

REPUBLIC OF THE PHILIPPINES **DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS**

NATIONAL CAPITAL REGION LAS PIÑAS-MUNTINLUPA DISTRICT ENGINEERING OFFICE 2nd STREET, PORT AREA, MANILA

> C.Y. 2025 PROJECT DETAILED ENGINEERING DESIGN PLAN FOR

CONSTRUCTION OF RAINWATER COLLECTION SYSTEM (RWCS), LAS PIÑAS AND MUNTINLUPA CITY

SUBMITTED:	RECOMMENDED:	APPROVED:	
MADIANNE KDICCEL JEAN D. CACA CC	MADIA CDICTINA E TACADDON		
MARIANNE KRISCEL JEAN D. SAGA-OC	MARIA CRISTINA E. TACARDON	ISABELO C. BALEROS	
CHIEF PLANNING AND DESIGN SECTION	ASSISTANT DISTRICT ENGINEER	DISTRICT ENGINEER	
DATE:	DATE:	DATE:	

ITEM NO.	DESCRIPTION	QTY	UNIT
PART I:	FACILITIES FOR THE ENGINEER		
A.1.1 (3)	Construction of Field Office for the Engineer	1.00	l.s
PART II:	OTHER GENERAL REQUIREMENTS		
B.5(1)	Project Billboard/ Sign Board	11.00	ea
B.7(1)	Occupational Safety and Health	1.00	ls
B.9(1)	Mobilizaiton / Demobilization	1.00	ls
PART III:	CIVIL, MECHANICAL, ELECTRICAL AND SANITARY/ PLUMBING WORKS		
DIVISION I:	GENERAL		
PART A:	EARTHWORK		
804(7)	Gravel Fill	4.00	m3
PART B:	PLAIN AND REINFORCED CONCRETE WORKS		
900(1)d	Structural Concrete 4000psi (Class A, 28 days)	4.00	m3
902(1)a1	Reinforcing Steel (Deformed) Grade 40	500.00	kg
DIVISION II:	BUILDINGS		
PART C:	FINISHING AND OTHER RELATED CIVIL WORKS		
C.5	METAL WORKS		
1047(7)	Structural Steel (Stainless Steel Vertical Tank)	1.00	l.s

SUMMARY OF QUANTITIES

SHEET INDEX

SUMMARY OF QUANTITIES SHEET INDEX **LOCATION MAP**



FIELD OFFICE **DPWH BILLBOARD** COA BILLBOARD
BILLBOARD FRAME DETAIL GENERAL NOTES



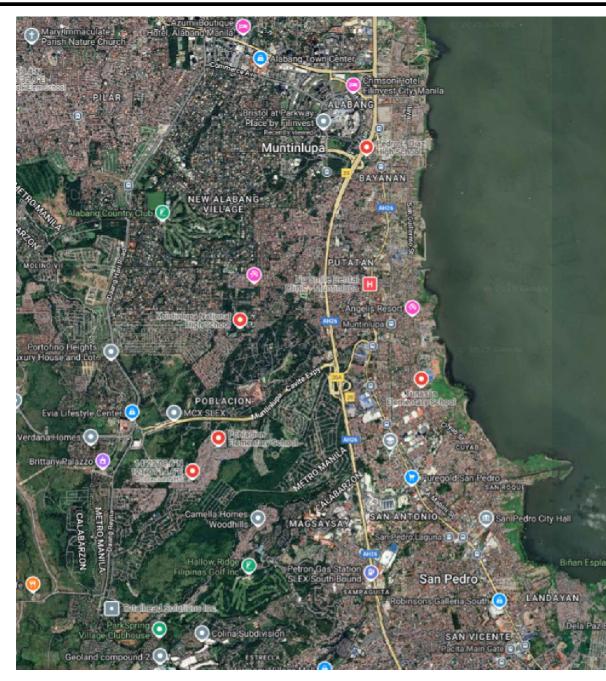
SITE DEVELOPMENT PLAN



SITE DEVELOPMENT PLAN



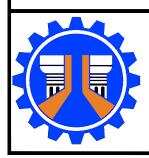
DETAILS OF RAINWATER TANK



VICINITY MAP (MUNTINLUPA CITY)



VICINITY MAP (LAS PIÑAS CITY)



REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NATIONAL CAPITAL REGION LAS PIÑAS-MUNTINLUPA DISTRICT ENGINEERING OFFICE 2nd STREET, PORT AREA, MANILA

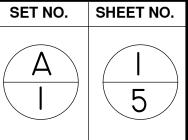
CONSTRUCTION OF RAINWATER COLLECTION SYSTEM (RWCS), LAS PIÑAS AND MUNTINLUPA

PROJECT AND LOCATION:

SHEET CONTENT: SUMMARY OF QUANTITIES SHEET INDEX **LOCATION MAP** DRAFTED:

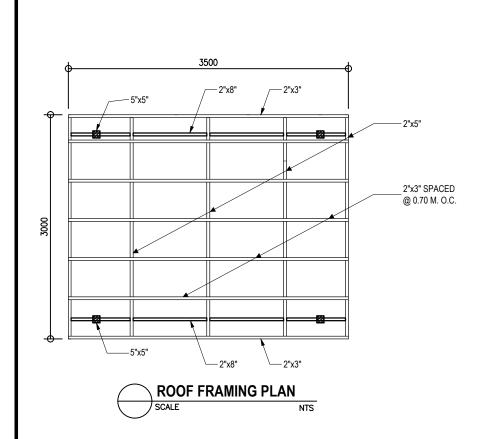
FRANCIS SIEGFRED C. LAMBINO ENGINEER II PREPARED: FRANCIS SIEGFRED C. LAMBINO ENGINEER II

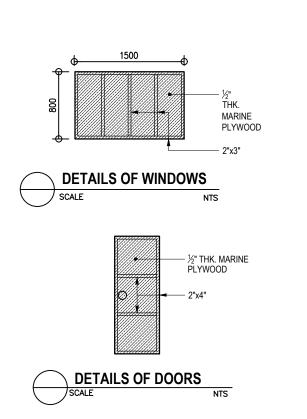
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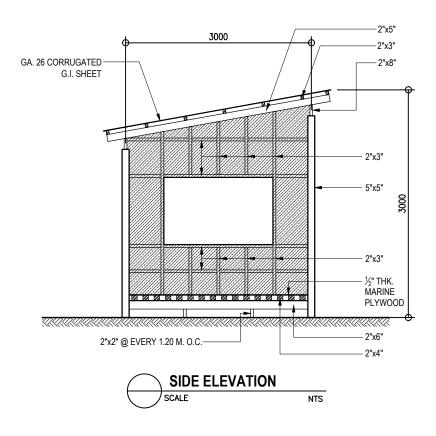


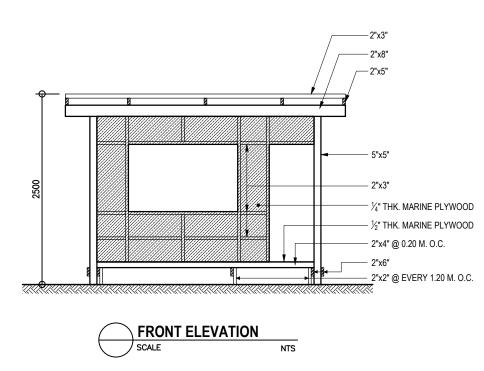
APPROVED: RECOMMENDED: MARIANNE KRISCEL JEAN D. SAGA-OC MARIA CRISTINA E. TACARDON ISABELO C. BALEROS DARIUS M. MERCADO CHIEF, PLANNING & DESIGN SECTION ASSISTANT DISTRICT ENGINEER DISTRICT ENGINEER DATE: DATE:

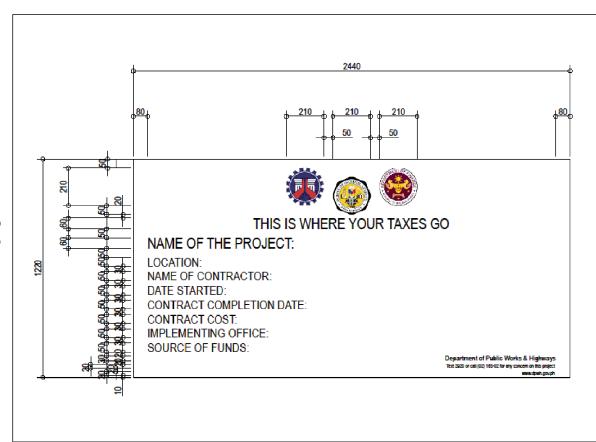
SUBMITTED:









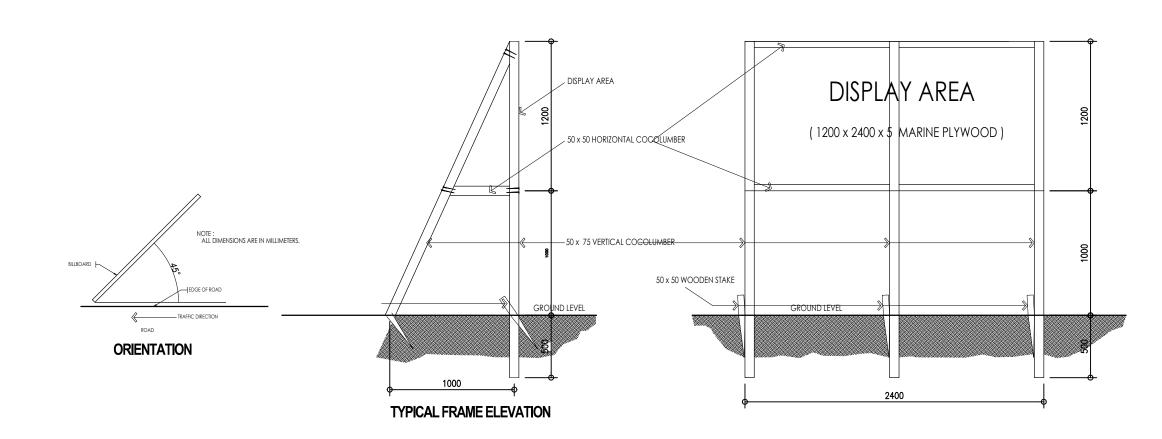


FIELD OFFICE

DPWH BILLBOARD

NOTES:

- 1. TANK SHOULD BE FIRM, FLAT & ON STABLE PLATFORM IN ACCORDANCE MANUFACTURING WITH RECOMMENDATIONS. TANK BASE MUST BE SUFFICIENT TO SUPPORT WEIGHT OF THE TANK WHEN FULL.
- 2. 100% OF ROOF AREA SHALL DRAIN TO THE TANK
- 3. IT IS RECOMMENDED TO CONNECT THE FOLLOWING HOUSEHOLD FIXTURES TO THE RAINWATER TANK SUPPLY.
 - ALL OUTDOOR TAPS
 - ALL TOILETS
 - WASHING MACHINE (COLD TAP)
- 4. ALL PLUMBING WORKS SHALL BE UNDERTAKEN AT A LICENSED PLUMBER WITH THE CONSENT OF THE MANUFACTURER & IN ACCORDANCE WITH ALL STANDARDS, CODES & REGULATIONS.
- 5. TANK & PUMPS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S REQUIREMENT.
- 6. ANNUAL RAINFALL = 4464.9 (ACCORDING TO THE HIGHEST CLIMATOLOGICAL NORMAL RECORDED BY THE ATMOSPHERIC. GEOPHYSICAL AND PHILIPPINE



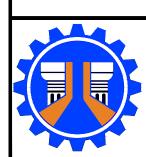




COA BILLBOARD

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REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NATIONAL CAPITAL REGION LAS PIÑAS-MUNTINLUPA DISTRICT ENGINEERING OFFICE

2nd STREET, PORT AREA, MANILA

PROJECT AND LOCATION: **CONSTRUCTION OF RAINWATER**

COLLECTION SYSTEM (RWCS),

LAS PIÑAS AND MUNTINLUPA

CITY

FIELD OFFICE DPWH BILLBOARD COA BILLBOARD BILLBOARD FRAME **GENERAL NOTES**

SHEET CONTENT: DRAFTED: PREPARED:

CHECKED BY: FRANCIS SIEGFRED C. LAMBINO ENGINEER II DARIUS M. MERCADO **ENGINEER II** FRANCIS SIEGFRED C. LAMBINO ENGINEER II DATE:

MARIANNE KRISCEL JEAN D. SAGA-OC **CHIEF, PLANNING & DESIGN SECTION** DATE:

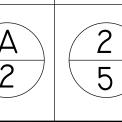
SUBMITTED:

MARIA CRISTINA E. TACARDON ASSISTANT DISTRICT ENGINEER

RECOMMENDED:

ISABELO C. BALEROS DISTRICT ENGINEER

APPROVED:



SHEET NO.

Main Information - 3"

Sub-Information - 1"

SET NO.



SITE DEVELOPMENT PLAN MUNTINLUPA NATIONAL HIGH SCHOOL (MAIN)

Eat. Sleep. Burger

SITE DEVELOPMENT PLAN PEDRO E. DIAZ HIGH SCHOOL



SITE DEVELOPMENT PLAN POBLACION ELEMENTARY SCHOOL

SITE

SITE



SITE

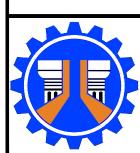
SITE DEVELOPMENT PLAN POBLACION NATIONAL HIGH SCHOOL



SITE DEVELOPMENT PLAN TUNASAN ELEMENTARY SCHOOL

SUBMITTED:

SITE



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SITE DEVELOPMENT PLAN

SHEET CONTENT:

DRAFTED:

SITE

FRANCIS SIEGFRED C. LAMBINO ENGINEER II DARIUS M. MERCADO ENGINEER II FRANCIS SIEGFRED C. LAMBINO ENGINEER II DATE:

CHECKED BY:

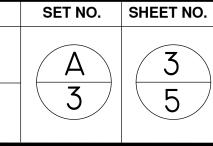
CHIEF, PLANNING & DESIGN SECTION DATE:

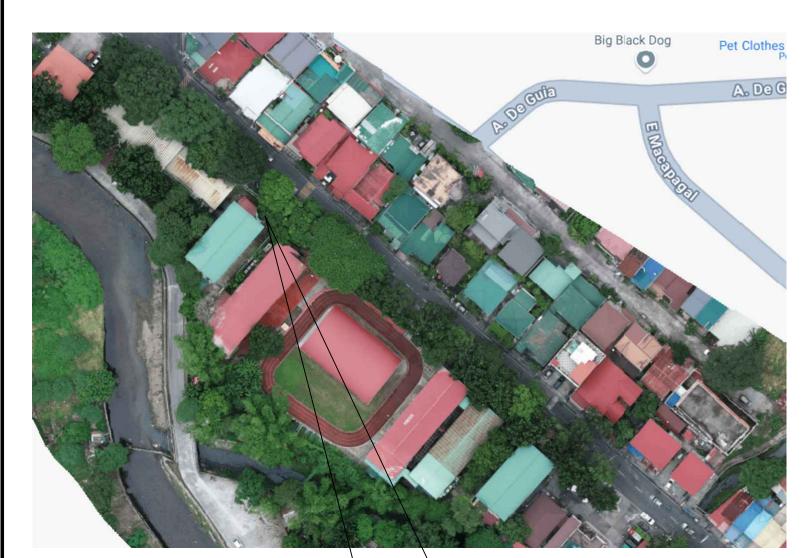
MARIANNE KRISCEL JEAN D. SAGA-OC MARIA CRISTINA E. TACARDON ASSISTANT DISTRICT ENGINEER

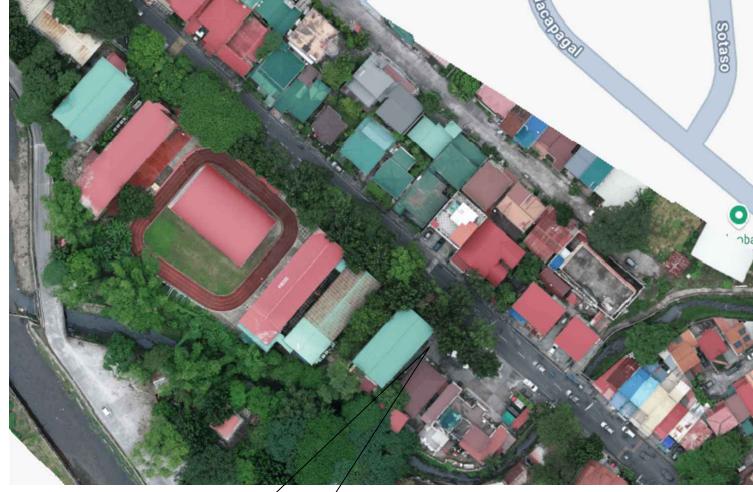
RECOMMENDED:

ISABELO C. BALEROS DISTRICT ENGINEER

APPROVED:









SITE DEVELOPMENT PLAN LAS PIÑAS CITY NATIONAL SENIOR HIGH SCHOOL TALON DOS CAMPUS

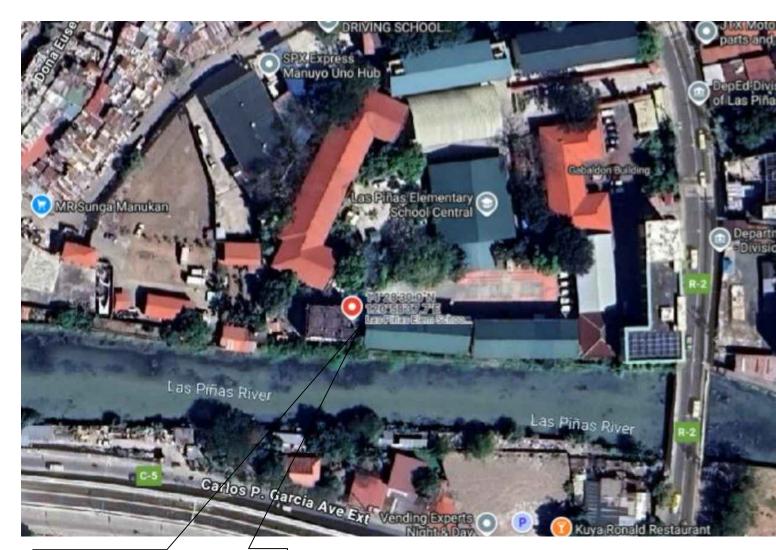
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SITE

SITE DEVELOPMENT PLAN LAS PIÑAS CITY NATIONAL SCIENCE HIGH SCHOOL

SITE DEVELOPMENT PLAN MOONWALK ELEMENTARY SCHOOL

SITE



SUBMITTED:

SITE

SITE DEVELOPMENT PLAN LAS PIÑAS ELEMENTARY SCHOOL CENTRAL

SHEET CONTENT:

SITE

SITE DEVELOPMENT PLAN GONZALO GATCHALIAN ELEMENTARY SCHOOL

RECOMMENDED:



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CONSTRUCTION OF RAINWATER COLLECTION SYSTEM (RWCS), LAS PIÑAS AND MUNTINLUPA

PROJECT AND LOCATION:

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DRAFTED: FRANCIS SIEGFRED C. LAMBINO ENGINEER II PREPARED: FRANCIS SIEGFRED C. LAMBINO ENGINEER II

CHECKED BY: DARIUS M. MERCADO ENGINEER II DATE: DATE:

MARIANNE KRISCEL JEAN D. SAGA-OC MARIA CRISTINA E. TACARDON CHIEF, PLANNING & DESIGN SECTION

ASSISTANT DISTRICT ENGINEER

ISABELO C. BALEROS DISTRICT ENGINEER

APPROVED:

