



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS & HIGHWAYS
OFFICE OF THE REGIONAL DIRECTOR
REGIONAL OFFICE NO. XI
GOV. CHAVEZ ST., DAVAO CITY

CY : 2025 CONVERGENCE PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR

**CONSTRUCTION OF 701BDE CONCRETE FENCE, CONCRETE
SIGN BOARD AND MARKER, 701ST INFANTRY BRIGADE,
SITIO MAGAY, BARANGAY DON MARTIN MARUNDAN,
MATI CITY, DAVAO ORIENTAL**

LOCATION : MATI CITY, DAVAO ORIENTAL

SUBMITTED:

JUDY ANN T. BERNARDINO

CHIEF, PLANNING AND DESIGN DIVISION

RECOMMENDED:

JOSELITO B. CABALLERO

ASSISTANT REGIONAL DIRECTOR

APPROVED:

JUBY B. CORDON

REGIONAL DIRECTOR

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	OVERALL QUANTITY
PART B	OTHER GENERAL REQUIREMENTS		
B.3 (1)	Permits and Clearances	l.s.	1.00
B.5 (1)	Project Billboard / Signboard	ea	2.00
B.7 (1)	Occupational Safety and Health	l.s.	1.00
B.9 (1)	Mobilization/Demobilization	l.s.	1.00
DIVISION I	GENERAL		
PART C	EARTHWORK		
800 (1)	Clearing and Grubbing	sq.m.	215.18
803 (1)a	Structure Excavation, Common Soil	cu.m	842.65
804 (2)a	Embankment from Borrow, Common Soil	cu.m.	1,095.45
804 (7)	Gravel Fill	cu.m.	74.99
PART D	REINFORCED CONCRETE		
900 (1)d	Structural Concrete, 4000 psi, Class A, 28 days	cu.m.	220.60
902 (1)a1	Reinforcing Steel (Deformed), Grade 40	kgs	19,665.91
903 (2)	Formworks and Falseworks	sq.m.	965.03
DIVISION II	BUILDINGS		
PART E	FINISHING AND OTHER CIVIL WORKS		
Item 1027- Cement Plaster Finish			
1027 (1)	Cement Plaster Finish	sq.m.	4,023.98
Item 1032 - Painting, Varnishing and Other Related Works			
1032 (1)a	Painting Works, Masonry/Concrete	sq.m.	4,023.98
Item 1046 - Masonry Works			
1046 (2)a1	CHB Non-Load Bearing (including Reinforcing Steel), 100 mm	sq.m.	2,371.93
DIVISION IV	FLOOD CONTROL, DRAINAGE AND WATER SUPPLY		
PART L	FLOOD AND RIVER CONTROL AND DRAINAGE		
Item 1722 - Fence and Railings			
1722 (1) c	Fence, Cyclone/Welded Wire	sqm.	215.18



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DON MARTIN MARUNDAN, MATI CITY, DAVAO
ORIENTAL

SHEET CONTENTS:

SUMMARY OF QUANTITIES

PREPARED:

FERDINAND M. RAÑOSA
ARCHITECT II

DATE:

REVIEWED:

ALGIN A. GINGATAN
ENGINEER II, SECTION CHIEF

DATE:

SUBMITTED:

JUDY ANN T. BERNARDINO
CHIEF, PLANNING AND DESIGN DIVISION

DATE:

RECOMMENDED:

JOSELITO B. CABALLERO
ASSISTANT REGIONAL DIRECTOR

DATE:

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JUBY B. CORDON
REGIONAL DIRECTOR

DATE:

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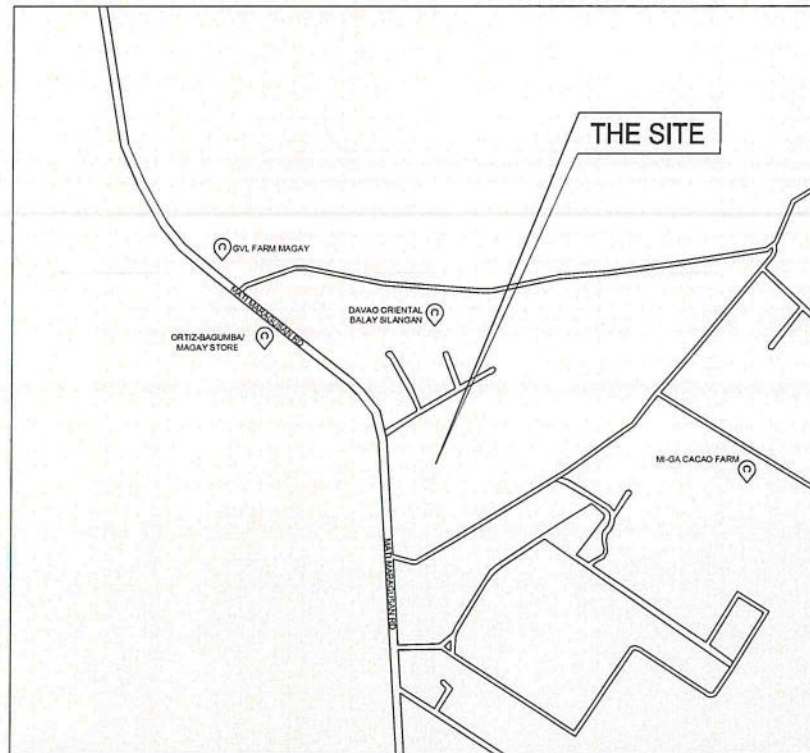


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1 PERSPECTIVE
A-1 SCALE NTS



2 VICINITY MAP
A-1 SCALE NTS



3 LOCATION MAP
A-1 SCALE NTS

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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF THE PUBLIC
WORKS AND HIGHWAYS

OFFICE OF THE BUILDING OFFICIAL

MATI CITY

LINE AND GRADE

LAND AND ZONING

ARCHITECTURAL

STRUCTURAL

SANITARY / PLUMBING

ELECTRICAL

MECHANICAL



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SHEET CONTENTS:

PERSPECTIVE
VICINITY MAP
LOCATION MAP
TABLE OF CONTENTS

PREPARED:

FERDINAND M. RAÑOSA
ARCHITECT II

REVIEWED:

ALGIN A. GINGATA
ENGINEER III, SECTION CHIEF

SUBMITTED:

JUDY ANN T. BERNARDINO
CHIEF, PLANNING AND DESIGN DIVISION

RECOMMENDED:

JOSELO B. CABALLERO
ASSISTANT REGIONAL DIRECTOR

APPROVED:

JUBY B. CORDON
REGIONAL DIRECTOR

SET NO.

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SHEET NO.

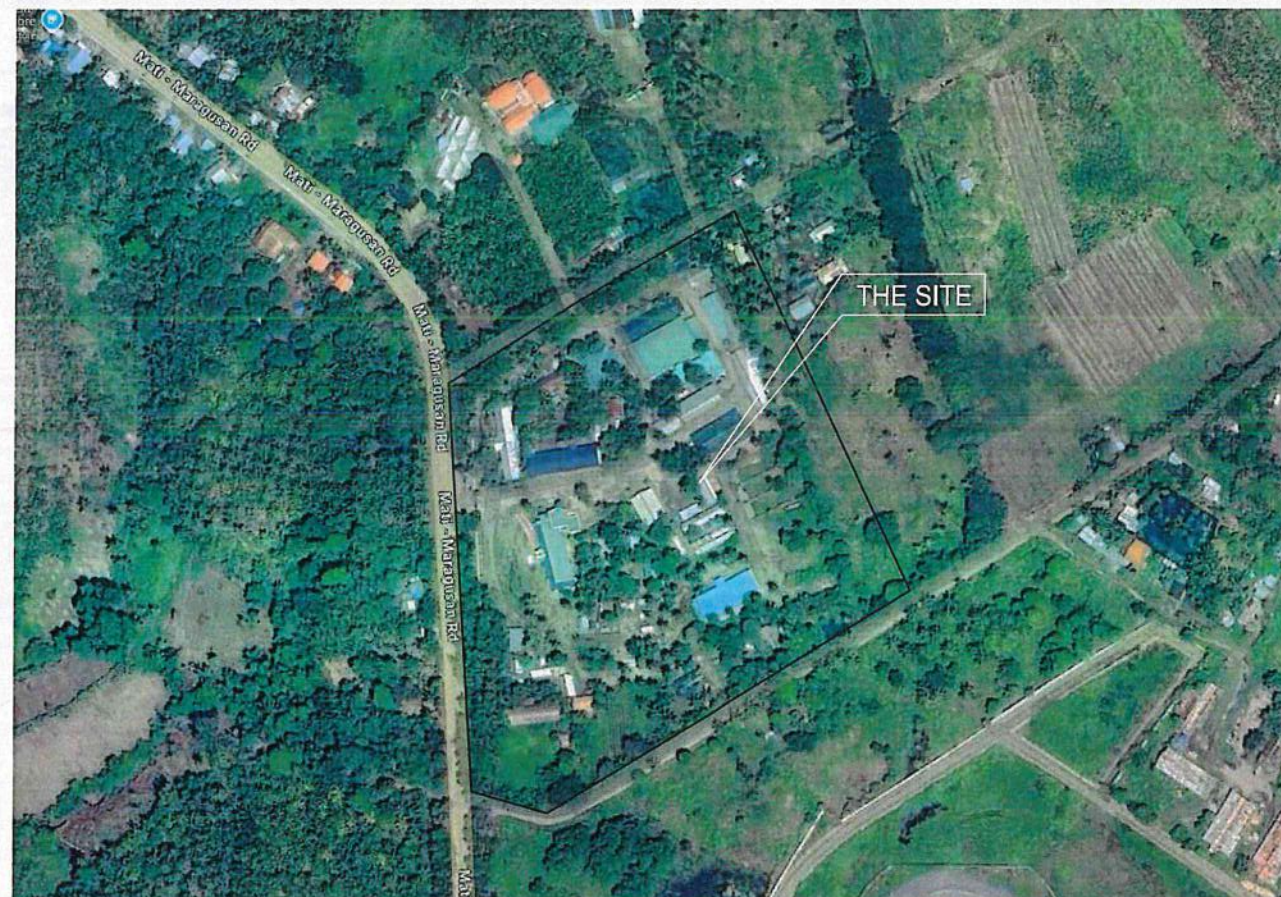
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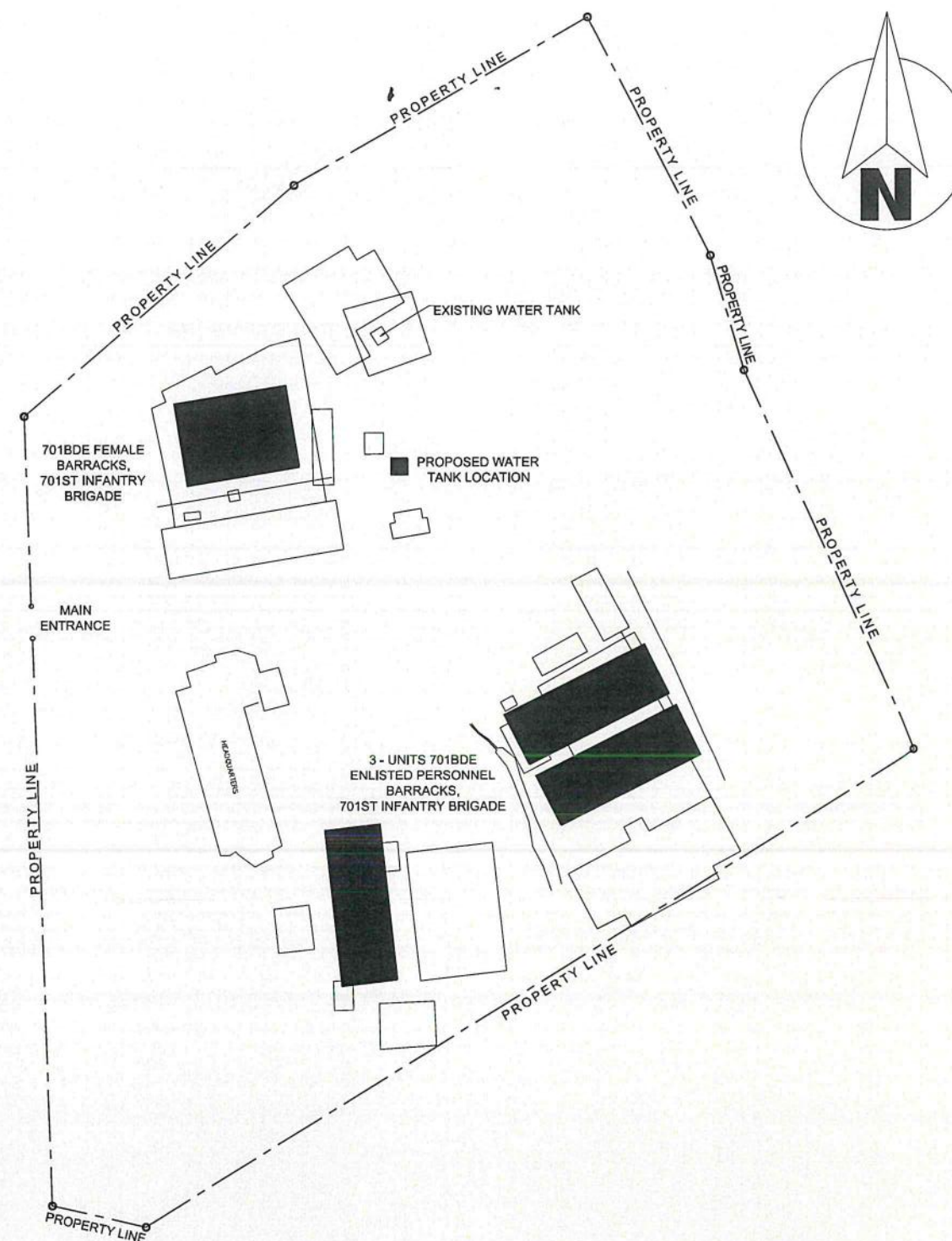
LINE	DIRECTION	ADJOINING LOT (S)
1 - 2 - 3 - 4 - 5 - 6	NW, NE	LOT 740-C-3, PSD-11-161577
6 - 7 - 8	SE, SW	LOT 870, CAD - 286
8 - 1	SW	LOT 740-C-2, PSD-11-161577
		(NATIONAL ROAD WIDENING)

LINE	BEARING	DISTANCE
TO CORNER 1	S. 69° 20' W	1073.90 MTS
1 - 2	N. 49° 38' E	77.39 MTS
2 - 3	N. 60° 29' E	73.79 MTS
3 - 4	S. 27° 12' E	58.52 MTS
4 - 5	S. 16° 20' E	26.11 MTS
5 - 6	S. 24° 21' E	90.95 MTS
6 - 7	S. 58° 23' W	197.26 MTS
7 - 8	N. 76° 56' W	20.96 MTS
8 - 9	N. 02° 07' W	172.27 MTS

AREA: 31, 580 SQM.



2 VICINITY MAP
A-2 SCALE NTS



3 SITE DEVELOPMENT PLAN



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TECHNICAL SPECIFICATIONS
VICINITY MAP
SITE DEVELOPMENT PLAN

PREPARED:

FERDINAND M. R.
ARCHITECT

DATE:

REVIEWED:

ALGIN A. GINGATAN
ENGINEER III, SECTION CHIEF

DATE:

	SUBMITTED
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JUDY ANN T. BERNARDINO
CHIEF, PLANNING AND DESIGN DIVISION

DATE _____

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JOSELITO B. CABALLERO
ASSISTANT REGIONAL DIRECTOR

DAT

APPROVED:

JUBY B. CORDON
REGIONAL DIRECTOR

DATE _____

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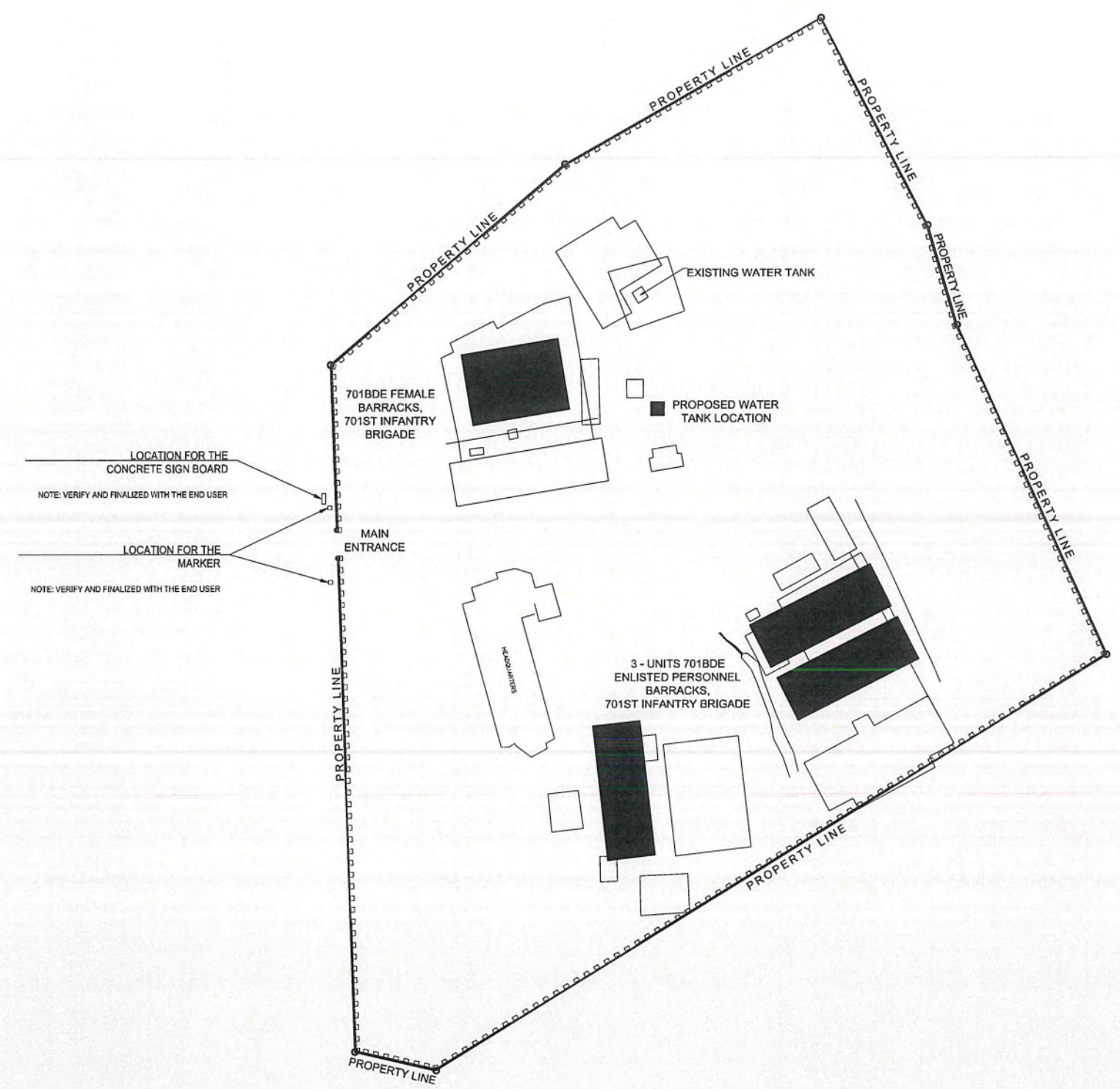
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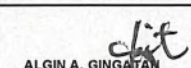


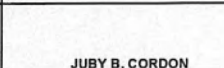
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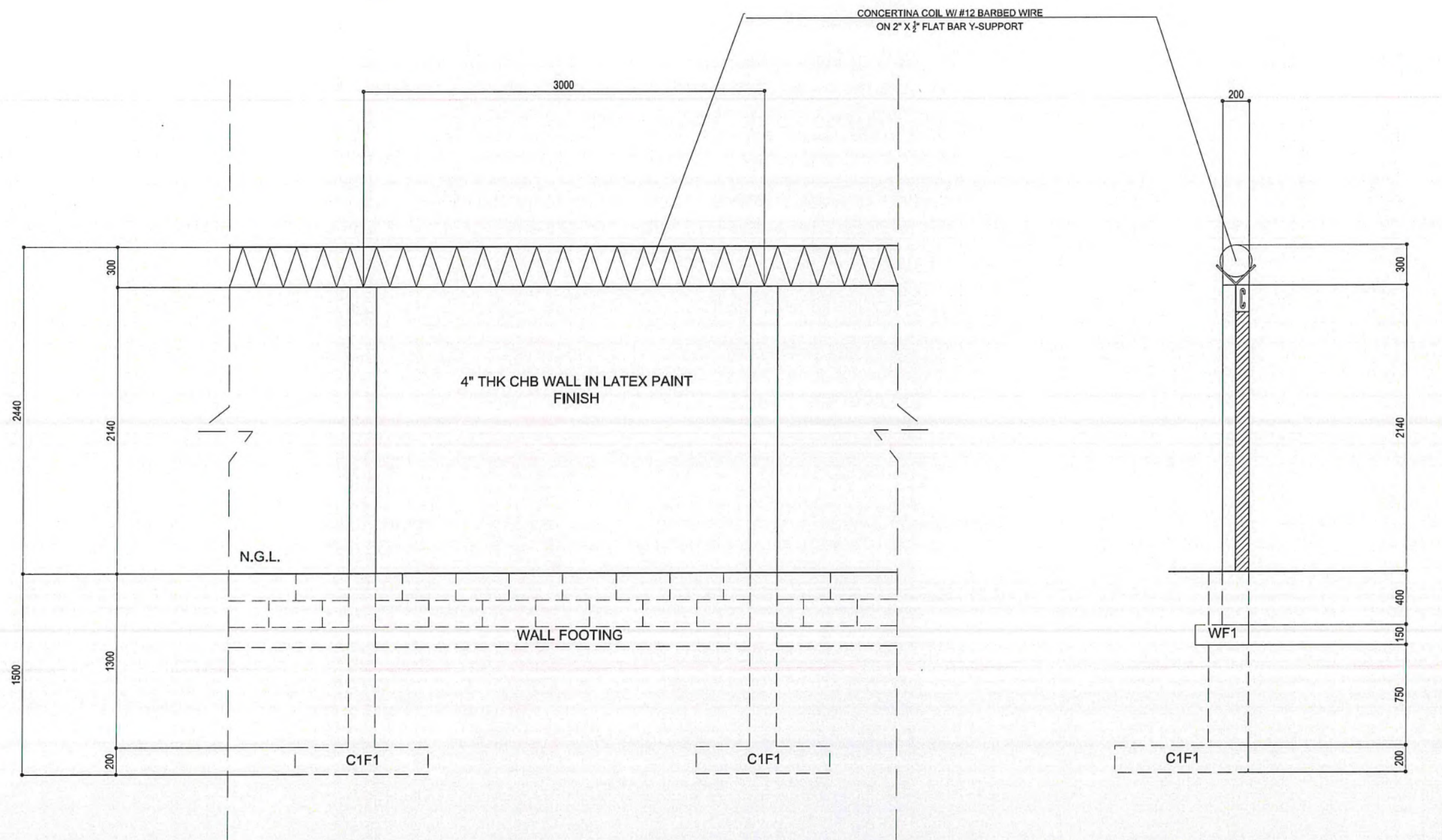
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1 SITE FOUNDATION PLAN
A-3 SCALE NTS

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. XI GOV. CHAVEZ COR. R. MAGSAYSAY AVENUE, DAVAO CITY	PROJECT NAME AND LOCATION:	SHEET CONTENTS:	PREPARED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	SET NO.	SHEET NO.
	CONSTRUCTION OF 701BDE CONCRETE FENCE, CONCRETE SIGN BOARD AND MARKER, 701ST INFANTRY BRIGADE, SITIO MAGAY, BARANGAY DON MARTIN MARUNDAN, MATI CITY, DAVAO ORIENTAL	SITE FOUNDATION PLAN	 FERDINAND M. RAOSA ARCHITECT II DATE: _____	 ALGIN A. GINGATAN ENGINEER III, SECTION CHIEF DATE: _____	 JUDY ANN T. BERNARDINO CHIEF, PLANNING AND DESIGN DIVISION DATE: _____	 JOSELITO B. CABALLERO ASSISTANT REGIONAL DIRECTOR DATE: _____	 JUBY B. CORDON REGIONAL DIRECTOR DATE: _____	A 3 6	3 6



1 TYPICAL FENCE ELEVATION
A-4 SCALE 1 : 150 W

2 TYPICAL FENCE CROSS SECTION
A-4 SCALE 1 : 150 W



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SHEET CONTENTS:
TYPICAL FENCE ELEVATION
TYPICAL FENCE CROSS SECTION

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FERDINAND M. RANOSA
ARCHITECT II
DATE:

REVIEWED:
ALGIN A. GINGATAN
ENGINEER III, SECTION CHIEF
DATE:

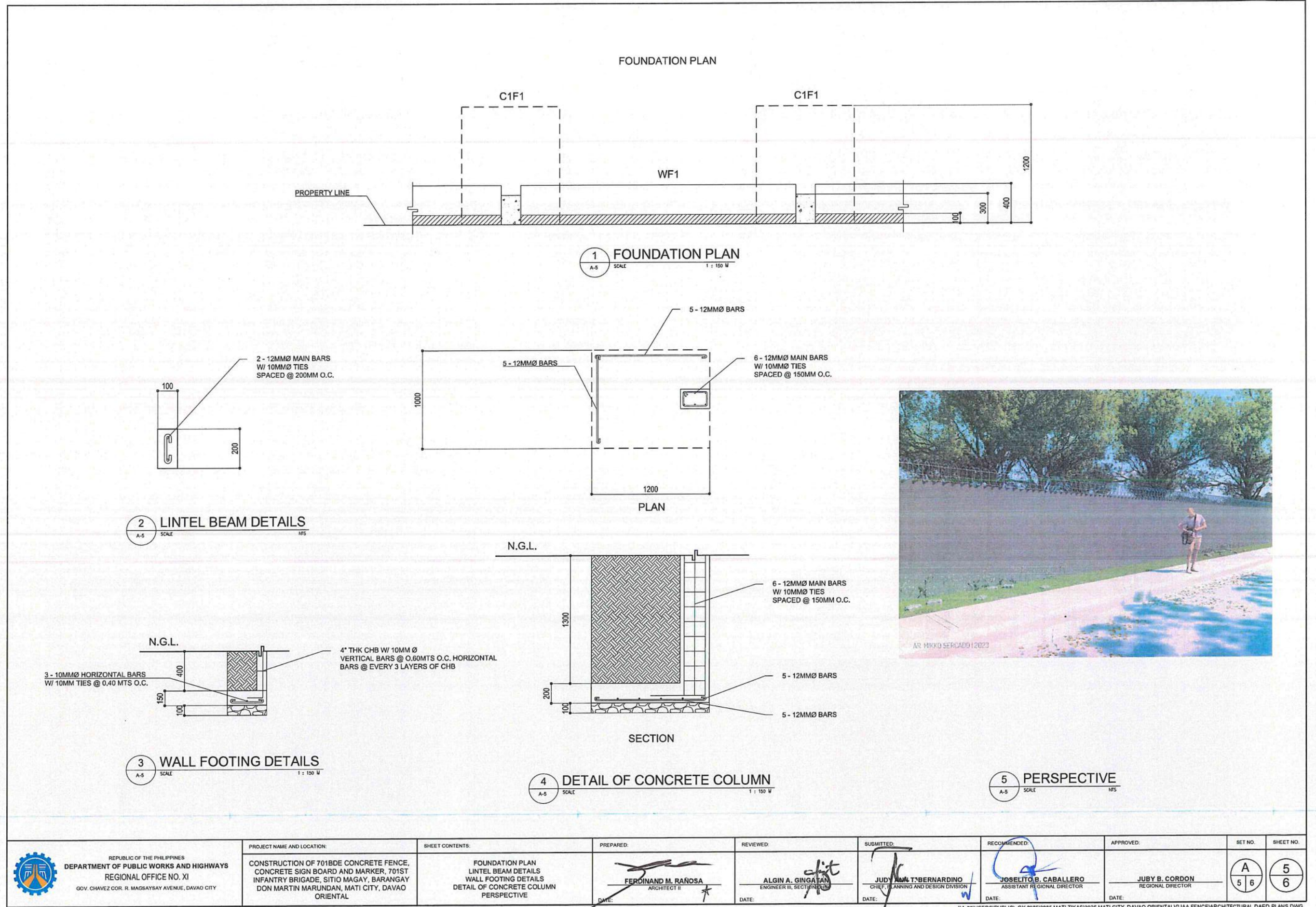
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JUDY ANN T. BERNARDINO
CHIEF PLANNING AND DESIGN DIVISION
DATE:

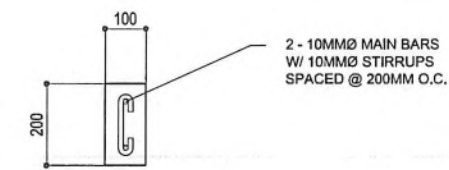
RECOMMENDED:
JOSELITO B. CABALLERO
ASSISTANT REGIONAL DIRECTOR
DATE:

APPROVED:
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REGIONAL DIRECTOR
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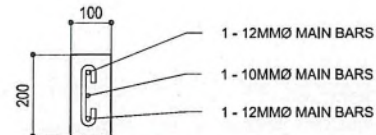
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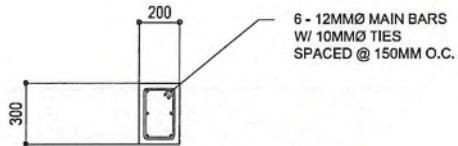




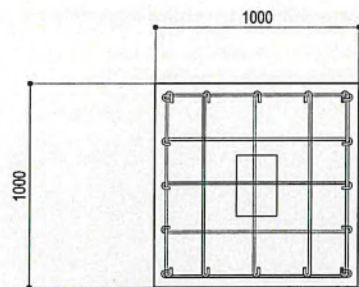
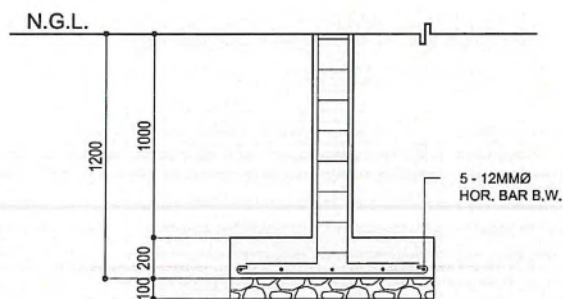
1 LB 1 DETAIL
SCALE: 1/8" = 1'-0"



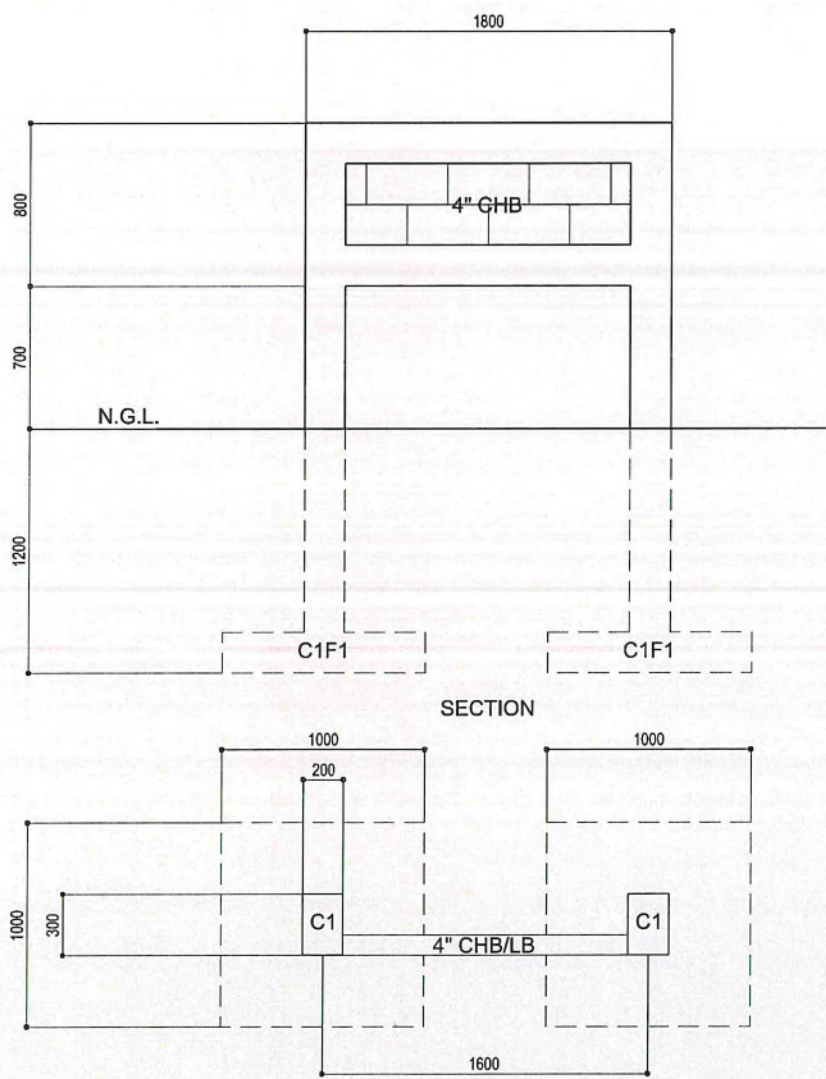
2 LB 2 DETAIL
SCALE: 1/8" = 1'-0"



COLUMN SECTION



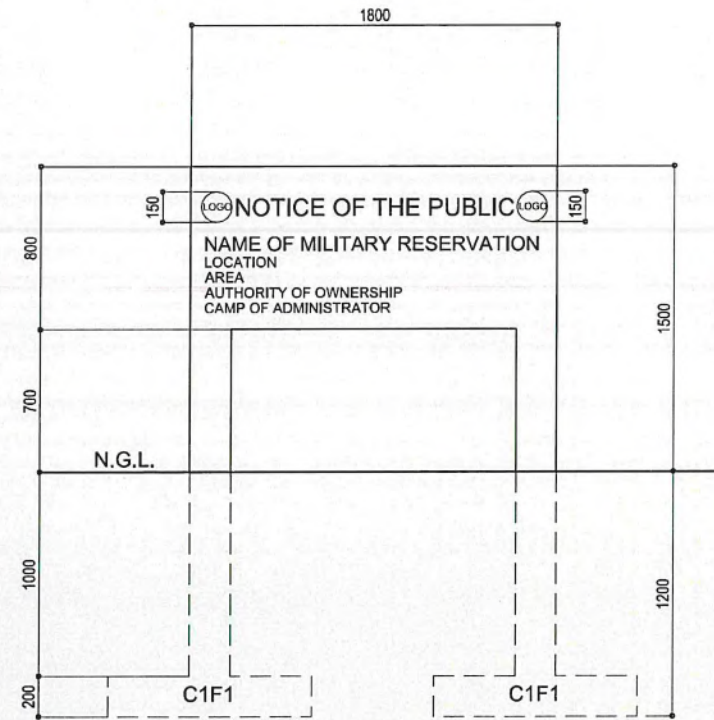
3 COLUMN FOOTING DETAIL
SCALE: 1/8" = 1'-0"



4 SIGN BOARD PLAN
SCALE: 1/8" = 1'-0"



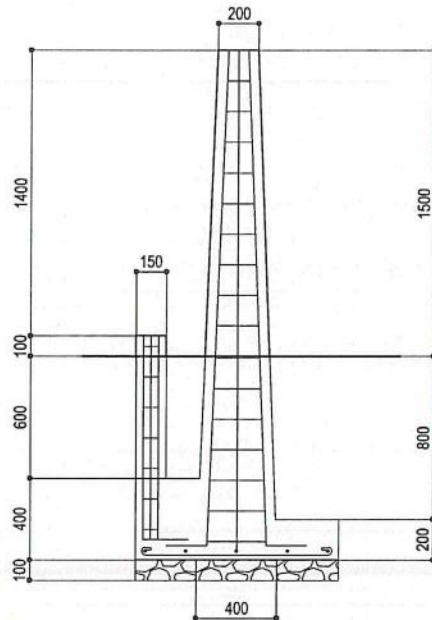
5 PERSPECTIVE
SCALE: 1/8" = 1'-0"



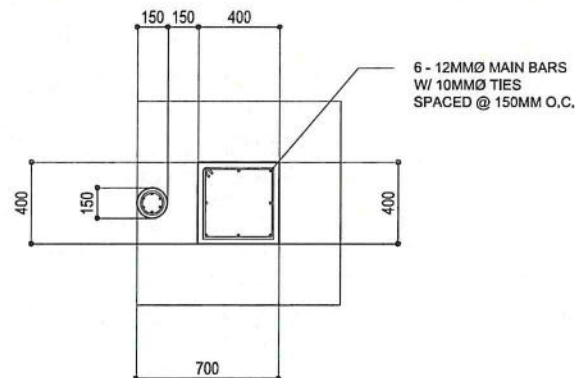
6 ELEVATION
SCALE: 1/8" = 1'-0"

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. XI GOV. CHAVEZ COR. R. MAGSAYSAY AVENUE, DAVAO CITY</p>	<p>PROJECT NAME AND LOCATION:</p> <p>CONSTRUCTION OF 701BDE CONCRETE FENCE, CONCRETE SIGN BOARD AND MARKER, 701ST INFANTRY BRIGADE, SITIO MAGAY, BARANGAY DON MARTIN MARUNDAN, MATI CITY, DAVAO ORIENTAL</p>	<p>SHEET CONTENTS:</p> <p>LB1 DETAIL & LB2 DETAIL COLUMN FOOTING DETAIL SIGN BOARD PLAN PERSPECTIVE ELEVATION</p>	<p>PREPARED:</p> <p>FERDINAND M. RAÑOSA ARCHITECT II</p>	<p>REVIEWED:</p> <p>ALGIN A. GINGATAN ENGINEER III, SECTION CHIEF</p>	<p>SUBMITTED:</p> <p>JUDY A. T. BERNARDINO CHIEF, PLANNING AND DESIGN DIVISION</p>	<p>RECOMMENDED:</p> <p>JOSELITO B. CABALLERO ASSISTANT REGIONAL DIRECTOR</p>	<p>APPROVED:</p> <p>JUBY B. CORDON REGIONAL DIRECTOR</p>	<p>SET NO.</p> <p>A</p>	<p>SHEET NO.</p> <p>6</p>
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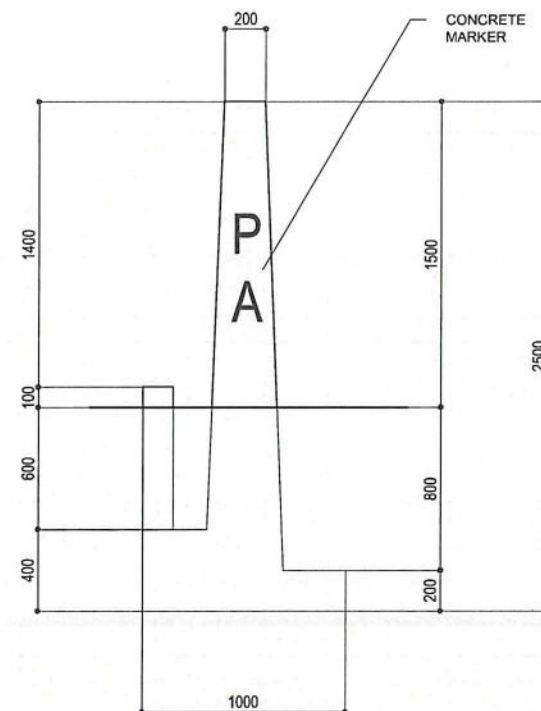
MODIFIED CORNER CONCRETE MONUMENT



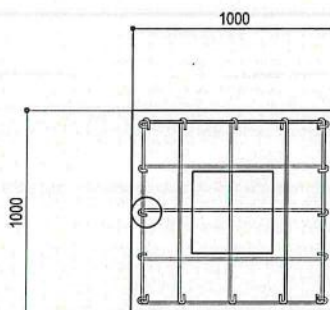
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A-7 SCALE 1 : 20 M



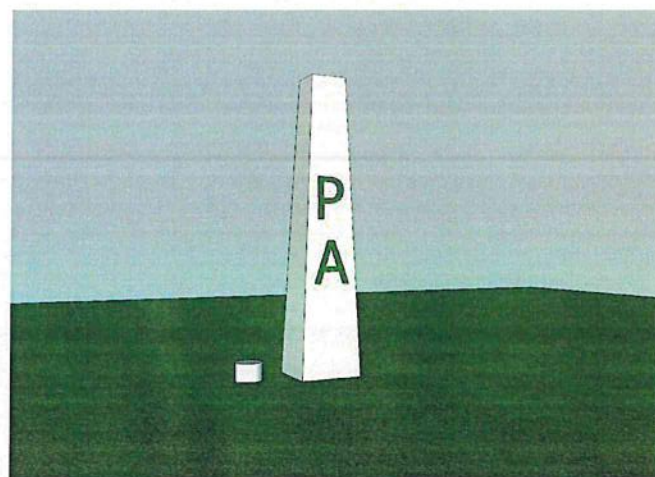
2 COLUMN DETAIL
A-7 SCALE 1 : 20 M



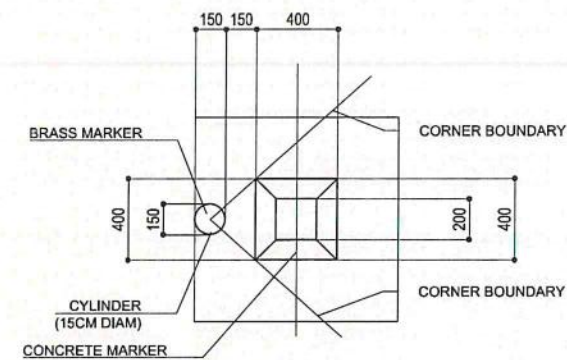
3 ELEVATION
A-7 SCALE 1 : 20 M



4 FOOTING DETAIL
A-7 SCALE 1 : 20 M



5 PERSPECTIVE
A-7 SCALE NTS



TOP VIEW



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SHEET CONTENTS:
SECTION
COLUMN DETAIL
ELEVATION
FOOTING DETAIL
PERSPECTIVE

PREPARED:
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SET NO. SHEET NO.
A 7
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