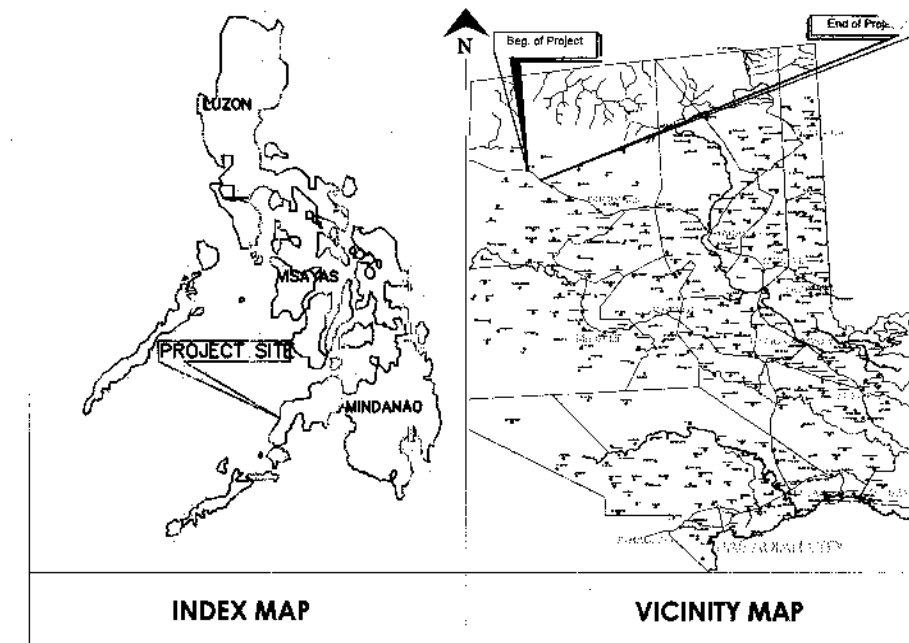
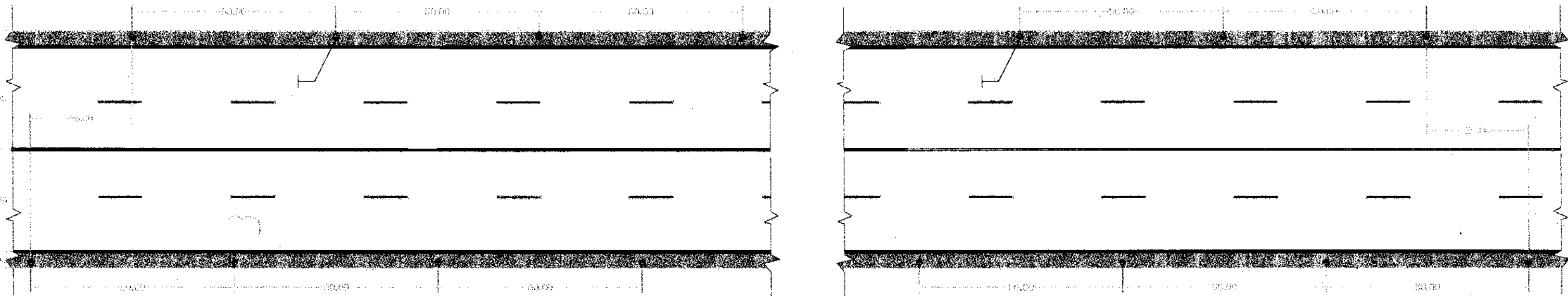


Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
Region IX
Office of the District Engineer
Zamboanga del Sur 1st District Engineering Office
Pagadian City



C.Y. 2025 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR

INSTALLATION/APPLICATION OF ROAD SAFETY FACILITIES (ROADWAY LIGHTING) ALONG JCT. MAHAYAG - DUMINGAG - SIAYAN - SINDANGAN RD - K1690 + 473 - K1689 + 748.



BEGINNING OF PROJECT:
K1690 + 473

END OF PROJECT:
K1689 + 748



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE DISTRICT ENGINEER
ZAMBOANGA DEL SUR 1ST ENGINEERING DISTRICT
PAGADIAN CITY

PROJECT & LOCATION :
Motor Vehicle User's Charge (MVUC) as per R.A. 11239:
Installation/Application of Road Safety Facilities (Roadway Lighting) along Jct. Mahayag - Dumingag - Siayan - Sindangan Rd., Dulop Dumingag Rd - K1690 + 473 - K1689 + 748
LOCATION : JCT. MAHAYAG - DUMINGAG - SIAYAN - SINDANGAN RD.

SHEET CONTENT :
INDEX MAP
VICINITY MAP
LOCATION MAP

DESIGNED :
DRAWN :
ERZEN JAY B. RONDORC
Engineering Aide
DATE :

CHECKED :
GEOMAR A. CORTES
Engineer II
DATE :

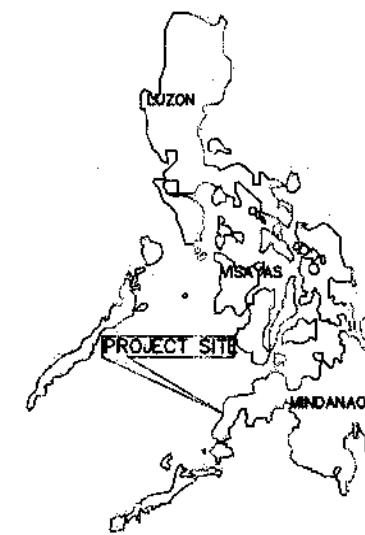
SUBMITTED :
JUDITH J. BAHIAN
Chief, Maintenance Section
DATE : 11/6/24

RECOMMENDING APPROVAL :
MARIA U. FLOREN
OIC - Assistant District Engineer
DATE : 11/6/24

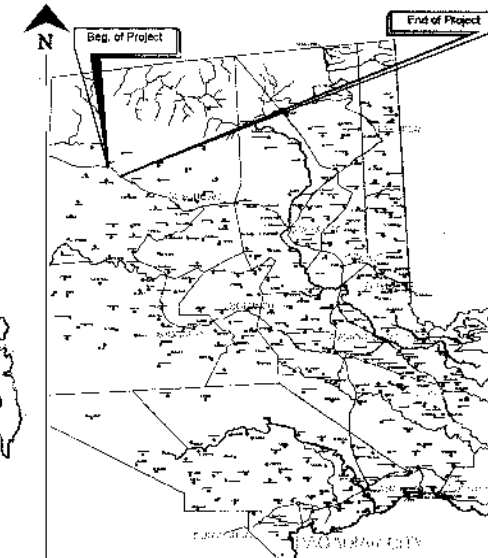
APPROVED :
PABLO Z. ESCUADRO, MPA
OIC - District Engineer
DATE :

SET NO. SHEET NO.
1 1/4

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
Region IX
Office of the District Engineer
Zamboanga del Sur 1st District Engineering Office
Pagadian City



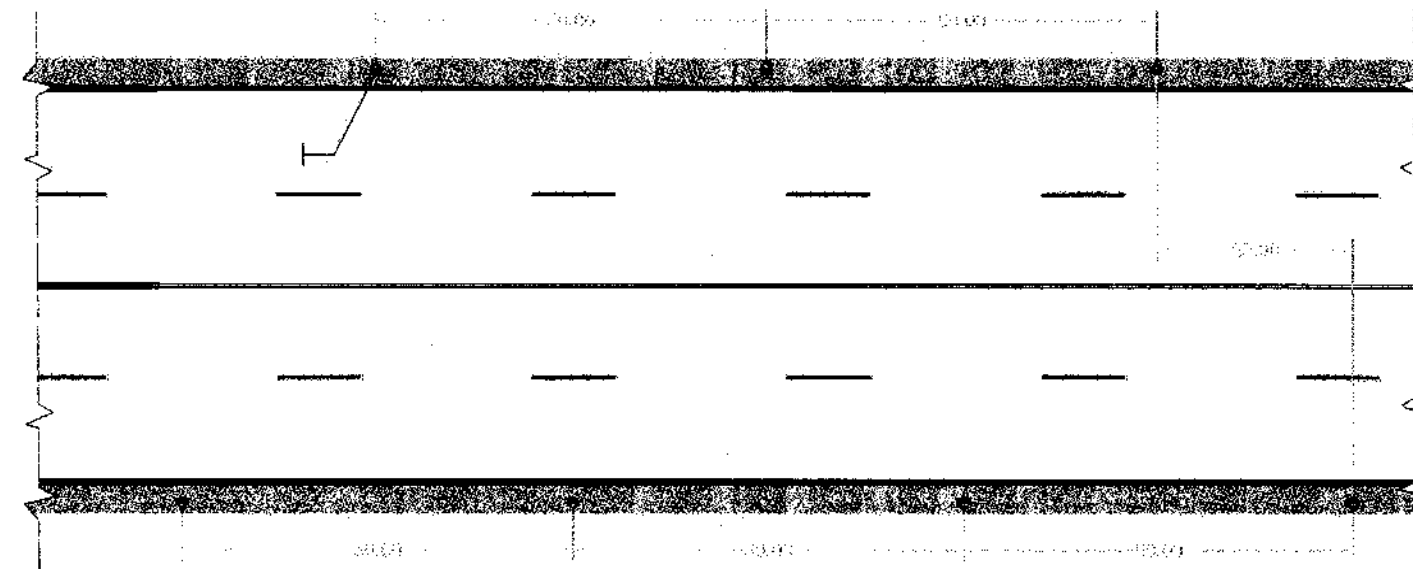
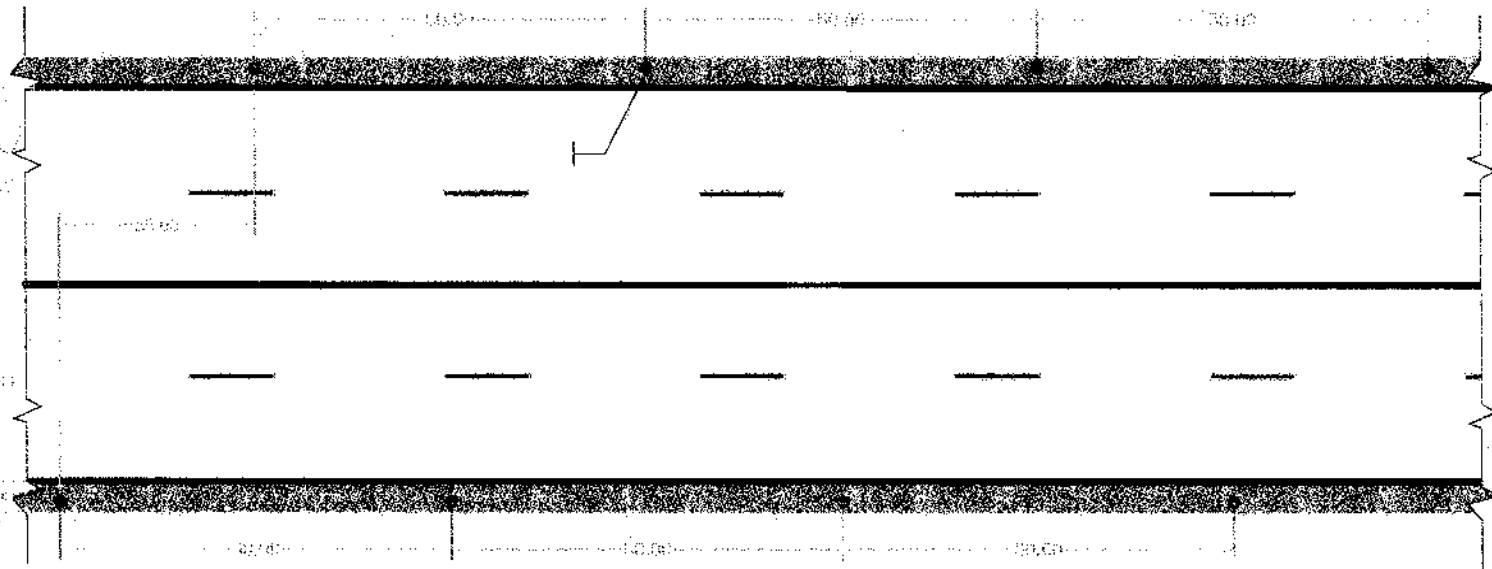
INDEX MAP



VICINITY MAP

C.Y. 2025 PROJECT
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INSTALLATION/APPLICATION OF ROAD SAFETY FACILITIES (ROADWAY
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K1690 + 473 - K1689 + 748.



BEGINNING OF PROJECT:
K1690 + 473

END OF PROJECT:
K1689 + 748



REPUBLIC OF THE PHILIPPINES
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PAGADIAN CITY

PROJECT & LOCATION :

Motor Vehicle User's Charge (MVUC) as per R.A. 11239:
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Sindangan Rd., Dulop Dumingag Rd - K1690 + 473 -
K1689 + 748
LOCATION : BRGY. DULOP, DUMINGAG, ZDS

SHEET CONTENT :

INDEX MAP
VICINITY MAP
LOCATION MAP

DESIGNED :

DRAWN :
ERZEN JAY B. PONDOC
Engineer's Aide

DATE :

CHECKED :

GEOMAR A. CORTES
Engineer II

DATE :

SUBMITTED :

JUDITH J. BAHIAN
Chief, Maintenance Section

DATE :

RECOMMENDING APPROVAL :

MARIA U. FLOREN
OIC - Assistant District Engineer

DATE :

APPROVED :

PABLO L. ESCUADRO, MPA
OIC - District Engineer

DATE :

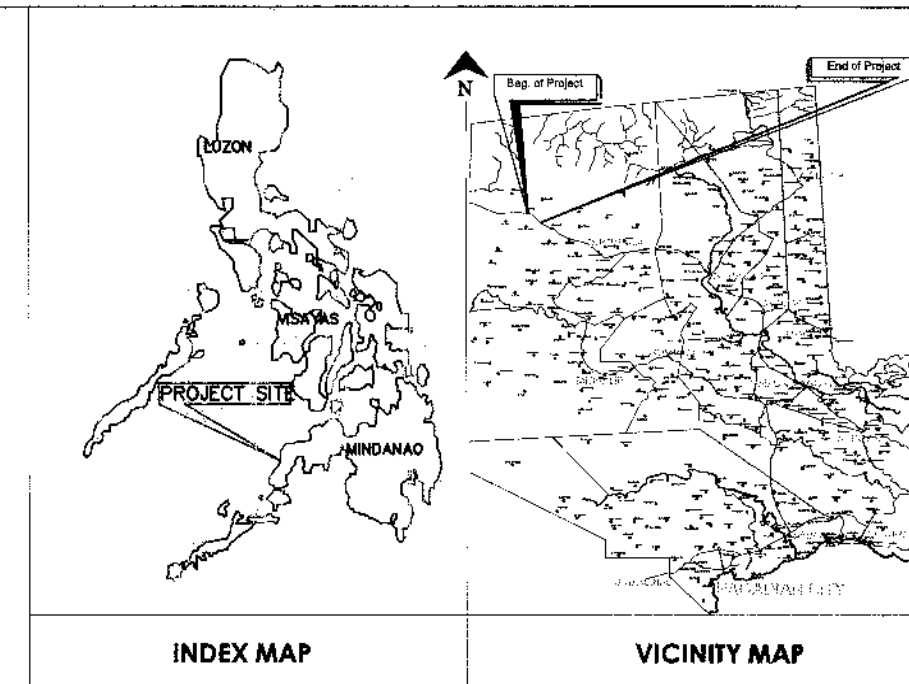
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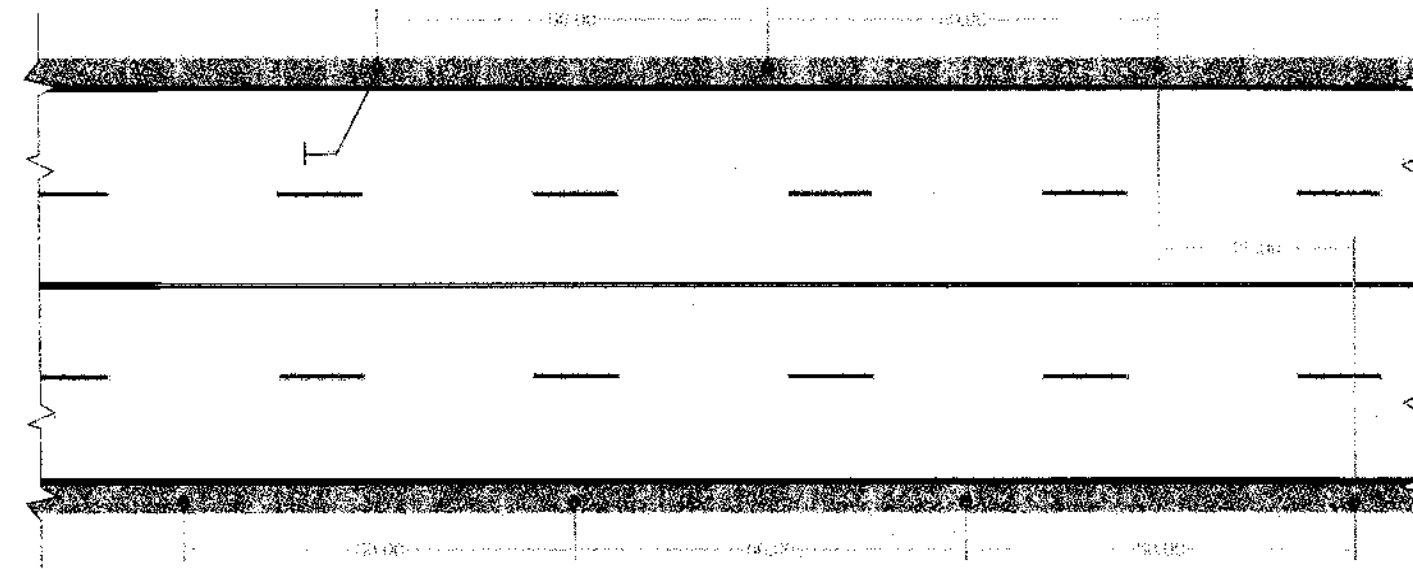
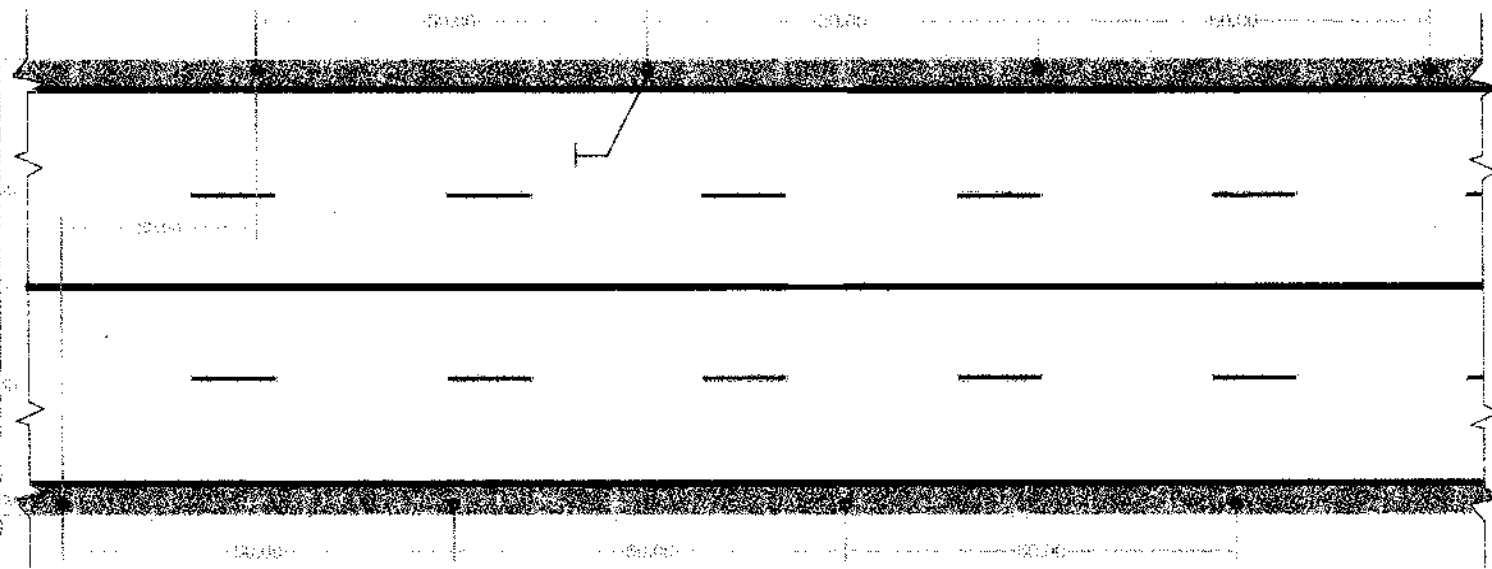
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Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
Region IX
Office of the District Engineer
Zamboanga del Sur 1st District Engineering Office
Pagadian City



C.Y. 2025 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR

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K1690 + 473 - K1689 + 748.



BEGINNING OF PROJECT:
K1690 + 473

END OF PROJECT:
K1689 + 748



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE DISTRICT ENGINEER
ZAMBOANGA DEL SUR 1ST ENGINEERING DISTRICT
PAGADIAN CITY

PROJECT & LOCATION :
Motor Vehicle User's Charge (MVUC) as per R.A. 11239;
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Engineer II
DATE :

SUBMITTED :
JUDITH J. BANIAN
Chief, Maintenance Section
DATE :

RECOMMENDING APPROVAL :
MARIA U. FLOREN
OIC - Assistant District Engineer
DATE :

APPROVED :
PABLO L. ESCUADRO, MPA
OIC - District Engineer
DATE :

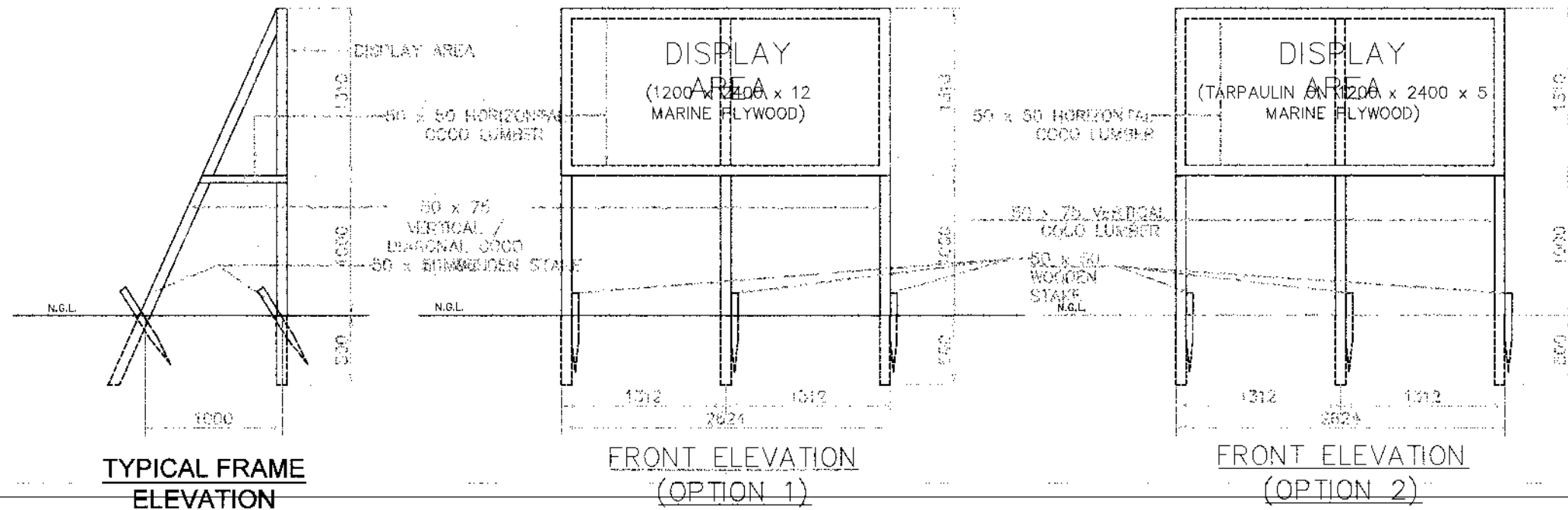
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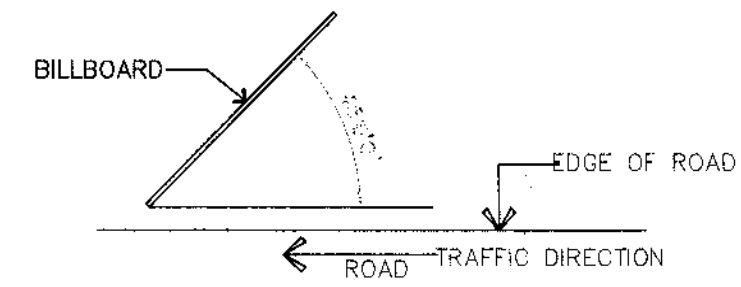
1

4



DETAIL OF BILLBOARD FRAME

SCALE
N.T.S.



ORIENTATION

NOT TO SCALE

2440
1220

THIS IS WHERE YOUR TAXES GO

NAME OF PROJECT:
LOCATION:
NAME OF CONTRACTOR:
DATE STARTED:
CONTRACT COMPLETION DATE:
CONTRACT COST:
IMPLEMENTING OFFICE:
SOURCE OF FUND:

Department of Public Works and Highways
Text 2920 or call (02) 166-02 for any concern on this project
www.dpwh.gov.ph

DPWH STANDARD PROJECT BILLBOARD

SCALE
N.T.S.

NOT TO SCALE
NOT FOR CONSTRUCTION
NOT FOR CONSTRUCTION

- The billboard structure shall comply with the Department of Public Works and Highways (DPWH) Standard Specification for Billboards (SSB) and the Department of Transportation (DOT) Standard Specification for Billboards (SSB).
- The billboard structure shall be placed on the left side of the road with the direction as shown in the orientation diagram.
- The billboard structure shall be placed on the left side of the road with the direction as shown in the orientation diagram.
- The billboard structure shall be placed on the left side of the road with the direction as shown in the orientation diagram.
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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
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PAGADIAN CITY

PROJECT & LOCATION :
Motor Vehicle User's Charge (MVUC) as per R.A. 11239
Installation/Application of Road Safety Facilities (Roadway
Lighting) along Jct. Mahayag - Dumingag - Slayan -
Sindangan Rd., Dulop Dumingag Rd - K1690 + 473 -
K1689 + 748
LOCATION : BRGY. DULOP, DUMINGAG, ZOS

SHEET CONTENT :
PROJECT BILLBOARD DETAIL

DESIGNED :

DRAWN :

ERZEN JAY B. PONDOC
Engineering Aide

DATE :

CHECKED :

DATE :

GEOMAR A. CORTES
Engineer II

DATE :

SUBMITTED :

DATE :

JUDITH J. BAHIAN
Chief, Maintenance Section

DATE :

RECOMMENDING APPROVAL :

DATE :

MARIA U. FLOREN
OIC - Assistant District Engineer

DATE :

APPROVED :

DATE :

PABLO L. ESCUADRO, MPA
OIC - District Engineer

DATE :

SET NO.

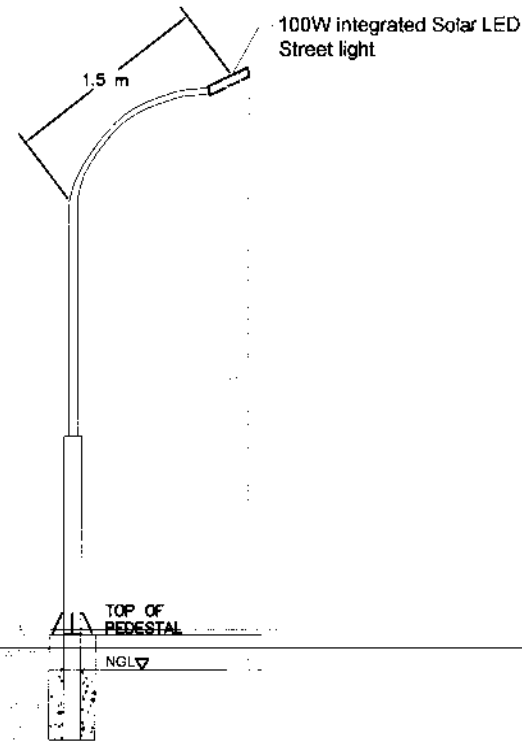
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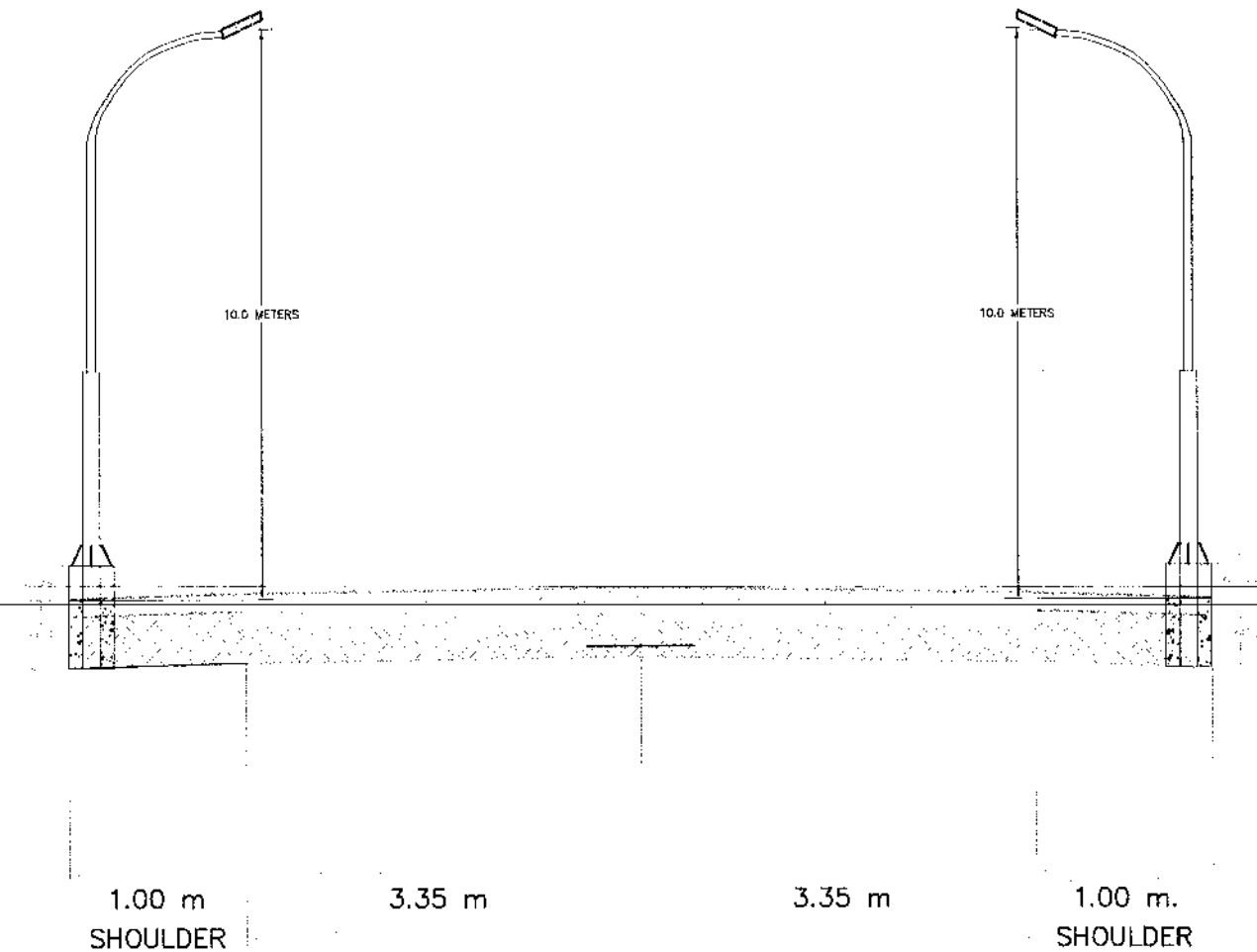
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GENERAL NOTES

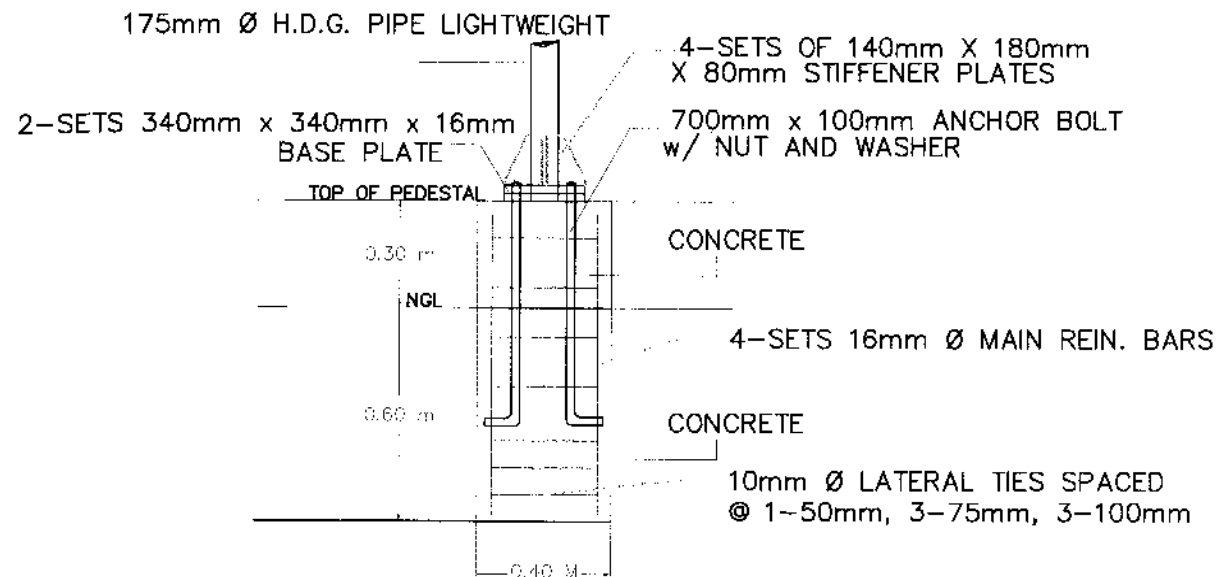
1. ALL WORK SHALL COMPLY WITH THE DPWH ROAD LIGHTING SPECIFICATION, AS WELL AS ALL OTHER CODES, RULES, AND REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
2. THE LUMINAIRE USED FOR THE STREET LIGHTING SYSTEM SHALL BE AN INTEGRATED SOLAR LED STREET LIGHT. THE SPECIFIED SUPPLEMENTAL PARAMETERS, INCLUDING LIGHTING ARRANGEMENT (STAGGERED PLACEMENT FOR THIS PROJECT), LAMP WATTAGE, AND POLE PLACEMENT, MUST CONFORM TO DEPARTMENT ORDER NO. 19, SERIES OF 2023, CONCERNING THE GUIDELINES AND STANDARD DESIGN DRAWINGS FOR SOLAR-POWERED ROADWAY LIGHTING ALONG NATIONAL ROADS.
3. ALL STREET LIGHTING INSTALLATIONS AND ELECTRICAL MATERIALS ARE SUBJECT TO INSPECTION AND APPROVAL BY THE PROJECT ENGINEER OR THEIR DESIGNATED REPRESENTATIVES DURING ALL PHASES OF CONSTRUCTION.



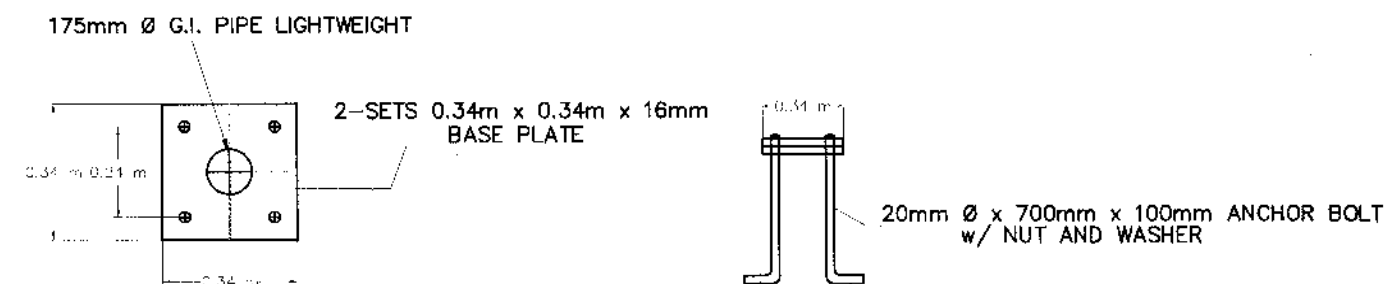
SINGLE ARM POST DETAIL
SCALE NOT TO SCALE



SECTION DETAIL
SCALE 1:100M



FOOTING DETAIL
SCALE NOT TO SCALE



BASE PLATE AND ANCHOR BOLT DETAIL
SCALE NOT TO SCALE

***Note:

Maximum Distance/Spacing of Poles is 25.0m



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE DISTRICT ENGINEER
ZAMBOANGA DEL SUR 1ST ENGINEERING DISTRICT
PAGADIAN CITY

PROJECT & LOCATION :

Motor Vehicle User's Charge (MVUC) as per R.A. 11239
Installation/Application of Road Safety Facilities (Roadway
Lighting) along Jct. Mahayag - Dumingag - Slayan -
Sindangan Rd., Dulop Dumingag Rd - K1690 + 473 -
K1689 + 748

SHEET CONTENT :

SINGLE ARM POST DETAIL
FOOTING DETAIL
BASE PLATE AND
ANCHOR BOLT DETAIL
GENERAL NOTES

DESIGNED :

ERZEN JAY B. RONDO
Engineering Aide

CHECKED :

GEOMAR A. GORTES
Engineer II

SUBMITTED :

JUDITH J. BAHIAN
Chief, Maintenance Section

RECOMMENDING APPROVAL :

MARIA U. FLOREN
DTC - Assistant District Engineer

APPROVED :

PABLO L. ESCUADRO, MPA
DTC - District Engineer

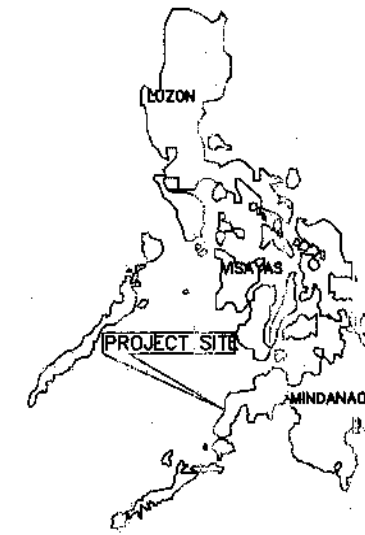
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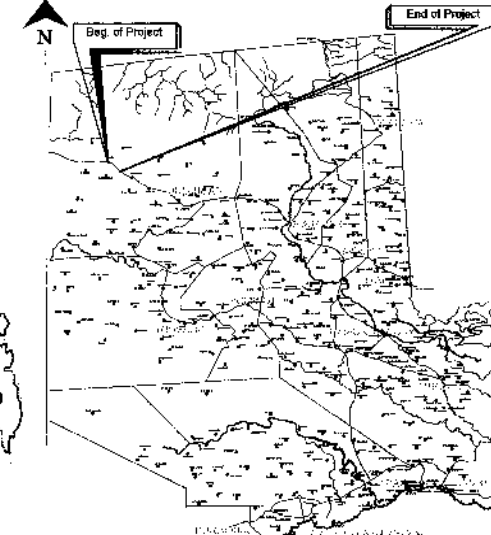
SHEET NO.

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Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
Region IX
Office of the District Engineer
Zamboanga del Sur 1st District Engineering Office
Pagadian City



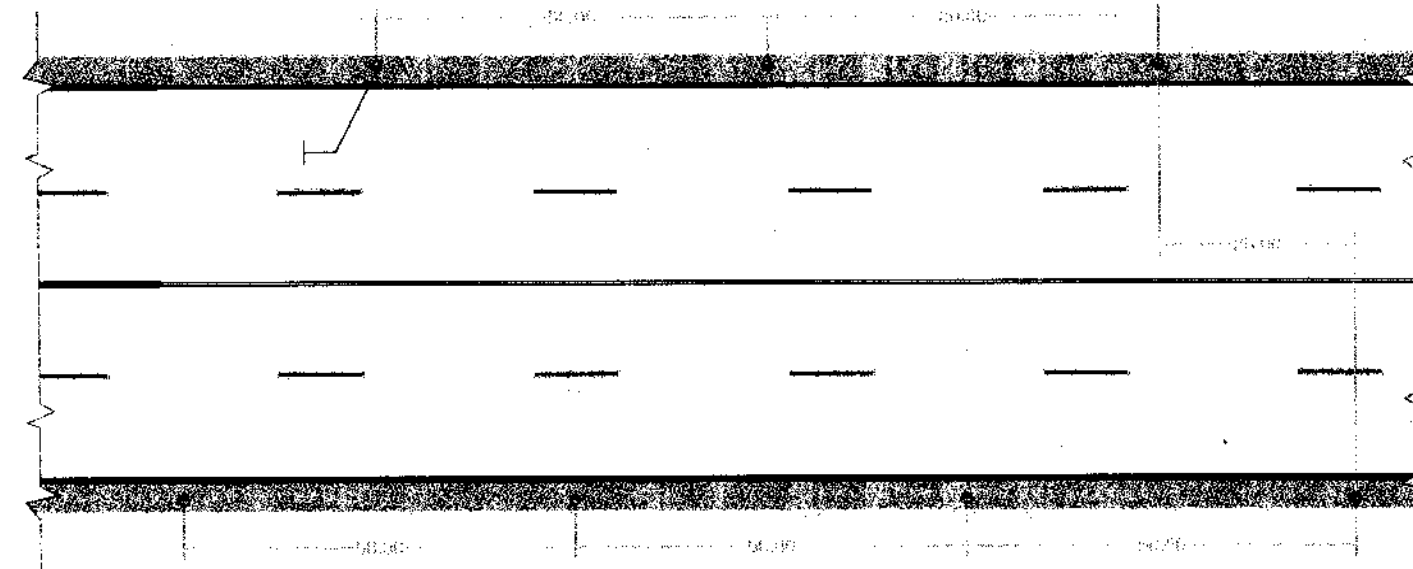
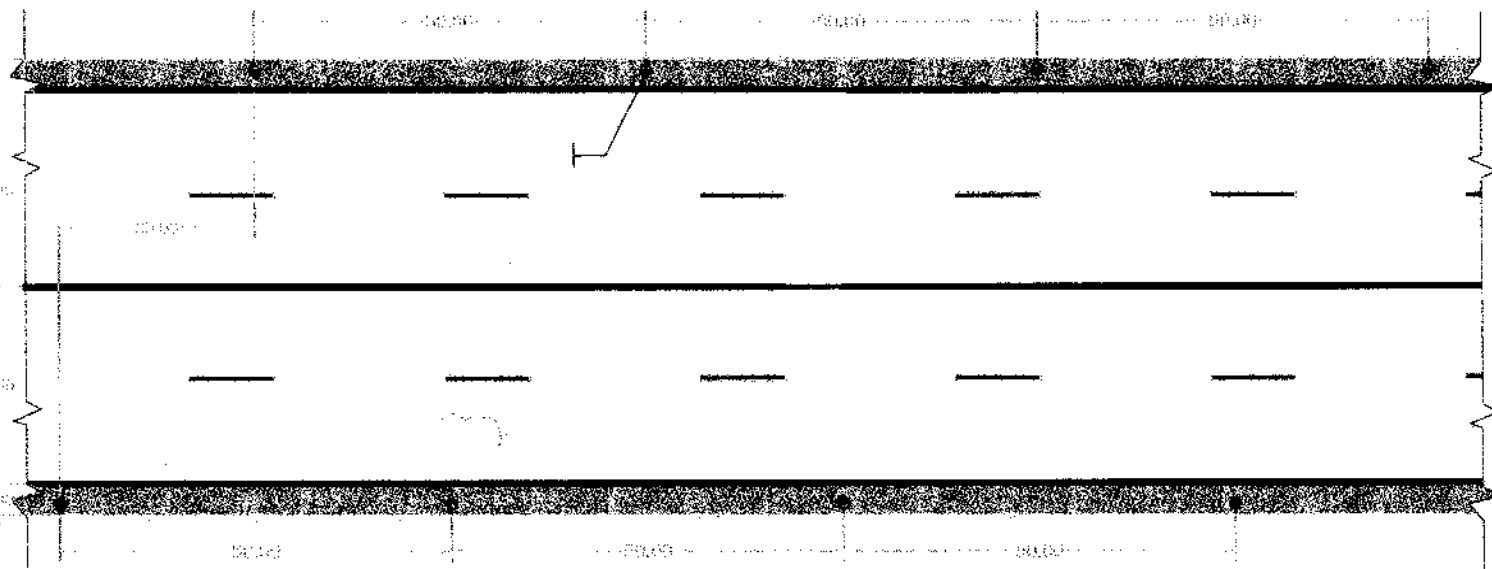
INDEX MAP



VICINITY MAP

C.Y. 2025 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR

INSTALLATION/APPLICATION OF ROAD SAFETY FACILITIES (ROADWAY
LIGHTING) ALONG JCT. MAHAYAG - DUMINGAG - SIAYAN - SINDANGAN RD -
K1690 + 473 - K1689 + 748.



BEGINNING OF PROJECT:
K1690 + 473

END OF PROJECT:
K1689 + 748



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE DISTRICT ENGINEER
ZAMBOANGA DEL SUR 1ST ENGINEERING DISTRICT
PAGADIAN CITY

PROJECT & LOCATION :
Motor Vehicle User's Charge (MVUC) as per R.A. 11239:
Installation/Application of Road Safety Facilities (Roadway
Lighting) along Jct. Mahayag - Dumingag - Siayan -
Sindangan Rd., Dulop Dumingag Rd - K1690 + 473 -
K1689 + 748
LOCATION : ERZEN, DULOP, DUMINGAG, ZDS

SHEET CONTENT :
INDEX MAP
VICINITY MAP
LOCATION MAP

DESIGNED :
DRAWN :
ERZEN JAY B. RONDOC
Engineering Aide
DATE :

CHECKED :
GEOMAR A. SORTES
Engineer II
DATE :

SUBMITTED :
JUDITH J. BAHIAN
Chief, Maintenance Section
DATE : 1/6/25

RECOMMENDING APPROVAL :
MARIA U. FLOREN
OIC, Assistant District Engineer
DATE : 1/6/25

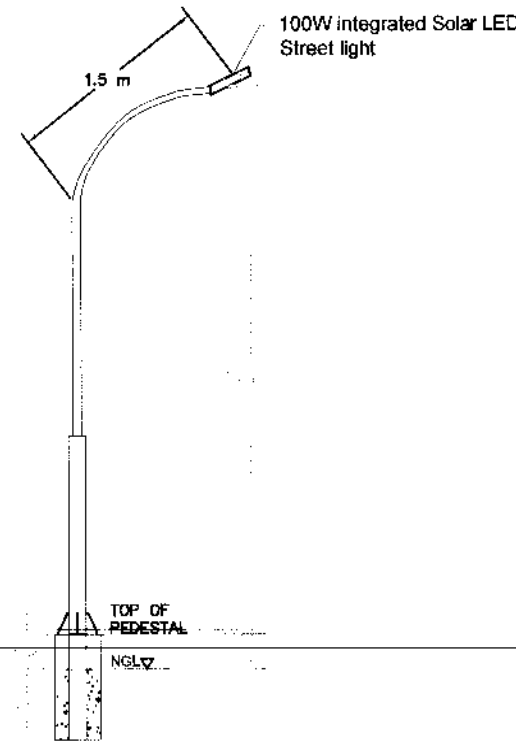
APPROVED :
PABLO J. ESCUADRO, MPA
OIC - District Engineer
DATE :

SET NO.
1

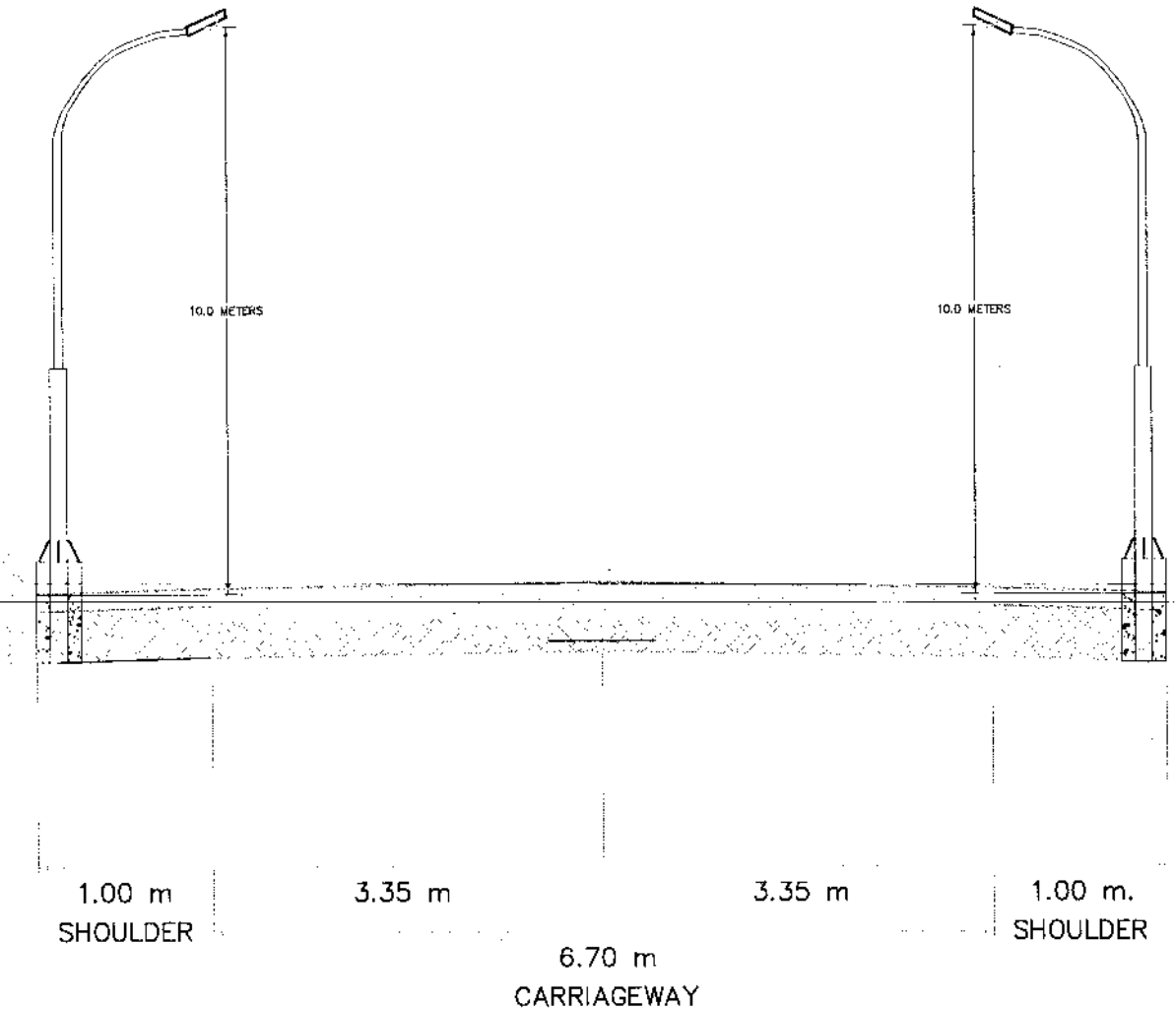
SHEET NO.
1/4

GENERAL NOTES

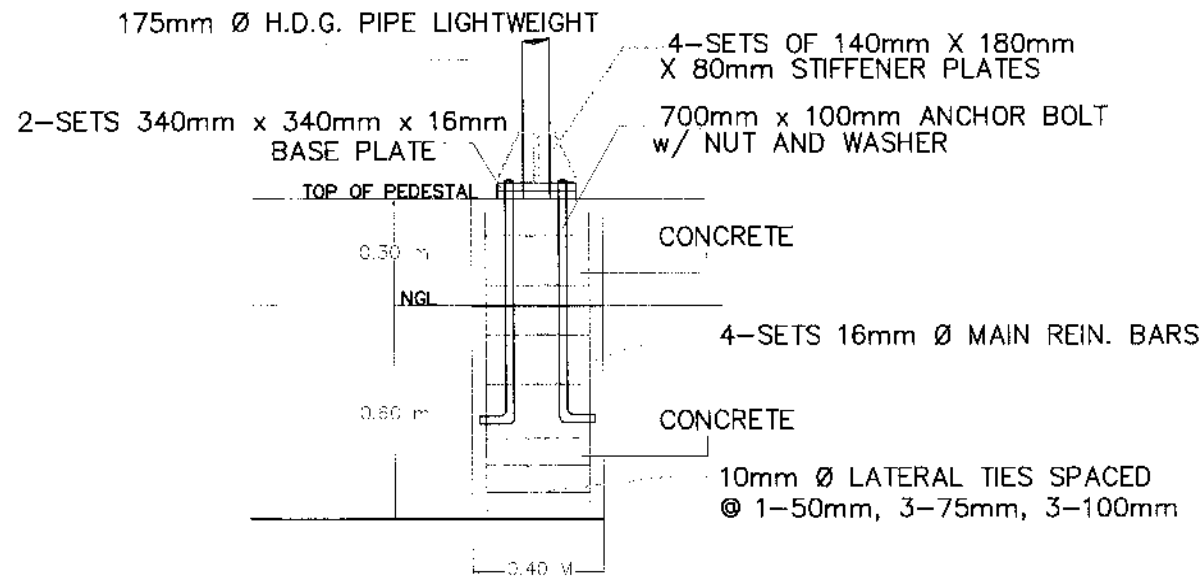
1. ALL WORK SHALL COMPLY WITH THE DPWH ROAD LIGHTING SPECIFICATION, AS WELL AS ALL OTHER CODES, RULES, AND REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
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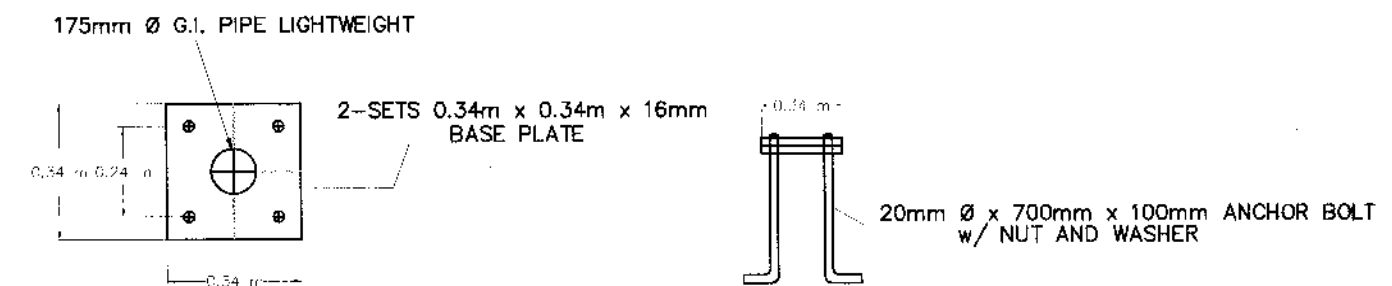
SINGLE ARM POST DETAIL
SCALE NOT TO SCALE



SECTION DETAIL
SCALE 1:100M



FOOTING DETAIL
SCALE NOT TO SCALE



BASE PLATE AND ANCHOR BOLT DETAIL
SCALE NOT TO SCALE

***Note:

Maximum Distance/Spacing of Poles is 25.0m



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE DISTRICT ENGINEER
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PROJECT & LOCATION :

Motor Vehicle User's Charge (MVUC) as per R.A. 11239:
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Lighting) along Jct. Mahayag - Dumanag - Slayan -
Sindangan Rd., Dulop Dumanag Rd - K1690 + 473 -
K1689 + 749

SHEET CONTENT :

SINGLE ARM POST DETAIL
FOOTING DETAIL
BASE PLATE AND
ANCHOR BOLT DETAIL
GENERAL NOTES

DESIGNED :

ERZEN JAY B. RONDO
Engineering Aide

CHECKED :

GEOMAR A. CORTES
Engineer II

SUBMITTED :

JUDITH J. BAHIAN
Chief, Maintenance Section

RECOMMENDING APPROVAL :

MARIA U. FLOREN
OIC - Assistant District Engineer

APPROVED :

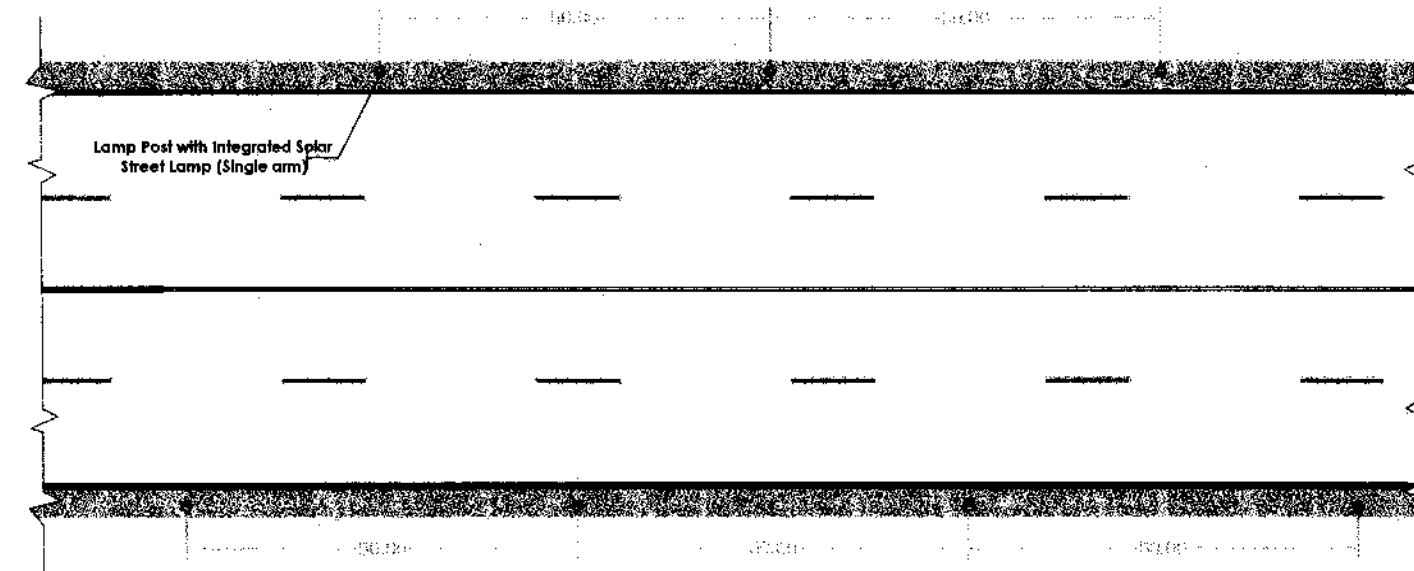
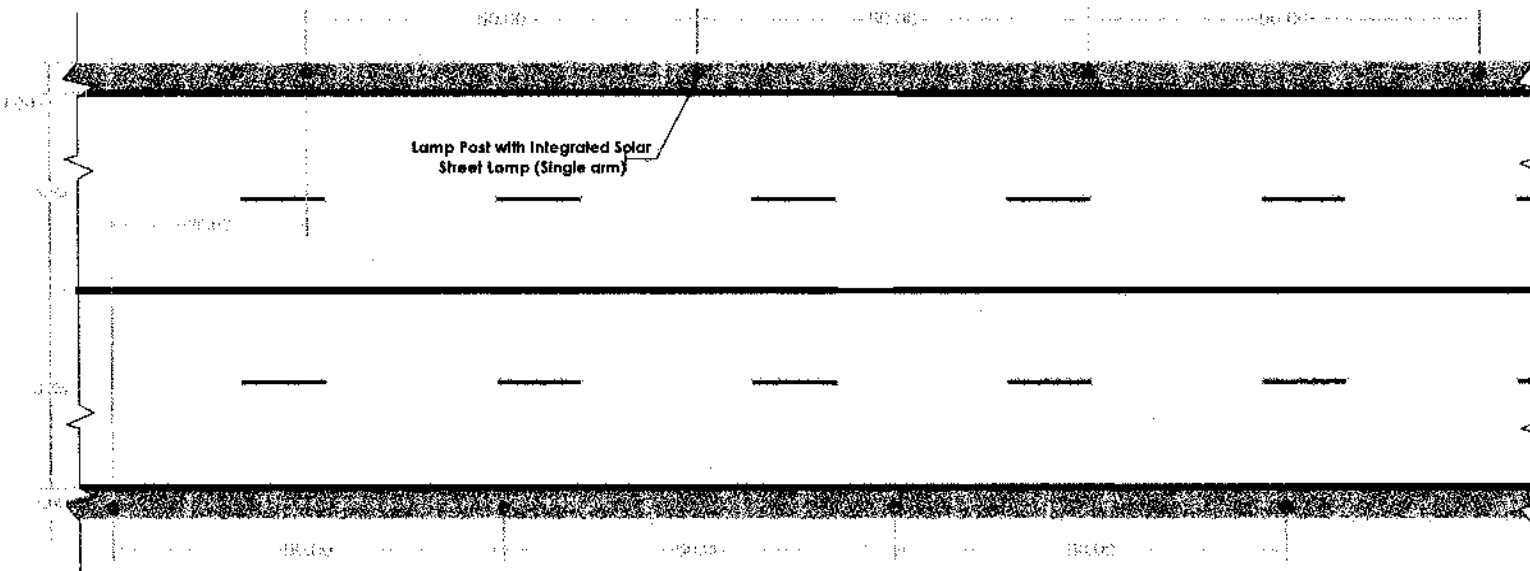
PABLO L. ESCUADRO, MPA
OIC - District Engineer

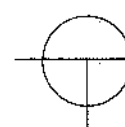
SET NO.

1

SHEET NO.

3/4




STAGGERED LIGHTING ARRANGEMENT
 SCALE NOT TO SCALE



REPUBLIC OF THE PHILIPPINES
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
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 ZAMBOANGA DEL SUR 1ST ENGINEERING DISTRICT
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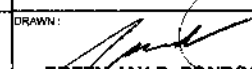
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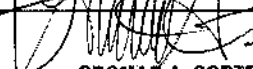
SHEET CONTENT :

STAGGERED LIGHTING ARRANGEMENT

DESIGNED :

DRAWN : 
ERZEN JAY B. PONDOC
 Engineering Staff
 DATE :

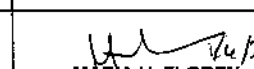
CHECKED :


GEOMAR A. CORTES
 Engineer II
 DATE :

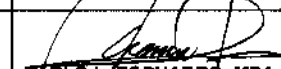
SUBMITTED :


JUDITH J. BAHIAN
 Chief, Maintenance Section
 DATE : 1/6/25

RECOMMENDING APPROVAL :


MARIA U. FLOREN
 OIC - Assistant District Engineer
 DATE : 1/6/25

APPROVED :


PABLO L. ESCUDERO, MPA
 OIC - District Engineer
 DATE :

SET NO.

1

SHEET NO.

4/4