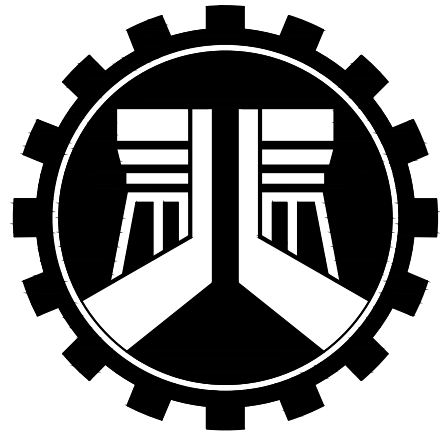




REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. IV-A
BATANGAS 2ND DISTRICT ENGINEERING OFFICE
KUMINTANG ILAYA, BATANGAS CITY

C.Y. 2025 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR
CONCRETING OF BRGY. CALO FMR, BRGY. CALO,
LOBO, BATANGAS
LOBO, BATANGAS

NET LENGTH = 568.00 L.M. / 1.136 LANE KM

SECTION 1
(START)
LATITUDE: 13.695945
LONGITUDE: 121.209371
(END)
LATITUDE: 13.695636
LONGITUDE: 121.209675

SECTION 2
(START)
LATITUDE: 13.695769
LONGITUDE: 121.209152
(END)
LATITUDE: 13.695747
LONGITUDE: 121.207707

SECTION 3
(START)
LATITUDE: 13.695178
LONGITUDE: 121.206590
(END)
LATITUDE: 13.693372
LONGITUDE: 121.206168

SUBMITTED:

GEMMA L. OLAN
CHIEF, PLANNING AND DESIGN SECTION
DATE:

RECOMMENDED:

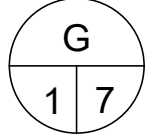
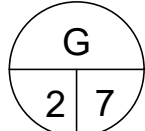
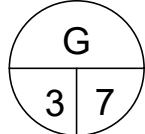
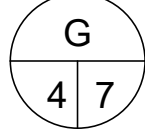
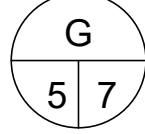
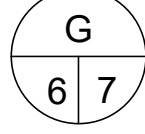
ARIEL V. ARMEDILLA
ASSISTANT DISTRICT ENGINEER
DATE:

APPROVED:

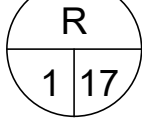
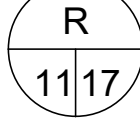
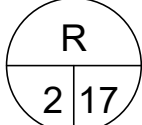
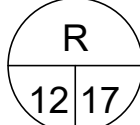
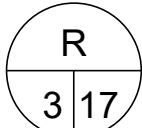
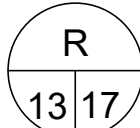
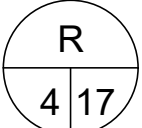
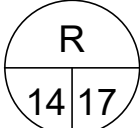
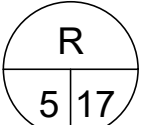
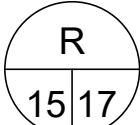
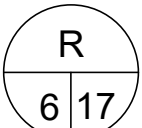
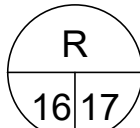
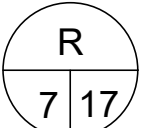
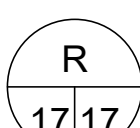
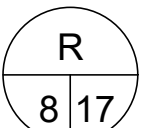
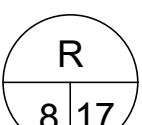
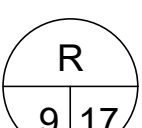
SONIA D. PAGLICAUAN
DISTRICT ENGINEER
DATE:

INDEX OF DRAWINGS

A. GENERAL

	COVER PAGE
	INDEX OF DRAWINGS
	GENERAL NOTES, ABBREVIATIONS, LEGEND
	VICINITY MAP, LOCATION MAP, LAYOUT PLAN
	SUMMARY OF QUANTITIES
	PROJECT BILLBOARD DETAIL
	PROJECT MARKER DETAIL

B. ROAD

	TYPICAL ROAD SECTION		CROSS SECTION (STA 0+200 - STA 0+260) SECTION 2
	TYPICAL ROAD SECTION W/ STONE MASONRY		CROSS SECTION (STA 0+280 - STA 0+320) SECTION 2
	STONE MASONRY DETAILS ISOMETRIC VIEW		CROSS SECTION (STA 0+420 - STA 0+480) SECTION 3
	STRAIGHT LINE DIAGRAM		CROSS SECTION (STA 0+500 - STA 0+560) SECTION 3
	STANDARD PORTLAND CEMENT CONCRETE PAVEMENT		CROSS SECTION (STA 0+580 - STA 0+640) SECTION 3
	GEOMETRIC DESIGN STANDARD HORIZONTAL AND VERTICAL		CROSS SECTION (STA 0+660 - STA 0+718) SECTION 3
	PLAN AND PROFILE STA. 0+000 - STA. 0+420		SCHEDULE OF QUANTITIES
	PLAN AND PROFILE STA. 0+420 - STA. 0+718		
	CROSS SECTION (STA 0+000 - STA 0+060) SECTION 1		
	CROSS SECTION (STA 0+120 - STA 0+180) SECTION 2		

GENERAL NOTES

- 1.0 SPECIFICATIONS :
- 1.1 ALL WORKS SHALL COMPLY WITH THE "DPWH STANDARD SPECIFICATIONS, 2013 EDITIONS, VOLUME II-HIGHWAYS, BRIDGES AND AIRPORTS", SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS TO THIS PROJECT.
- 2.0 DIMENSIONS :
- 2.1 ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- 2.2 DIMENSIONS ON DRAINAGE, TYPICAL ROAD SECTION AND STANDARD DRAWINGS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- 3.0 STATIONINGS AND RADIUS OF HORIZONTAL CURVE :
- 3.1 THE STATIONINGS OF HORIZONTAL ALIGNMENT OF THE PROJECT ROADS ARE RELATIVE TO THE CENTERLINE SHOWN ON THE PLANS.
- 3.2 STATIONINGS OF CIM, MH, AND OTHER STRUCTURES ARE RECKONED AT THE STATIONINGS OF THE CENTERLINE SHOWN ON THE PLANS.
- 3.3 THE RADIUS OF HORIZONTAL CURVE SHOWN ON THE PLAN WERE BASED ON THE ACTUAL LAID-OUT ROADWAY CENTERLINE.
- 4.0 HORIZONTAL CONTROLS :
1. GRID COORDINATES USED ON THIS PROJECT WAS BASED ON TRUE COORDINATES AT:
BM1: N=1,514,690.89 AND E=522,463.88 LOCATED ON OUR CONTROL POINTS USING RTK.
- 5.0 VERTICAL CONTROLS :
1. ELEVATIONS ARE ASSUMED BASED ON TRUE ELEVATIONS:
BM1: ELEV. 126.30 m
- 6.0 ELEVATIONS AND GRADES :
- 6.1 FINISHED GRADE ELEVATIONS ARE RELATIVE TO CENTERLINE OF EACH ROAD.
- 6.2 THE ELEVATIONS SHOWN ON THE ORIGINAL GROUND ON THE PLAN AND PROFILE ARE RELATIVE TO CENTERLINE OF THE ROAD.
- 7.0 ROAD CONNECTIONS AND PRIVATE ENTRANCES :
- 7.1 APPROACHES AND CONNECTIONS SHALL BE CONSTRUCTED BY THE CONTRACTOR AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER IN SUCH MANNER AS TO ENSURE SMOOTH CONNECTION AND RIDING QUALITY.
- 7.2 NO OPENING FOR DRIVEWAYS OR PRIVATE ENTRANCES SHALL BE ALLOWED ESPECIALLY ALONG CRITICAL SECTIONS EXCEPT WITH PRIOR APPROVAL OF THE PROPER AUTHORITIES.
- 8.0 DRAINAGE STRUCTURES :
- 8.1 LOCATIONS OF EXISTING DRAINAGE STRUCTURES REFLECTED IN THE PLAN WAS BASED ON THE TOPO SURVEY.
- 8.2 EXACT LOCATIONS, GRADIENTS OUTFALLS AND TOP AND INVERT ELEVATIONS OF DRAINAGE STRUCTURES SHALL BE CHECKED AND VERIFIED IN THE FIELD, DURING CONSTRUCTION BY THE ENGINEER. FIELD ADJUSTMENT MAY BE MADE BY THE ENGINEER TO SUIT ACTUAL FIELD CONDITIONS.
- 8.3 EXTENSIONS AND OTHER IMPROVEMENTS OF EXISTING DRAINAGE STRUCTURES ARE SUBJECT TO CHANGE AND SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.
- 8.4 PRIOR TO INSTALLATION OF RCPC AND OTHER DRAINAGE STRUCTURES. ALL MATERIALS MUST BE TESTED AND CONFORMING WITH THE TECHNICAL SPECIFICATION.
- 8.5 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY MATERIALS INSTALLED AND FOUND TO BE DEFICIENT IN WORKMANSHIP AND QUALITY OF WORK.
- 8.6 INLETS AND OUTLETS OF NEW AND EXISTING CULVERTS TO BE UTELIZED SHOULD BE CHANNELIZED AND CLEARED OF DEBRIS IN ORDER TO HAVE A SMOOTH FLOW OF WATER.

- 9.0 REMOVAL OF EXISTING STRUCTURES AND RELOCATION OF EXISTING UTILITIES :
- 9.1 REMOVAL OF EXISTING BUILDING, HOUSES, AND FENCES, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, THEY WILL BE PAID ACCORDING TO THE CONTRACT.
- 9.2 PORTIONS OF EXISTING UTILITIES, SUCH AS WATER LINES, TELEPHONE TRUNK LINES, ELECTRIC LINES ETC. THAT MAY OBSTRUCT THE CONSTRUCTION OF THE PROJECT SHALL BE RELOCATED BY THE ENTITIES OR OWNER'S CONCERNED. EXTREME PRECAUTION SHALL BE EXERCISED BY THE CONTRACTOR SO AS NOT TO DAMAGE THE EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE THEREOF SHALL BE ON THE ACCOUNT OF THE CONTRACTOR.
- 10.0 ROAD SIGNS :
- 10.1 ROAD SIGNS SHALL CONFORM WITH THE LATEST MANUAL ON PHILIPPINES ROAD SIGNS (REVISED EDITION) OF THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS, TRAFFIC ENGINEERING AND MANAGEMENT PROJECTS.
- 11.0 ACCESSIBILITY LAW (GAD RELATED) :
- 11.1 STRICT COMPLIANCE WITH BATAS PAMBANSA BILANG 344 AND ITS IMPLEMENTING RULES AND REGULATIONS SHALL BE IMPOSED.
- 12.0 DESIGN DATA / REFERENCE :
- 12.1 THE DESIGN DATA ADOPTED IN THIS PROJECT WAS MAINLY ESTABLISHED WITH REFERENCE TO AASHTO'S. A POLICY ON GEOMETRIC DESIGN OF HIGHWAY AND STREETS DESIGN GUIDELINES, CRITERIA AND STANDARDS (DGCS) DPWH.
- 12.2 GUIDELINES FOR ROAD DRAINAGE, DPWH.
- 13.0 STANDARD DRAWINGS :
- 13.1 THE NECESSARY DRAWINGS CONTAINED IN THE DPWH STANDARD DRAWINGS FOR ROADS AND BRIDGES SHALL BE UTELIZED FOR THIS PROJECT, UNLESS OTHERWISE A MORE DETAILED DRAWING IS SPECIFIED AND/OR PROVIDED AND APPROVED.
- 13.2 AS-STAKE PLAN CONDUCTED PRIOR TO CONSTRUCTION SHALL BE THE BASIS OF THE PAYMENT

L E G E N D :

	ROUTED RIPRAP EXISTING		BOX CULVERT EXISTING
	STONE MASONRY		BOX CULVERT NEW
	CUT AND FILL SECTION		PLAN FULL KM STATION
	ROAD SIGN		PROJECT ROAD
	TREES		EXISTING BRIDGE
	POINT OF INTERSECTION		RIVER / CREEK
	ORIGINAL GROUND		COMMERCIAL
	KILOMETER POST		REFERENCE POINT
	NORTH SIGN		STATION
	BENCH MARK		LENGTH OF VERTICAL CURVE
	RECTANGULAR CULVERT		RROW
	FLOW		PROPOSED BRIDGE
	PIPE CULVERT EXISTING		EXISTING PAVEMENT
	PIPE CULVERT NEW		PARAPET WALL PLAN
	GATE VALVE		ROAD WIDENING
	STEEL LIGHT POST		CONTOUR-MAJOR
	CONCRETE ELECTRIC POST		CONTOUR-MINOR
	MANHOLE		SIGN POST
	DEEP WELL		PLDT
	GATE		STEEL TELEPHONE POST
	TRANSCO		CONCRETE TELEPHONE POST
	CURB INLET		MANILA WATER SEWERAGE SYSTEM

ABBREVIATIONS :

ACP	ASPHALT CONCRETE PAVEMENT	M	METER
AZIM	AZIMUTH	Max	MAXIMUM
BLDG	BUILDING	MH	MANHOLE
BM	BENCH MARK	mm	MILLIMETER
BOQ	BILL OF QUANTITIES	Mo	MIDDLE ORDINATE
BR	BRIDGE	MUN	MUNICIPAL
BRDY	BOUNDARY	MASS	MANILA WATER SEWERAGE SYSTEM
BRDY	BARANGAY	NB	NORTH BOUND
BVCE	BEGIN OF VERTICAL CURVE ELEV.	O.C.	ON CENTER
BVCS	BEGIN OF VERTICAL CURVE STATION	OIE	OUTLET INVERT ELEVATION
BW	BOTHWAYS	PC	POINT OF CURVATURE
CEP	CONCRETE ELECTRIC POST	PCCP	PORTLAND CONCRETE CEMENT PAVEMENT
CIM	CURB INLET MANHOLE	PI	POINT OF INTERSECTION
CL	CENTERLINE	PT	POINT OF TANGENCY
CM	CENTIMETER	PVI	POINT OF VERTICAL INTERSECTION
CS	CURB TO SPIRAL	PVC	POINT OF VERTICAL CURVE
CTP	CONCRETE TELEPHONE POST	PVT	POINT OF VERTICAL TANGENCY
CJ	CULVERT	R	RADIUS
D	DEGREE OF CURVE	RC	REINFORCED CONCRETE
DIST.	DISTANCE	RCBC	REINFORCED CONCRETE BOX CULVERT
DU - 01	DRAINAGE MANHOLE MEMBER	RCPC	REINFORCED CONCRETE PIPE CULVERT
DPWH	DEPARTMENT OF PUBLIC WORKS AND HIGHWAY	RD	ROAD
E	EXTERNAL DISTANCE/EASTING	RROW	ROAD RIGTH - OF - WAY
e	SUPERELEVATION	RT	RIGHT
EB	EAST BOUND	S	NORMAL CROSSFALL
ELEV.	ELEVATION	SB	SOUTH BOUND
EXTG.	EXISTING	SHLDR	SHOULDER
G	GRADIENT	STA	STATION
GV	GATE VALVE	STD	STANDARD
HOR	HORIZONTAL	STP	STEEL TELEPHONE POST
I	INTERSECTION ANGLE	SW	SOUTH WEST
I.I.E	INLET INVERT ELEVATION	T	TANGENT
INTL	INTERNATIONAL	TBM	TEMPORARY BENCH MARK
KMS	KILOMETERS	VC	VERTICAL CURVE
L	LENGTH	VERT. V	VERTICAL
Lc	LENGTH OF HORIZONTAL CURVE	W	WIDENING
Lm	LINEAR METER	WB	WEST BOUND
LP	STEEL LIGHT POST	WW	WINGWALL
LT	LEFT	Ø	DIAMETER
LVC	LENGTH OF VERTICAL CURVE	N C	NORMAL CROWN



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. IV-A
BATANGAS 2ND DISTRICT
ENGINEERING OFFICE
KUMINTANG ILAYA, BATANGAS CITY

PROJECT NAME AND LOCATION:

CONCRETING OF BRGY. CALO FMR, BRGY. CALO LOBO, BATANGAS

LOBO, BATANGAS

SHEET CONTENT:

GENERAL NOTES
ABBREVIATIONS
LEGEND

DRAFTED:

DESIREE M. ESCAREZ
ENGINEER II

PREPARED:

JUNEIL RAY M. CHAVEZ
ENGINEER II

REVIEWED :

BRYAN EDWARD R. ANDAL
ENGINEER II

DATE:

SUBMITTED :

GEMMA L. OLAN
CHIEF, PLANNING AND DESIGN SECTION

DATE:

RECOMMENDED:

ARIEL V. ARMEDILLA
ASSISTANT DISTRICT ENGINEER

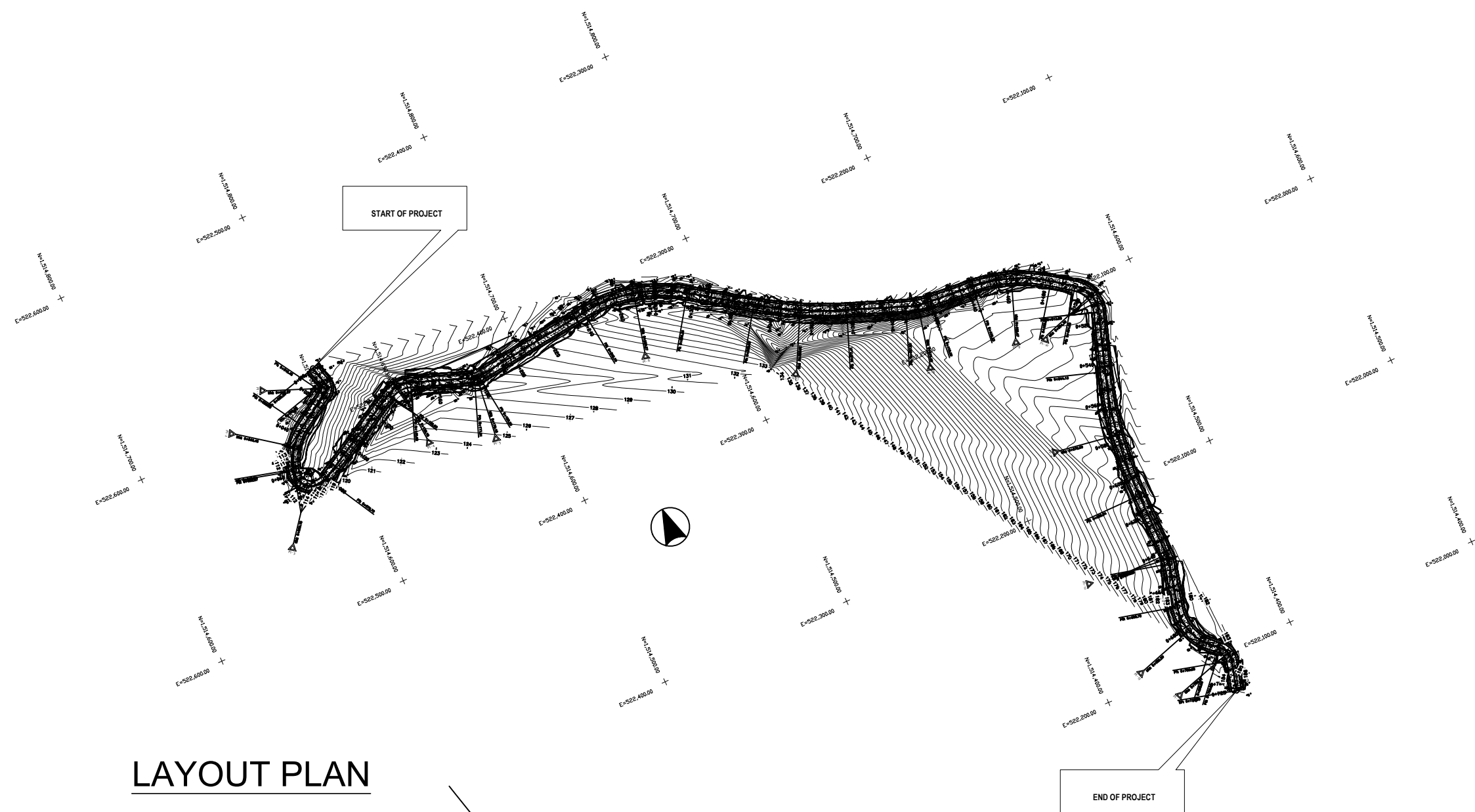
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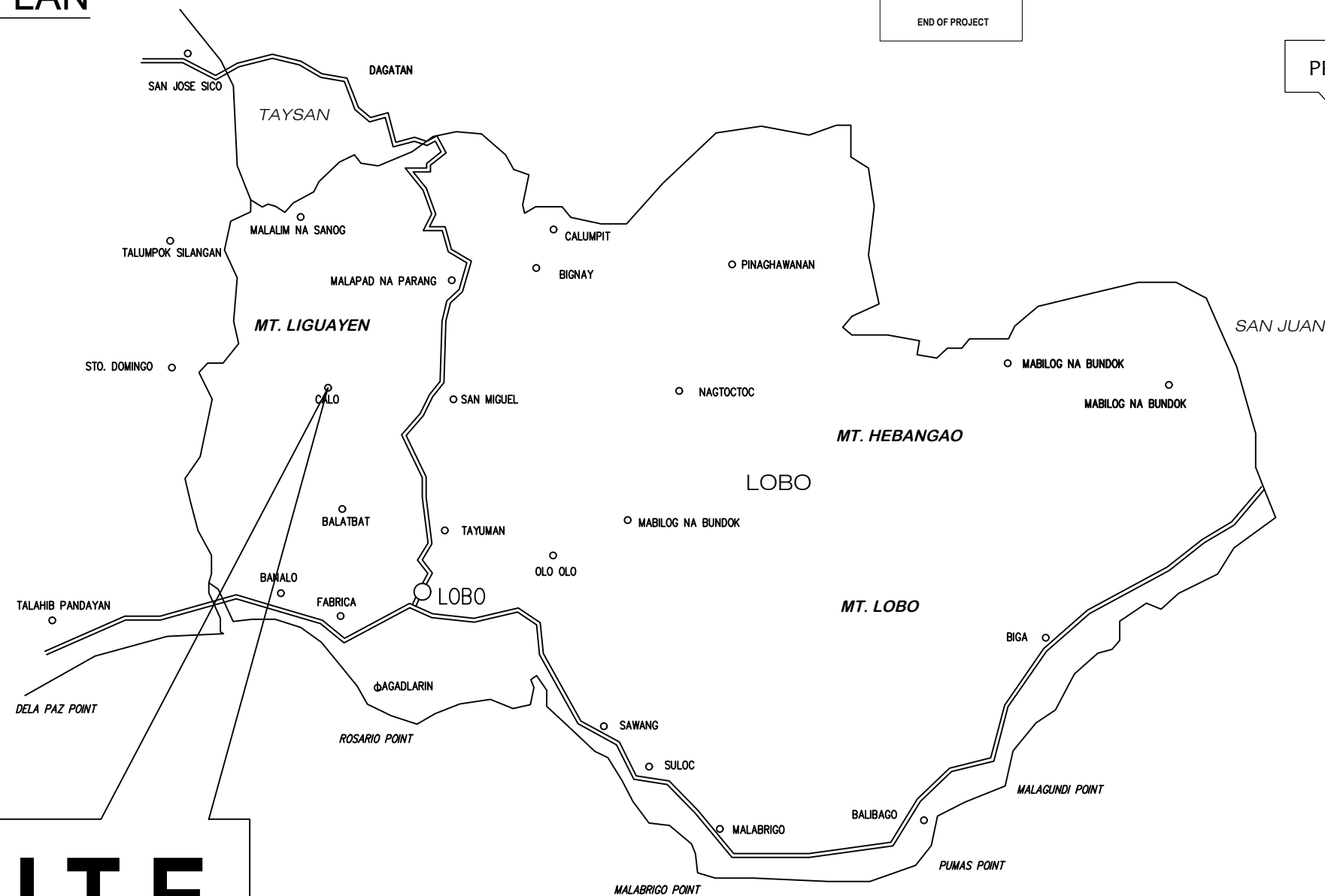
SONIA D. PAGLICAUAN
DISTRICT ENGINEER

DATE:

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SHEET NO. 3 24

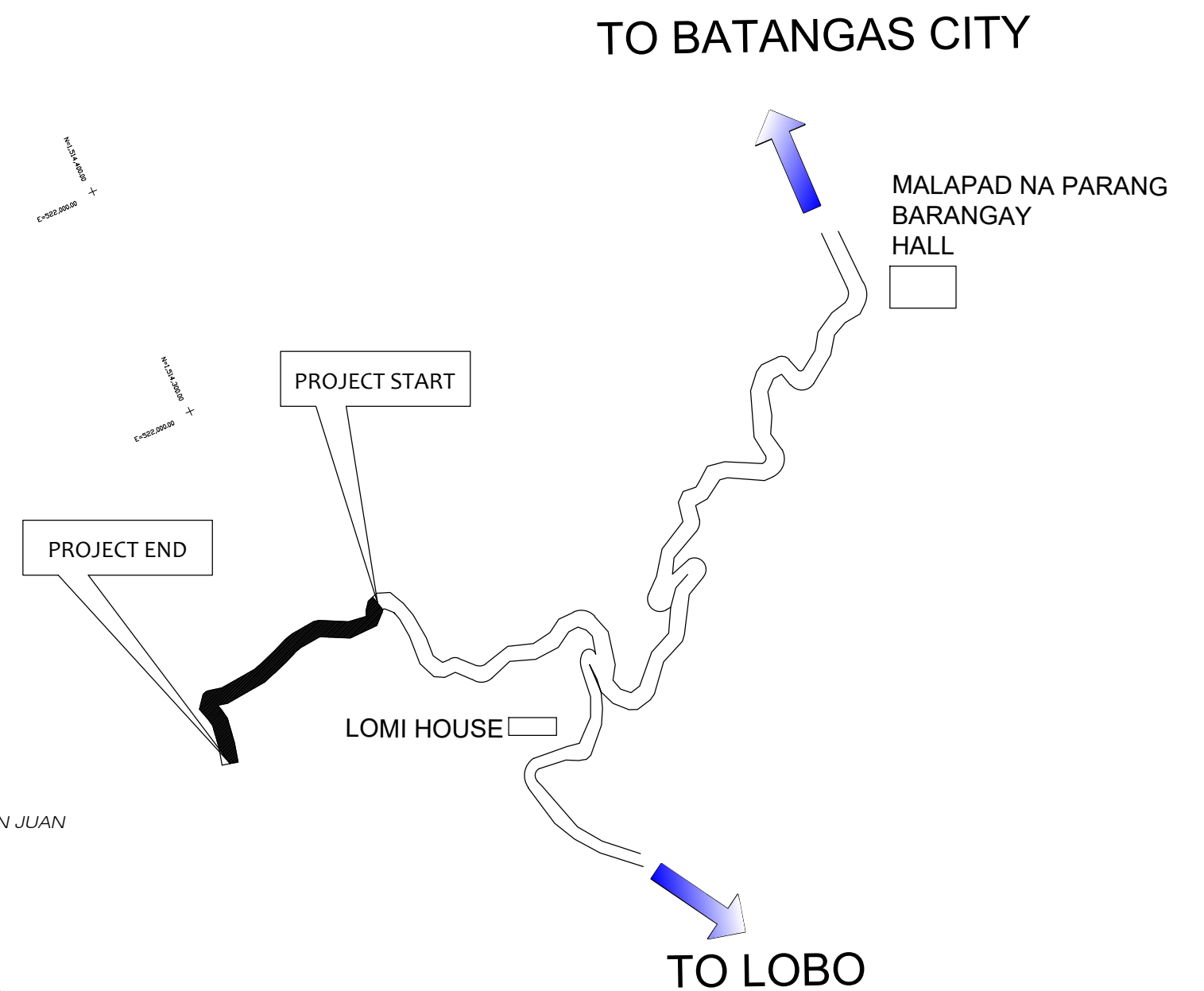


LAYOUT PLAN



SITE

LOCATION MAP



VICINITY MAP

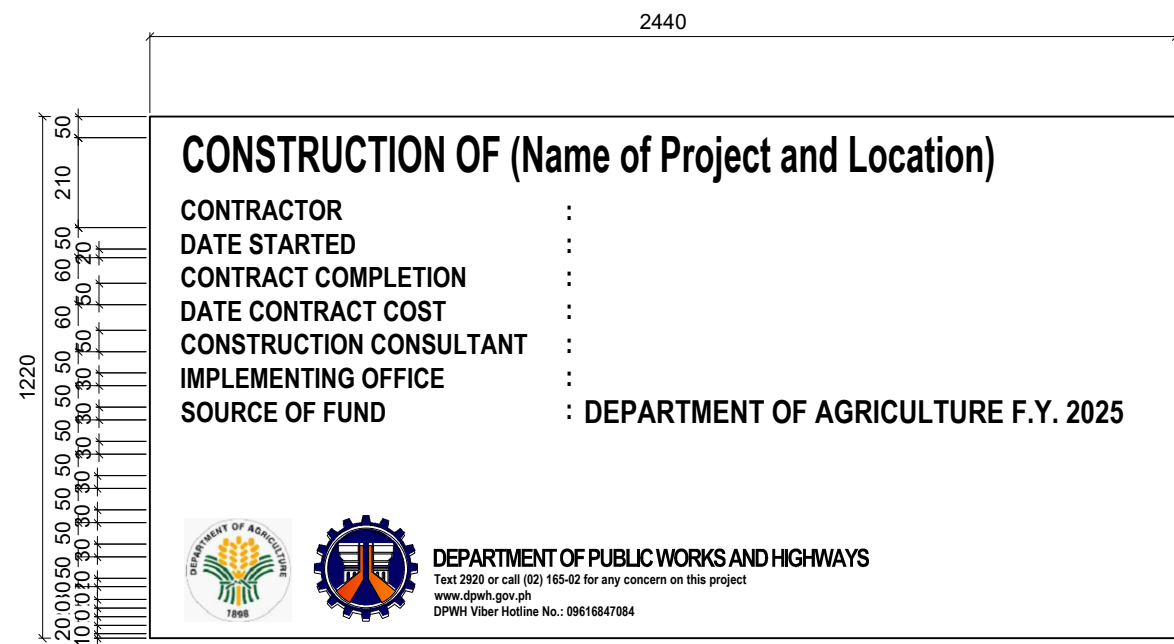
 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. IV-A BATANGAS 2ND DISTRICT ENGINEERING OFFICE KUMINTANG ILAYA, BATANGAS CITY	PROJECT NAME AND LOCATION:	SHEET CONTENT:	DRAFTED:	REVIEWED :	SUBMITTED :	RECOMMENDED:	APPROVED:	SET NO.	SHEET NO.
	CONCRETING OF BRGY. CALO FMR, BRGY. CALO LOBO, BATANGAS LOBO, BATANGAS	LAYOUT MAP LOCATION MAP VICINITY MAP	DESIREE M. ESCAREZ ENGINEER II JUNEIL RAY M. CHAVEZ ENGINEER II	BRYAN EDWARD R. ANDAL ENGINEER II	GEMMA L. OLAN CHIEF, PLANNING AND DESIGN SECTION	ARIEL V. ARMEDILLA ASSISTANT DISTRICT ENGINEER	SONIA D. PAGLICAUAN DISTRICT ENGINEER	G 4 7	4 24

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QTY	UNIT	REMARKS
PART A	FACILITIES FOR THE ENGINEER			
A.1.1 (8)	Provision of Field Office for the Engineer (Rental Basis)	6.20	Month	
A.1.4 (1)	Provision of Progress Photographs	6.20	Month	
PART B	OTHER GENERAL REQUIREMENTS			
B.5	Project Billboard / Signboard	2.00	Each	Note "1 Each" corresponds to a set of 1 DPWH & 1 COA Billboard
B.7 (2)	Occupational Safety and Health Program	1.00	Lump Sum	
B.8 (1)	Traffic Management	6.20	Month	
B.9	Mobilization / Demobilization	1.00	Lump Sum	
B.16	Recognition Plate/Project Marker	2.00	Each	
PART C	EARTHWORK			
100 (1)	Clearing and Grubbing	0.40	Hectare	
102 (2)	Surplus Common Excavation	5,587.00	cu.m.	
104 (1) a	Embankment from roadway/structure excavation, Common Soil	1,438.00	cu.m.	
105 (1) a	Subgrade Preparation, Common Material	3,976.00	sq.m.	
PART D	SUBBASE AND BASE COURSE			
200 (1)	Aggregate Subbase Course	1,022.40	cu.m.	
PART E	SURFACE COURSES			
311 (1) b1	Portland Cement Concrete Pavement (Unreinforced), 0.20 m thick, 14 days	2,840.00	sq.m.	
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES			
506 (1)	Stone Masonry	511.20	cu.m.	

NOTE:

1. THE STAKE-OUT SURVEY BETWEEN CONTRACTOR AND THE GOVERNMENT SHALL BE CONSIDERED AS THE FINAL PLAN.
2. THE ITEM OF WORK IDENTIFIED WITH THE CORRESPONDING COMPUTED QUANTITIES IN THE APPROVED JOINT AS-STAKE SURVEY PLANS WILL BE THE BASIS OF PAYMENT.

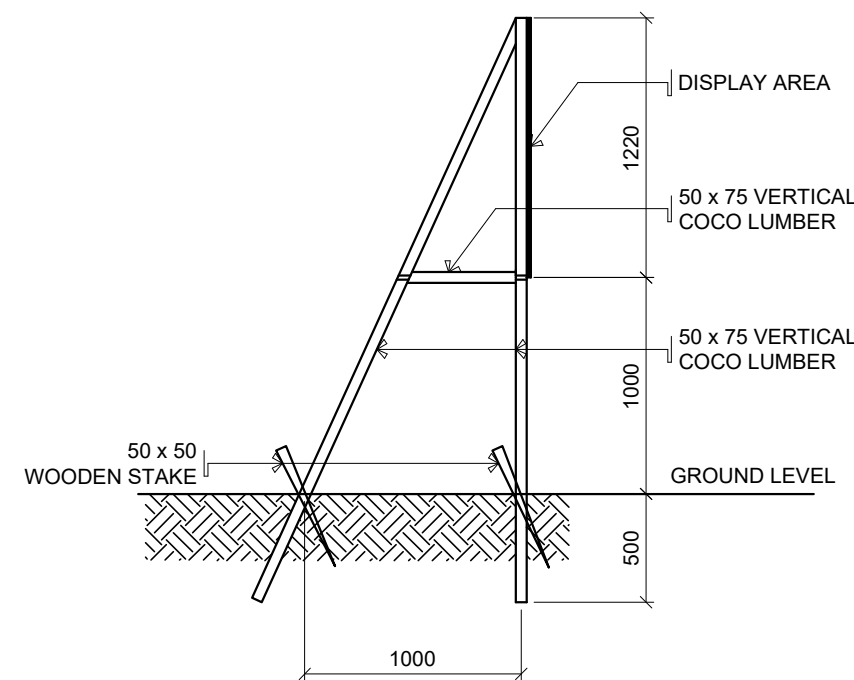
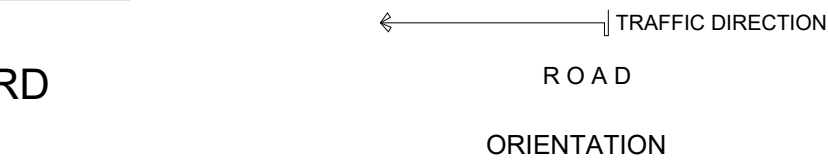


DPWH STANDARD PROJECT BILLBOARD

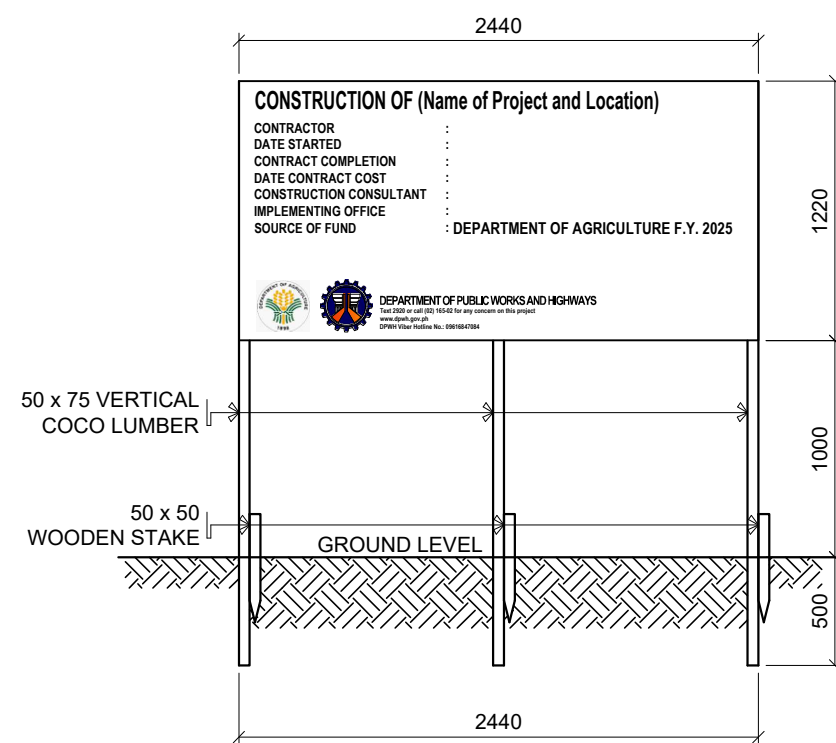
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AS PER DEPARTMENT ORDER NO. 021 SERIES OF 2017

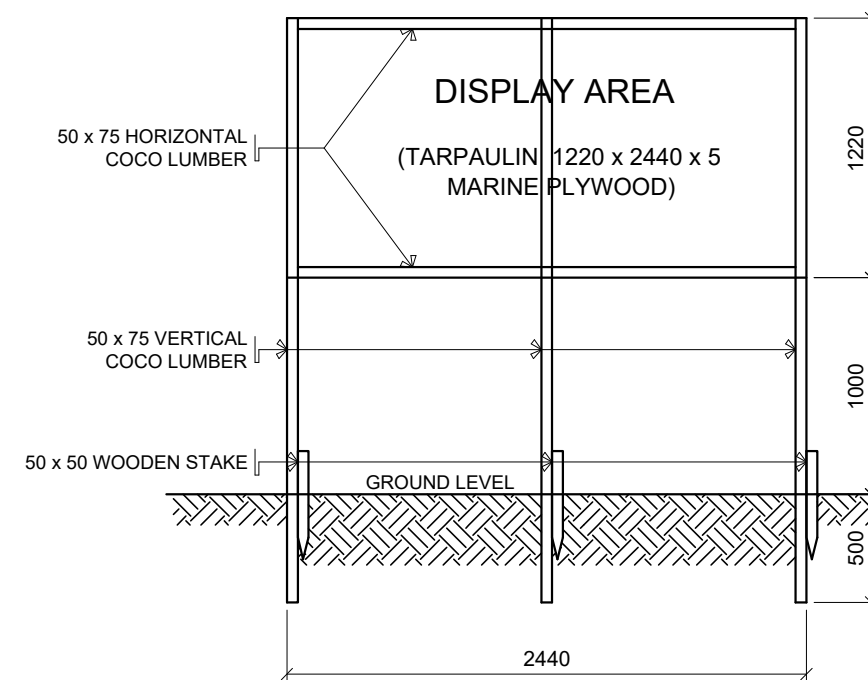
1. THE NEW BILLBOARD DESIGN LAYOUT AND DIMENSION (SEE DRAWING) SHALL BE INSTALLED ON A STANDARD BILLBOARD MEASURING 1220mm. x 2440mm. USING 12mm. (1/2 inch) THICK MARINE PLYWOOD OR TARPAULIN POSTED ON 5mm. (3/16 inch) MARINE PLYWOOD.
2. FOR EACH BUILDING PROJECT, THE BILLBOARD SHALL BE INSTALLED IN FRONT OF THE PROJECT SITE.
3. FOR EACH ROAD/BRIDGE/FLOOD CONTROL PROJECT, TWO BILLBOARDS SHALL BE INSTALLED, I.E., ONE AT THE BEGINNING AND ONE AT THE END OF THE PROJECT.
4. FOR ROAD PROJECTS WITH LENGTH OF 10 KILOMETERS OR MORE, BILLBOARD(S) SHALL ALSO BE INSTALLED AT EVERY 5 KILOMETERS INTERVAL.
5. NAME(S) AND/OR PICTURE(S) OF ANY PERSONAGES SHOULD NOT APPEAR IN THE BILLBOARD.
6. NO POLITICAL BILLBOARDS SHALL BE ALLOWED TO BE INSTALLED 100 METERS BEFORE AND 100 METERS AFTER ALL DPWH PROJECTS AND IN BETWEEN THE PROJECT LIMITS OR WITHIN THE ROAD RIGHT-OF-WAY.
7. DPWH CONTRACTORS SHALL NOT BE ALLOWED TO PLACE NAMES OF POLITICIANS ON THEIR EQUIPMENT OR CARRY POLITICAL BILLBOARD ON THEIR EQUIPMENT.



TYPICAL FRAME ELEVATION



FRONT ELEVATION



REAR ELEVATION

2440

2400

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
BATANGAS 2ND DISTRICT ENGINEERING OFFICE

Project : _____ Cost : _____
Location : _____ Fund Source/s : Department of Agriculture F.Y. 2025

Implementing Agency/ies : _____
Development Partner/s : _____
Contractor/Supplier : _____
Brief Description of Project : _____

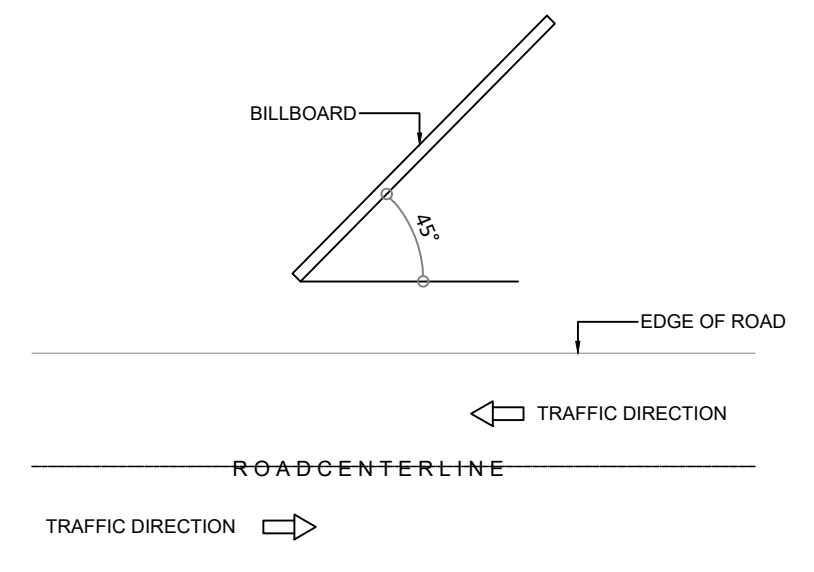
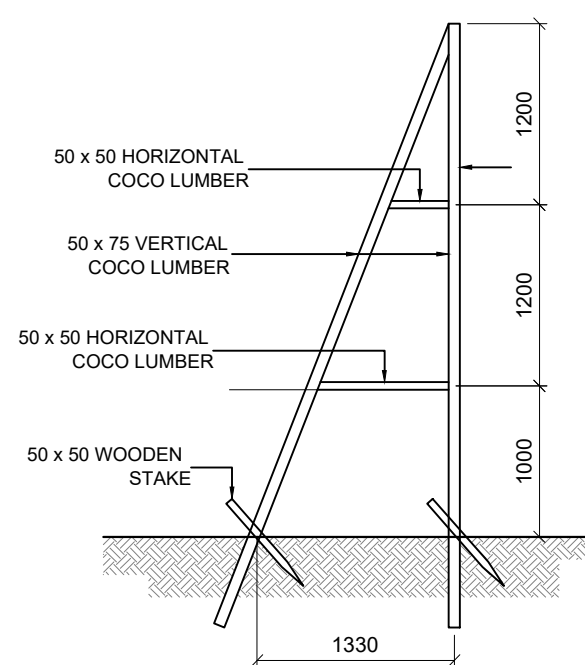
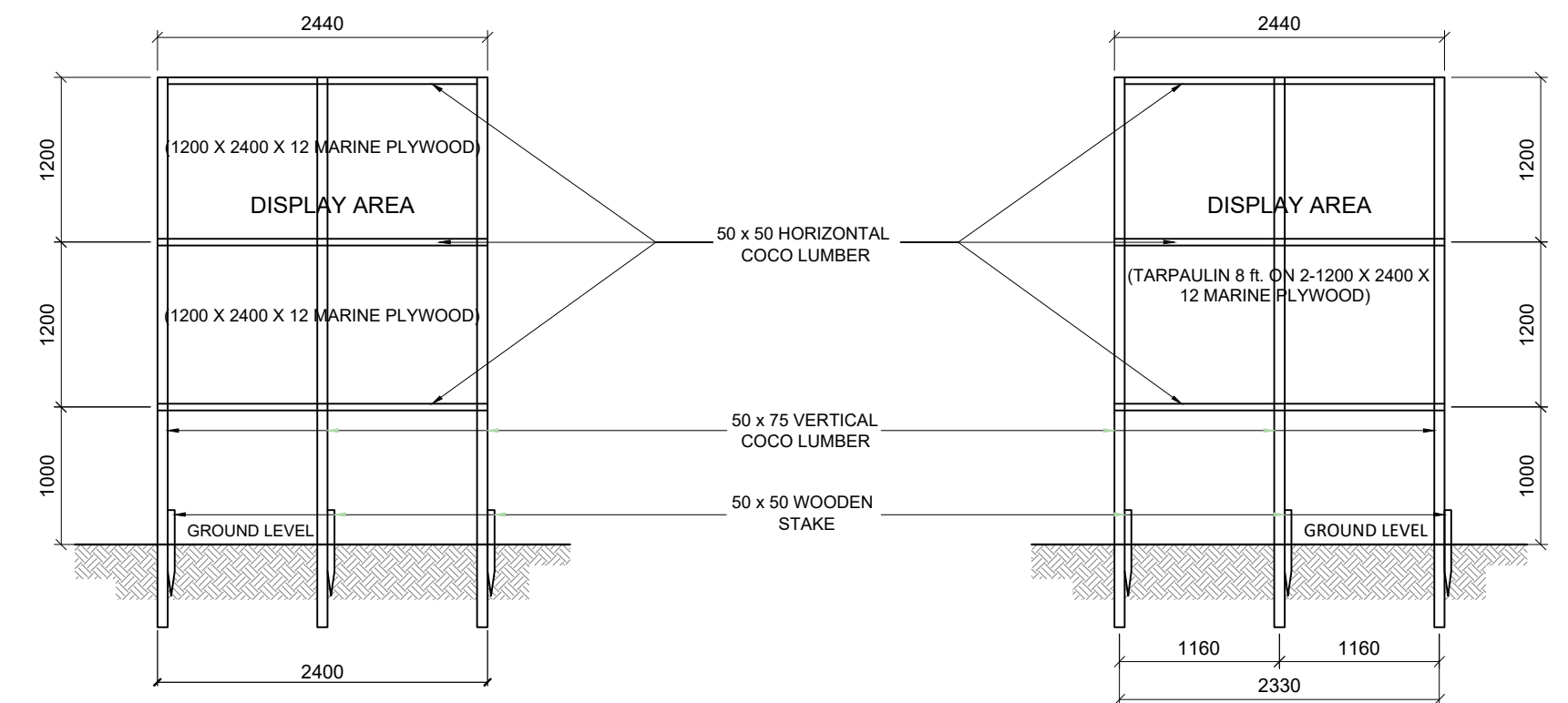
Project Date			Project Status				
Duration	Started	Target Date of Completion	Percentage of Completion	As of (Date)	Cost Incurred to Date	Date Completed	Remarks

For particulars or complaints about this project, please contact the Regional Office or Cluster which has audit jurisdiction on this project :

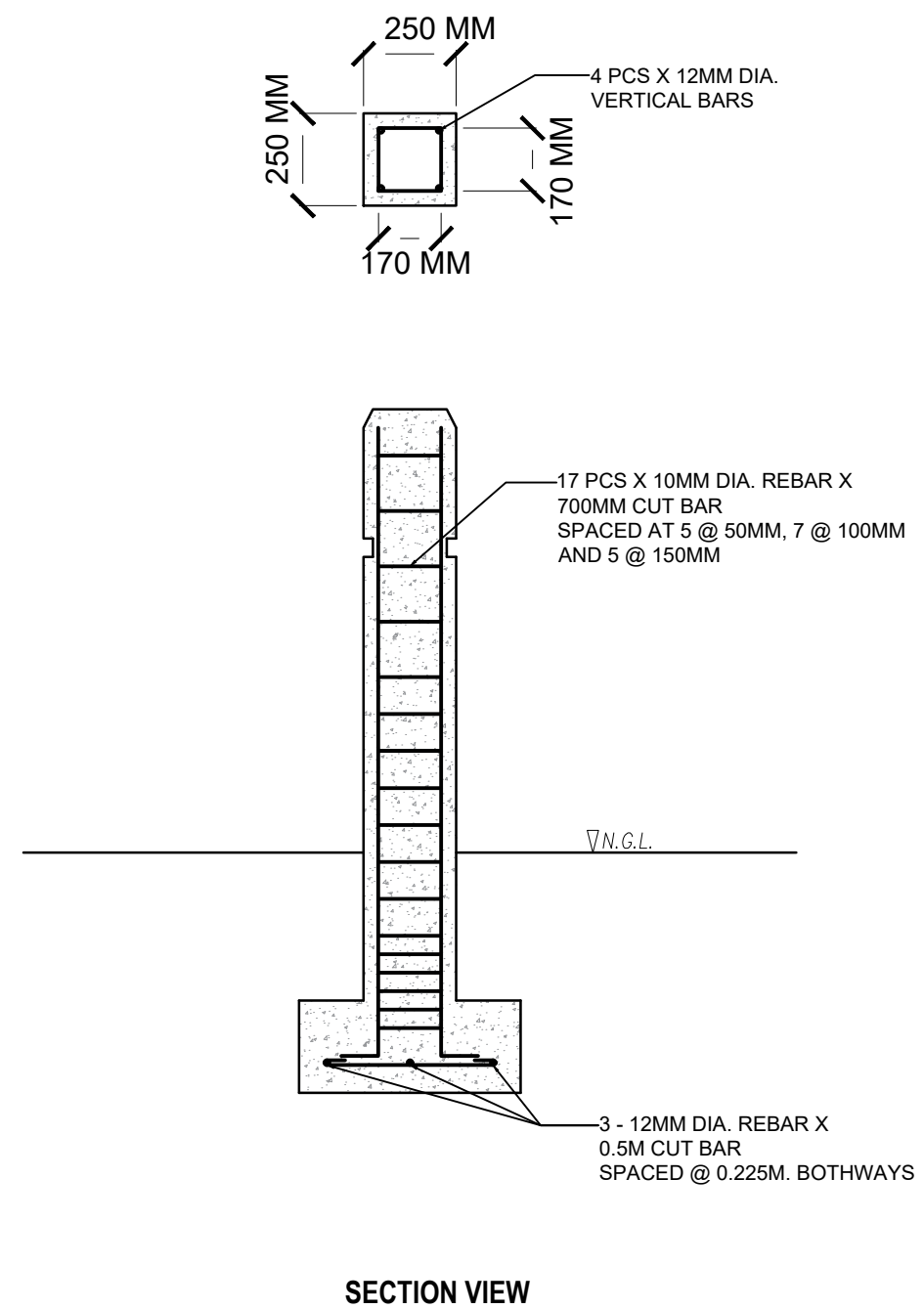
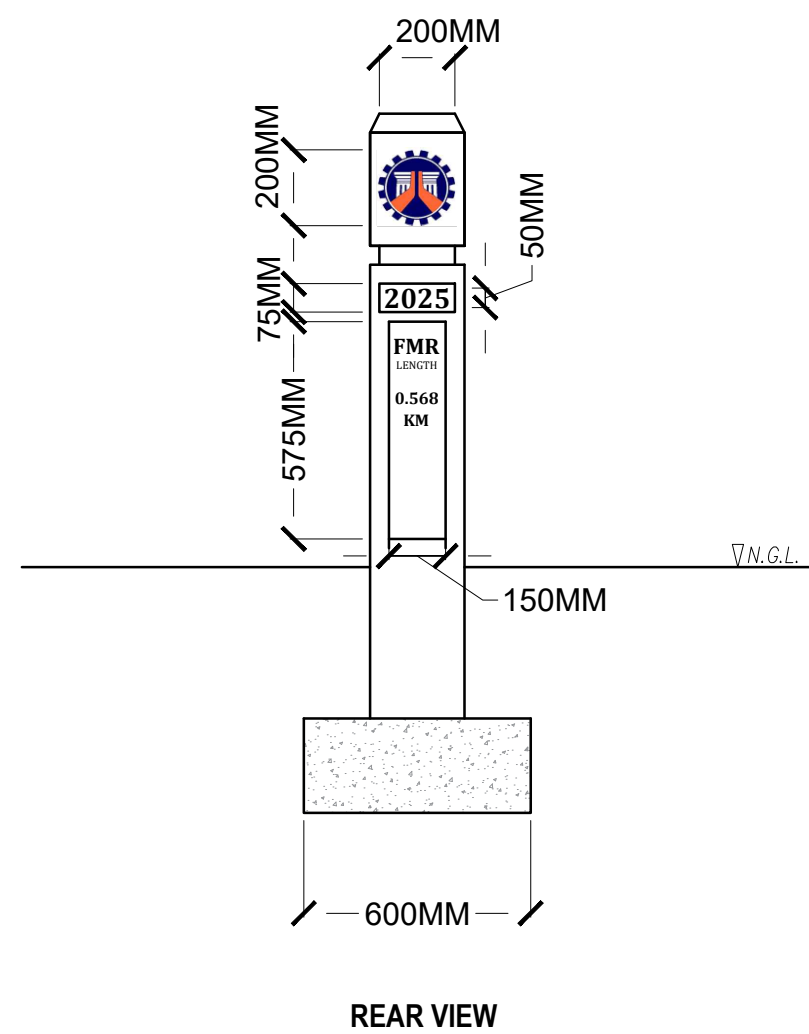
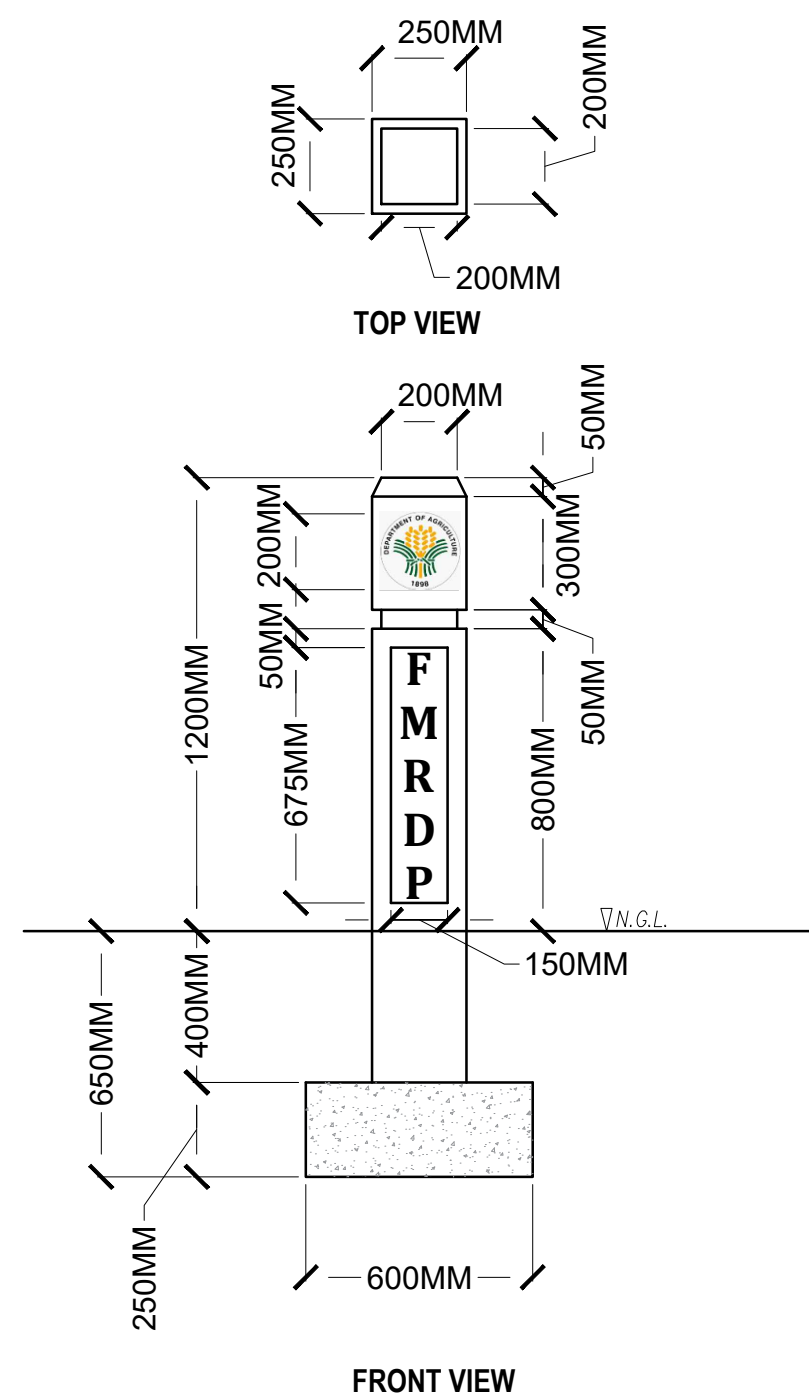
COA Regional Office No./Cluster : _____
Address : _____
Contact No. : _____ or Text COA Citizen's Desk at 0915-5391957

FONT SIZE : MAIN INFORMATION - 3"
FONT COLOR : BLACK

COA STANDARD PROJECT BILLBOARD



 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. IV-A BATANGAS 2 ND DISTRICT ENGINEERING OFFICE KUMINTANG ILAYA, BATANGAS CITY	PROJECT NAME AND LOCATION:	SHEET CONTENT:	DRAFTED:	REVIEWED :	SUBMITTED :	RECOMMENDED:	APPROVED:	SET NO.	SHEET NO.
	CONCRETING OF BRGY. CALO FMR, BRGY. CALO LOBO, BATANGAS LOBO, BATANGAS	PROJECT BILLBOARD DETAIL	DESIREE M. ESCAREZ ENGINEER II JUNEIL RAY M. CHAVEZ ENGINEER II	BRYAN EDWARD R. ANDAL ENGINEER II	GEMMA L. OLAN CHIEF, PLANNING AND DESIGN SECTION	ARIEL V. ARMEDILLA ASSISTANT DISTRICT ENGINEER	SONIA D. PAGLICAUAN DISTRICT ENGINEER	G 6 7	6 24



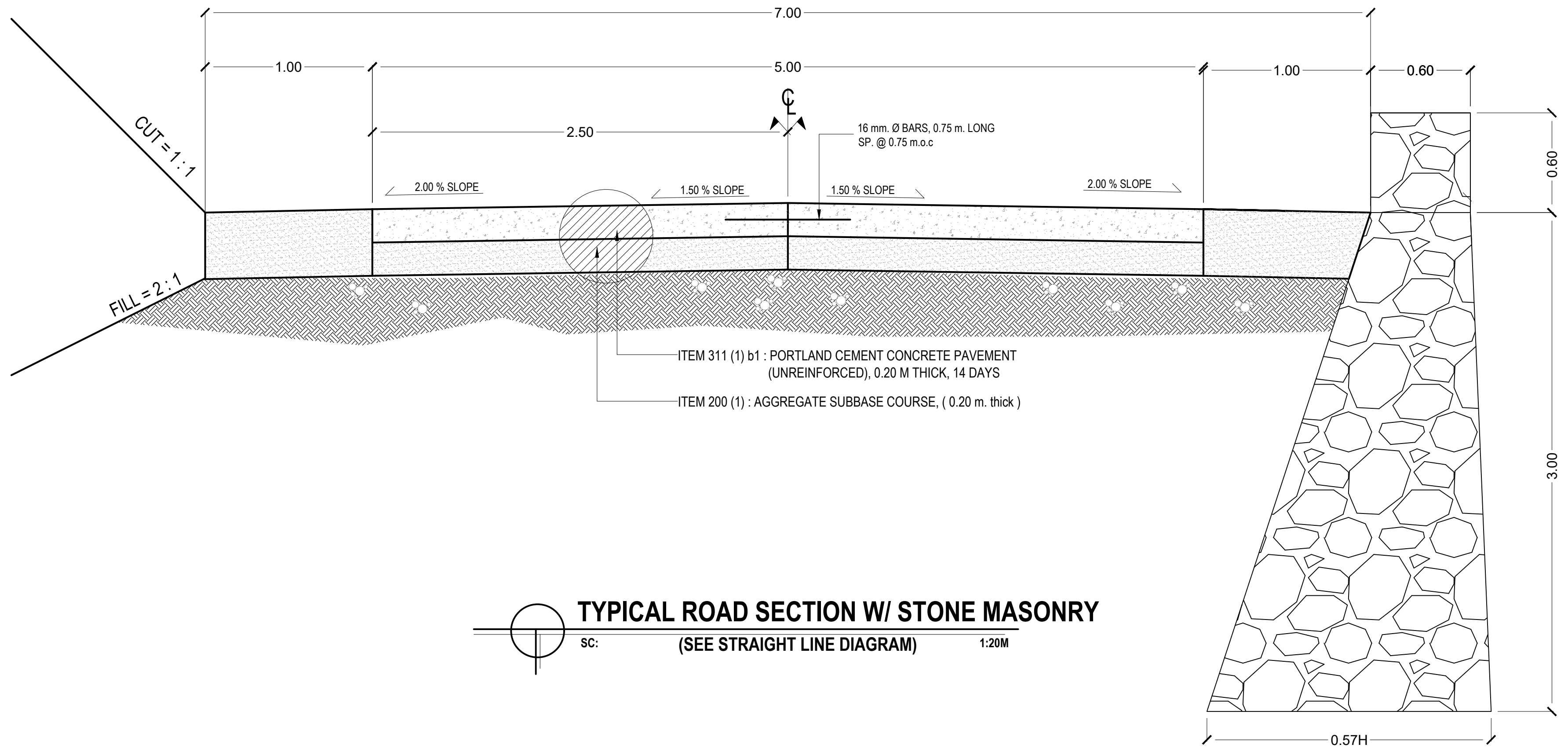
FARM-TO-MARKET-ROAD MARKER

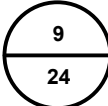
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 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. IV-A BATANGAS 2 ND DISTRICT ENGINEERING OFFICE KUMINTANG ILAYA, BATANGAS CITY	PROJECT NAME AND LOCATION:	SHEET CONTENT:	DRAFTED:	REVIEWED :	SUBMITTED :	RECOMMENDED:	APPROVED:	SET NO.	SHEET NO.
	CONCRETING OF BRGY. CALO FMR, BRGY. CALO LOBO, BATANGAS LOBO, BATANGAS	PROJECT MARKER DETAIL	DESIREE M. ESCAREZ ENGINEER II JUNEIL RAY M. CHAVEZ ENGINEER II	BRYAN EDWARD R. ANDAL ENGINEER II	GEMMA L. OLAN CHIEF, PLANNING AND DESIGN SECTION	ARIEL V. ARMEDILLA ASSISTANT DISTRICT ENGINEER	SONIA D. PAGLICAUAN DISTRICT ENGINEER	G 7 7	7 24

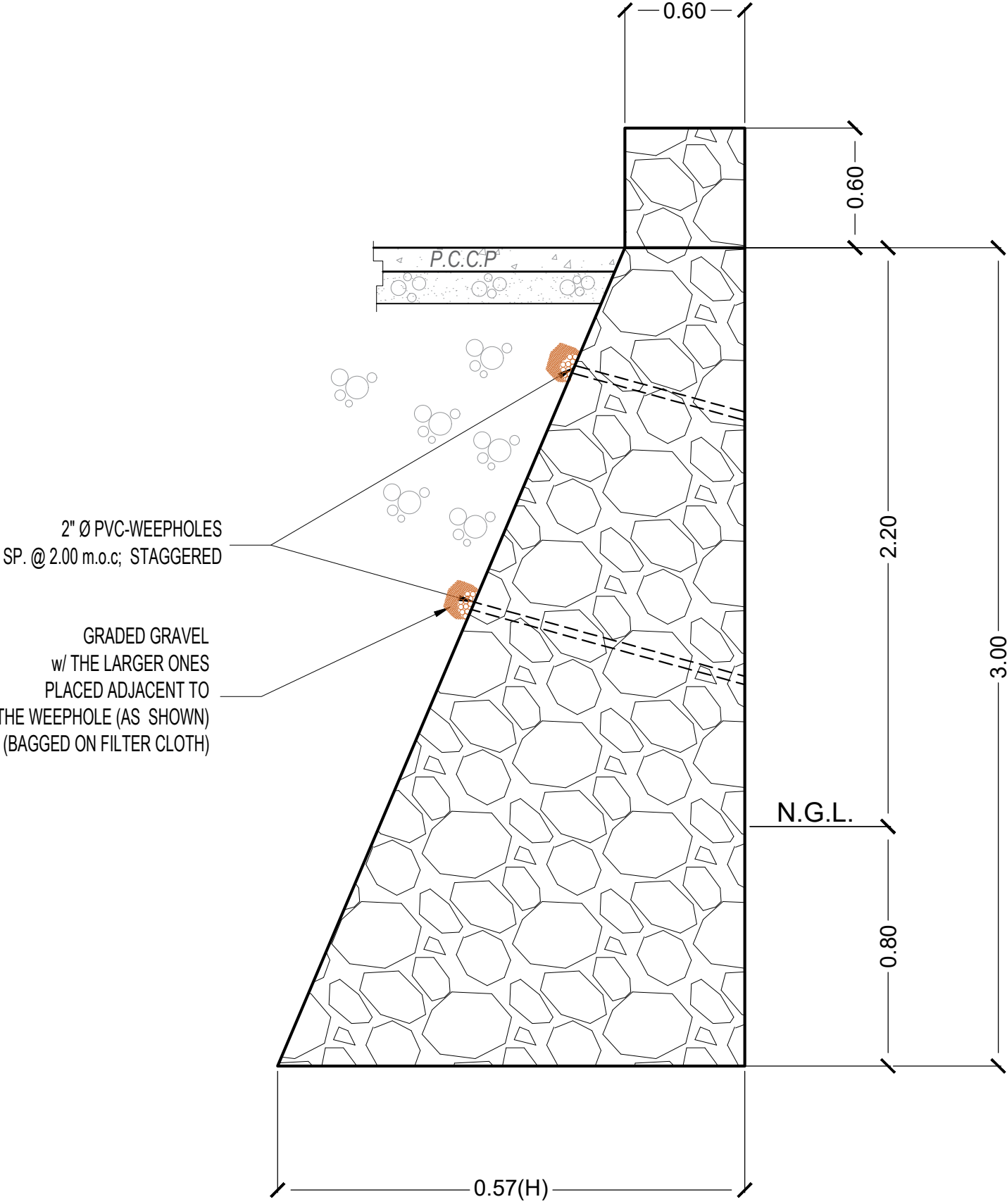


 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. IV-A BATANGAS 2ND DISTRICT ENGINEERING OFFICE KUMINTANG ILAYA, BATANGAS CITY	PROJECT NAME AND LOCATION:	SHEET CONTENT:	DRAFTED:	REVIEWED :	SUBMITTED :	RECOMMENDED:	APPROVED:	SET NO.	SHEET NO.
	CONCRETING OF BRGY. CALO FMR. BRGY. CALO LOBO, BATANGAS LOBO, BATANGAS	TYPICAL ROAD SECTION	<u>DESIREE M. ESCAREZ</u> ENGINEER II PREPARED: <u>JUNEIL RAY M. CHAVEZ</u> ENGINEER II	<u>BRYAN EDWARD R. ANDAL</u> ENGINEER II DATE:	<u>GEMMA L. OLAN</u> CHIEF, PLANNING AND DESIGN SECTION DATE:	<u>ARIEL V. ARMEDILLA</u> ASSISTANT DISTRICT ENGINEER DATE:	<u>SONIA D. PAGLICAUAN</u> DISTRICT ENGINEER DATE:	R 1 17	8 24

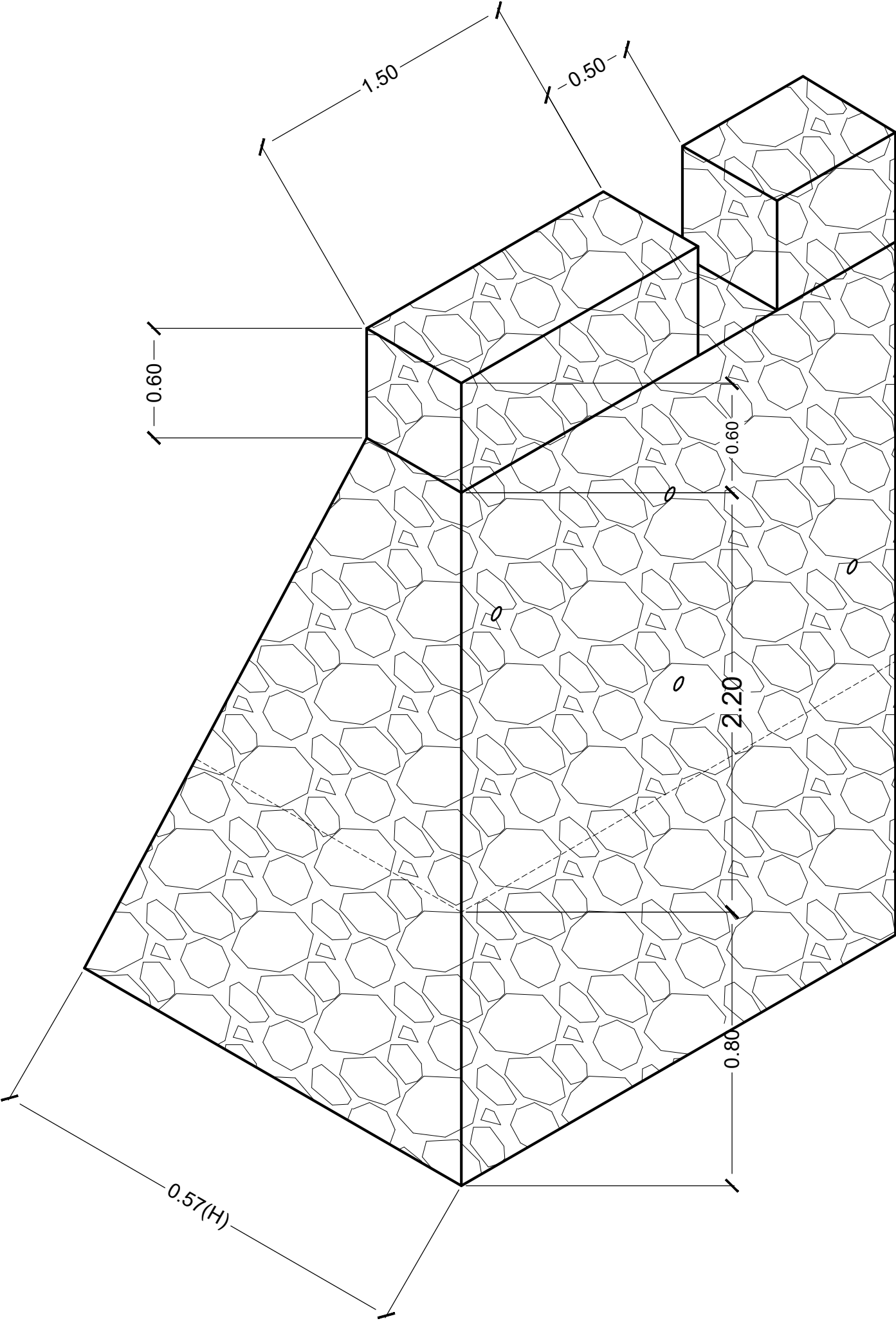


 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. IV-A BATANGAS 2ND DISTRICT ENGINEERING OFFICE KUMINTANG ILAYA, BATANGAS CITY	PROJECT NAME AND LOCATION:	SHEET CONTENT:	DRAFTED:	REVIEWED :	SUBMITTED :	RECOMMENDED:	APPROVED:	SET NO.	SHEET NO.
	CONCRETING OF BRGY. CALO FMR, BRGY. CALO LOBO, BATANGAS	TYPICAL ROAD SECTION W/ STONE MASONRY	<u>DESIREE M. ESCAREZ</u> ENGINEER II	<u>BRYAN EDWARD R. ANDAL</u> ENGINEER II	<u>GEMMA L. OLAN</u> CHIEF, PLANNING AND DESIGN SECTION	<u>ARIEL V. ARMEDILLA</u> ASSISTANT DISTRICT ENGINEER	<u>SONIA D. PAGLICAUAN</u> DISTRICT ENGINEER		
			PREPARED: <u>JUNEIL RAY M. CHAVEZ</u> ENGINEER II	DATE:	DATE:	DATE:	DATE:		

SCHEDULE OF STONE MASONRY					
STATION			LENGTH (m)	HEIGHT (m)	REMARKS
STA. 0+260.00	to	STA. 0+300.00	40.00	3.00	RIGHT SIDE
STA. 0+560.00	to	STA. 0+620.00	60.00	4.00	RIGHT SIDE



STONE MASONRY DETAILS



ISOMETRIC VIEW



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. IV-A
BATANGAS 2ND DISTRICT
ENGINEERING OFFICE
KUMINTANG ILAYA, BATANGAS CITY

PROJECT NAME AND LOCATION:
CONCRETING OF BRGY. CALO FMR, BRGY. CALO
LOBO, BATANGAS
LOBO, BATANGAS

SHEET CONTENT:
STONE MASONRY DETAILS
ISOMETRIC VIEW

DRAFTED:
DESIREE M. ESCAREZ
ENGINEER II
PREPARED:
JUNEIL RAY M. CHAVEZ
ENGINEER II

REVIEWED :
BRYAN EDWARD R. ANDAL
ENGINEER II
DATE:

SUBMITTED :
GEMMA L. OLAN
CHIEF, PLANNING AND DESIGN SECTION
DATE:

RECOMMENDED:
ARIEL V. ARMEDILLA
ASSISTANT DISTRICT ENGINEER
DATE:

APPROVED:
SONIA D. PAGLICAUAN
DISTRICT ENGINEER
DATE:

SET NO.

R
3 | 17

SHEET NO.

10
24