5)
I	Mobilization/Demobilization	Lot	1.0	In words: Pesos	In words: Pesos
				In figures: PHP	In figures: PHP
II	Medium Voltage Construction	Lin.m.	950.0	In words: Pesos	In words: Pesos
				In figures: PHP	In figures: PHP
III	Wires and Cables	Lin.m.	450.0	In words: Pesos	In words: Pesos
				In figures: PHP	In figures: PHP
IV	Conduits and Boxes	Lin.m.	450.0	In words: Pesos	In words: Pesos
				In figures: PHP	In figures: PHP
V	Panel Board, LVSG & ATS	Lot	1	In words: Pesos	In words: Pesos
				In figures: PHP	In figures: PHP
VI	Metering	Lot	1	In words: Pesos	In words: Pesos
				In figures: PHP	In figures: PHP
VII	Steel Works	Lot	1	In words: Pesos	In words: Pesos
				In figures: PHP	In figures: PHP
VIII	Transformer	Lot	1	In words: Pesos	In words: Pesos
				In figures: PHP	In figures: PHP
IX	Grounding System	Lot	1	In words: Pesos	In words: Pesos
				In figures: PHP	In figures: PHP

X	Vehicle Equipment Safety	Lot	1	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____
XI	Powerhouse	Sq.m.	48.0	In words: Pesos _____ In figures: PHP _____	In words: Pesos _____ In figures: PHP _____
				TOTAL BID COST	In words: PHP _____ _____ _____ _____
					In figures: PHP _____ _____ _____ _____

Submitted by:

Name of the Representative of the Bidder

Position

Name of the Bidder Company

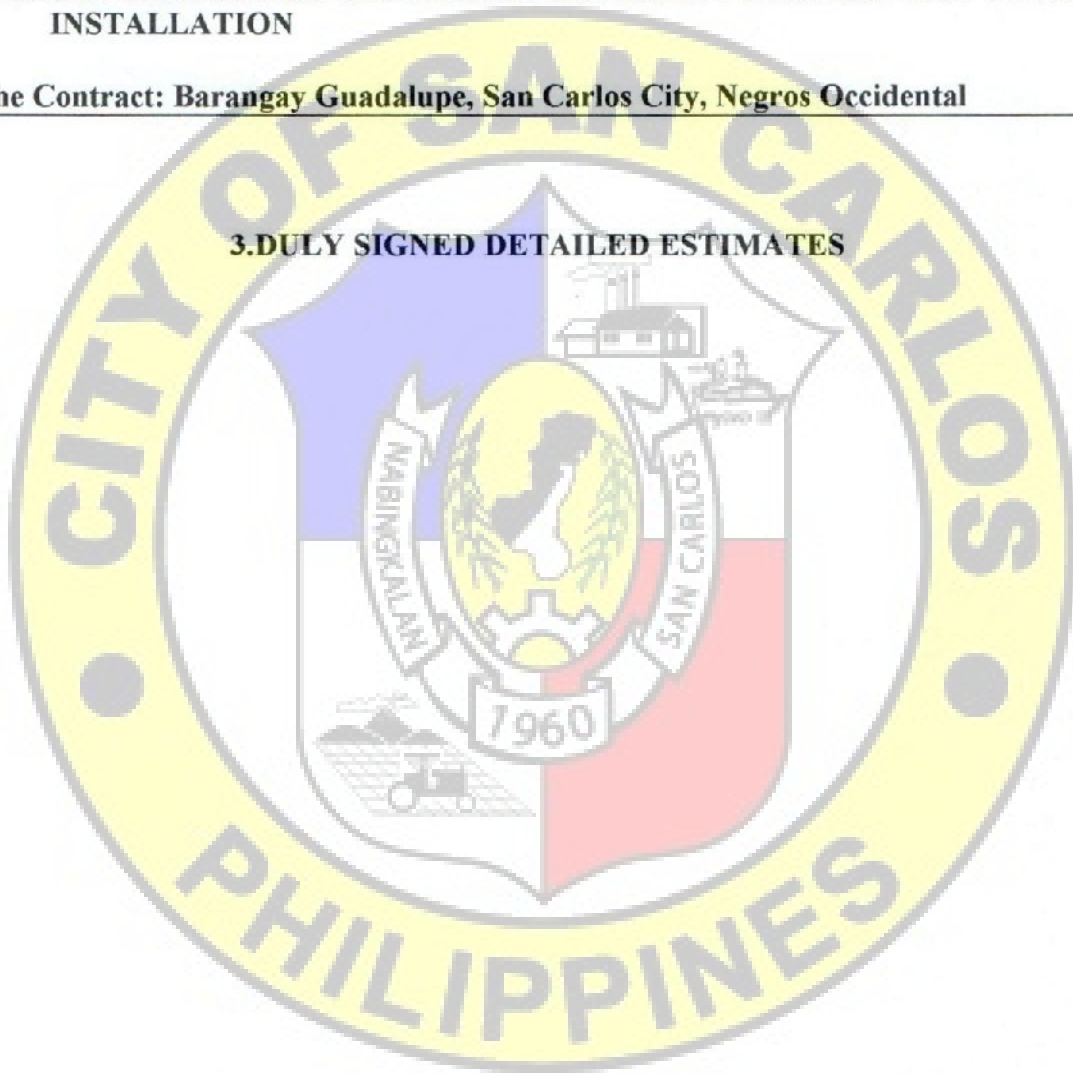


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**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION**

Location of the Contract: Barangay Guadalupe, San Carlos City, Negros Occidental

3.DULY SIGNED DETAILED ESTIMATES

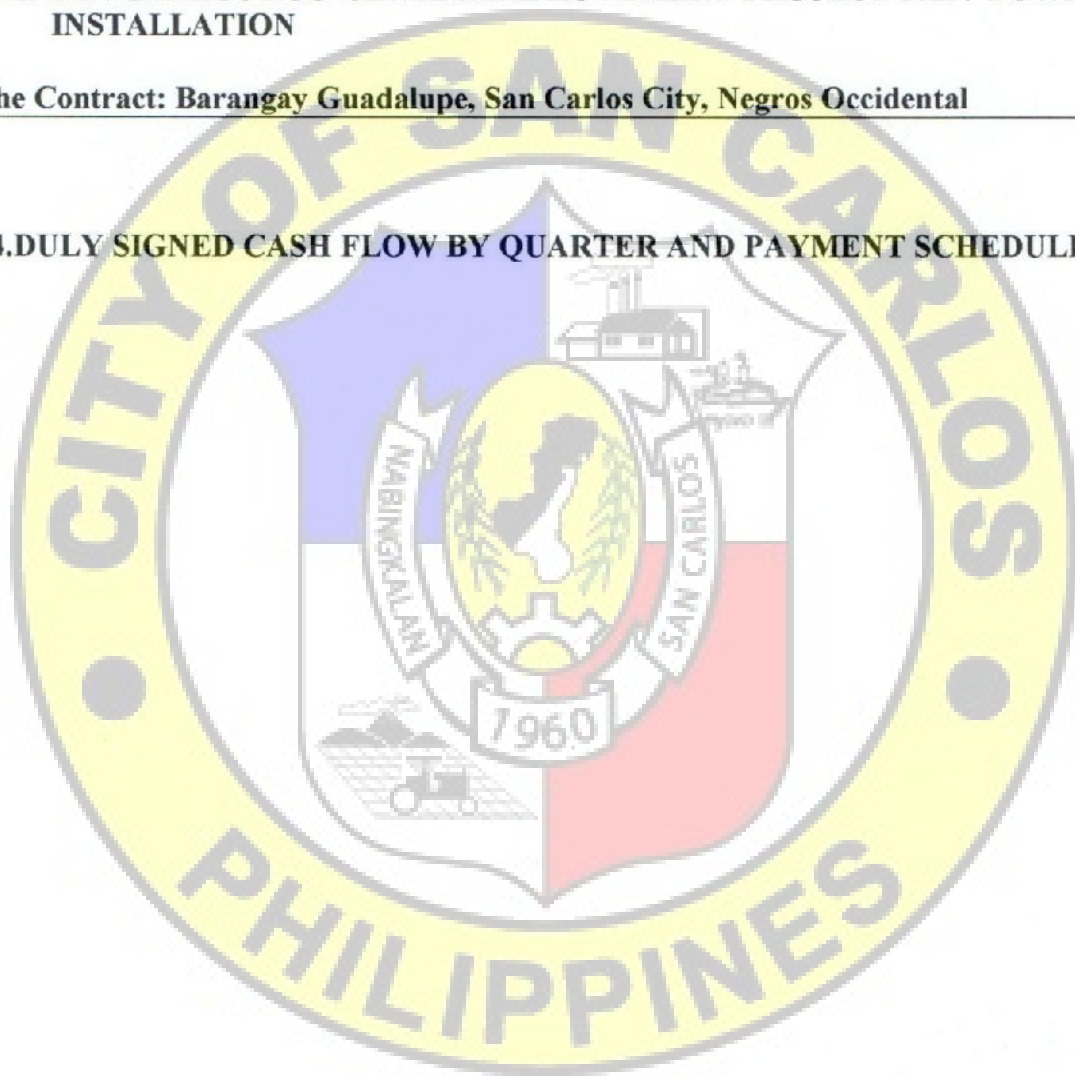


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4.DULY SIGNED CASH FLOW BY QUARTER AND PAYMENT SCHEDULE



APPROVAL PAGE

**SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

(P 12,746,000.00)

TERMS OF REFERENCE

City of San Carlos
Province of Negros Occidental

Prepared by:

John Lear C. Virtucio

Engineer I

Reviewed by:

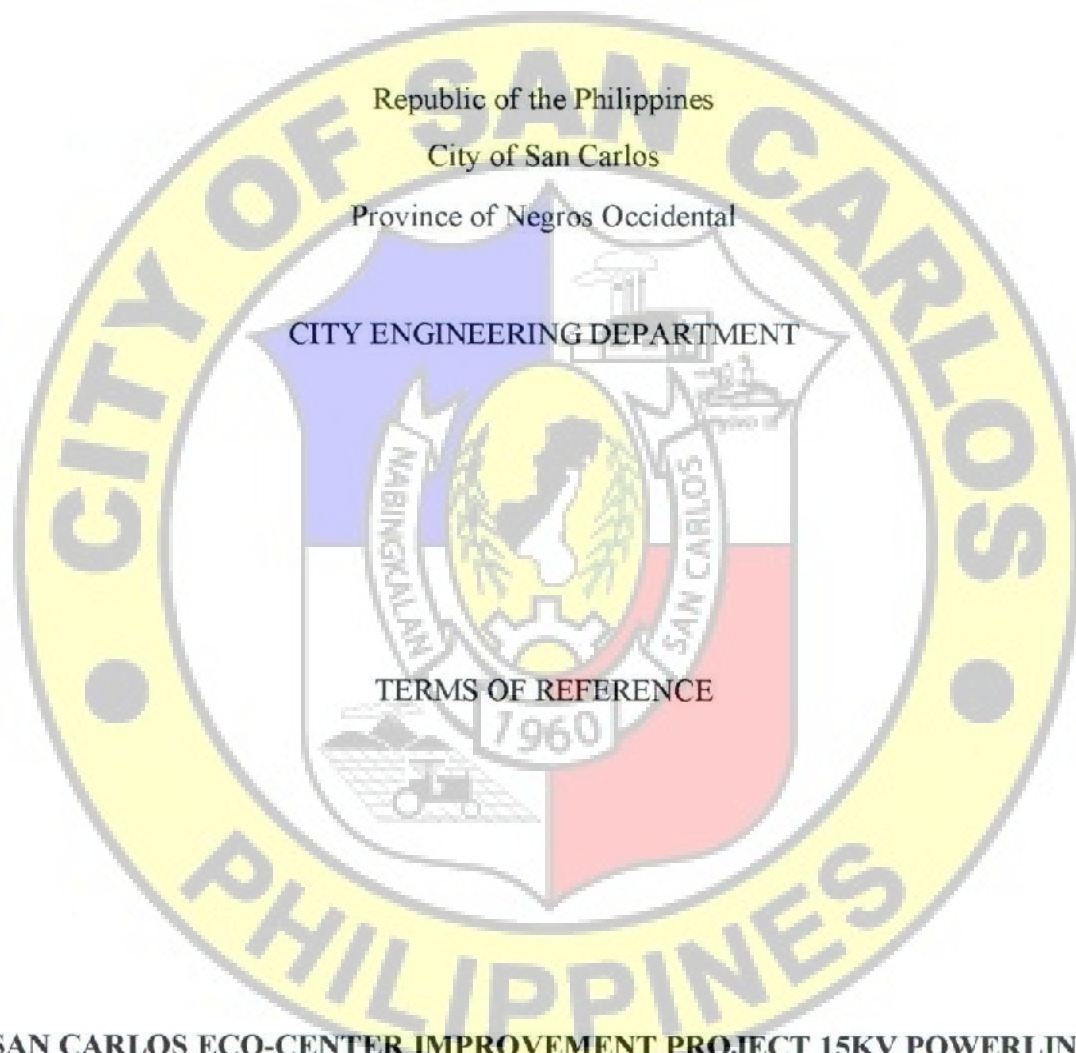
Rexter E. Nemenzo

CGDH I - City Engineer

Approved by:

Renato Y. Gastillo

City Mayor



Republic of the Philippines

City of San Carlos

Province of Negros Occidental

CITY ENGINEERING DEPARTMENT

TERMS OF REFERENCE

**SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

(P 12,746,000.00)

TABLE OF CONTENTS

A. Background	4
B. General Objective	4
C. The Bidder/Contractor	4
D. The Requirements	5
E. Materials Specifications	6
F. Delivery/Completion	10
G. Manpower Requirement	10
H. Warranty	10
I. Payment Scheme	10

A. Background

In -2024, the Integrated Waste Management/Pollution Control Division of the City Environment Management Office (CEMO) proposed acquiring advanced equipment, including an Advanced Waste Solution Equipment with Pollution Control Device, Plastic Shredder, Plastic Extruder with Environmental Pollution Control Device, Glass Pulverizer, Hollow Block Machine, and Mortar Mixer. This initiative aligns with the Ecological Solid Waste Management Act of 2000 (R.A. 9003), aiming to enhance the city's solid waste management.

To ensure the safe operation of these machines, it is necessary to Install a Powerline that is compatible to the required power supply for the protection of the equipment. This project will strengthen the city's waste management system and contribute to environmental sustainability.

B. General Objectives

The primary objectives of the project are:

- To facilitate the LGU's compliance to the R.A. 9003 or the Ecological Solid Waste Management Act of 2000
- To employ a sustainable solution to Solid Waste Management issues, thereby addressing DILG's parameter in the application of the Seal of Good Governance
- To promote environmental protection by sustainable Solid Waste Management Solutions
- To ensure the safety of the machines and equipment.

C. The Bidder / Contractor

The Bidder is required to have the following qualifications:

1. The bidder/contractor should have an experience in 3Phase, 380V (Line to Line), 240V (Line to Neutral), Banking of Transformer electrical installations.
2. The bidder/contractor should have an experience in the erection of utility Electrical Poles with minimum coverage of 500 meters with medium to low voltage power lines.
3. The Bidder should have an experience in stringing of cables and provision of standard materials for insulation, guy wires and support for power lines.
4. The bidder/ contractors should have an experience in Grounding System including tools and test equipment for grounding works and shall provide safety tools, equipment, and personnel before and after the project.

5. The Contractor must have a qualified Electrical Engineer / Supervisor and must be available at site during working hours to ensure proper execution and supervision of work.

6. The bidder/supplier is preferably within Visayas area in order for the end-user to easily communicate in case of future concerns regarding the project.

D. The Requirements

➤ Scope of Works

The scope described and included in this project is for the supply of labor and materials. Moreover, all equipment and materials shall conform to the end user for quality assurance.

a. Mobilization and Demobilization

- Mobilization includes Building and Electrical Permits and Fees, all the preparatory work and operations necessary for the movement of materials, personnel, equipment, supplies to the project site. Demobilization includes the winding down, cleaning and clearing, removing of equipment, personnel and supplies from the construction site after completion.

b. Medium Voltage Construction

- Installation of Cross Arm to the Electrical Poles, Grounding and Anchor assembly.
- Laying of Single Loop Guy Wire with Pintype insulator, disc insulator / insulator suspension, strain and end clamp, ring / ball type machine, U-Clamp, Fuse link, Hot Clamp, Fuse Cut out, and Lightning Arrester.

c. Wires, Cables, Conduits and Boxes

- Laying of THHN Wires (5.5mm², 8.0mm², 14.0mm², 22.0mm², 30mm², 150mm²)
- Supply and Installation of PVC Conduits, Flexible Pipe, Utility, Junction Boxes and Pull Boxes

d. Panel Board , LVSG and ATS

- Purchase and installation of Panel Board and Low Voltage Switch Gear

PB-Septage: Main: 1-60AT 3P 400V VAC MCCB Branch: 6-20At 3P MCCB Bolt on type

MDP: Main: 1-300AT 3P 400V VAC MCCB with Voltmeter, hert meter Ammeter, Pilot light. Powder coated. Pre standing with NEMA3R enclosure, Branch: 2 -80AT 2P MCCB Bolt on type; 1-125At 2P MCCb bolt on type; 1-60AT 3P MCCB bolt in type; 2-100AT 2P MCCB; 1-100AT 3P MCCB; 1-30AT 3P MCCB; 2-40AT 2P MCCB; 1-30AT 2P MCCB; 2-30AT 3P MCCB

Main ECB: 1-300AT 3p MCCB 415V with NEMA3r Enclosure with Pilot Light

- Purchase and Installation of Automatic Transfer Switch (2-300AT ATS with Single and High Voltage relay with NEMA3R Enclosure).

e. Metering

- the winning bidder shall shoulder the expenses for all materials, wiring devices ,testing and calibration fees for the materials needed for power metering. Utilities company (NONECO) is the sole company to install the Power Metering works.

f. Steelworks

- involves cutting works for Steel and Welding Works.

g. Transformer

- Purchase and Installation of 3-75kVA Transformer 14.4kV/24.9kV/240-480 pole mounted Oil type

h. Grounding System

- Purchase and Installation of grounding System using 100mm² BCW 3/4 copper ground 3 meters exothermic welding kit Ground well including Grounding Testing and Reports

i. Vehicle,digging equipment and safety

- Digging of foundation for the erection of Electrical Poles
- Wire Tensioning Equipments.
- Provide safety tools, personnel and equipment

j. Powerhouse

- Construction of Powerhouse which includes Concrete Works, Masonry Works, Steel Works, Doors and Louvers, Painting Works and Electrical Works.

➤ **General Requirements**

- Construction safety protocols should be observed at all times during the duration of the project.
- All plans shall be supplied by the end-user.
- If there are any revisions as to original plan will require the winning bidder to submit as-built plans at no cost to the end user.

E. Materials Specifications

Medium Voltage Construction (Electrical Post)

Electrical Steel Post

PS35-MPA Steel Post 35FT HDG

PS35-MPA Steel Post 40FT HDG

Grounding Assymbly

Anchor Assymbly 13.2kV Single Loop Guy Wrapped 1/2Ø

3-1/2 x4-1/2" x8' Cross arm HDG

3-1/2 x4-1/2" x10' Cross arm HDG

Insulator Pint type Umbrella 5/8 x 8 inch

Disc insulator/ Insulator suspension

Shackle Insulator

Strain Clamp Dead end

#2/0 (50MM²) ACSR

C#1/0 ins

C#2 DUP



Wires and Cables

5.5mm² THHN wires
8.0mm² THHN wires
14.0mm² THHN wires
22mm² THHN wires
30mm² THHN wires
150mm² THHN wires

Conduits and Boxes

1 inch PVC sched 40
1½ inch PVC sched 40
2 inch PVC sched 40
1/2 inch Flexible pipe sched 80
Utility Box GI
Junction Box GI
Pull Box GI # 16 25x25x30
1 Inch PVC long elbow
1½ Inch PVC long elbow
2 Inch PVC long elbow

Panel Boards, LVSG & ATS

PB- Septage

Main: 1-60AT 3P 400V VAC MCCB
Branch: 6-20At 3P MCCB Bolt on type

MDP

Main: 1-300AT 3P 400V VAC MCCB with Voltmeter, hert
meter Ammeter, Pilot light. Powder coated. Pre standing
with NEMA3R enclosure

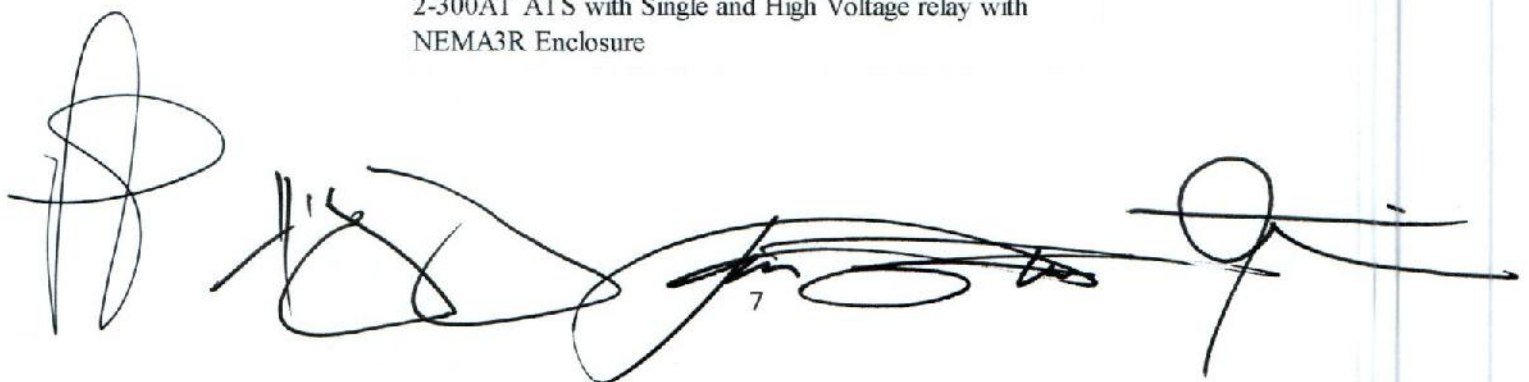
Branch: 2 -80AT 2P MCCB Bolt on type; 1-125At 2P MCCB
bolt on type; 1-60AT 3P MCCB bolt in type; 2-100AT 2P
MCCB; 1-100AT 3P MCCB; 1-30AT 3P MCCB; 2-40AT 2P
MCCB; 1-30AT 2P MCCB; 2-30AT 3P MCCB

Main ECB

1-300AT 3p MCCB 415V with NEMA3r Enclosure with
Pilot light

ATS

2-300AT ATS with Single and High Voltage relay with
NEMA3R Enclosure



11/6

7

Metering

kWhr-m 3P 4 wire WYE- DELTA 380-400V with Battery soft switch

Current transformr 15kV Outdoor type Ratio 30:15:5 with complete Accessories

Potential Transformr 15kV outdoor type 70:1840:120V metering class ,compte with accessories

Lighting Arrester 11kV

100A 15kV Fuse cut Out

13JAw heavy duty 2inch Ø meter base Class 200

Fuse Link 10A

Hot line Clamp

Clamp Loop Dead end

Stirrup s2/0- 4/0 Threaded

Steel Works

#16 GI tie Wire

Electrical tape Big

Rubber tape

Angle Bar 1.5" x 1.5" x 1/4" x 20'

Flat Bar 2" x 1/4" x 20'

3/8dyna bolt hinder grip

Blow torch

Butane gas

PVC Solvent 200cc

Metal drill bits 3/6

Metal drill bits 1/4

Concrete drill 3/16

Concrete drill 1/4

Cuting disc 4 inch

Hack saw blade

2 inch service entrance cap

Welding rod E6011

4 inch diameter Gi Pipe sChed 40

Ring/ball type long bolt 12 inch

Ring/ball type long bolt 10 inch

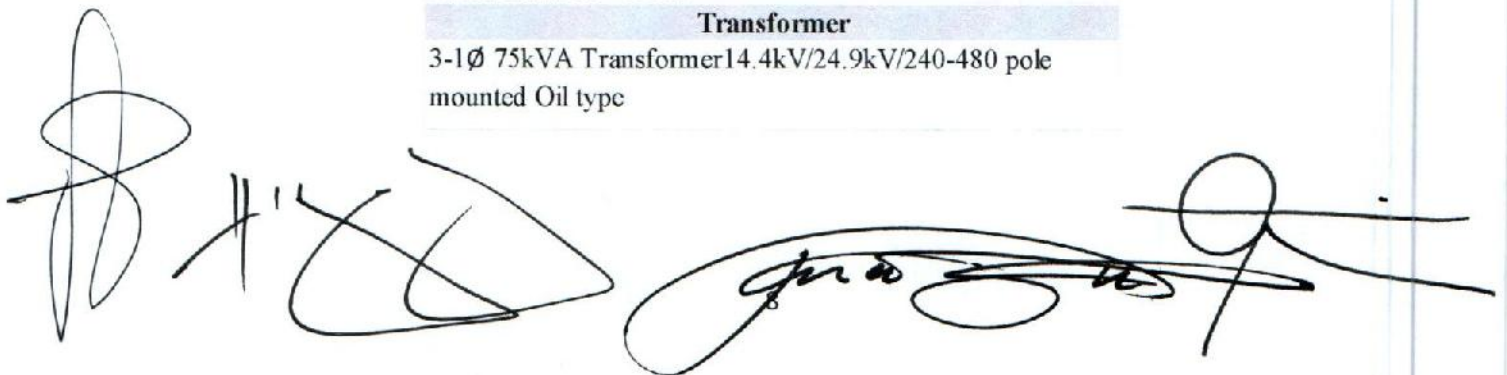
U clamp with lock

Washer 283/16,3/16 hole

Barce metal 60 " HDG

Transformer

3-1Ø 75kVA Transformer 14.4kV/24.9kV/240-480 pole mounted Oil type



Grounding System

100mm² BCW
3/4 copper ground 3 meters
exothermic welding kit
Ground well

Powerhouse

Concrete, Masonry and Steel Works

Portland Cement

Washed Sand

Crushed Gravel 3/4"

CHB 4" x 8" x 16"

10mm DRSB

12mm DRSB

16mm DRSB

Tie Wire #16

Rough Lumber

Ord. Plywood 1/2

CW Nails 4"

CW Nails 1 1/2"

Concrete Nails 2"

Rectangular tube 2"x3"

Rectangular tube 1"x2"

Welding Electrode

Consumables

Doors and Louvers

Entrance Door with
complete accessories

Louvers

Painting Works

Acrylic Primer

Semi Gloss Latex, ISO cert., Premium quality

QDE White, Premium Quality

Tinting Color Latex, Raw Sienna

#120 Sandpaper, waterproof, best quality

#60 Sandpaper, waterproof, best quality

3" Paintbrush

2" Paintbrush

4" Roller brush with handle

Paint thinner, ISO cert., best quality

Body Filler

Red Oxide Metal Primer

Electrical Works

9W LED Lights

3.5" dia. Receptacle Light Outlet

Downlight Housing 4"Ø

2-gang Switch wide series flush mount type

2-gang convenience outlet

8"x8"x6" Pull box

Electrical Conduit 20mm dia. x 3m

Electrical Tape

Flexible Hose 1/2"

Junction Box 2x4

Utility Box

THHN wire #102 (150m/box)

THHN wire #10 (150m/box)

Powerhouse

Concrete, Masonry and Steel Works

Portland Cement
Washed Sand
Crushed Gravel 3/4"
CHB 4" x 8" x 16"

10mm DRSB

12mm DRSB

16mm DRSB

Tie Wire #16

Rough Lumber

Ord. Plywood 1/2

CW Nails 4"

CW Nails 1 1/2"

Concrete Nails 2"

Retangula tube 2"x3"

Retangula tube 1"x2"

Welding Electrode

Consumables

Doors and Louvers

Entrance Door with
complete accessories

Louvers

Painting Works

Acrylic Primer

Semi Gloss Latex, ISO cert., Premium quality

QDE White, Premium Quality

Tinting Color Latex, Raw Sienna

#120 Sandpaper, waterproof, best quality

#60 Sandpaper, waterproof, best quality

3" Paintbrush

2" Paintbrush

4" Roller brush with handle

Paint thinner, ISO cert., best quality

Body Filler

Red Oxide Metal Primer

Electrical Works

9W LED Lights

3.5" dia. Receptacle Light Outlet

Downlight Housing 4"Ø

2-gang Switch wide series flush mount type

2-gang convenience outlet

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Electrical Tape

Flexible Hose 1/2"

Junction Box 2x4

Utility Box

THHN wire #102 (150m/box)

THHN wire #10 (150m/box)

F. Delivery / Completion

Completion shall be within 200 Calendar days

G. Man Power Requirement

Manpower for the project shall be at least of the following;

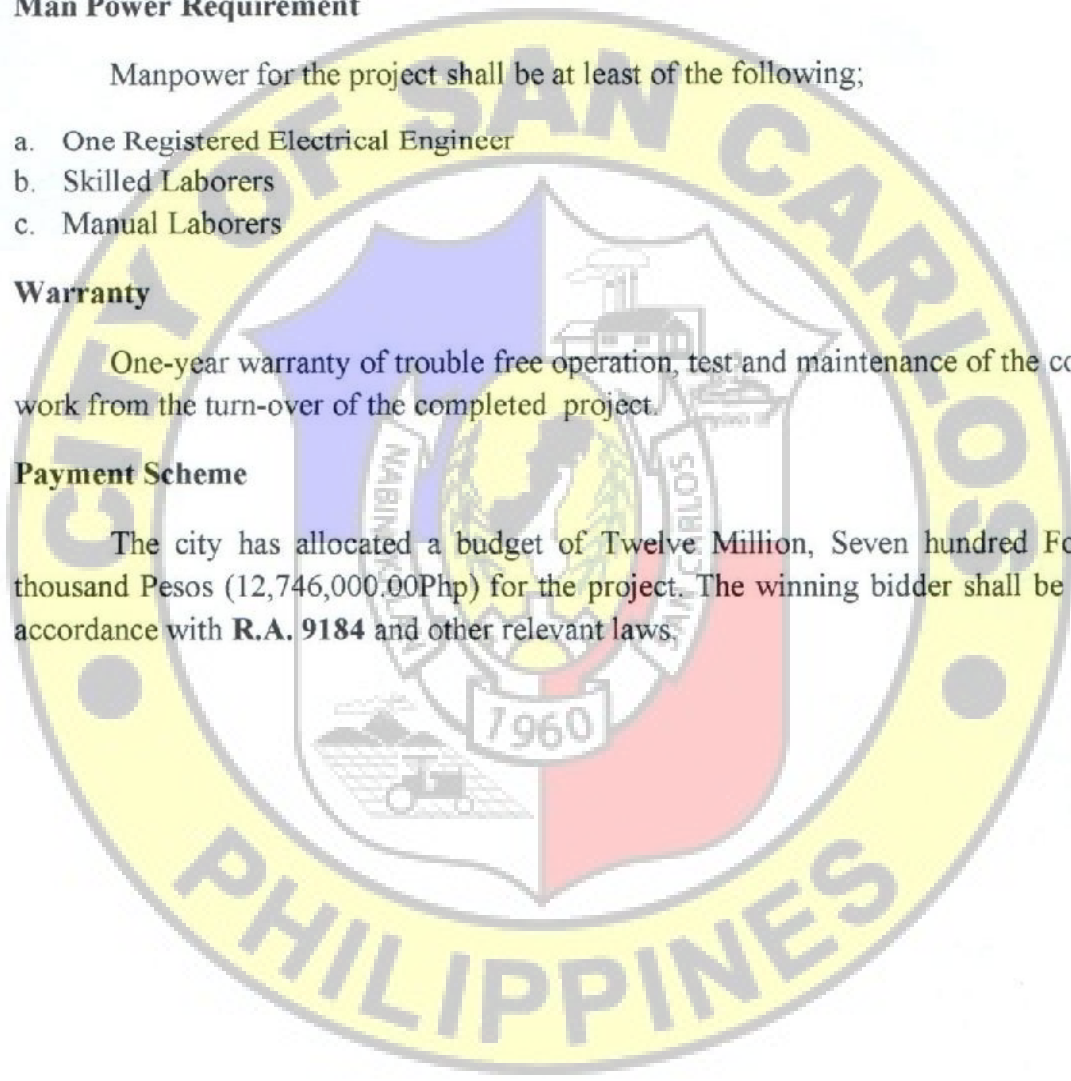
- a. One Registered Electrical Engineer
- b. Skilled Laborers
- c. Manual Laborers

H. Warranty

One-year warranty of trouble free operation, test and maintenance of the complete work from the turn-over of the completed project.

I. Payment Scheme

The city has allocated a budget of Twelve Million, Seven hundred Forty six thousand Pesos (12,746,000.00Php) for the project. The winning bidder shall be paid in accordance with **R.A. 9184** and other relevant laws.



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AREA: 1,739 SQM

PROPOSED SANITARIUM

DUMP SITE

LOT 835

BRIDGE

LOT 835 A-2
A-2-2000 SQM



SITE DEVELOPMENT PLAN

SCALE

N.T.S.

- 1. THE OWNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE SANITARIUM AND DUMP SITE.
- 2. ALL BUILDINGS SHALL BE DESIGNED TO BE SEISMICALLY RESISTANT.
- 3. THE SANITARIUM SHALL BE DESIGNED TO BE SEISMICALLY RESISTANT.
- 4. THE DUMP SITE SHALL BE DESIGNED TO BE SEISMICALLY RESISTANT.
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REPUBLIC OF THE PHILIPPINES
OFFICE OF THE CITY ENGINEER
CITY OF SAN CARLOS, PANGASINAN
RE: SANITARIUM AND DUMP SITE

RECOMMENDATION: APPROVE
LAND USE & ZONING

RECOMMENDATION: APPROVE
ARCHITECTURAL

RECOMMENDATION: APPROVE
STRUCTURAL

RECOMMENDATION: APPROVE
SANITARY

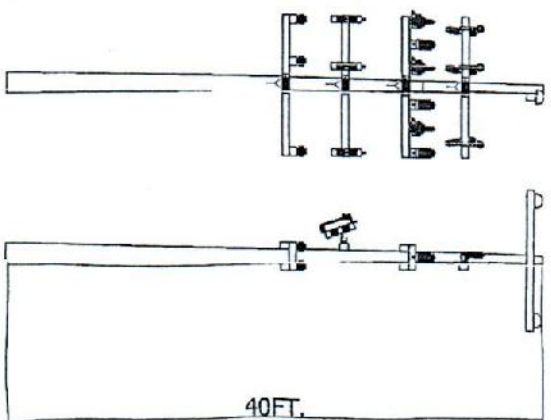
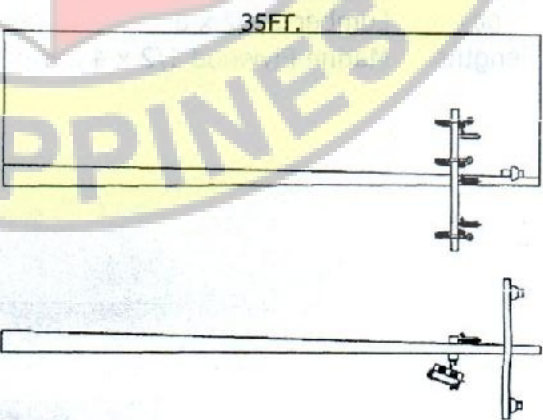
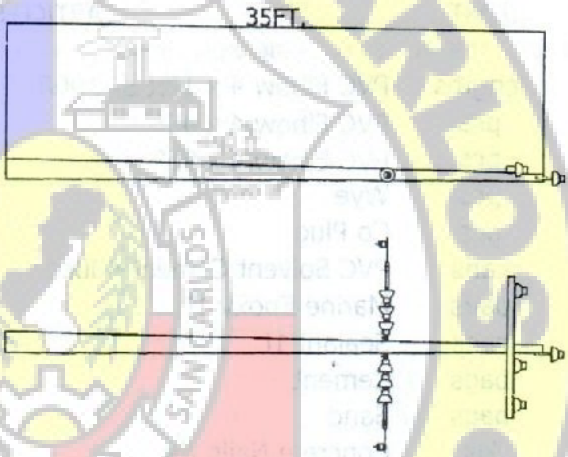
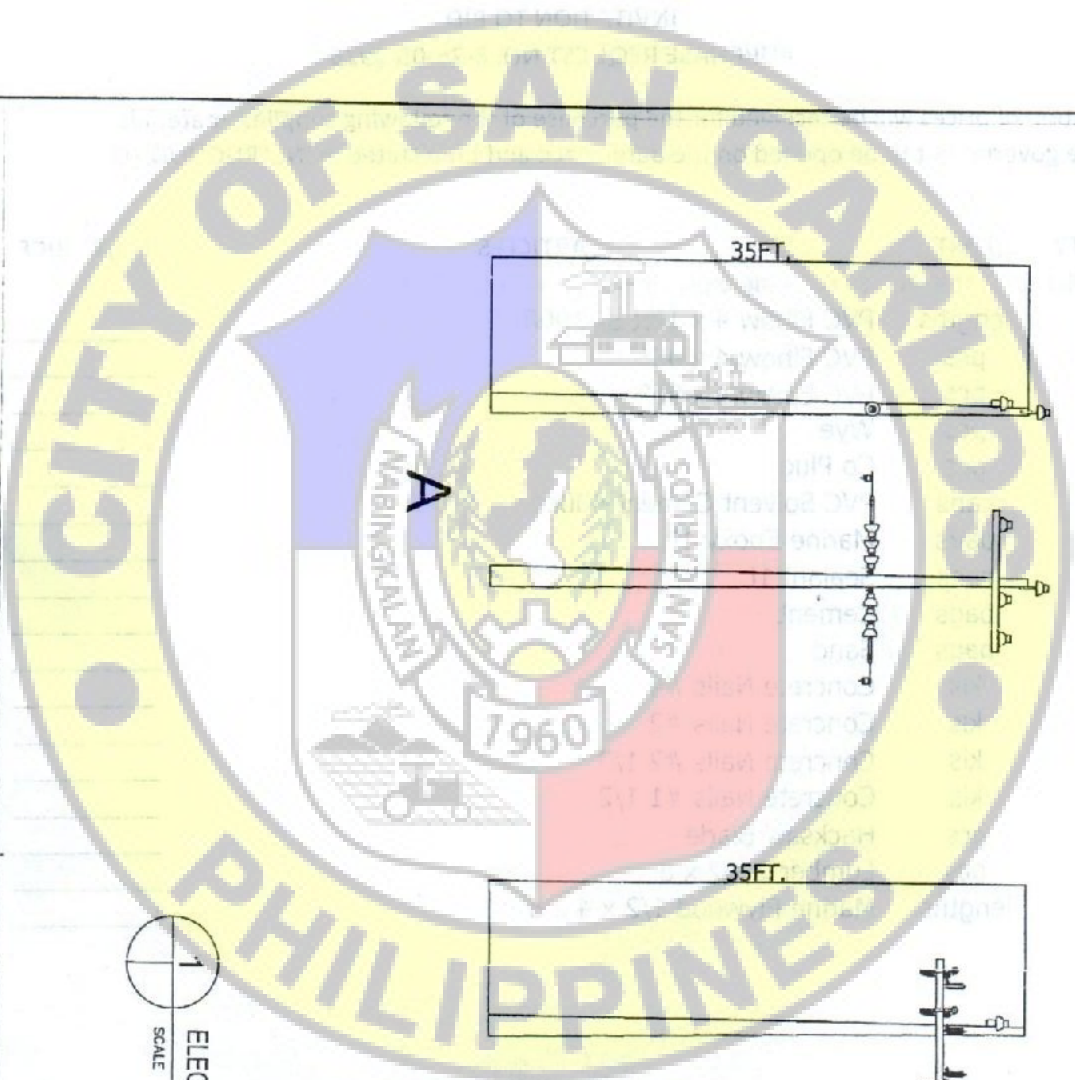
RECOMMENDATION: APPROVE
ELECTRICAL

RECOMMENDATION: APPROVE
MECHANICAL

RECOMMENDATION: APPROVE
FIRE SAFETY

DRAFTED BY: SHEET NO. 1

PREPARED BY: J. E. D.	PROJECT TITLE: SAN CARLOS ECC-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION	PREPARED BY: ENGR. PAUL S. SANTIAGO, FUENTILLANO	CHECKED BY: ENGR. JOSE MARIO A. MAM/MAC	RECOMMENDING AGENCY: ENGR. REXTER E. NEMENZO	APPROVED BY: RODOLFO R. GUSTILLO
ADDRESS: SAN CARLOS CITY, MARIAS OCCIDENTAL	LOCATION: SAN CARLOS CITY	ENGINEER: ENGR. J. M. SANTIAGO	ENGINEER III: ENGR. J. M. SANTIAGO	CITY ENGINEER: ENGR. J. M. SANTIAGO	CITY MAYOR: ENGR. J. M. SANTIAGO



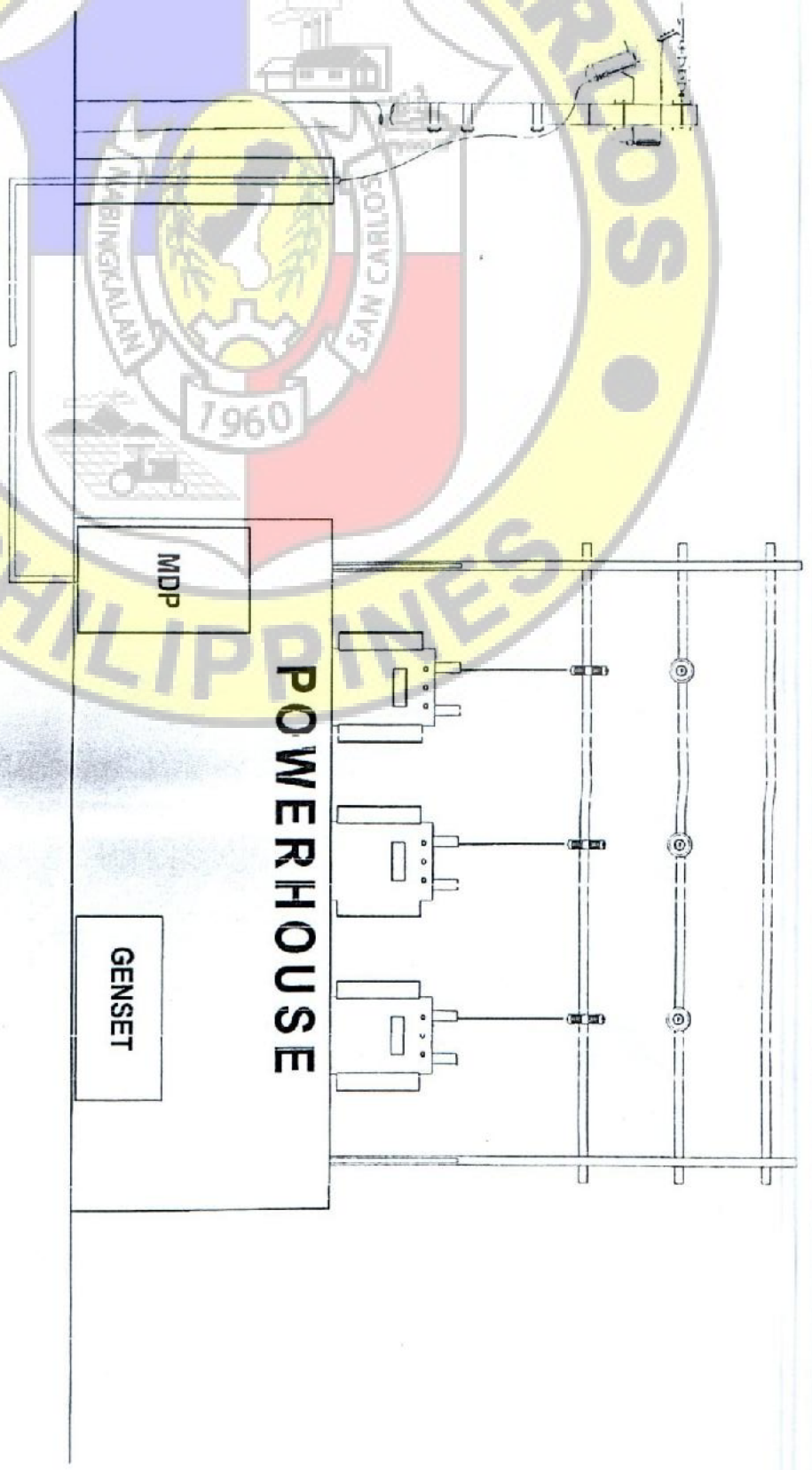
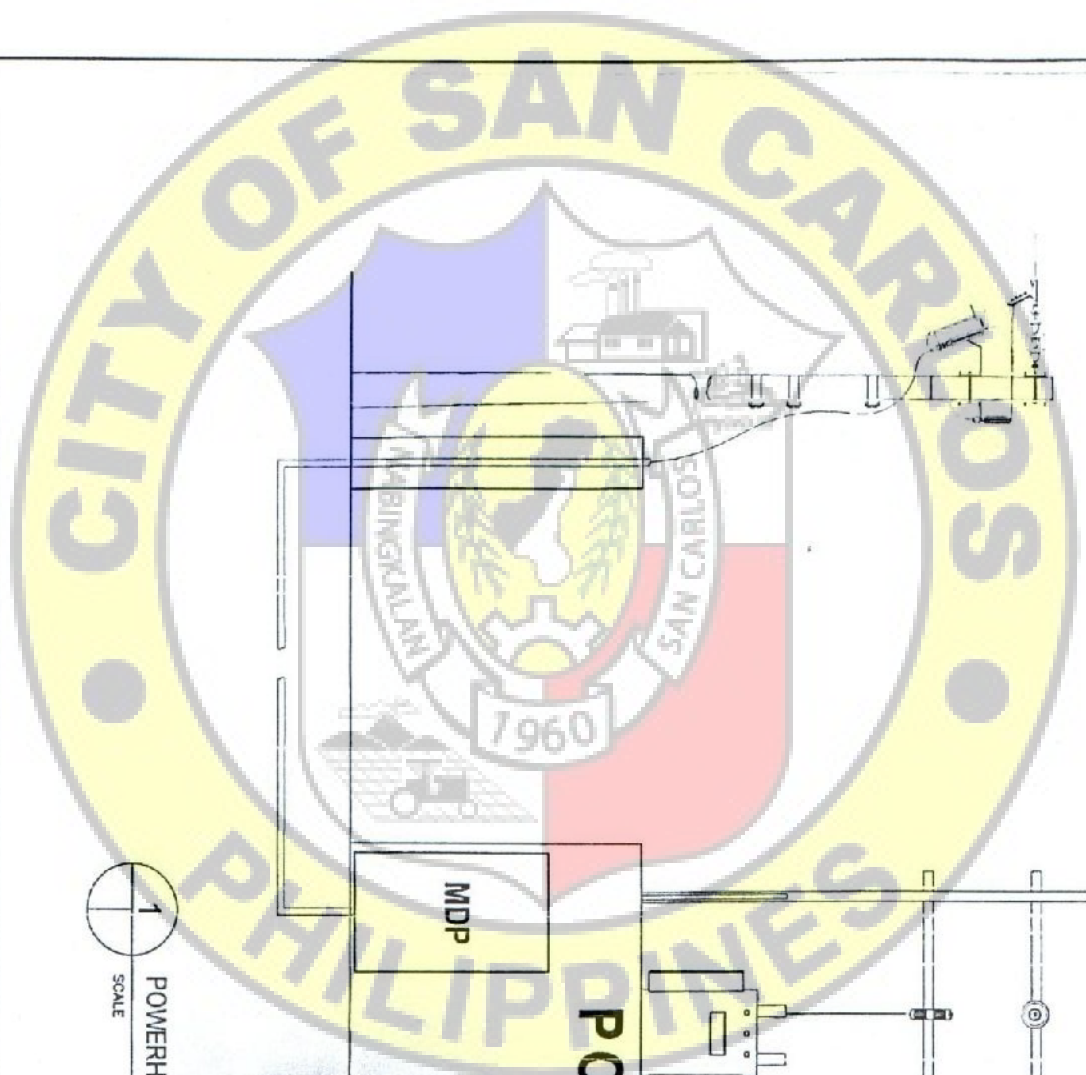
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ELECTRICAL POLE

NTS

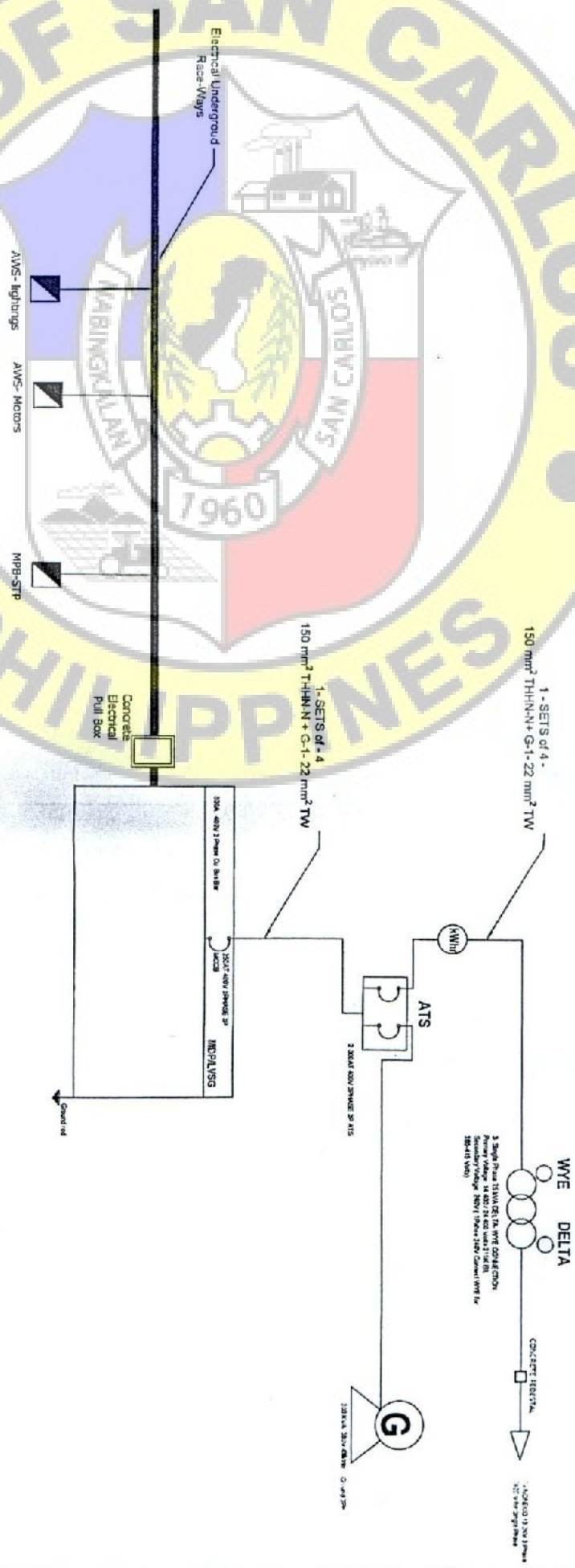
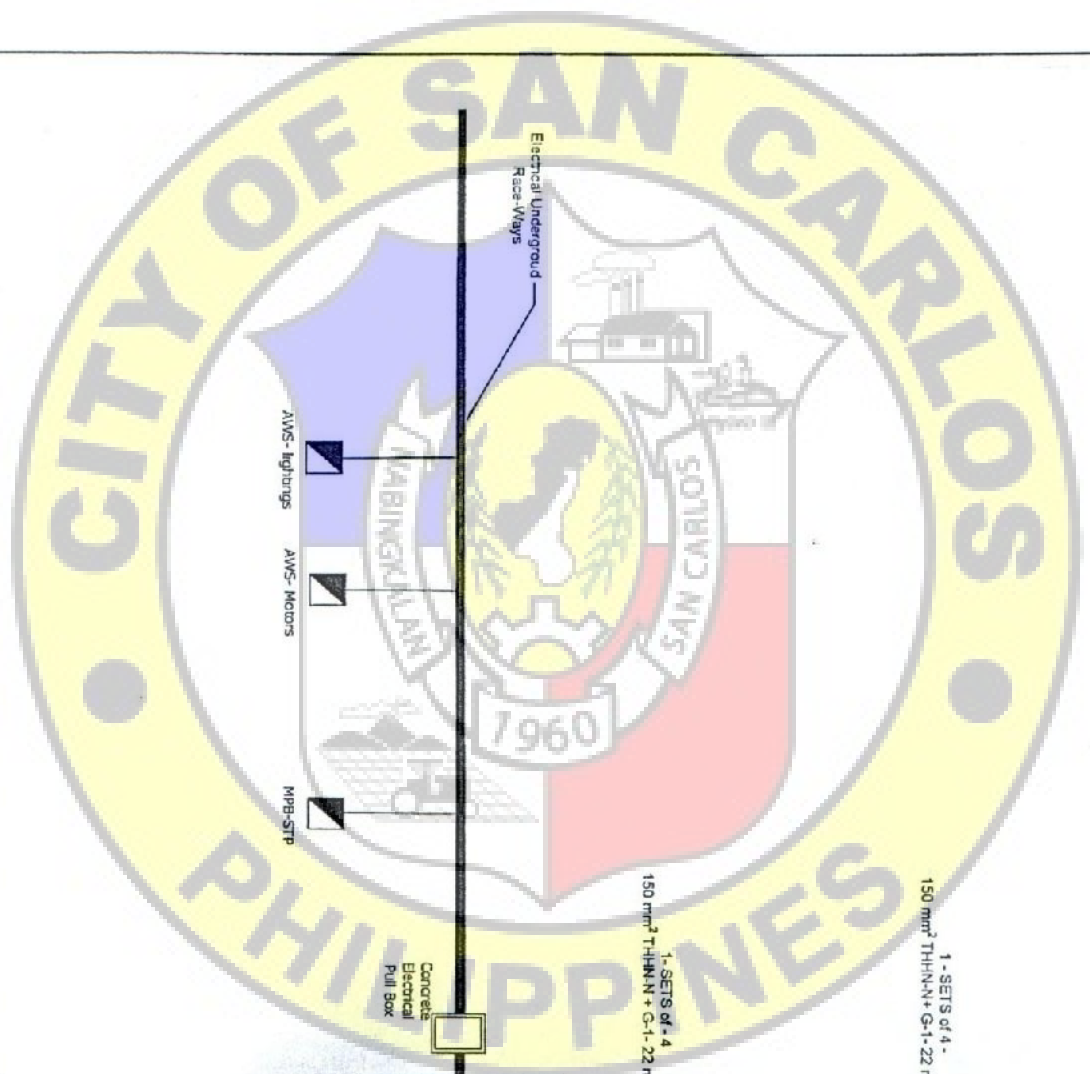
PREPARED IN THE OFFICE OF THE:		PROJECT TITLE:		PREPARED BY:		CHECKED BY:		REVIEWING APPROVAL:		APPROVED BY:		DRAFTED BY:		SHEET NO.:	
C. E. D.		SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION		ENGR. JUAN LEON VINTUOSO		ENGR. JOSE MARIO A. MAMAC		ENGR. BERTER E. NIEMENDO		HON. GEMATO T. GOSTILO				2	
ADDRESS: SAN CARLOS CITY, PANGLOSS OCCIDENTAL		LOCATION: SAN CARLOS CITY		ENGR. JUAN LEON VINTUOSO		ENGR. JOSE MARIO A. MAMAC		ENGR. BERTER E. NIEMENDO		HON. GEMATO T. GOSTILO					



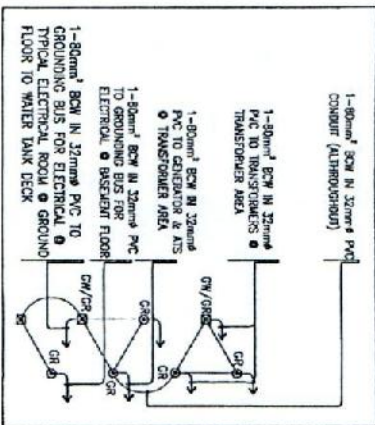
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POWERHOUSE ELEVATION PLAN
SCALE 1:50

PREPARED IN THE OFFICE OF THE C. E. D CITY ENGINEERING DEPARTMENT	PROJECT TITLE SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION	PREPARED BY ENGR. JOSE MARIO A. MAMAC ENGINEER III	CHECKED BY ENGR. JOSE MARIO A. MAMAC ENGINEER III	REVIEWED BY ENGR. REYTER E. NIENENDO CITY ENGINEER	APPROVED BY HON. REYTER E. NIENENDO CITY MAYOR	DRAFTED BY	SHEET NO. 3
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PREPARED IN THE OFFICE OF THE:	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	REVIEWING ENGINEER:	APPROVED BY:	DRAFTED BY:	SHEET NO.:
C. E. D	SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION	ENGR. JUAN SEBASTIAN PUERTILLANO ENGR. JUAN FEU VIRTUOSO	ENGR. JOSE MARIO A. MAMAC ENGINEER III	ENGR. HELENE E. NEMENDO CORN. ELECTRICAL ENGINEER	ENGR. RENATO Y. GUSTITO CITY MAYOR		4
ADDRESS: SAN CARLOS CITY ALEROS OCCIDENTAL	LOCATION: SAN CARLOS CITY						



GROUNDING INCLUDED ON THE CONTRACT

1-800-251-3000 IN 22ma
CONCRETE (ALUMINUM/STEEL)

1-800-251-3000 IN 22ma
PVC (ALUMINUM/STEEL)
TRANSFORMER AREA

1-800-251-3000 IN 22ma
PVC TO CONDUIT &
TRANSFORMER AREA

1-800-251-3000 IN 22ma
TO GROUNDING BUS FOR
ELECTRICAL (ALUMINUM)

1-800-251-3000 IN 22ma
GROUNDING BUS FOR ELECTRICAL
TYPICAL ELECTRICAL PANEL & GROUND
FLOOR TO WATER MAIN DECK

CS CamScanner



CS CamScanner



SINGLE LINE DIAGRAM



AMOUNTS LOCATIONS	Amount	Locations
AMOUNTS AND YRS	Yr. 1	Yr. 2
FEED TYPE	W/B	

[illegible]

ACCOUNTING LOCATIONS	SALES BY STATE
ACQUANTING AND THE PO	Surfline
FIELD TYPE	W RE

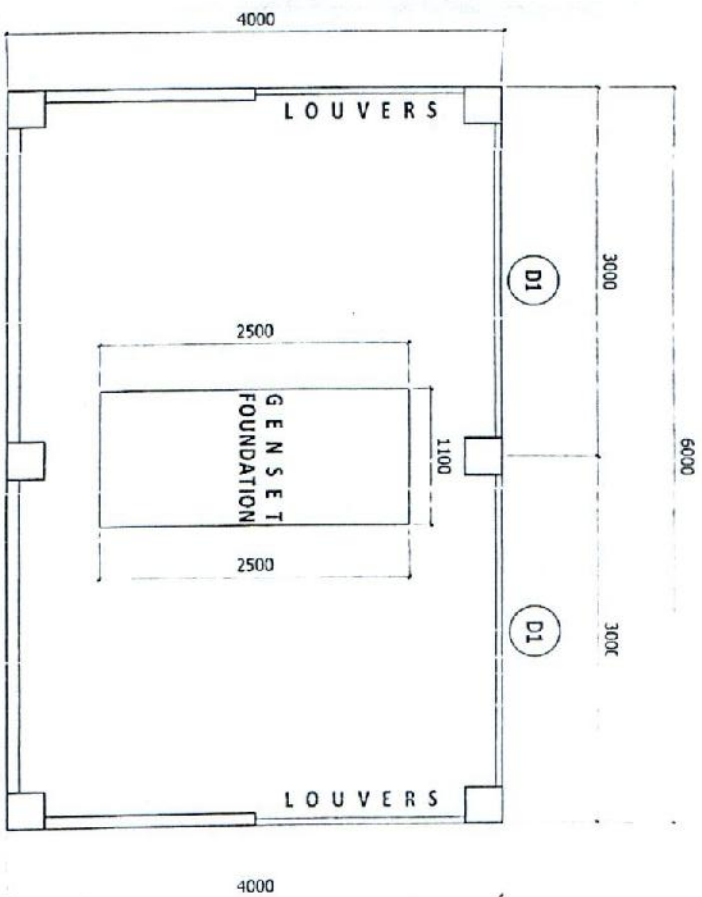
WATER MAINS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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NO	WATER SERVICE	MAY P.C.	LOAD DISTRIBUTION					MEASUREMENT	CABLE DETAIL				CONDUIT				VOLTAGE DROP CALCULATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			A	B	C	D	E		Ground Return	Insulated	Wiring	AP	AD	AWG	8 ft Depth	10 ft Depth	12 ft Depth	14 ft Depth	16 ft Depth	18 ft Depth	20 ft Depth	22 ft Depth	24 ft Depth	26 ft Depth	28 ft Depth	30 ft Depth	32 ft Depth	34 ft Depth	36 ft Depth	38 ft Depth	40 ft Depth	42 ft Depth	44 ft Depth	46 ft Depth	48 ft Depth	50 ft Depth	52 ft Depth	54 ft Depth	56 ft Depth	58 ft Depth	60 ft Depth	62 ft Depth	64 ft Depth	66 ft Depth	68 ft Depth	70 ft Depth	72 ft Depth	74 ft Depth	76 ft Depth	78 ft Depth	80 ft Depth	82 ft Depth	84 ft Depth	86 ft Depth	88 ft Depth	90 ft Depth	92 ft Depth	94 ft Depth	96 ft Depth	98 ft Depth	100 ft Depth	102 ft Depth	104 ft Depth	106 ft Depth	108 ft Depth	110 ft Depth	112 ft Depth	114 ft Depth	116 ft Depth	118 ft Depth	120 ft Depth	122 ft Depth	124 ft Depth	126 ft Depth	128 ft Depth	130 ft Depth	132 ft Depth	134 ft Depth	136 ft Depth	138 ft Depth	140 ft Depth	142 ft Depth	144 ft Depth	146 ft Depth	148 ft Depth	150 ft Depth	152 ft Depth	154 ft Depth	156 ft Depth	158 ft Depth	160 ft Depth	162 ft Depth	164 ft Depth	166 ft Depth	168 ft Depth	170 ft Depth	172 ft Depth	174 ft Depth	176 ft Depth	178 ft Depth	180 ft Depth	182 ft Depth	184 ft Depth	186 ft Depth	188 ft Depth	190 ft Depth	192 ft Depth	194 ft Depth	196 ft Depth	198 ft Depth	200 ft Depth	202 ft Depth	204 ft Depth	206 ft Depth	208 ft Depth	210 ft Depth	212 ft Depth	214 ft Depth	216 ft Depth	218 ft Depth	220 ft Depth	222 ft Depth	224 ft Depth	226 ft Depth	228 ft Depth	230 ft Depth	232 ft Depth	234 ft Depth	236 ft Depth	238 ft Depth	240 ft Depth	242 ft Depth	244 ft Depth	246 ft Depth	248 ft Depth	250 ft Depth	252 ft Depth	254 ft Depth	256 ft Depth	258 ft Depth	260 ft Depth	262 ft Depth	264 ft Depth	266 ft Depth	268 ft Depth	270 ft Depth	272 ft Depth	274 ft Depth	276 ft Depth	278 ft Depth	280 ft Depth	282 ft Depth	284 ft Depth	286 ft Depth	288 ft Depth	290 ft Depth	292 ft Depth	294 ft Depth	296 ft Depth	298 ft Depth	300 ft Depth	302 ft Depth	304 ft Depth	306 ft Depth	308 ft Depth	310 ft Depth	312 ft Depth	314 ft Depth	316 ft Depth	318 ft Depth	320 ft Depth	322 ft Depth	324 ft Depth	326 ft Depth	328 ft Depth	330 ft Depth	332 ft Depth	334 ft Depth	336 ft Depth	338 ft Depth	340 ft Depth	342 ft Depth	344 ft Depth	346 ft Depth	348 ft Depth	350 ft Depth	352 ft Depth	354 ft Depth	356 ft Depth	358 ft Depth	360 ft Depth	362 ft Depth	364 ft Depth	366 ft Depth	368 ft Depth	370 ft Depth	372 ft Depth	374 ft Depth	376 ft Depth	378 ft Depth	380 ft Depth	382 ft Depth	384 ft Depth	386 ft Depth	388 ft Depth	390 ft Depth	392 ft Depth	394 ft Depth	396 ft Depth	398 ft Depth	400 ft Depth	402 ft Depth	404 ft Depth	406 ft Depth	408 ft Depth	410 ft Depth	412 ft Depth	414 ft Depth	416 ft Depth	418 ft Depth	420 ft Depth	422 ft Depth	424 ft Depth	426 ft Depth	428 ft Depth	430 ft Depth	432 ft Depth	434 ft Depth	436 ft Depth	438 ft Depth	440 ft Depth	442 ft Depth	444 ft Depth	446 ft Depth	448 ft Depth	450 ft Depth	452 ft Depth	454 ft Depth	456 ft Depth	458 ft Depth	460 ft Depth	462 ft Depth	464 ft Depth	466 ft Depth	468 ft Depth	470 ft Depth	472 ft Depth	474 ft Depth	476 ft Depth	478 ft Depth	480 ft Depth	482 ft Depth	484 ft Depth	486 ft Depth	488 ft Depth	490 ft Depth	492 ft Depth	494 ft Depth	496 ft Depth	498 ft Depth	500 ft Depth	502 ft Depth	504 ft Depth	506 ft Depth	508 ft Depth	510 ft Depth	512 ft Depth	514 ft Depth	516 ft Depth	518 ft Depth	520 ft Depth	522 ft Depth	524 ft Depth	526 ft Depth	528 ft Depth	530 ft Depth	532 ft Depth	534 ft Depth	536 ft Depth	538 ft Depth	540 ft Depth	542 ft Depth	544 ft Depth	546 ft Depth	548 ft Depth	550 ft Depth	552 ft Depth	554 ft Depth	556 ft Depth	558 ft Depth	560 ft Depth	562 ft Depth	564 ft Depth	566 ft Depth	568 ft Depth	570 ft Depth	572 ft Depth	574 ft Depth	576 ft Depth	578 ft Depth	580 ft Depth	582 ft Depth	584 ft Depth	586 ft Depth	588 ft Depth	590 ft Depth	592 ft Depth	594 ft Depth	596 ft Depth	598 ft Depth	600 ft Depth	602 ft Depth	604 ft Depth	606 ft Depth	608 ft Depth	610 ft Depth	612 ft Depth	614 ft Depth	616 ft Depth	618 ft Depth	620 ft Depth	622 ft Depth	624 ft Depth	626 ft Depth	628 ft Depth	630 ft Depth	632 ft Depth	634 ft Depth	636 ft Depth	638 ft Depth	640 ft Depth	642 ft Depth	644 ft Depth	646 ft Depth	648 ft Depth	650 ft Depth	652 ft Depth	654 ft Depth	656 ft Depth	658 ft Depth	660 ft Depth	662 ft Depth	664 ft Depth	666 ft Depth	668 ft Depth	670 ft Depth	672 ft Depth	674 ft Depth	676 ft Depth	678 ft Depth	680 ft Depth	682 ft Depth	684 ft Depth	686 ft Depth	688 ft Depth	690 ft Depth	692 ft Depth	694 ft Depth	696 ft Depth	698 ft Depth	700 ft Depth	702 ft Depth	704 ft Depth	706 ft Depth	708 ft Depth	710 ft Depth	712 ft Depth	714 ft Depth	716 ft Depth	718 ft Depth	720 ft Depth	722 ft Depth	724 ft Depth	726 ft Depth	728 ft Depth	730 ft Depth	732 ft Depth	734 ft Depth	736 ft Depth	738 ft Depth	740 ft Depth	742 ft Depth	744 ft Depth	746 ft Depth	748 ft Depth	750 ft Depth	752 ft Depth	754 ft Depth	756 ft Depth	758 ft Depth	760 ft Depth	762 ft Depth	764 ft Depth	766 ft Depth	768 ft Depth	770 ft Depth	772 ft Depth	774 ft Depth	776 ft Depth	778 ft Depth	780 ft Depth	782 ft Depth	784 ft Depth	786 ft Depth	788 ft Depth	790 ft Depth	792 ft Depth	794 ft Depth	796 ft Depth	798 ft Depth	800 ft Depth	802 ft Depth	804 ft Depth	806 ft Depth	808 ft Depth	810 ft Depth	812 ft Depth	814 ft Depth	816 ft Depth	818 ft Depth	820 ft Depth	822 ft Depth	824 ft Depth	826 ft Depth	828 ft Depth	830 ft Depth	832 ft Depth	834 ft Depth	836 ft Depth	838 ft Depth	840 ft Depth	842 ft Depth	844 ft Depth	846 ft Depth	848 ft Depth	850 ft Depth	852 ft Depth	854 ft Depth	856 ft Depth	858 ft Depth	860 ft Depth	862 ft Depth	864 ft Depth	866 ft Depth	868 ft Depth	870 ft Depth	872 ft Depth	874 ft Depth	876 ft Depth	878 ft Depth	880 ft Depth	882 ft Depth	884 ft Depth	886 ft Depth	888 ft Depth	890 ft Depth	892 ft Depth	894 ft Depth	896 ft Depth	898 ft Depth	900 ft Depth	902 ft Depth	904 ft Depth	906 ft Depth	908 ft Depth	910 ft Depth	912 ft Depth	914 ft Depth	916 ft Depth	918 ft Depth	920 ft Depth	922 ft Depth	924 ft Depth	926 ft Depth	928 ft Depth	930 ft Depth	932 ft Depth	934 ft Depth	936 ft Depth	938 ft Depth	940 ft Depth	942 ft Depth	944 ft Depth	946 ft Depth	948 ft Depth	950 ft Depth	952 ft Depth	954 ft Depth	956 ft Depth	958 ft Depth	960 ft Depth	962 ft Depth	964 ft Depth	966 ft Depth	968 ft Depth	970 ft Depth	972 ft Depth	974 ft Depth	976 ft Depth	978 ft Depth	980 ft Depth	982 ft Depth	984 ft Depth	986 ft Depth	988 ft Depth	990 ft Depth	992 ft Depth	994 ft Depth	996 ft Depth	998 ft Depth	1000 ft Depth																																																																																																																																																																																																																																								
1	Submain water	100 ft x 100 ft x 100 ft	1	400	112	1-2	1	100%	40	100	1	1.0	1	1.5	100%	1.0	1.1	70	20	PVC	208	15	2.10	4.62	15	0.17	0.26	0.34	0.42	0.50	0.58	0.66	0.74	0.82	0.90	0.98	1.06	1.14	1.22	1.30	1.38	1.46	1.54	1.62	1.70	1.78	1.86	1.94	2.02	2.10	2.18	2.26	2.34	2.42	2.50	2.58	2.66	2.74	2.82	2.90	2.98	3.06	3.14	3.22	3.30	3.38	3.46	3.54	3.62	3.70	3.78	3.86	3.94	4.02	4.10	4.18	4.26	4.34	4.42	4.50	4.58	4.66	4.74	4.82	4.90	4.98	5.06	5.14	5.22	5.30	5.38	5.46	5.54	5.62	5.70	5.78	5.86	5.94	6.02	6.10	6.18	6.26	6.34	6.42	6.50	6.58	6.66	6.74	6.82	6.90	6.98	7.06	7.14	7.22	7.30	7.38	7.46	7.54	7.62	7.70	7.78	7.86	7.94	8.02	8.10	8.18	8.26	8.34	8.42	8.50	8.58	8.66	8.74	8.82	8.90	8.98	9.06	9.14	9.22	9.30	9.38	9.46	9.54	9.62	9.70	9.78	9.86	9.94	10.02	10.10	10.18	10.26	10.34	10.42	10.50	10.58	10.66	10.74	10.82	10.90	10.98	11.06	11.14	11.22	11.30	11.38	11.46	11.54	11.62	11.70	11.78	11.86	11.94	12.02	12.10	12.18	12.26	12.34	12.42	12.50	12.58	12.66	12.74	12.82	12.90	12.98	13.06	13.14	13.22	13.30	13.38	13.46	13.54	13.62	13.70	13.78	13.86	13.94	14.02	14.10	14.18	14.26	14.34	14.42	14.50	14.58	14.66	14.74	14.82	14.90	14.98	15.06	15.14	15.22	15.30	15.38	15.46	15.54	15.62	15.70	15.78	15.86	15.94	16.02	16.10	16.18	16.26	16.34	16.42	16.50	16.58	16.66	16.74	16.82	16.90	16.98	17.06	17.14	17.22	17.30	17.38	17.46	17.54	17.62	17.70	17.78	17.86	17.94	18.02	18.10	18.18	18.26	18.34	18.42	18.50	18.58	18.66	18.74	18.82	18.90	18.98	19.06	19.14	19.22	19.30	19.38	19.46	19.54	19.62	19.70	19.78	19.86	19.94	20.02	20.10	20.18	20.26	20.34	20.42	20.50	20.58	20.66	20.74	20.82	20.90	20.98	21.06	21.14	21.22	21.30	21.38	21.46	21.54	21.62	21.70	21.78	21.86	21.94	22.02	22.10	22.18	22.26	22.34	22.42	22.50	22.58	22.66	22.74	22.82	22.90	22.98	23.06	23.14	23.22	23.30	23.38	23.46	23.54	23.62	23.70	23.78	23.86	23.94	24.02	24.10	24.18	24.26	24.34	24.42	24.50	24.58	24.66	24.74	24.82	24.90	24.98	25.06	25.14	25.22	25.30	25.38	25.46	25.54	25.62	25.70	25.78	25.86	25.94	26.02	26.10	26.18	26.26	26.34	26.42	26.50	26.58	26.66	26.74	26.82	26.90	26.98	27.06	27.14	27.22	27.30	27.38	27.46	27.54	27.62	27.70	27.78	27.86	27.94	28.02	28.10	28.18	28.26	28.34	28.42	28.50	28.58	28.66	28.74	28.82	28.90	28.98	29.06	29.14	29.22	29.30	29.38	29.46	29.54	29.62	29.70	29.78	29.86	29.94	30.02	30.10	30.18	30.26	30.34	30.42	30.50	30.58	30.66	30.74	30.82	30.90	30.98	31.06	31.14	31.22	31.30	31.38	31.46	31.54	31.62	31.70	31.78	31.86	31.94	32.02	32.10	32.18	32.26	32.34	32.42	32.50	32.58	32.66	32.74	32.82	32.90	32.98	33.06	33.14	33.22	33.30	33.38	33.46	33.54	33.62	33.70	33.78	33.86	33.94	34.02	34.10	34.18	34.26	34.34	34.42	34.50	34.58	34.66	34.74	34.82	34.90	34.98	35.06	35.14	35.22	35.30	35.38	35.46	35.54	35.62	35.70	35.78	35.86	35.94	36.02	36.10	36.18	36.26	36.34	36.42	36.50	36.58	36.66	36.74	36.82	36.90	36.98	37.06	37.14	37.22	37.30	37.38	37.46	37.54	37.62	37.70	37.78	37.86	37.94	38.02	38.10	38.18	38.26	38.34	38.42	38.50	38.58	38.66	38.74	38.82	38.90	38.98	39.06	39.14	39.22	39.30	39.38	39.46	39.54	39.62	39.70	39.78	39.86	39.94	40.02	40.10	40.18	40.26	40.34	40.42	40.50	40.58	40.66	40.74	40.82	40.90	40.98	41.06	41.14	41.22	41.30	41.38	41.46	41.54	41.62	41.70	41.78	41.86	41.94	42.02	42.10	42.18	42.26	42.34	42.42	42.50	42.58	42.66	42.74	42.82	42.90	42.98	43.06	43.14	43.22	43.30	43.38	43.46	43.54	43.62	43.70	43.78	43.86	43.94	44.02	44.10	44.18	44.26	44.34	44.42	44.50	44.58	44.66	44.74	44.82	44.90	44.98	45.06	45.14	45.22	45.30	45.38	45.46	45.54	45.62	45.70	45.78	45.86	45.94	46.02	46.10	46.18	46.26	46.34	46.42	46.50	46.58	46.66	46.74	46.82	46.90	46.98	47.06	47.14	47.22	47.30	47.38	47.46	47.54	47.62	47.70	47.78	47.86	47.94	48.02	48.10	48.18	48.26	48.34	48.42	48.50	48.58	48.66	48.74	48.82	48.90	48.98	49.06	49.14	49.22	49.30	49.38	49.46	49.54	49.62	49.70	49.78	49.86	49.94	50.02	50.10	50.18	50.26	50.34	50.42	50.50	50.58	50.66	50.74	50.82	50.90	50.98	51.06	51.14	51.22	51.30	51.38	51.46	51.54	51.62	51.70	51.78	51.86	51.94	52.02	52.10	52.18	52.26	52.34	52.42	52.50	52.58	52.66	52.74	52.82	52.90	52.98	53.06	53.14	53.22	53.30	53.38	53.46	53.54	53.62	53.70	53.78	53.86	53.94	54.02	54.10	54.18	54.26	54.34	54.42	54.50	54.58	54.66	54.74	54.82	54.90	54.98	55.06	55.14	55.22	55.30	55.38	55.46	55.54	55.62	55.70	55.78	55.86	55.94	56.02	56.10	56.18	56.26	56.34	56.42	56.50	56.58	56.66	56.74	56.82	56.90	56.98	57.06	57.14	57.22	57.30	57.38	57.46	57.54

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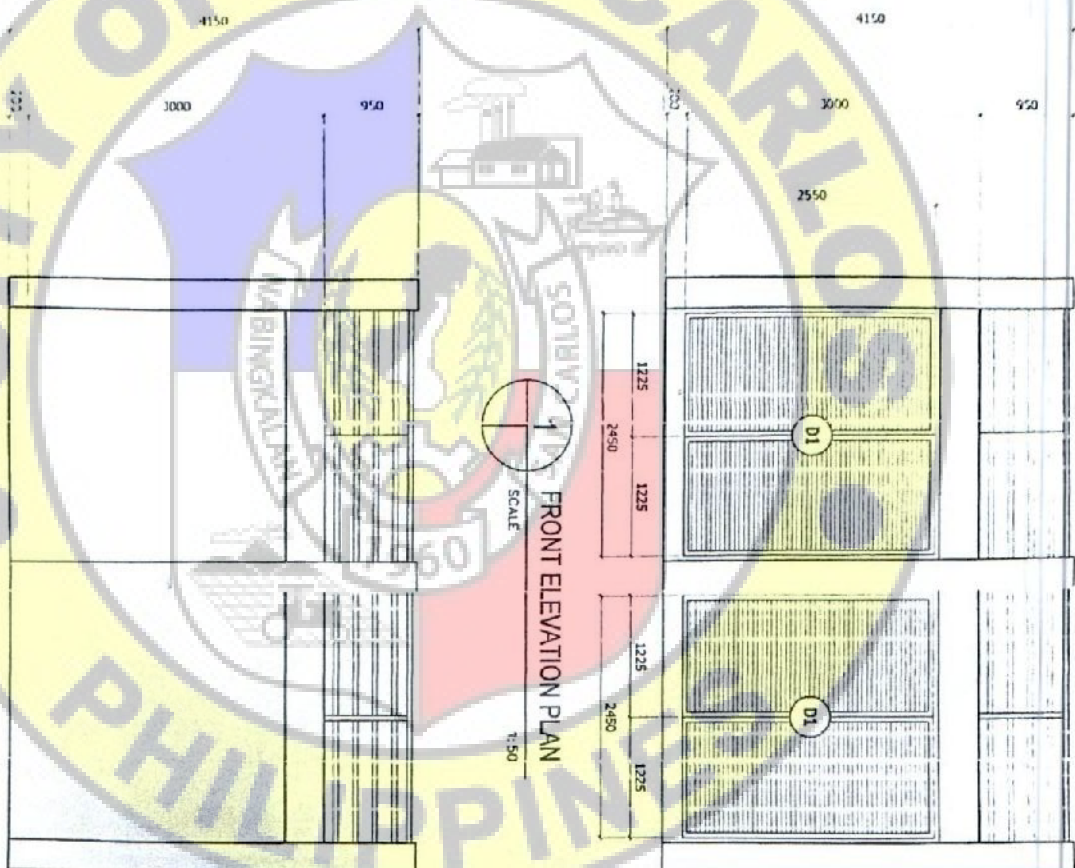


1
PERSPECTIVE
SCALE
N/S



2
FLOOR PLAN
SCALE
1:50

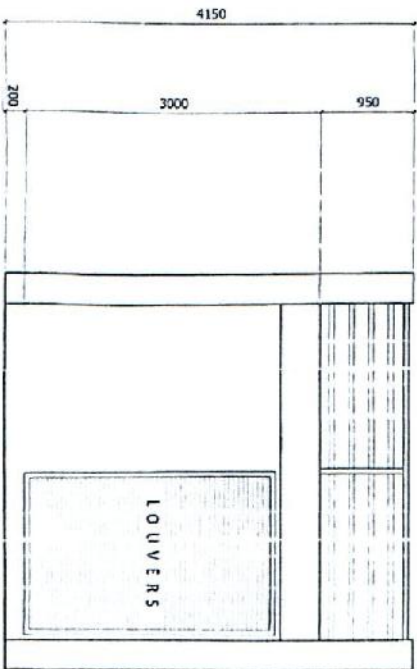
PREPARED IN THE OFFICE OF THE:	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	REVIEWED BY:	APPROVED BY:	DRAWN BY:	SHEET NO.:
C. E. D.	SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION	ENGR. PAUL SYMBIAN E. BERNILAND ENGR. JOSE MARIO A. MAMMAC ENGR. JOSE MARIO A. MAMMAC	ENGR. JOSE MARIO A. MAMMAC ENGR. JOSE MARIO A. MAMMAC	ENGR. RENE E. MENDOZA ENGR. RENE E. MENDOZA	BOJ. HERATOY, CUSTITO		13
ADDRESS: SAN CARLOS CITY, MICROS OCCIDENTAL	LOCATION: SAN CARLOS CITY						



RIGHT ELEVATION PLAN

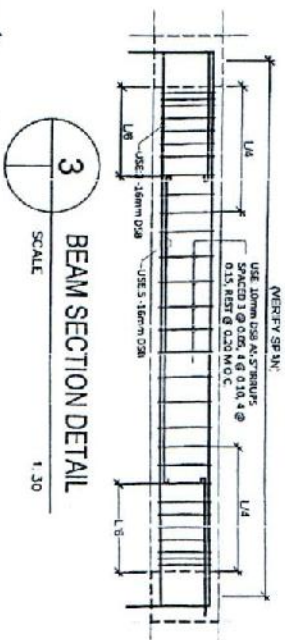
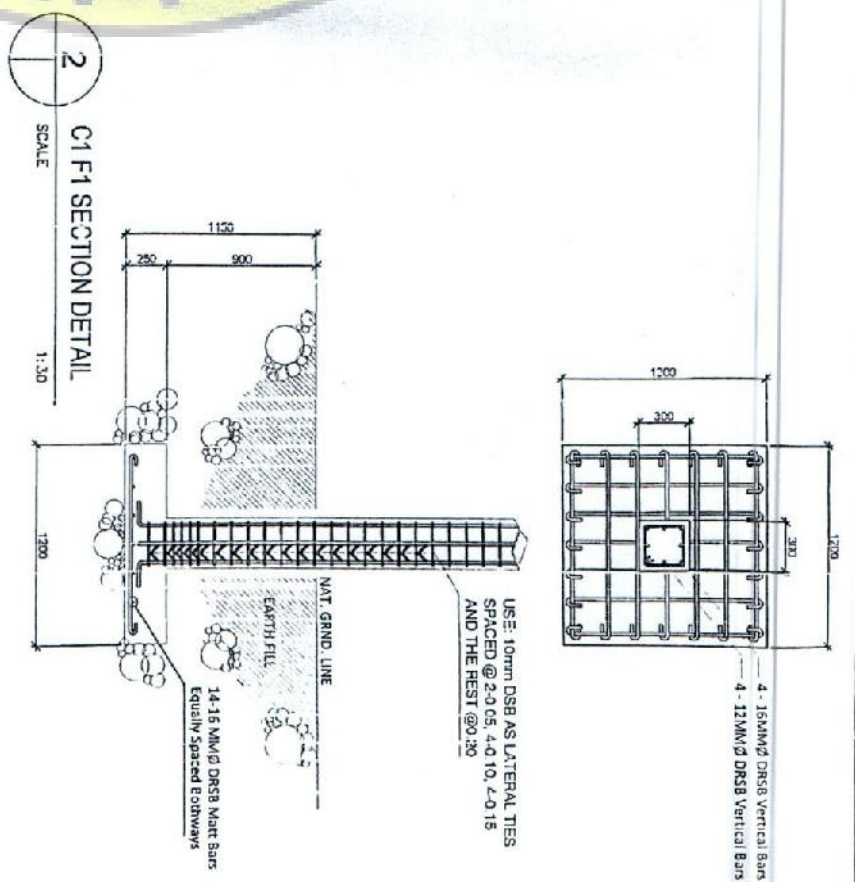
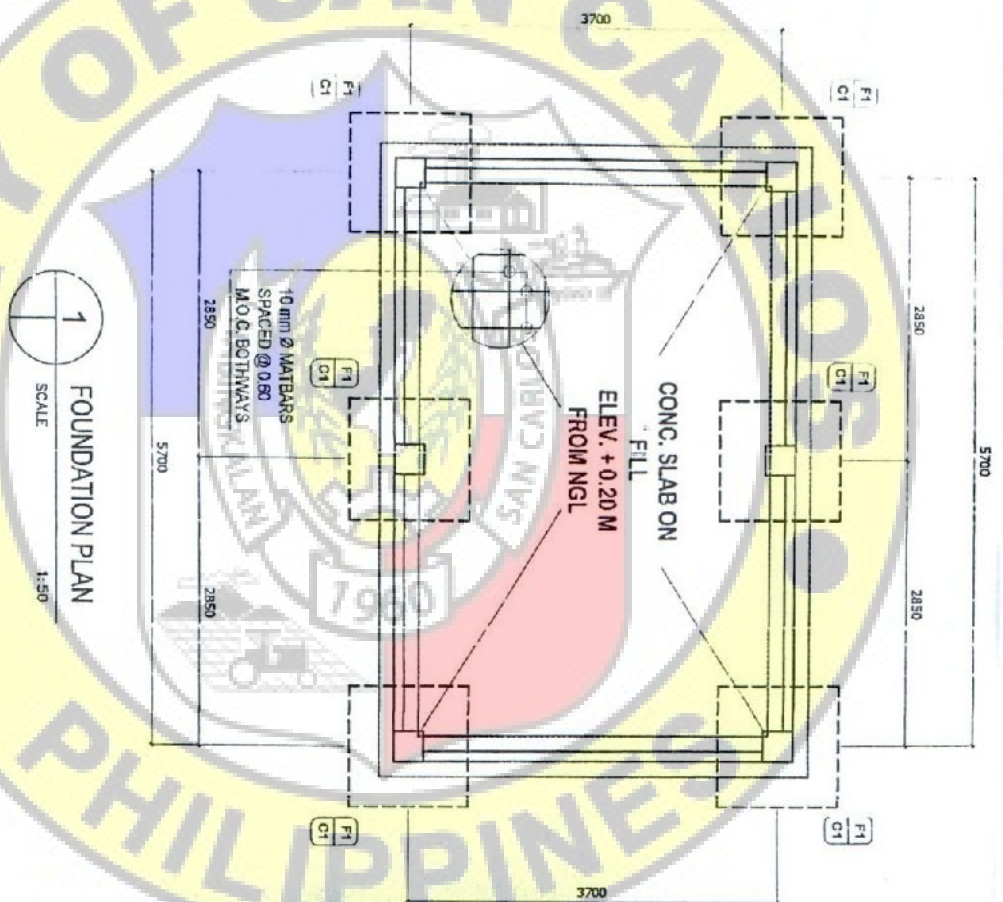
SCALE 1:50

2



4
LEFT ELEVATION PLAN
SCALE 1"=3'

PREPARED IN THE OFFICE OF THE:		PROJECT TITLE		SHEET NO.	
C. E. D.		SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION		14	
ADDRESS SAN CARLOS CITY & COUNCIL TERRITORIAL		PROJECT LOCATION			
ENGINEER		CHECKED BY:		APPROVED BY:	
ENGR. HILARIO S. GUSTILLO		ENGR. JOSE MORIO A. MAMAC		ENGR. HILARIO S. GUSTILLO	
ENGR. HILARIO S. GUSTILLO		ENGINEER III		CITY MANA	



PREPARED IN THE OFFICE OF THE	PROJECT TITLE	PREPARED BY:	CHECKED BY:	RECOMMENDED APPROVAL	APPROVED BY:	DRAFTED BY:	SHEET NO:
C. E. D CITY ENGINEER'S OFFICE	SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION, ALONCRESS, SAN CARLOS CITY / LEGADOS COOP ORIENTAL	ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC	ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC	ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC	ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC	ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC ENGR. JOSE MARIO A. MAMAC	15