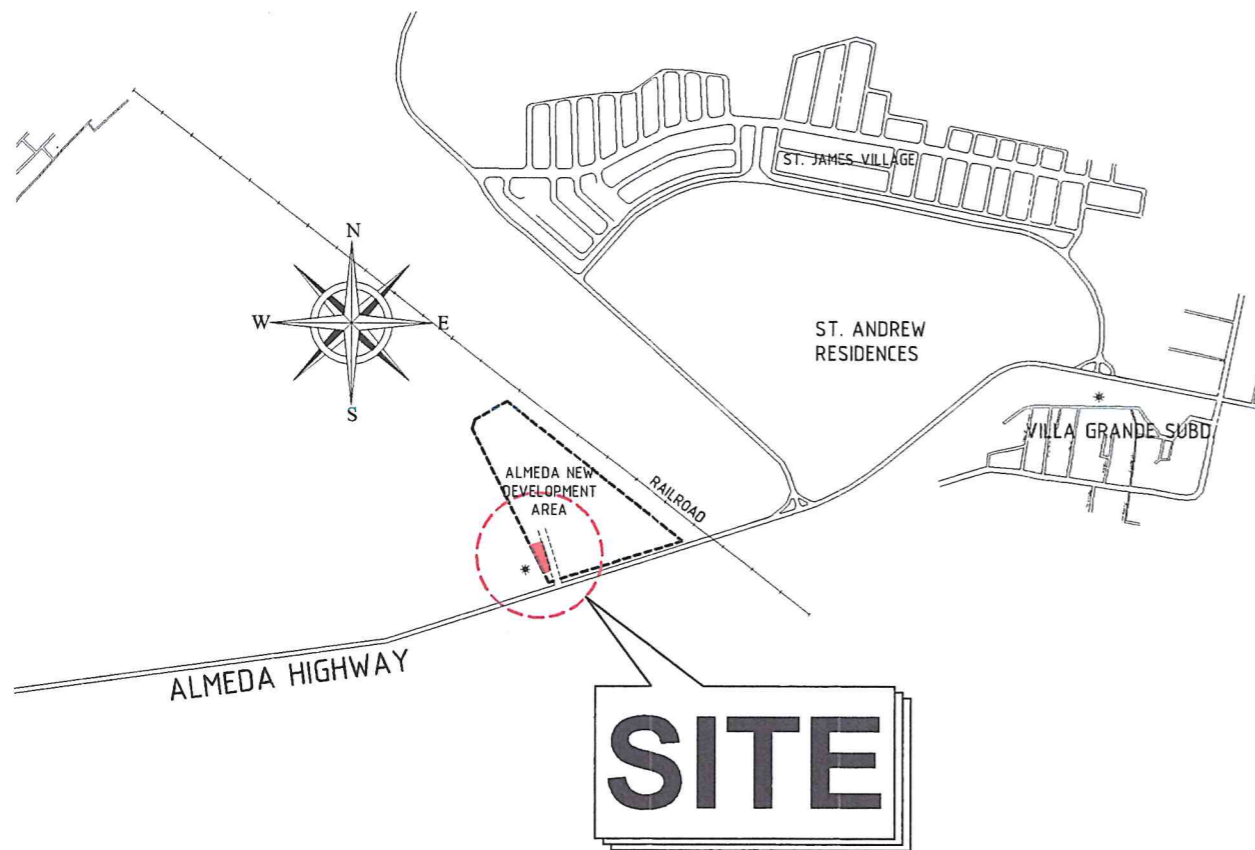


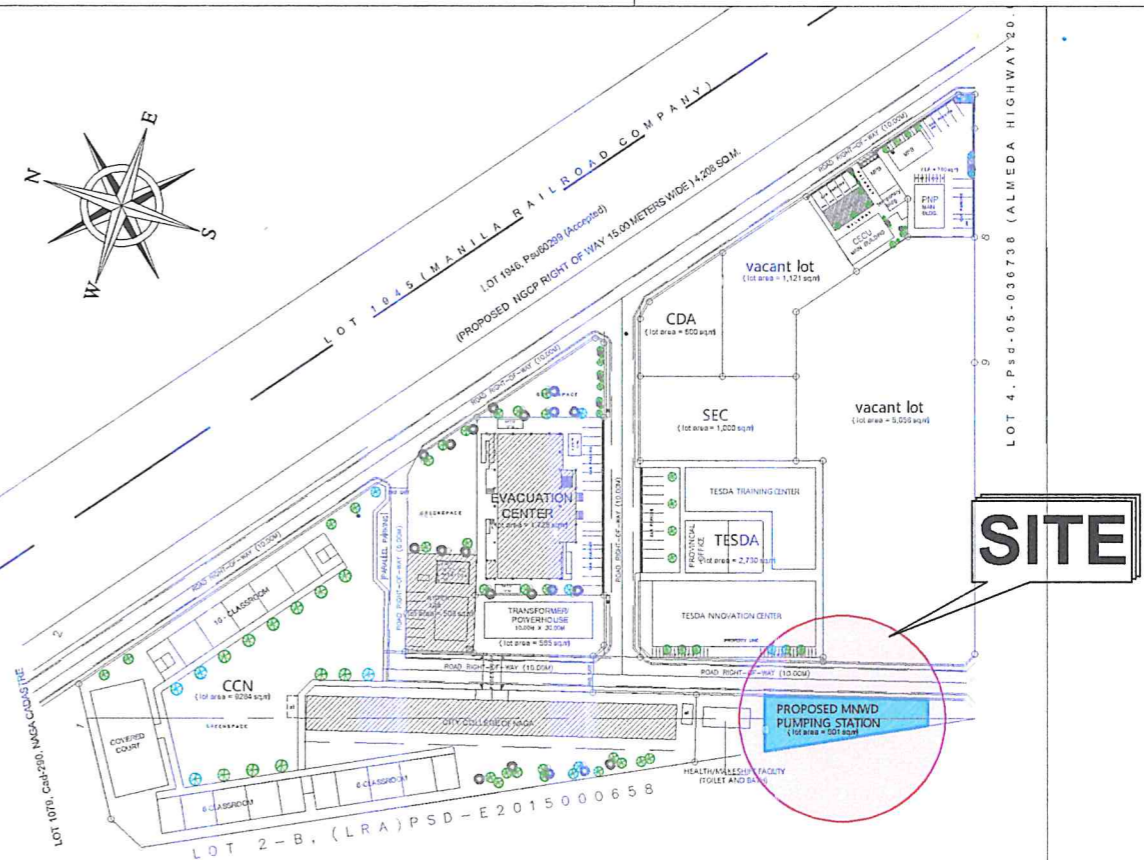
PERSPECTIVE

NOT TO SCALE




VICINITY MAP

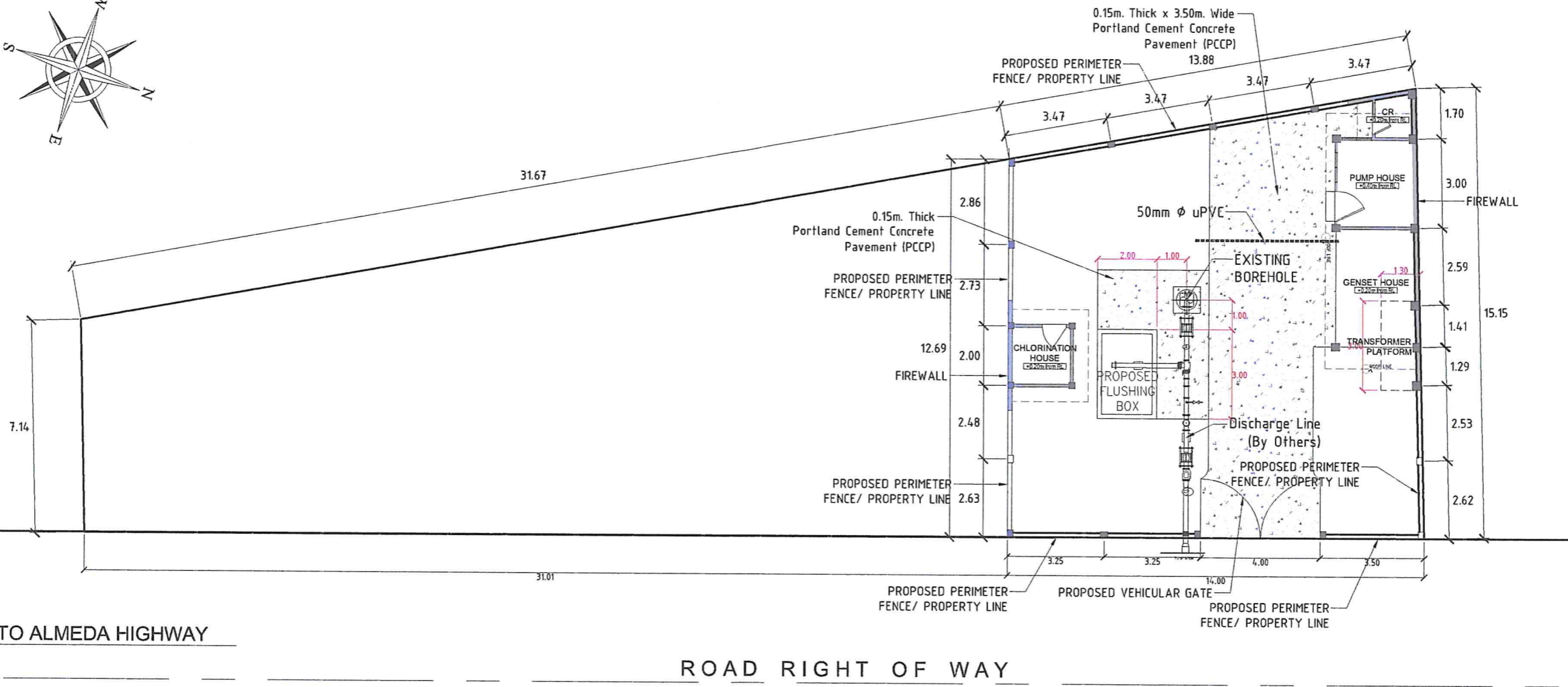
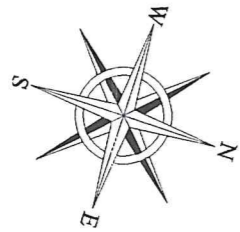
NTS



LOCATION MAP

NTS

 <p>Republic of the Philippines METROPOLITAN NAGA WATER DISTRICT 40 J. Miranda Avenue, Naga City</p>	<p>PREPARED BY:</p> <p><i>[Signature]</i> SHARMAINE E. BRACIA OIC - Division Mgr., PDCD</p>	<p>CHECKED BY:</p> <p><i>[Signature]</i> SONJUN O. MILLARES OIC - Dept. Mgr., EED</p>	<p>RECOMMENDING APPROVAL:</p> <p><i>[Signature]</i> ARTURO MARCO OIC - Dept. Mgr., PD</p>	<p>APPROVED:</p> <p><i>[Signature]</i> ROQUE S. FRANCISCO AGM, O&TS</p>	<p>APPROVED:</p> <p><i>[Signature]</i> FLORENCIO T. MONGOSO JR. General Manager A</p>	<p>PROJECT TITLE/LOCATION:</p> <p>PROPOSED ALMEDA II PUMPING STATION Barangay Concepcion Grande, Naga City</p>	<p>SHEET CONTENTS:</p> <p>Perspective Vicinity Map Location Map</p>	<p>SHEET NO.:</p> <p>1 17</p>
	<p>CAD by: Juliet</p>							<p>Date: 05-2024</p>



TO ALMEDA HIGHWAY

ROAD RIGHT OF WAY

⊕ SITE DEVELOPMENT PLAN

NOT TO SCALE



Republic of the Philippines
**METROPOLITAN NAGA
 WATER DISTRICT**
 40 J. Miranda Avenue, Naga City

PREPARED BY:

[Signature]
SHARMAINE E. BRACIA
 OIC - Division Mar. PDCD

CHECKED BY:

[Signature]
SONJUN O. MILLARES
 OIC - Dept. Mar. FFD

RECOMMENDING APPROVAL:

[Signature]
ROQUE S. FRANCISCO
 AEM. OIC

APPROVED:

[Signature]
FLORENCIO T. MONGOSO JR.
 General Manager

PROJECT TITLE/LOCATION:

PROPOSED ALMEDA II PUMPING STATION

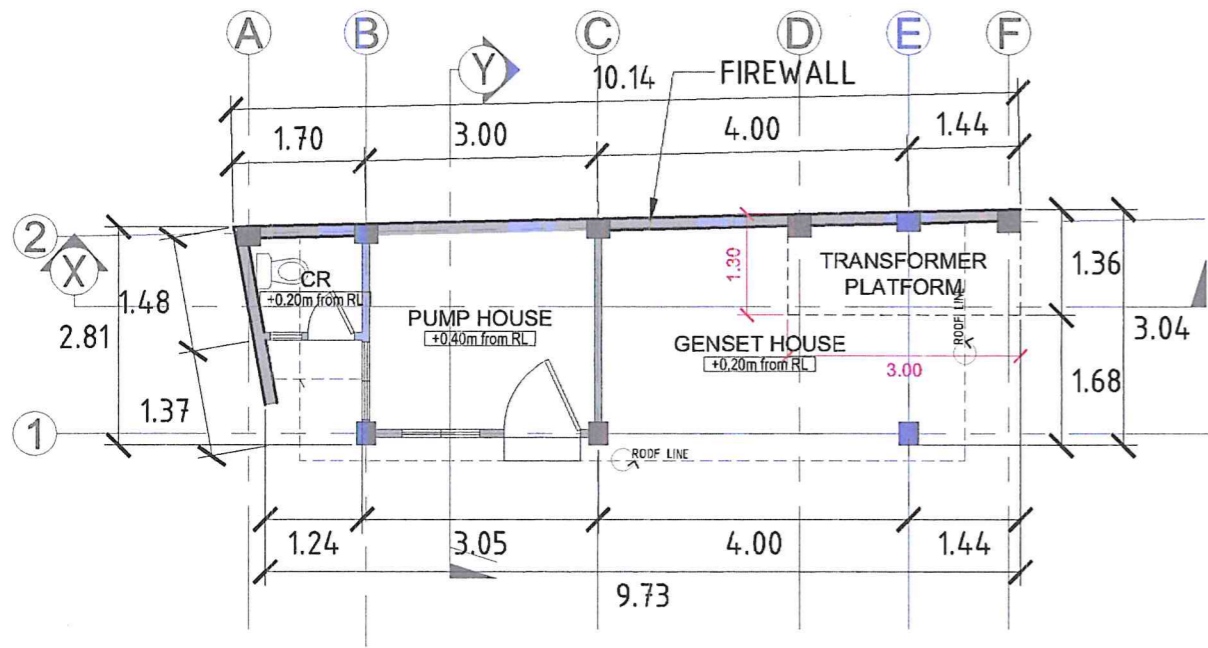
SHEET CONTENTS:

Site Development Plan

SHEET NO.:

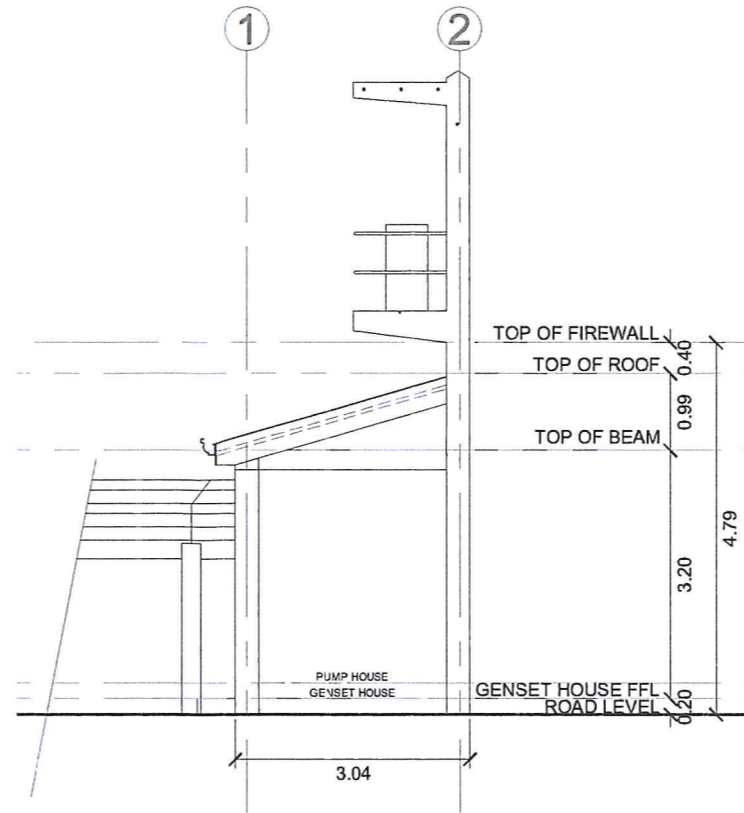
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17



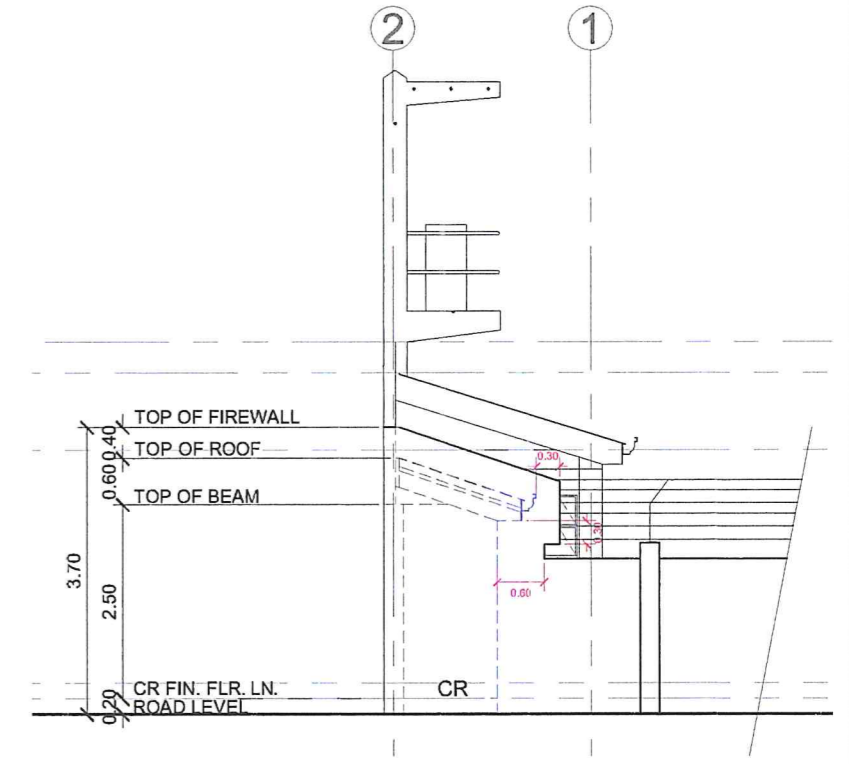
FLOOR PLAN

SCALE 1 : 100 MTS.



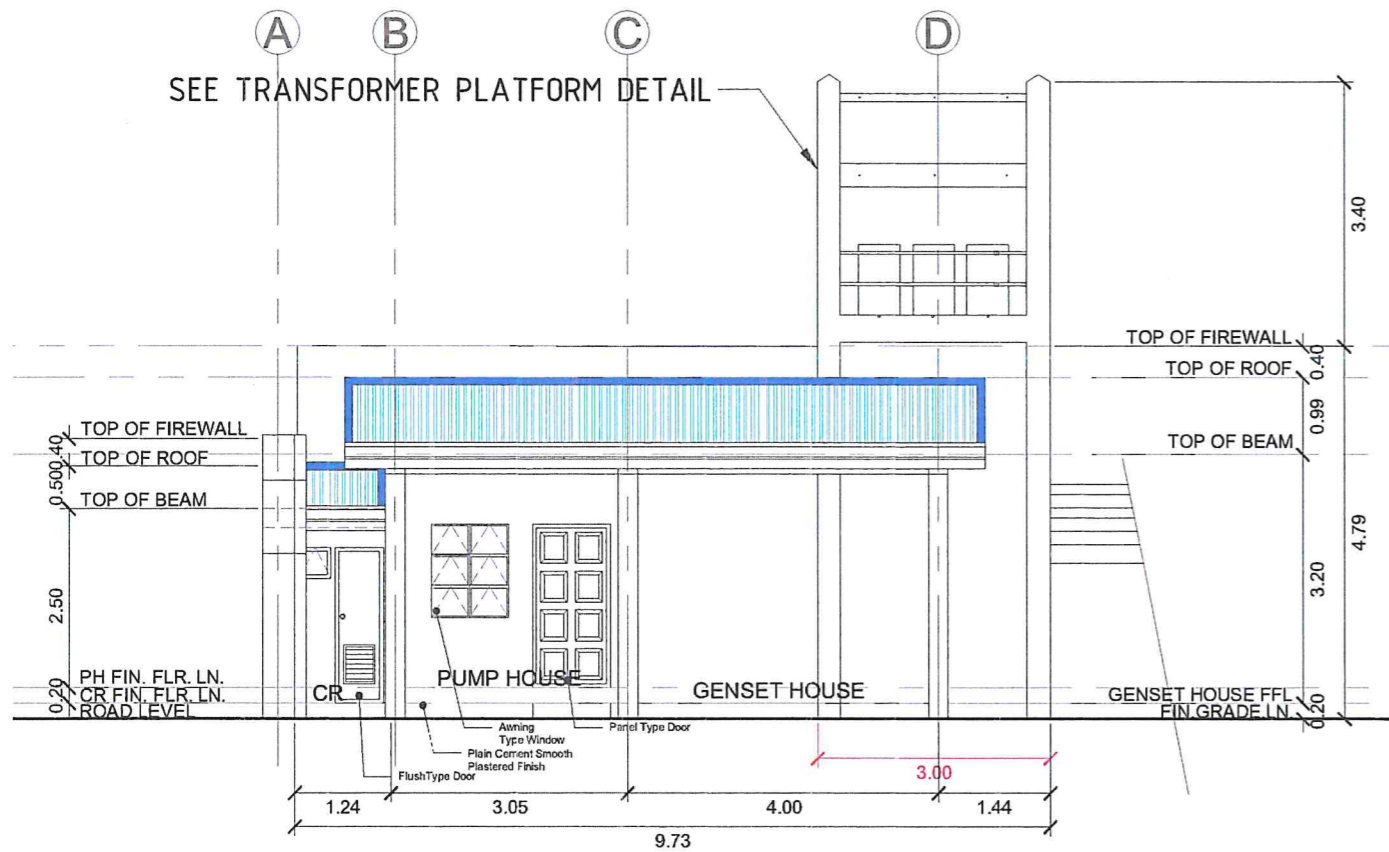
RIGHTSIDE ELEVATION

SCALE 1 : 100 MTS.



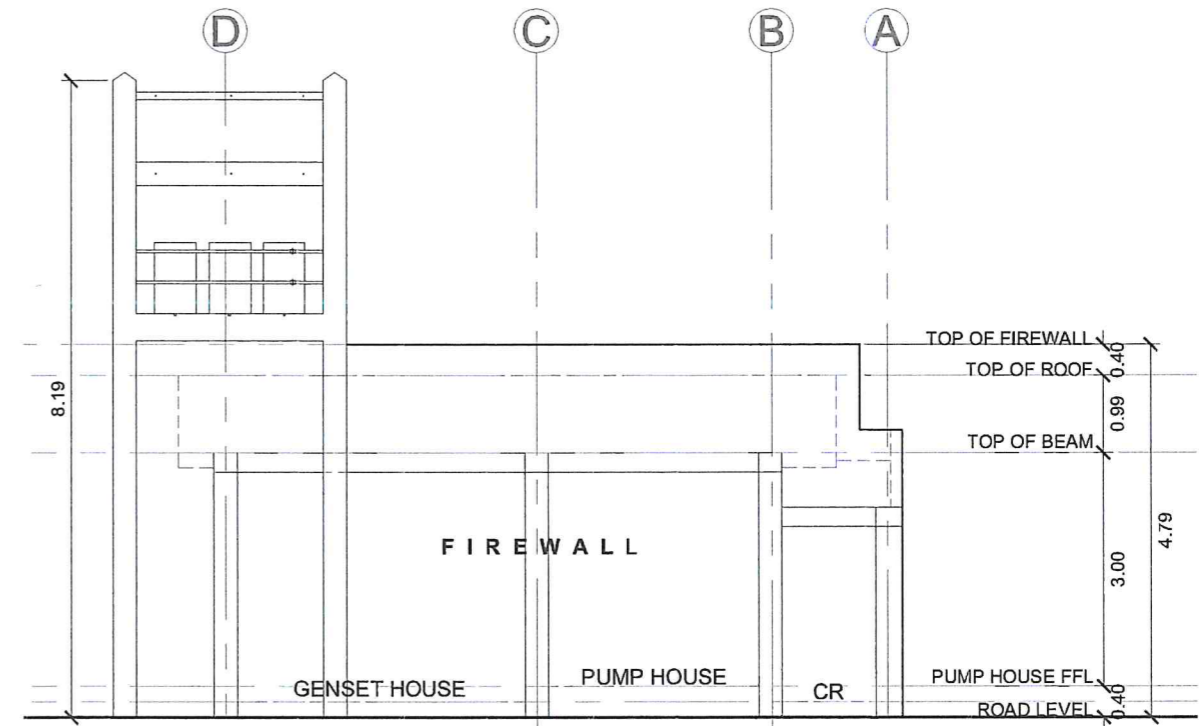
LEFTSIDE ELEVATION

SCALE 1 : 100 MTS.



FRONT ELEVATION

SCALE 1 : 100 MTS.



REAR ELEVATION

SCALE 1 : 100 MTS.



Republic of the Philippines
METROPOLITAN NAGA WATER DISTRICT
 40 J. Miranda Avenue, Naga City

PREPARED BY:

[Signature]
SHARMAINE E. BRACIA
 OIC - Division Mgr. PWD

CHECKED BY:

[Signature]
SONJUN O. MILLARES
 OIC - Dist. Mgr. PWD

RECOMMENDING APPROVAL:

[Signature]
ARTURO MARCO
 OIC - Dist. Mgr. PWD

APPROVED:

[Signature]
ROQUE S. FRANCISCO
 ADM. OFFICER

PROJECT TITLE/LOCATION:

[Signature]
FLORENCIO T. MONGOSO JR.
 General Manager

PROJECT TITLE/LOCATION:

PROPOSED ALMEDA II PUMPING STATION
 Barangay Concepcion Grande, Naga City

SHEET CONTENTS:

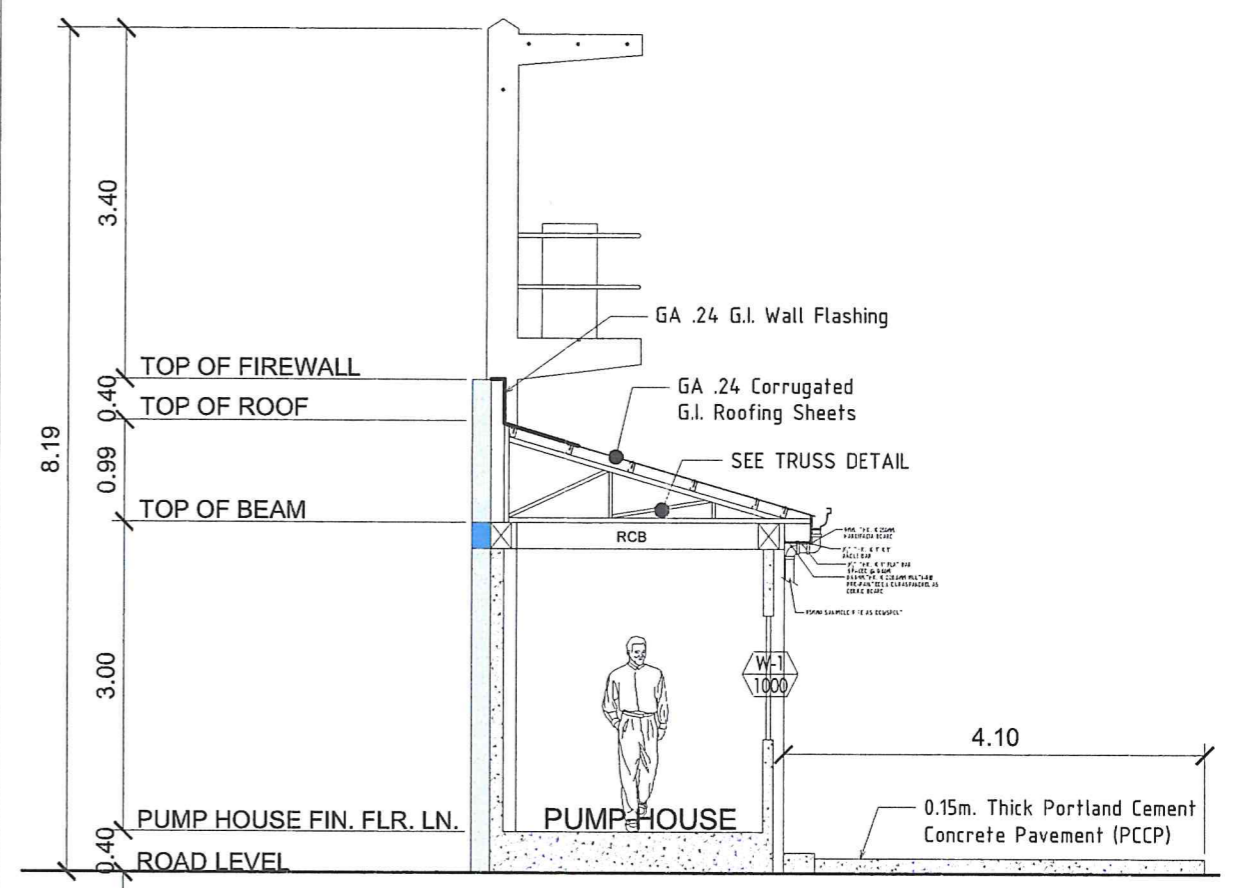
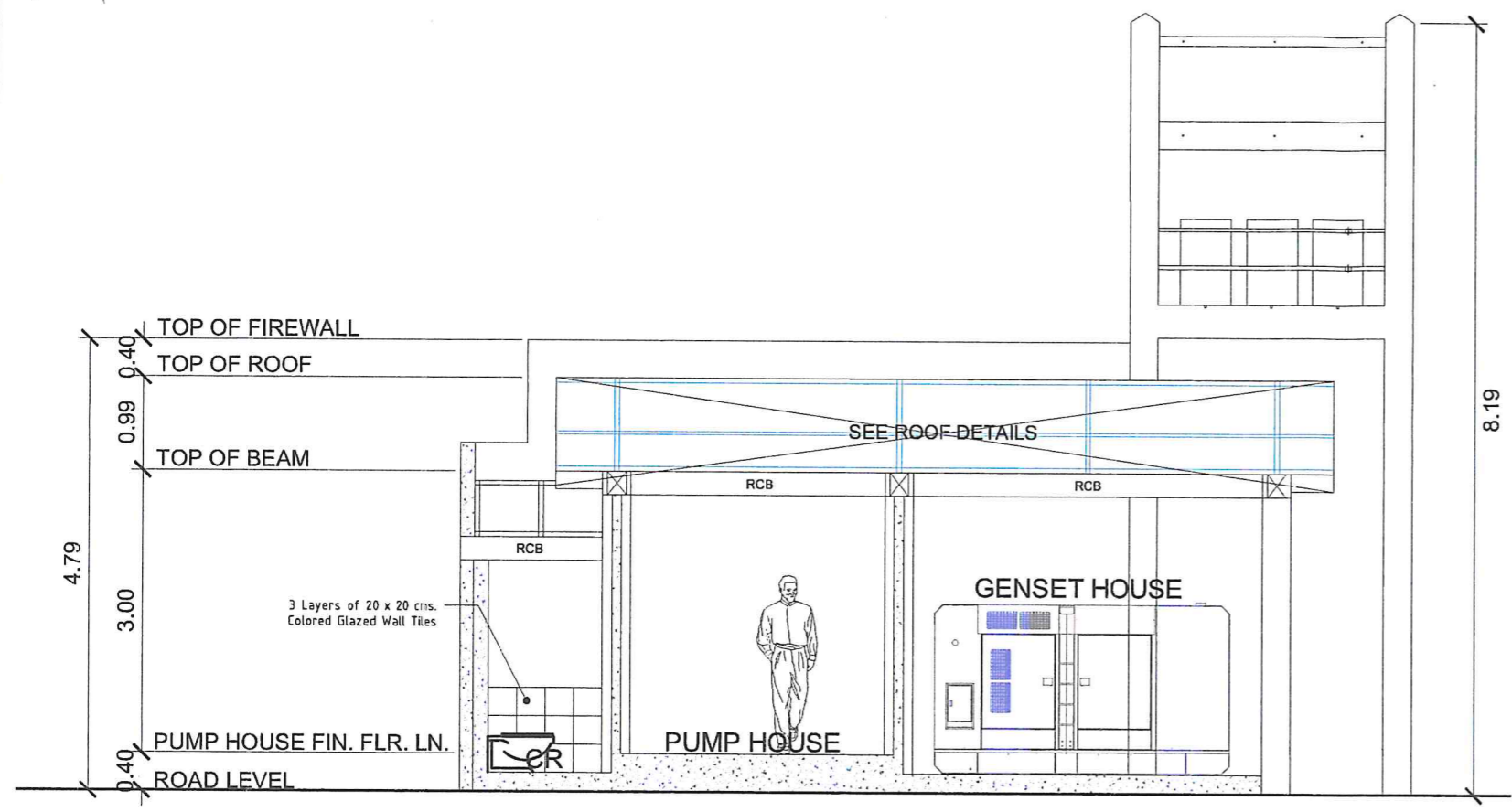
Floor Plan (Pump House)
 Elevations

CAD by: Jelit

SHEET NO.:

3
 17

Date: 05-2024

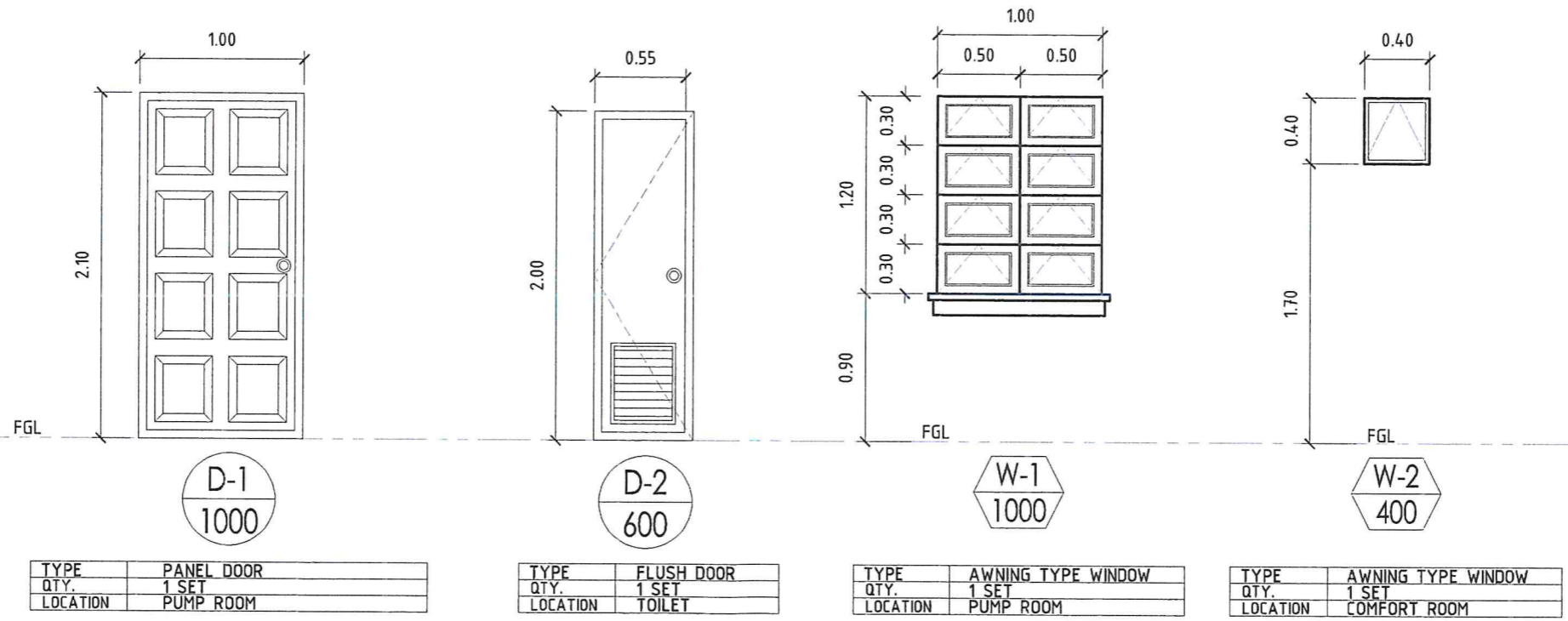


SECTION THRU X' - X''

SCALE 1 : 75 MTS.

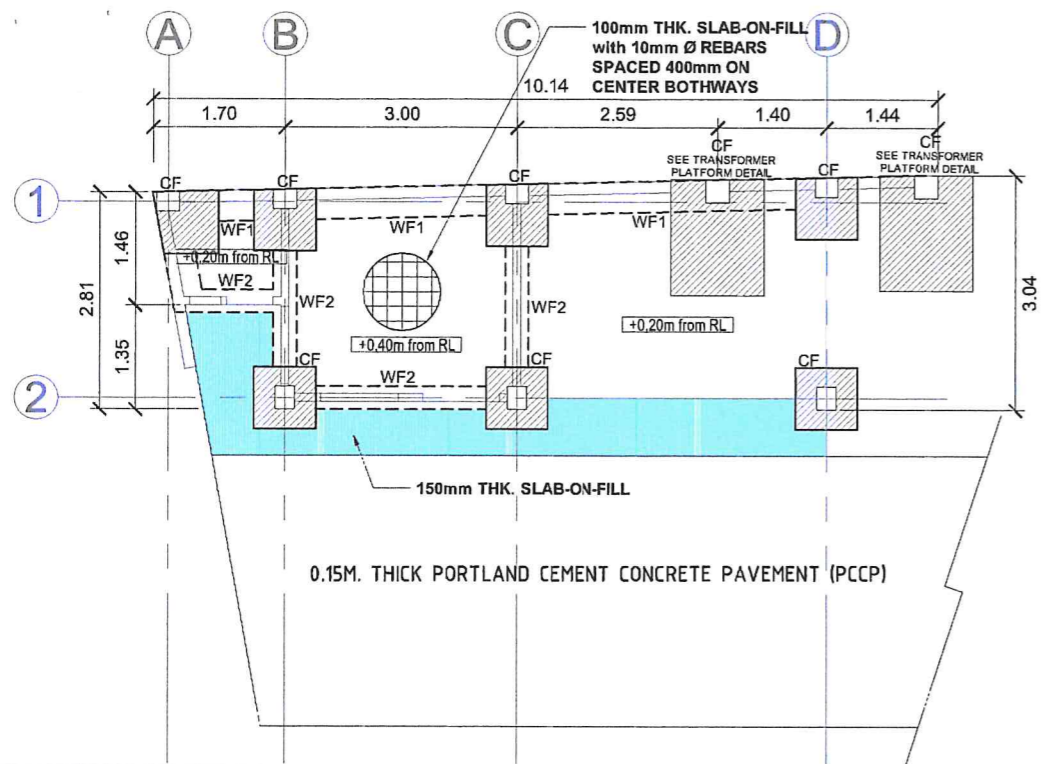
SECTION THRU X' - X''

SCALE 1 : 75 MTS.



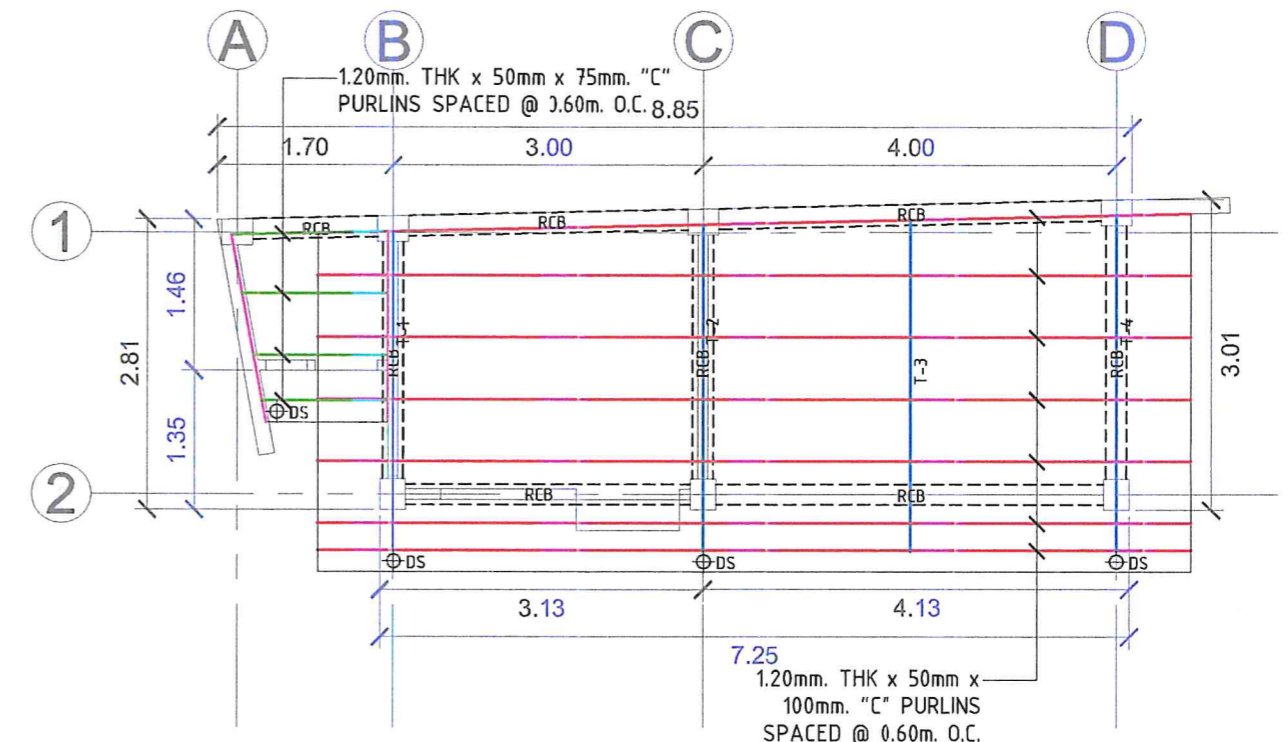
SCHEDULE OF DOORS AND WINDOWS

SCALE 1 : 40 MTS.



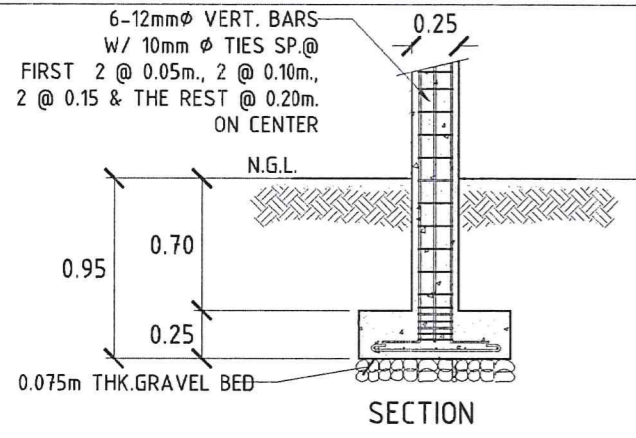
FOUNDATION PLAN

SCALE 1 : 100 MTS.

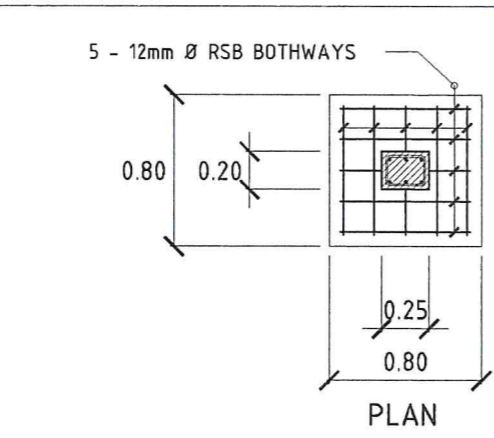


ROOF FRAMING PLAN

SCALE 1 : 75 MTS.



SECTION

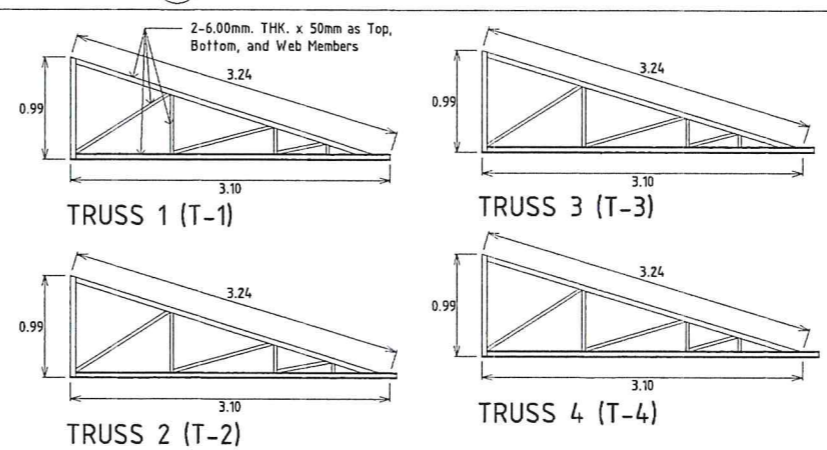


PLAN

CF

COLUMN/FOOTING DETAIL

NOT TO SCALE



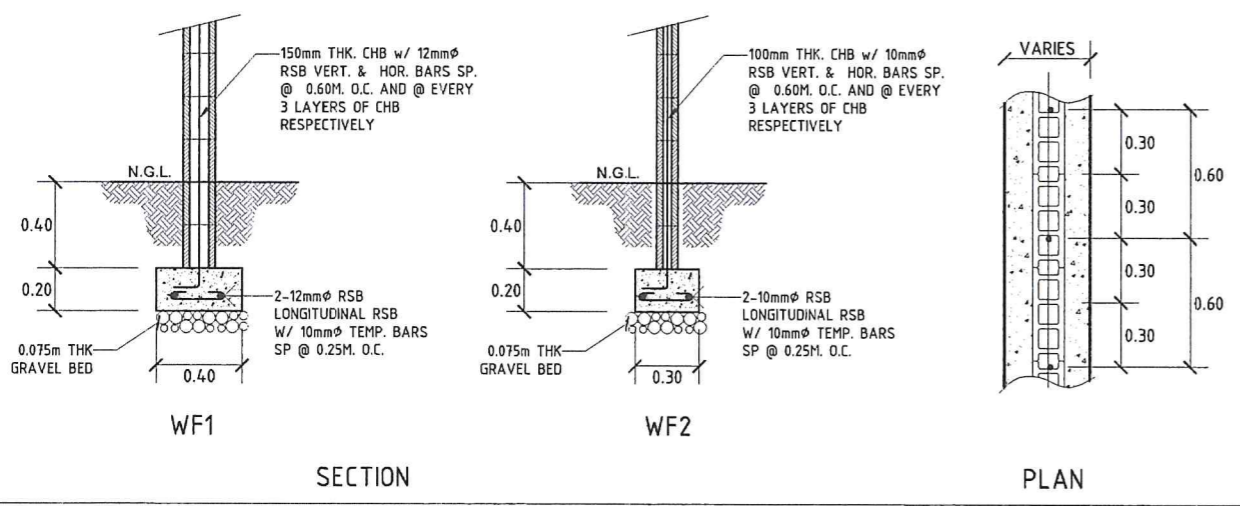
TRUSSES DETAIL

NOT TO SCALE

MARK	SIZE (mm)	@ SUPPORTS	@ MID-SPAN
		10mm Ø STIRRUPS SPACED AS FOLLOWS: 2 @ 0.05M, 2 @ 0.10M, 2 @ 0.15M & THE REST @ 0.20M O.C.	
RCB	200 x 250		

SCHEDULE OF BEAM

NOT TO SCALE

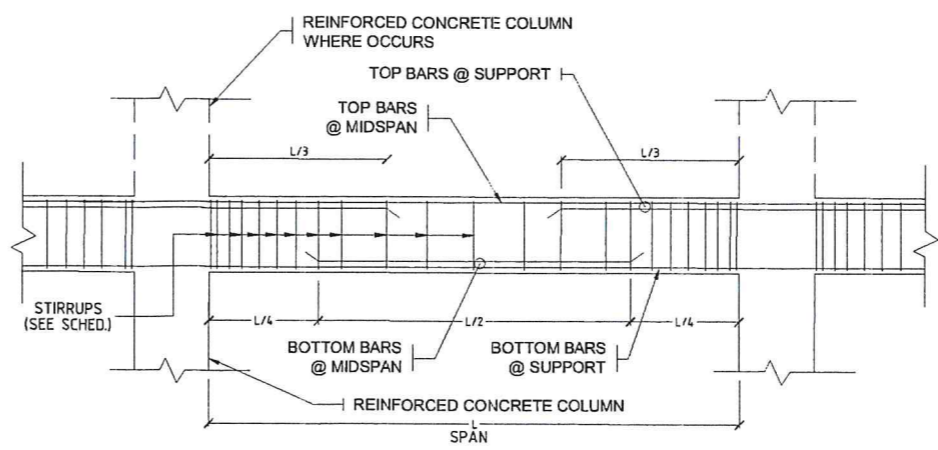


SECTION

PLAN

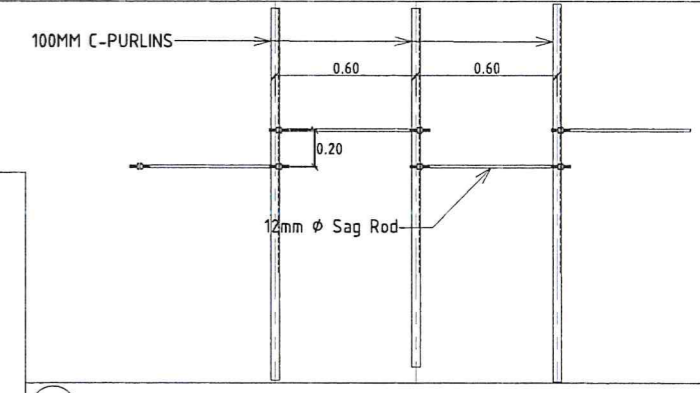
WALL FOOTING DETAIL

NOT TO SCALE



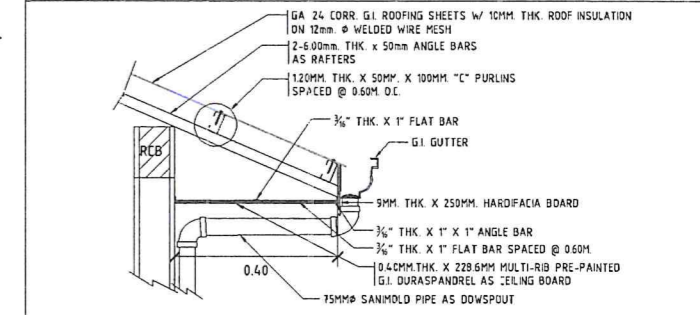
TYPICAL BEAM DETAIL

NOT TO SCALE



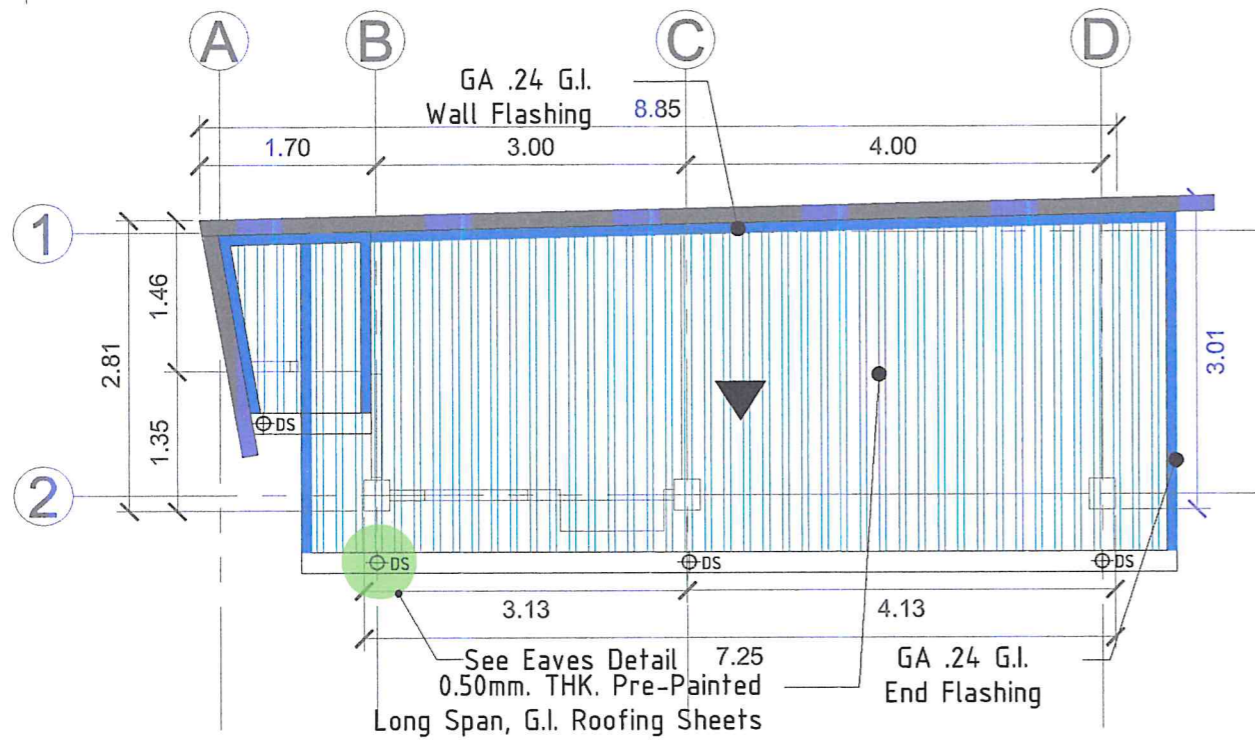
SAGROD DETAIL

NOT TO SCALE



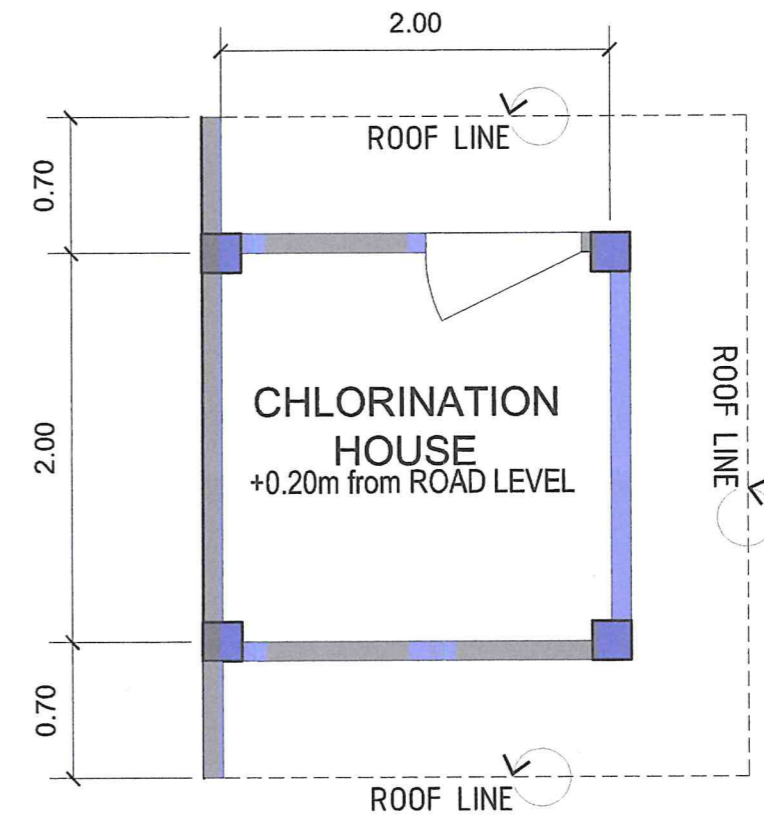
EAVES DETAIL

NOT TO SCALE



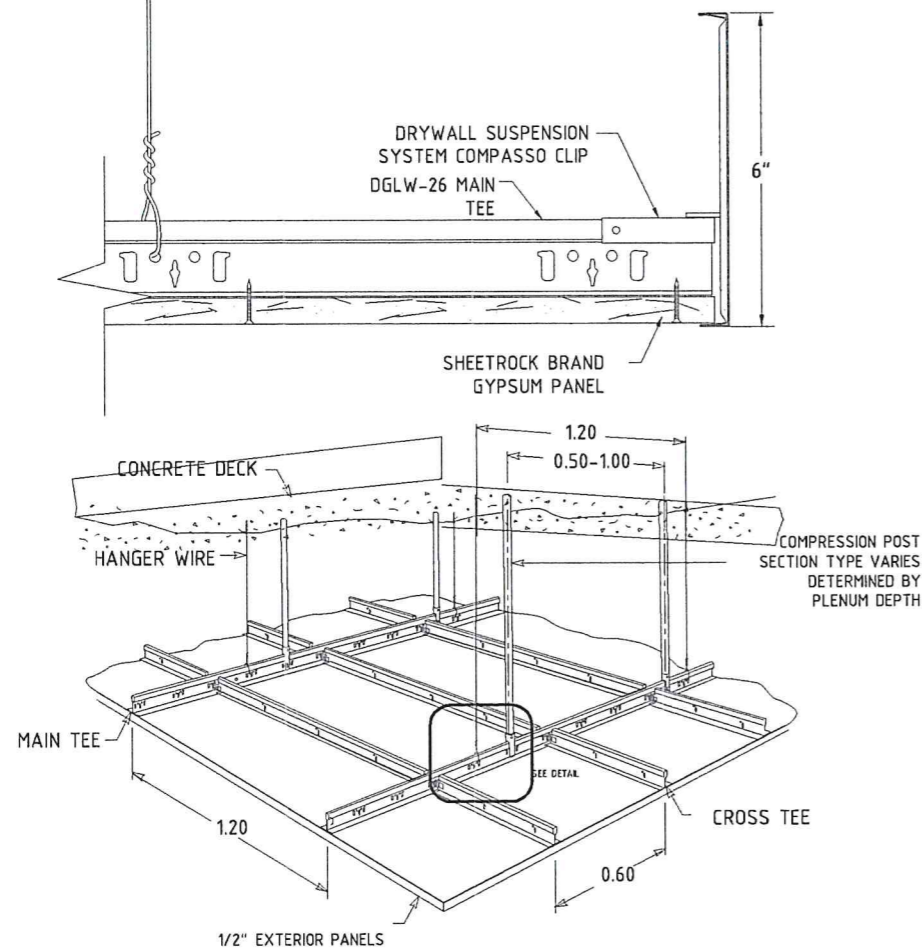
ROOF PLAN

SCALE 1 : 75 MTS.



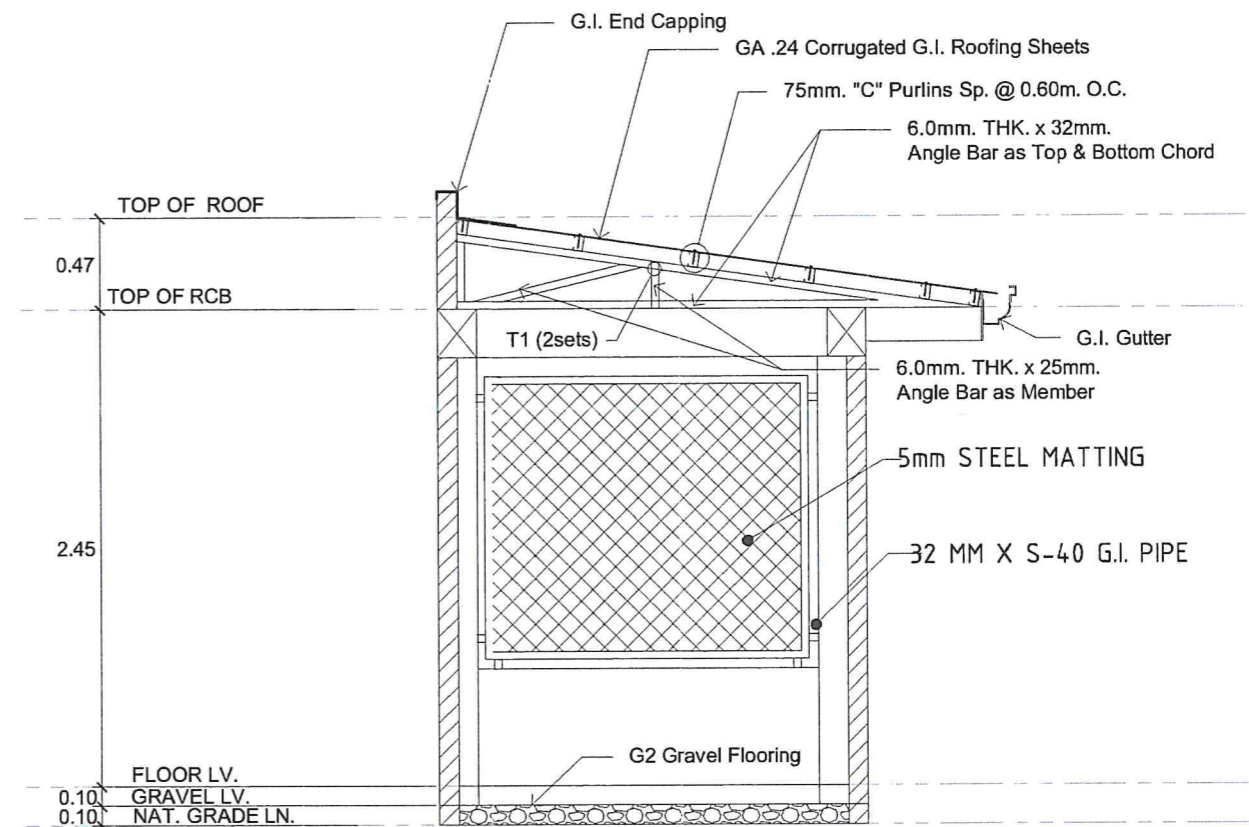
FLOOR PLAN (CHLORINATION HOUSE)

SCALE 1 : 40 MTS.



CEILING DETAIL

NOT TO SCALE



CROSS SECTION DETAIL

SCALE 1 : 40 MTS.



Republic of the Philippines
**METROPOLITAN NAGA
 WATER DISTRICT**
 40 J. Miranda Avenue, Naga City

PREPARED BY:

[Signature]
SHARMAINE E. BRACIA
 OIC, Div. Engr. M&E

CHECKED BY:

[Signature]
SONJUN O. MILLARES
 OIC, Dist. Engr. E&C

RECOMMENDING APPROVAL:

[Signature]
ROQUE S. FRANCISCO
 ADM. OFFICER

APPROVED:

[Signature]
FLORENCIO T. MONGOSO JR.
 General Manager A

PROJECT TITLE/LOCATION:

PROPOSED ALMEDA II PUMPING STATION

Baranay Concion Grande, Naga City

SHEET CONTENTS:

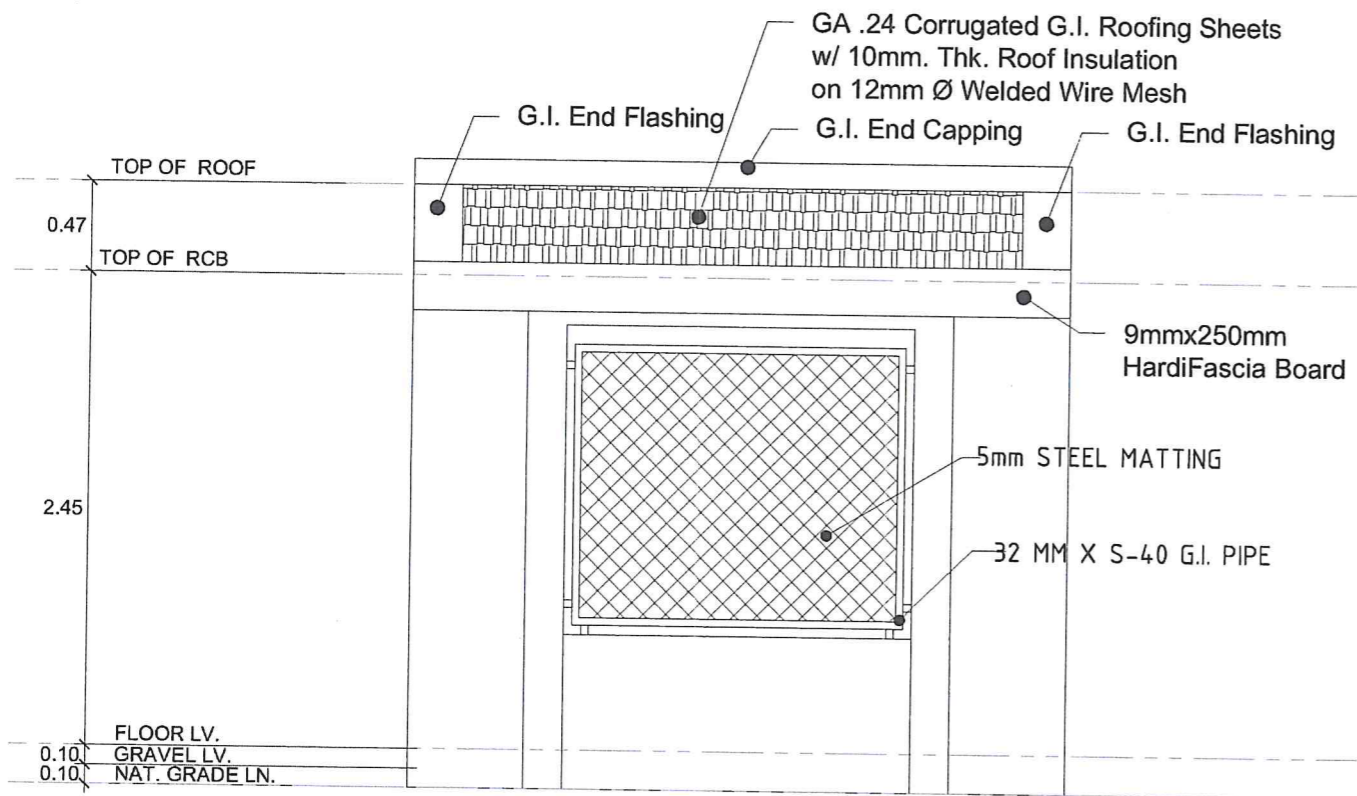
Floor Plan (Pump House)
 Elevations

CAD by: Juliet

SHEET NO.:

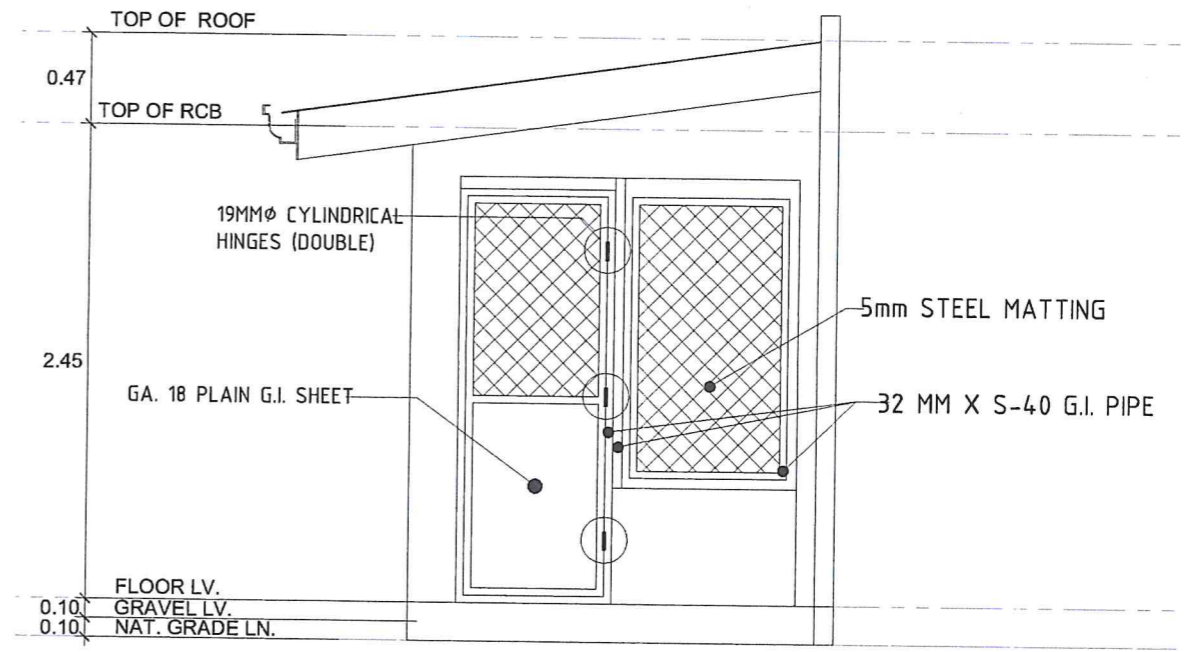
6
 17

Date: 05-2024



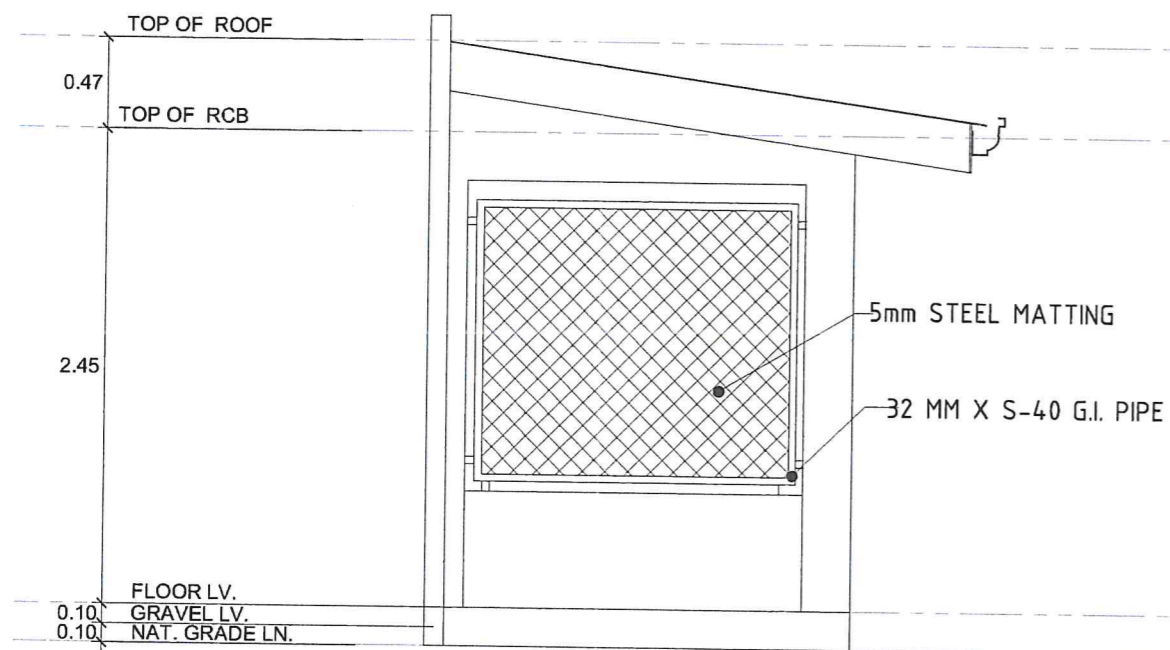
⊖ FRONT ELEVATION (CHLORINATION HOUSE)

SCALE 1 : 40 MTS.



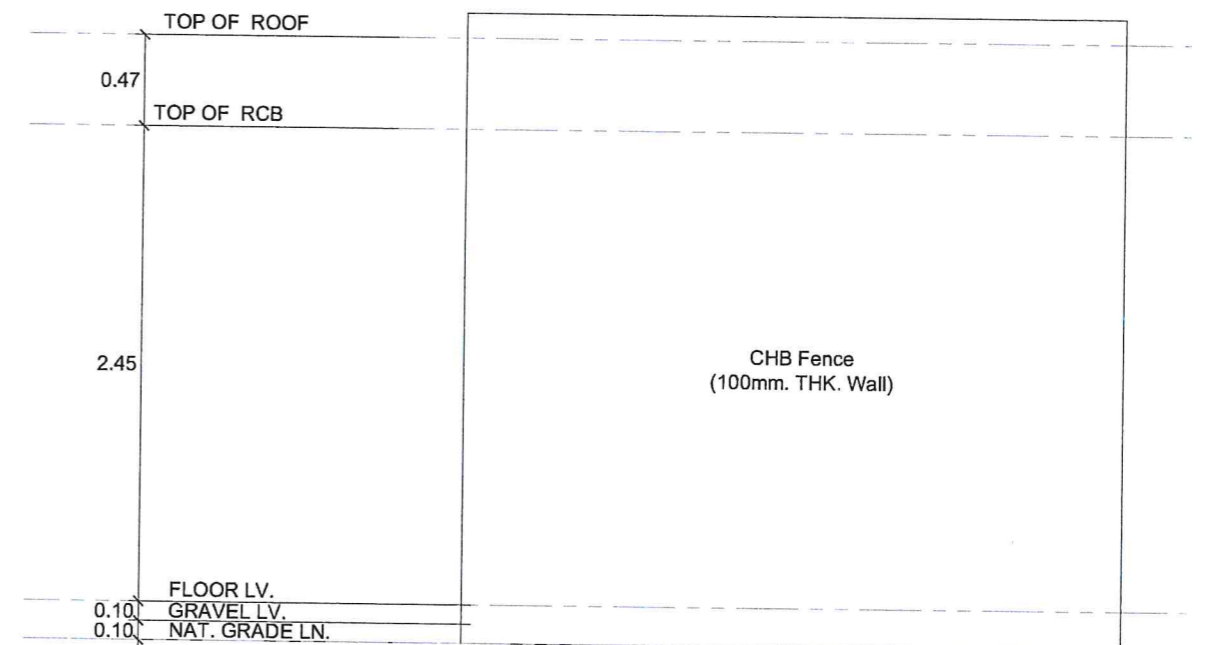
⊖ RIGHTSIDE ELEVATION

SCALE 1 : 40 MTS.



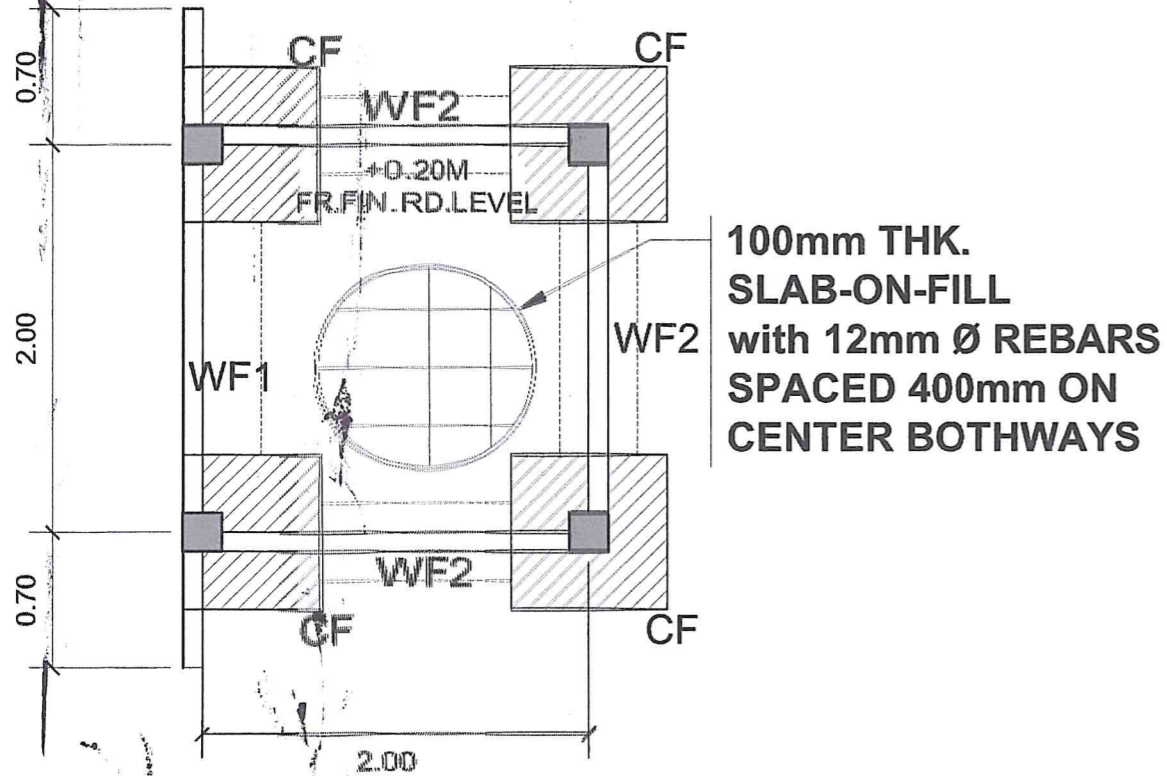
⊖ LEFTSIDE ELEVATION

SCALE 1 : 40 MTS.



⊖ REAR ELEVATION

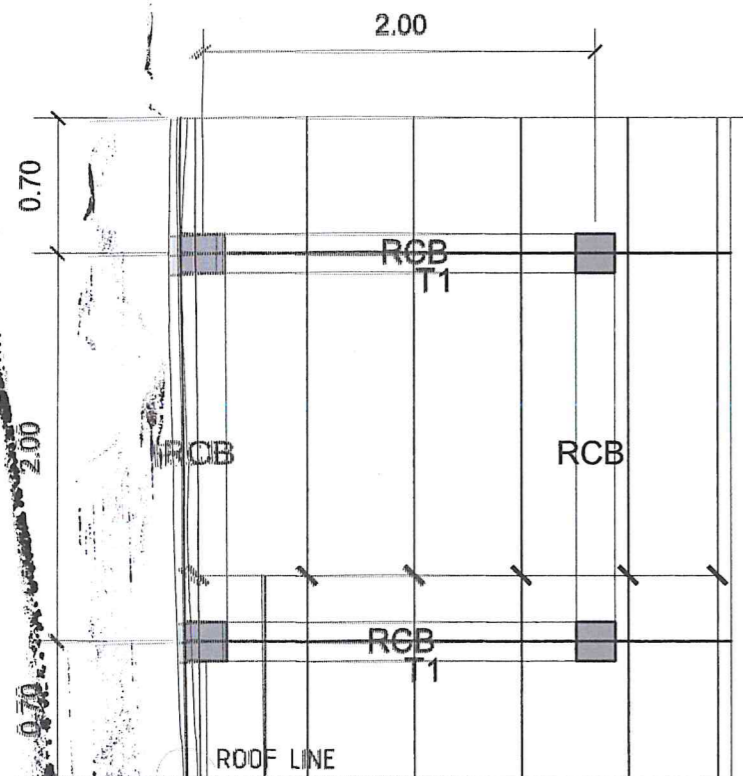
SCALE 1 : 40 MTS.



100mm THK. SLAB-ON-FILL with 12mm Ø REBARS SPACED 400mm ON CENTER BOTHWAYS

FOUNDATION PLAN (CHLORINATION HOUSE)

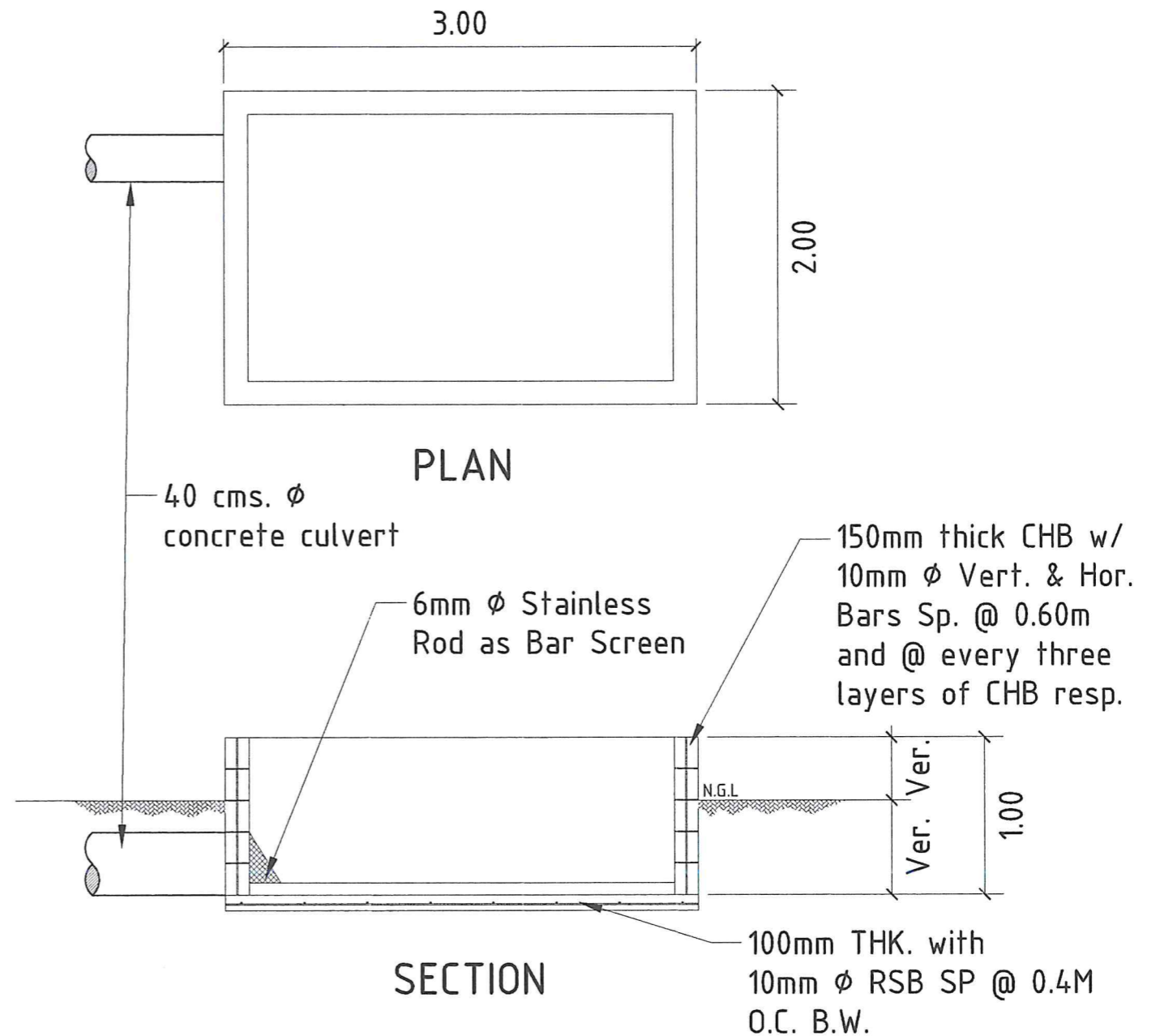
SCALE 1 : 40 MTS.



1.20mm. THK. x 50mm. x 75mm. "C" PURLINS SPACED @ 0.60m. O.C.

ROOF FRAMING PLAN (CHLORINATION HOUSE)

SCALE 1 : 40 MTS.

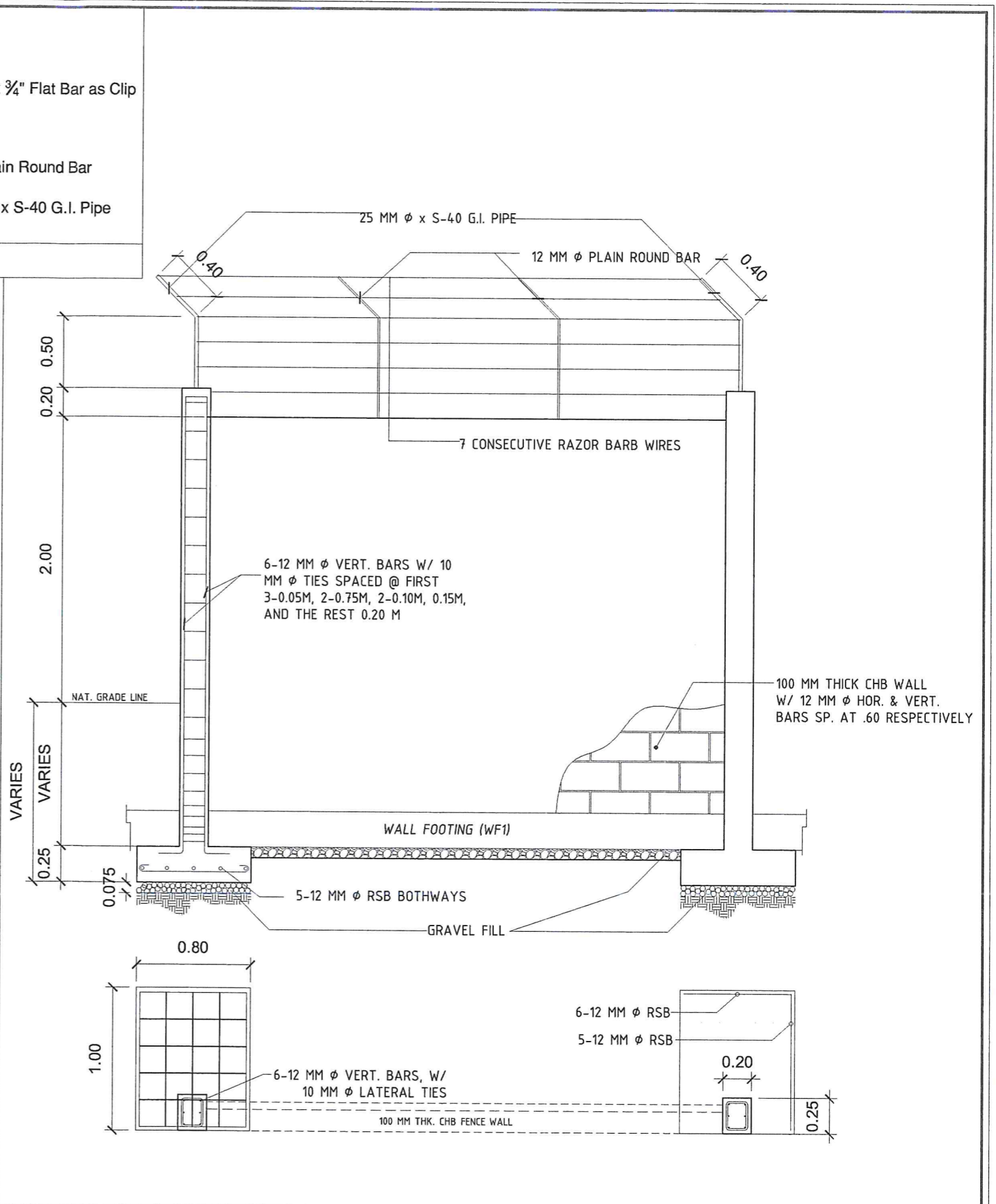
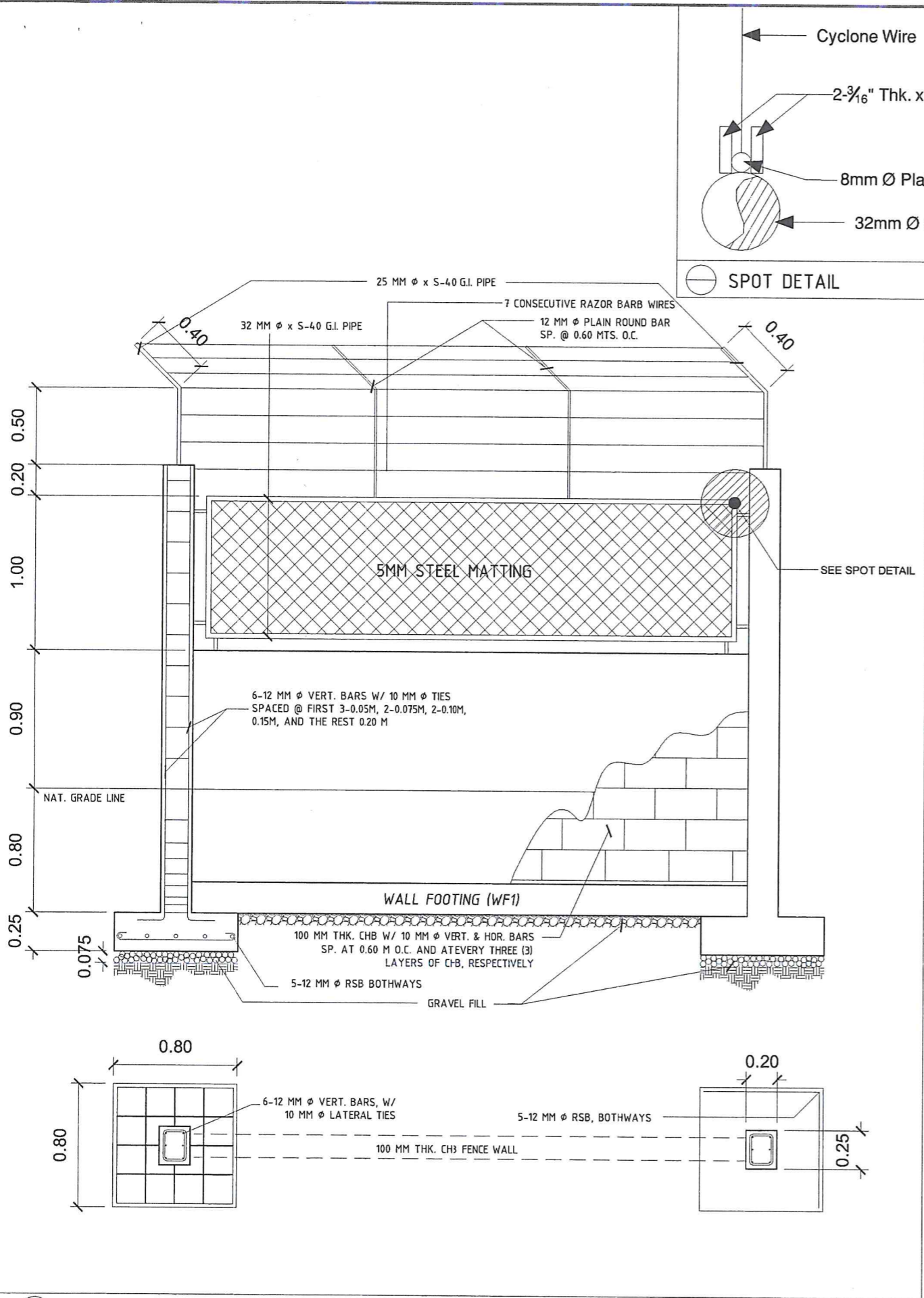


PLAN

SECTION

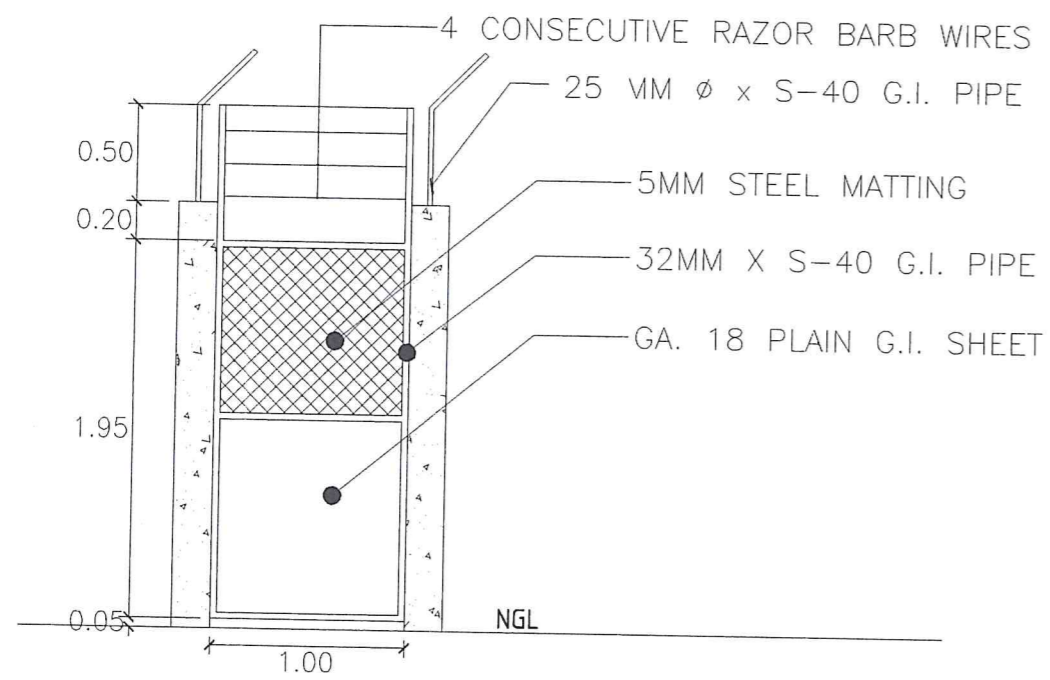
FLUSHING BOX DETAIL

SCALE 1 : 40 MTS.



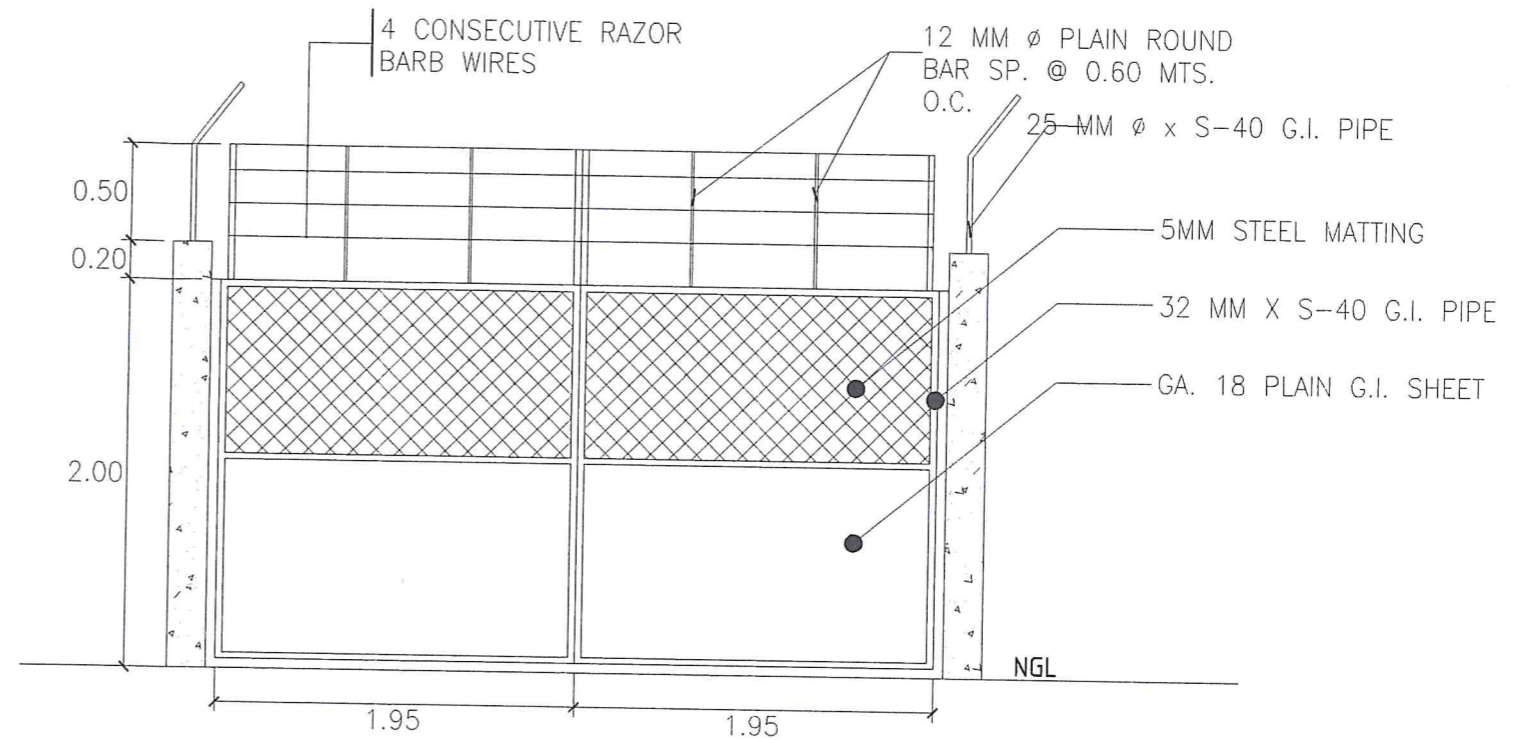
⊖ FRONT FENCE DETAILED SECTION NOT TO SCALE ⊖ RIGHTSIDE, LEFTSIDE AND REAR DETAILED SECTION NOT TO SCALE

<p>Republic of the Philippines METROPOLITAN NAGA WATER DISTRICT 40 J. Miranda Avenue, Naga City</p>	PREPARED BY:	CHECKED BY:	RECOMMENDING APPROVAL:	APPROVED :	PROJECT TITLE/LOCATION:	SHEET CONTENTS :	SHEET NO.:	
	 SHARMAINE E. BRACIA OIC - Division Mgr., PDCD	 SONJUN O. MILLARES OIC - Dept. Mgr., EED	 ARTURO MARCO OIC - Dept. Mgr., PD	 ROQUE S. FRANCISCO AGM, O&TS	 FLORENCIO T. MONGOSO JR. General Manager A	PROPOSED ALMEDA II PUMPING STATION Barangay Concepcion Grande, Naga City	Floor Plan (Pump House) Elevations	9 17
						CAD by: Juliet	Date: 05-2024	



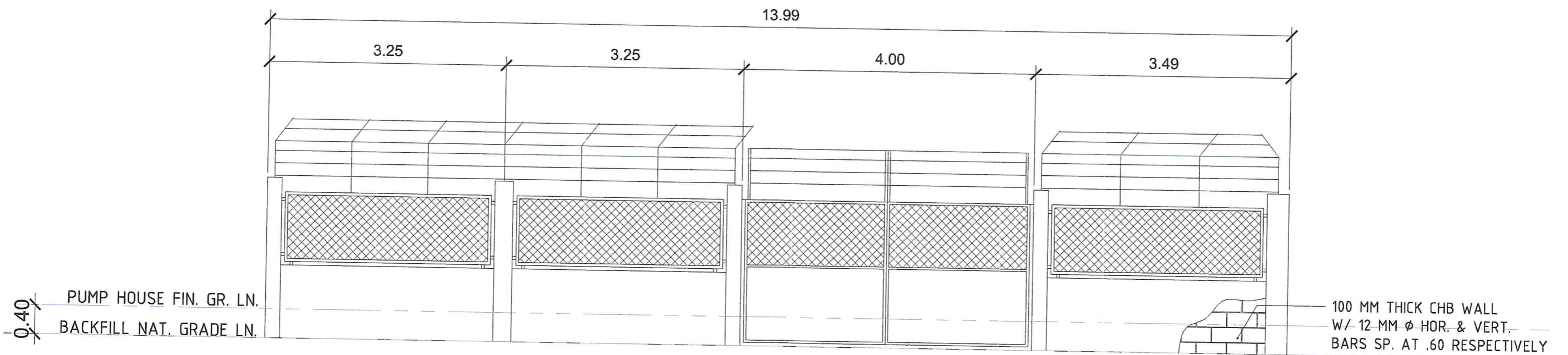
⊖ PEDESTRIAN GATE DETAIL

SCALE 1 : 40 MTS.



⊖ VEHICULAR GATE DETAIL

SCALE 1 : 40 MTS.



⊖ FRONT ELEVATION (PERIMETER FENCE GATE)

NOT TO SCALE



Republic of the Philippines
METROPOLITAN NAGA
WATER DISTRICT
40 J. Miranda Avenue, Naga City

PREPARED BY:

Sharmaine E. Bracia
SHARMAINE E. BRACIA
OIC - Division Mgr., PDCD

CHECKED BY:

Sonjun O. Millares
SONJUN O. MILLARES
OIC - Dept. Mgr., EED

RECOMMENDING APPROVAL:

Arturo Marco
ARTURO MARCO
OIC - Dept. Mgr., PD

APPROVED:

Roque S. Francisco
ROQUE S. FRANCISCO
AGM, D&TS

APPROVED:

Florencio T. Mongoso Jr.
FLORENCIO T. MONGOSO JR.
General Manager A

PROJECT TITLE/LOCATION:

PROPOSED ALMEDA II PUMPING STATION

Barangay Concepcion Grande, Naga City

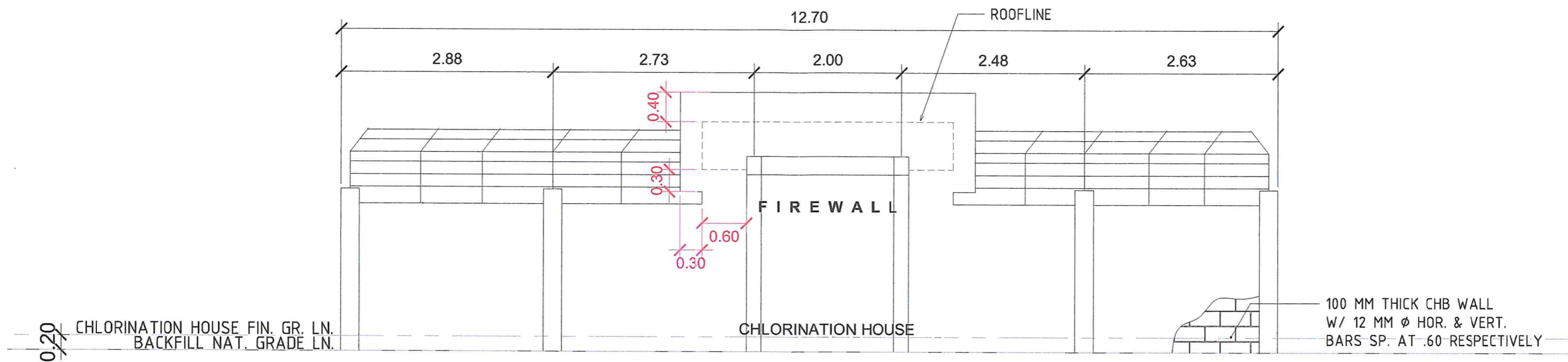
SHEET CONTENTS:

Floor Plan (Pump House)
Elevations

SHEET NO.:

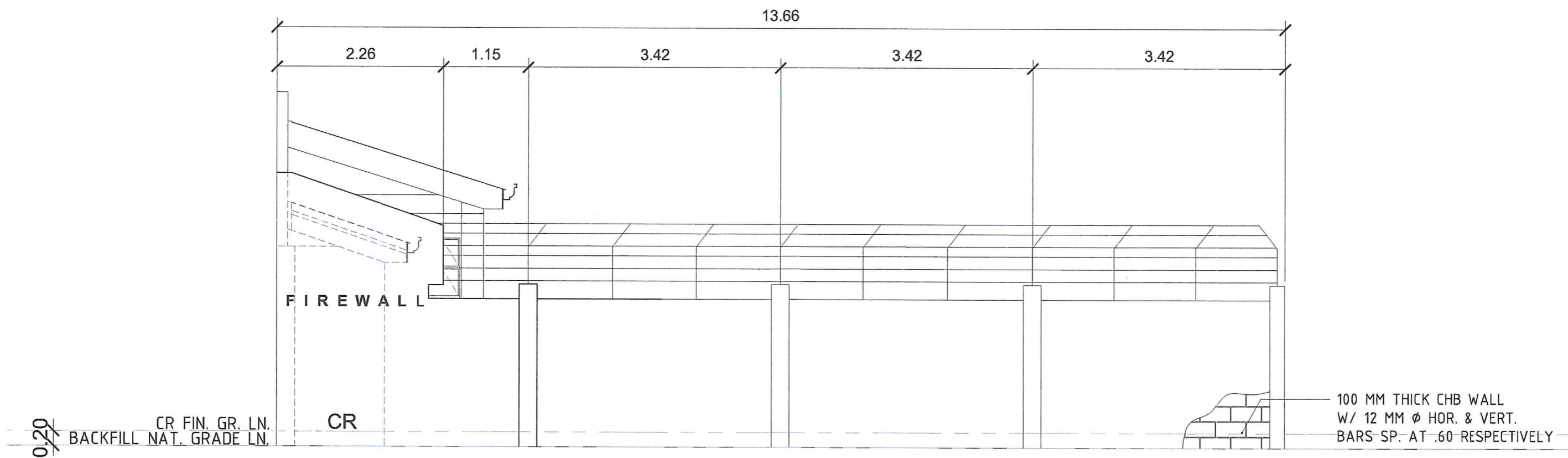
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17




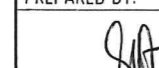

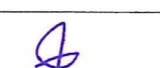
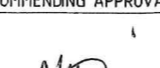

⊖ LEFTSIDE ELEVATION (PERIMETER FENCE)

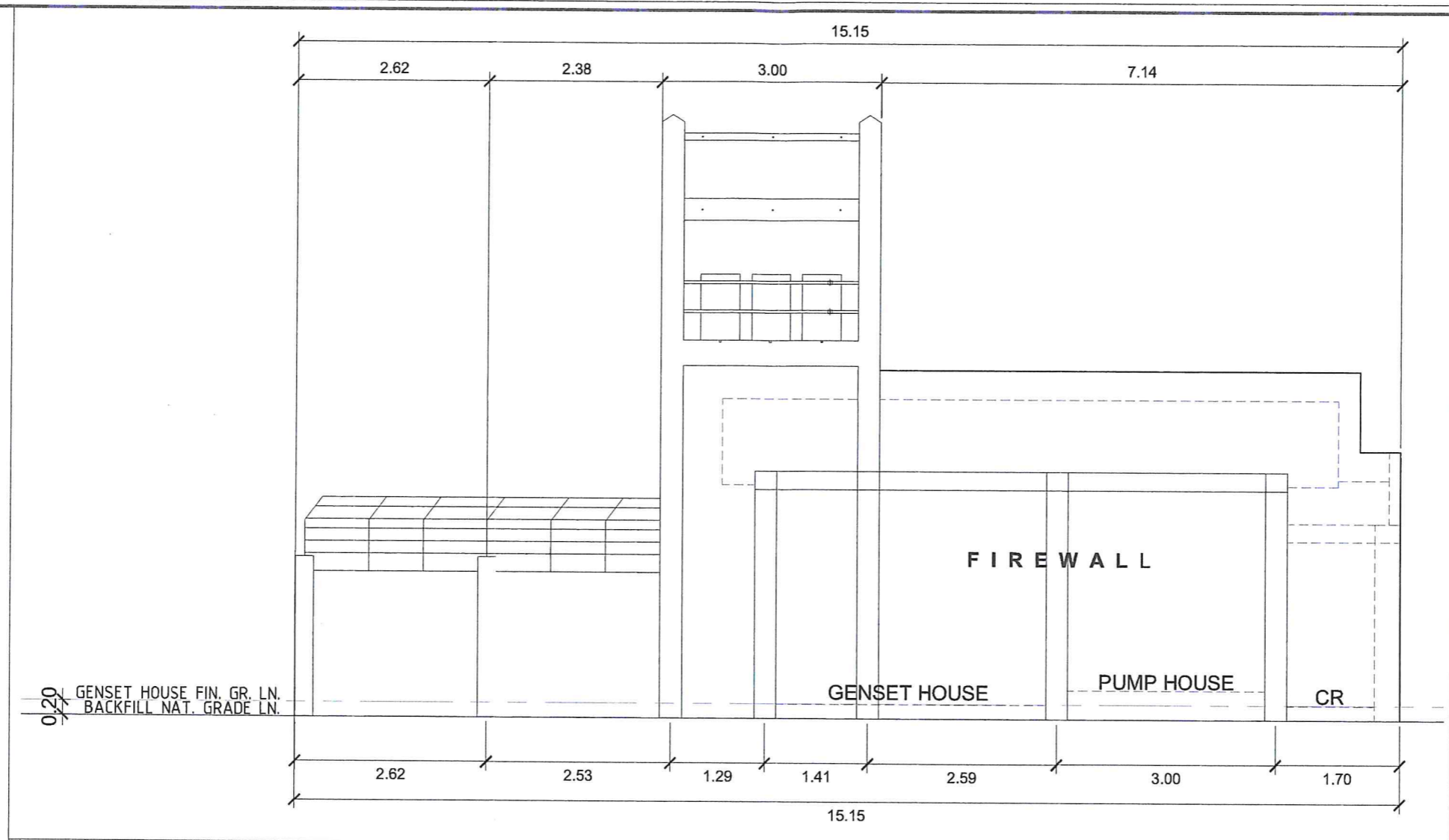
NOT TO SCALE



⊖ REAR ELEVATION (PERIMETER FENCE)

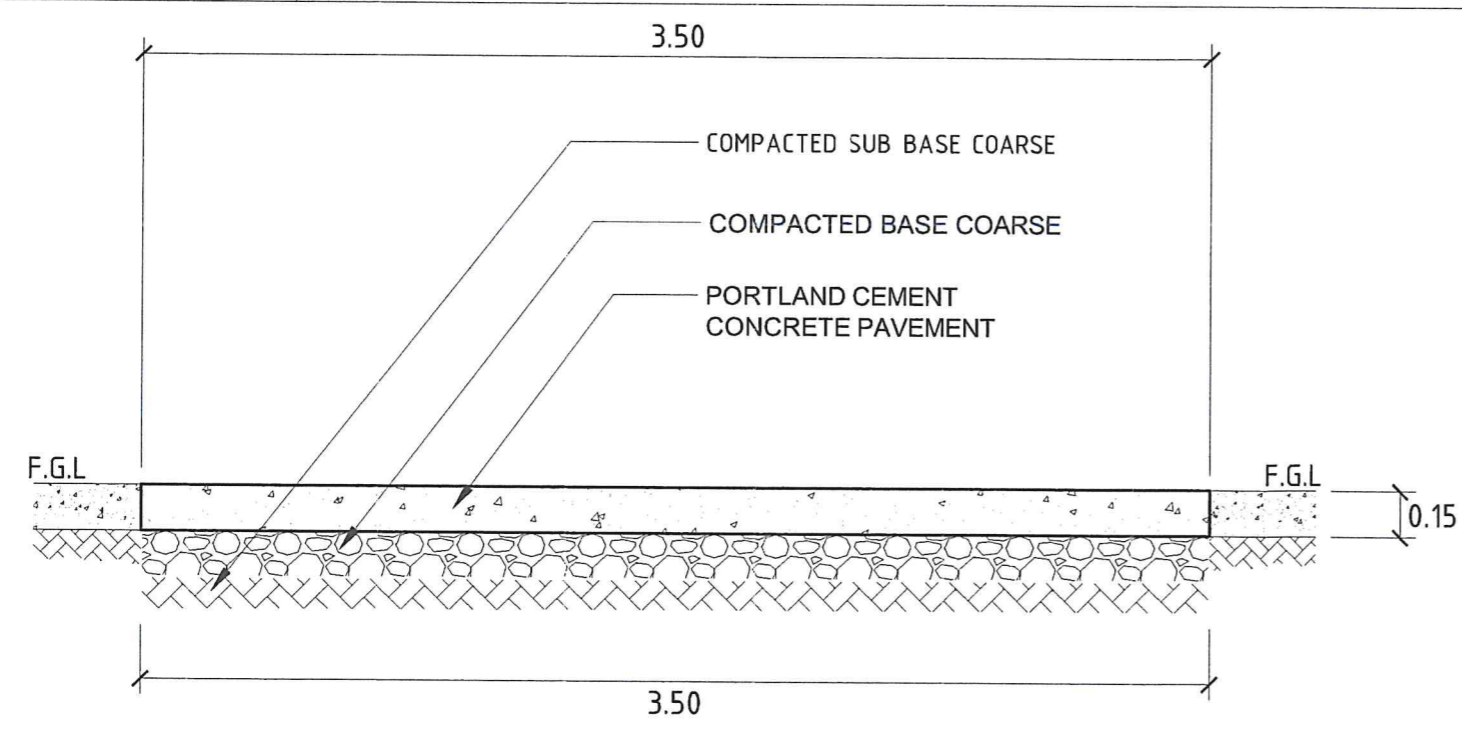
NOT TO SCALE

 <p>Republic of the Philippines METROPOLITAN NAGA WATER DISTRICT 40 J. Miranda Avenue, Naga City</p>	PREPARED BY:  SHARMAINE E. BRACIA <small>OIC - Division Man. PRCO</small>	CHECKED BY:  SONJUN O. MILLARES <small>OIC - Dist. Man. EFD</small>	RECOMMENDING APPROVAL:  ARTURO MARCO <small>OIC - Dist. Man. PD</small>	APPROVED:  ROQUE S. FRANCISCO <small>ICM - DTC</small>	APPROVED:  FLORENCIO T. MONGOSO JR. <small>General Manager A</small>	PROJECT TITLE/LOCATION: PROPOSED ALMEDA II PUMPING STATION <small>Barangay Concepcion, Naga City</small>	SHEET CONTENTS: Floor Plan (Pump House) Elevations	SHEET NO.: 11 / 17
	<small> Date: 05/15/2024 Scale: As Shown Project No.: 2023-01-001 </small>							



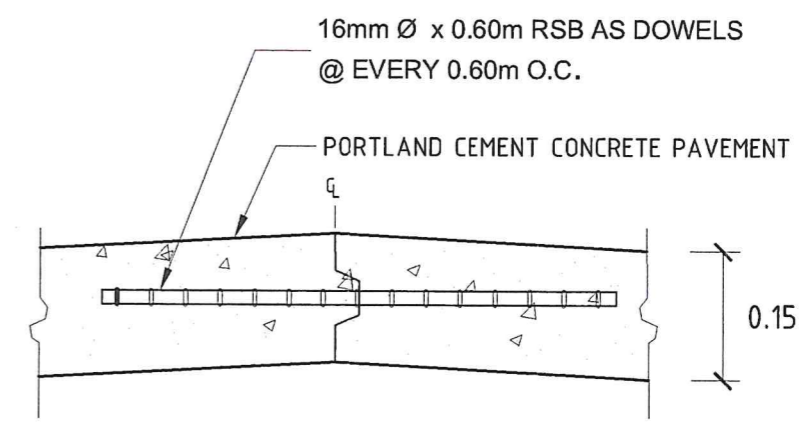
⊖ RIGHTSIDE ELEVATION (PERIMETER FENCE)

NOT TO SCALE





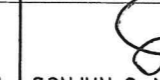
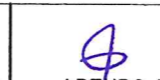
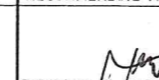
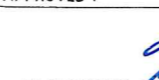
⊖ DETAIL OF PCCP

NOT TO SCALE



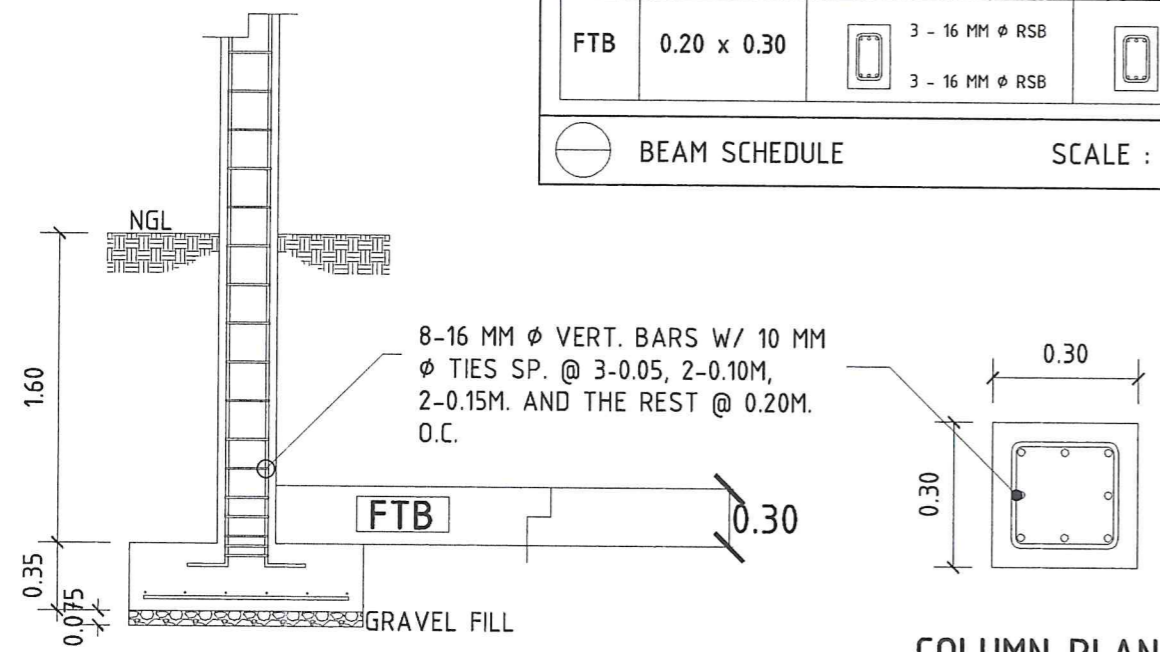
⊖ PCCP SPOT DETAIL

NOT TO SCALE

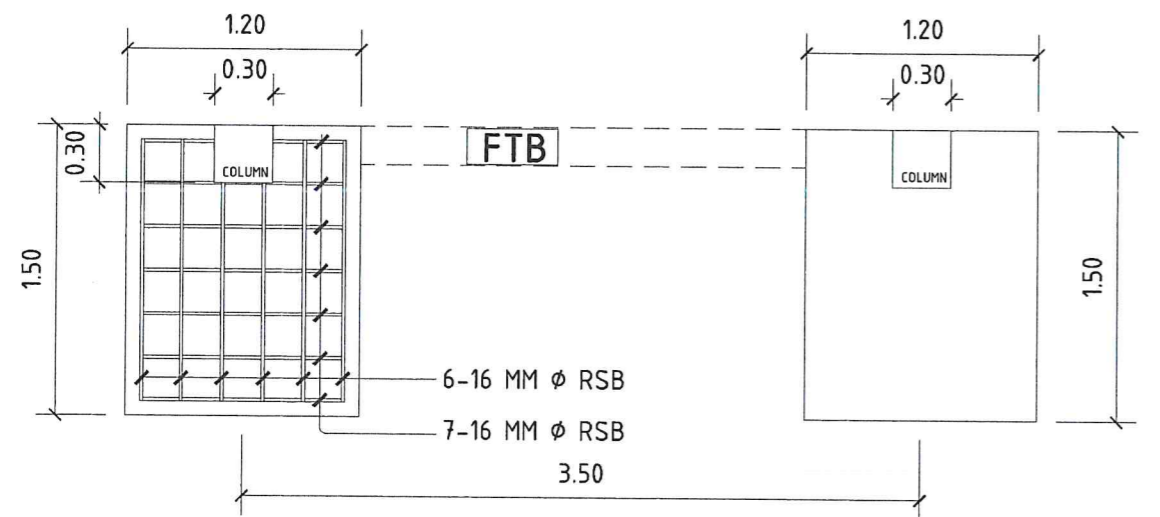
 <p>Republic of the Philippines METROPOLITAN NAGA WATER DISTRICT 40 J. Miranda Avenue, Naga City</p>	PREPARED BY:  SHARMAINE E. BRACIA	CHECKED BY:  SONJUN O. MILLARES	RECOMMENDING APPROVAL:  ARTURO MARCO	APPROVED:  ROQUE S. FRANCISCO	 FLORENCIO T. MONGOSO JR.	PROJECT TITLE/LOCATION: PROPOSED ALMEDA II PUMPING STATION	SHEET CONTENTS: Floor Plan (Pump House) Elevations	SHEET NO.: 12 / 17
--	--	--	---	--	---	---	--	-----------------------

SIZE	REINFORCEMENTS	
	AT SUPPORT	AT MIDSPAN
CB 1 0.25 x 0.30	6 - 16 MM ϕ RSB 2 - 16 MM ϕ RSB	6 - 16 MM ϕ RSB 2 - 16 MM ϕ RSB
RB 1 0.25 x 0.30	4 - 16 MM ϕ RSB 2 - 12 MM ϕ RSB 2 - 16 MM ϕ RSB	2 - 16 MM ϕ RSB 2 - 12 MM ϕ RSB 5 - 16 MM ϕ RSB
RB 2 0.25 x 0.30	4 - 16 MM ϕ RSB 2 - 16 MM ϕ RSB	2 - 16 MM ϕ RSB 6 - 16 MM ϕ RSB
FTB 0.20 x 0.30	3 - 16 MM ϕ RSB 3 - 16 MM ϕ RSB	3 - 16 MM ϕ RSB 3 - 16 MM ϕ RSB

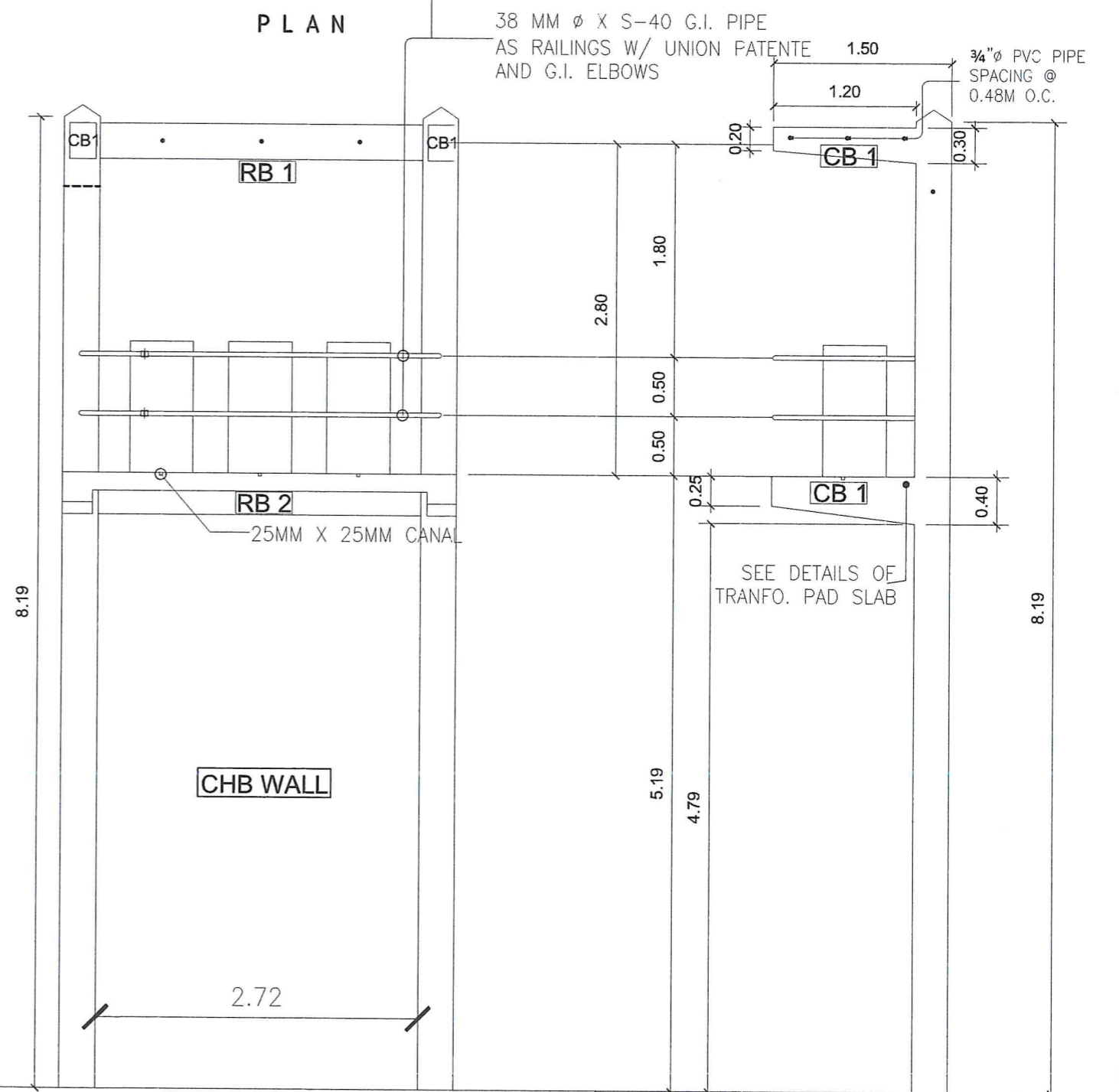
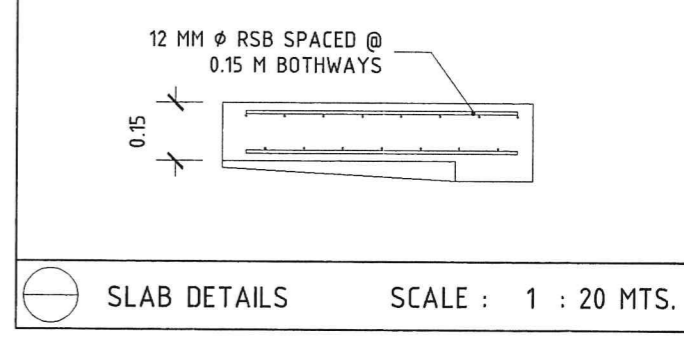
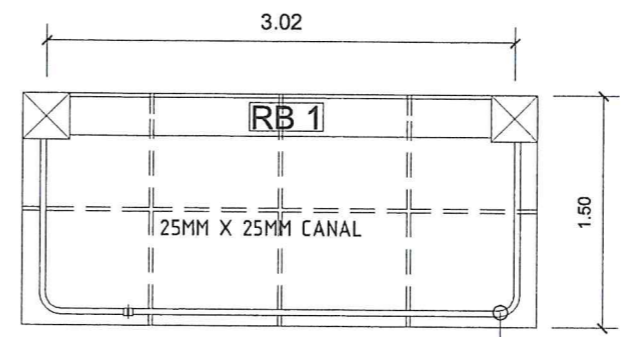
BEAM SCHEDULE SCALE : 1 : 20 MTS.



COLUMN FOOTING SECTION



COLUMN FOOTING PLAN





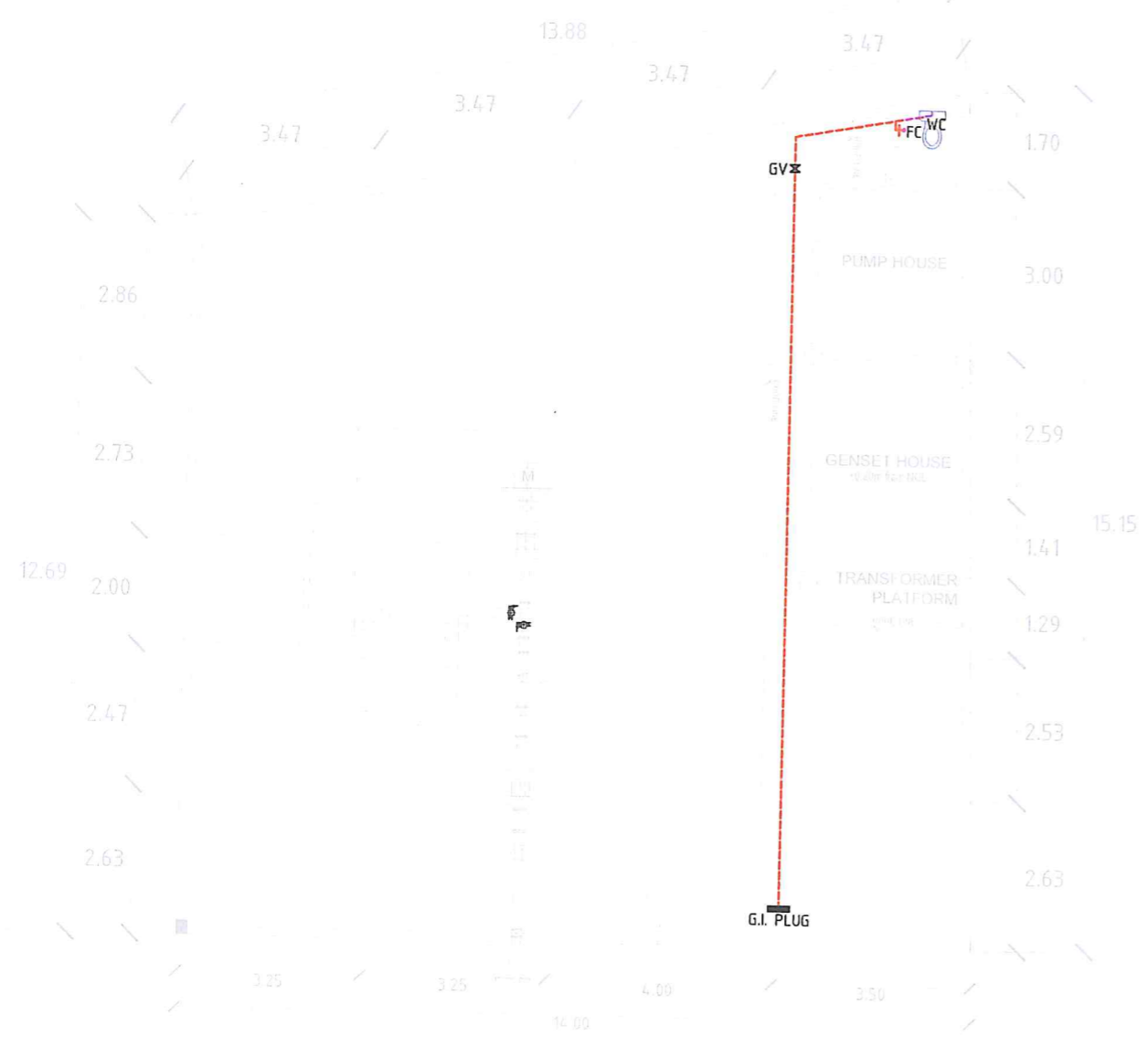
FRONT ELEVATION




SIDE ELEVATION

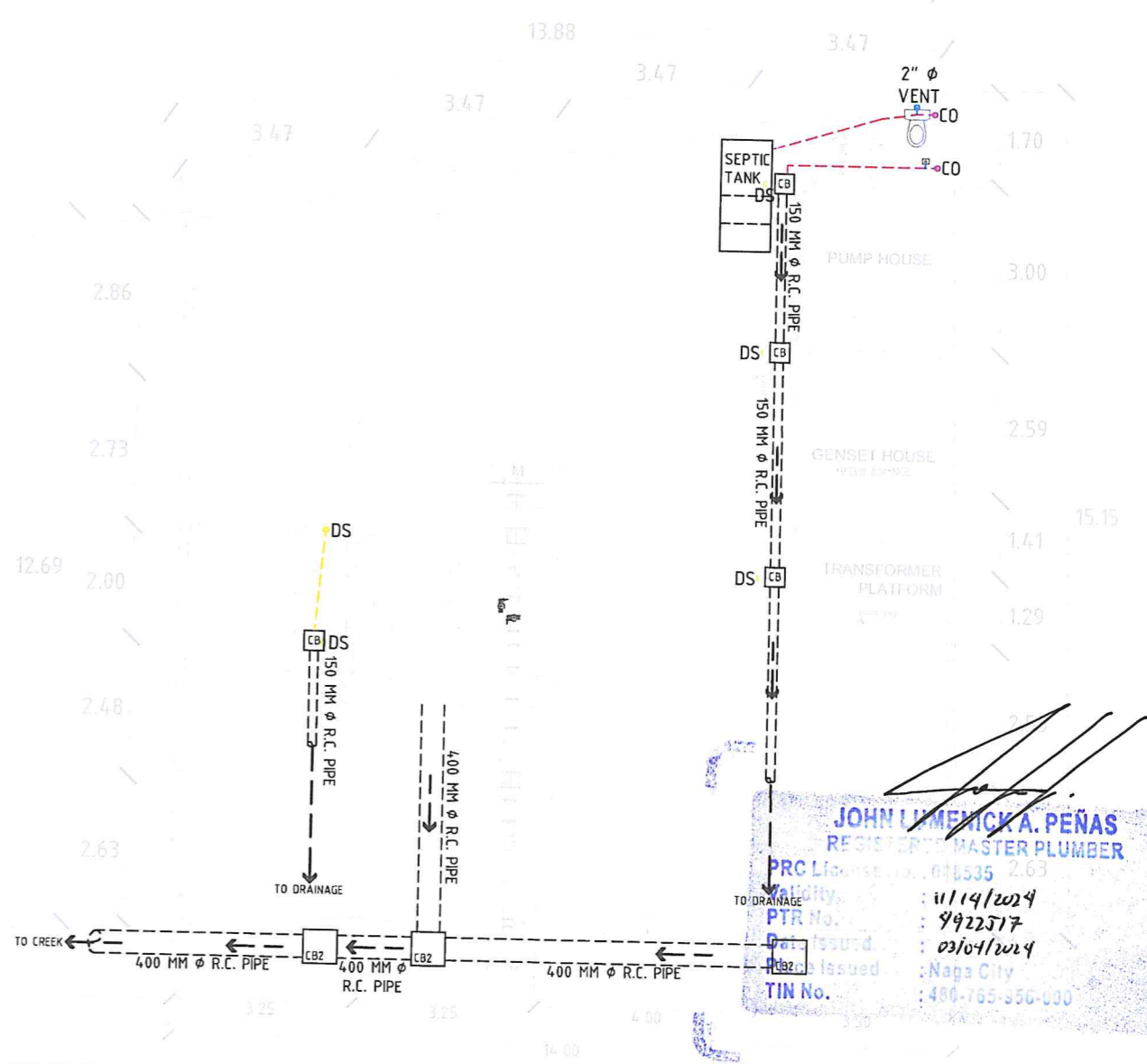
TRANSFORMER FOUNDATION DETAILS SCALE : 1 : 40 MTS.

TRANSFORMER PAD ELEVATION SCALE : 1 : 50 MTS.

LEGEND:	
	12mm.Ø,S-40 G.I. PIPE
FC	FAUCET
WCS	WATER CLOSET SUPPLY
	GATE VALVE , GV



LEGEND:	
	100mm Ø PVC PIPE
	75mm Ø PVC PIPE
	50mm Ø PVC PIPE
FD	FLOOR DRAIN
WC	WATER CLOSET
DS	DOWNSPOUT
CO	CLEAN OUT







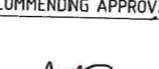

JOHN LAMENCK A. PEÑAS
 REGISTERED MASTER PLUMBER
 PRC License No. 010535
 Validity: 11/19/2024
 PTR No.: 9922517
 Issued: 03/09/2024
 Issued: Naga City
 TIN No.: 480-765-550-000

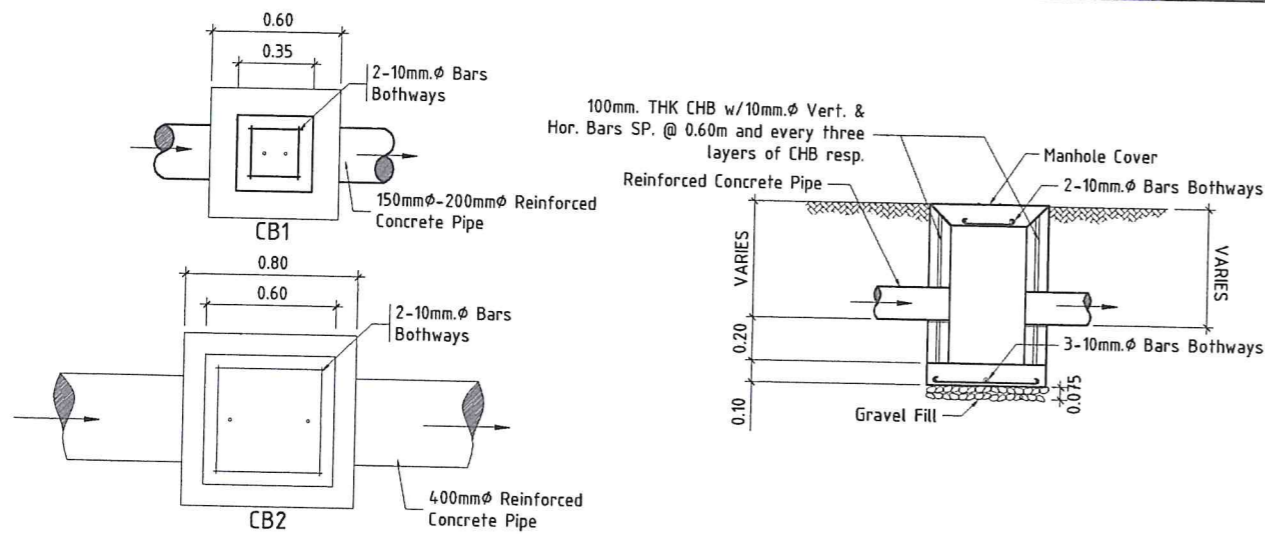
 CLEAN WATER LAYOUT

SCALE 1 : 125 MTS.

 SANITARY LAYOUT

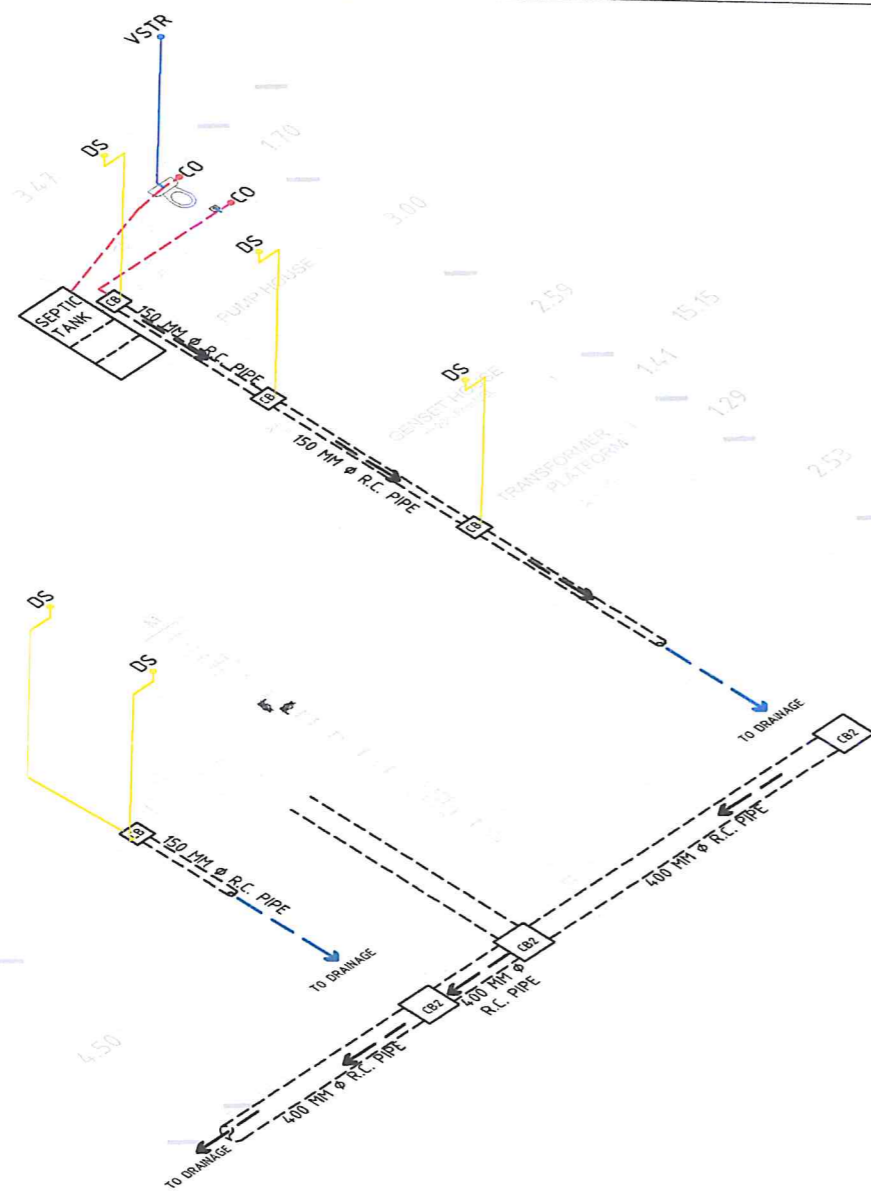
SCALE 1 : 125 MTS.

 Republic of the Philippines METROPOLITAN NAGA WATER DISTRICT 40 J. Miranda Avenue, Naga City	PREPARED BY:  SHARMAINE E. BRACIA OIC - Division Mgr., PDCD	CHECKED BY:  SONJUN O. MILLARES OIC - Dept. Mgr., EED	RECOMMENDING APPROVAL:  ARTURO MARCO OIC - Dept. Mgr., PD	APPROVED:  ROQUE S. FRANCISCO AGM, O&TS	APPROVED:  FLORENCIO T. MONGOSO JR. General Manager	PROJECT TITLE/LOCATION: PROPOSED ALMEDA II PUMPING STATION	SHEET CONTENTS : Clean Water & Sanitary Layout	SHEET NO.: 14 / 17
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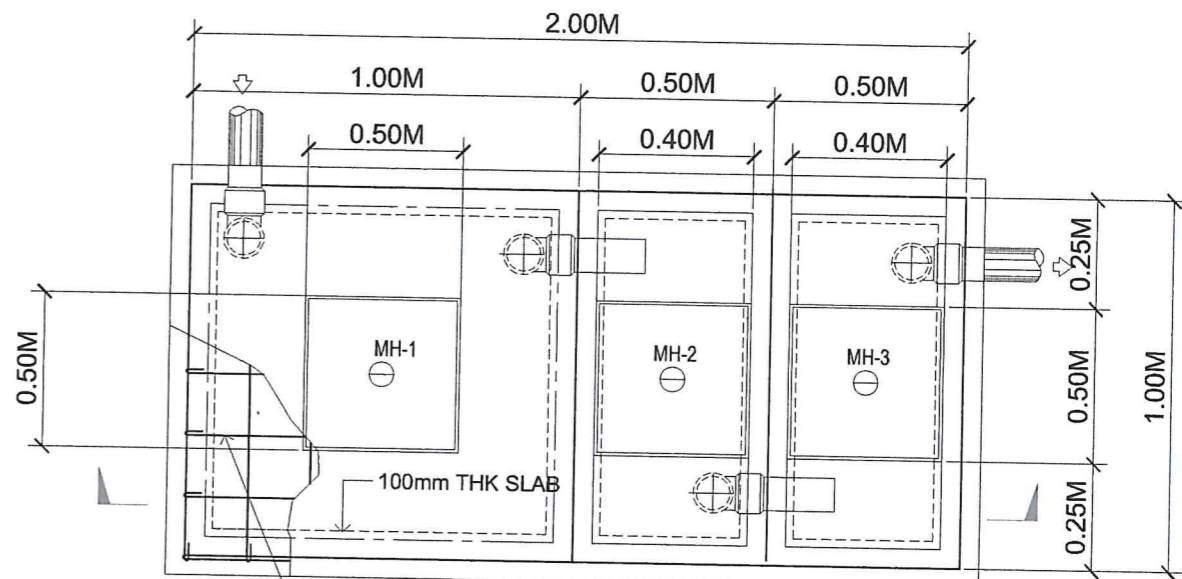
CATCH BASIN DETAIL

NOT TO SCALE



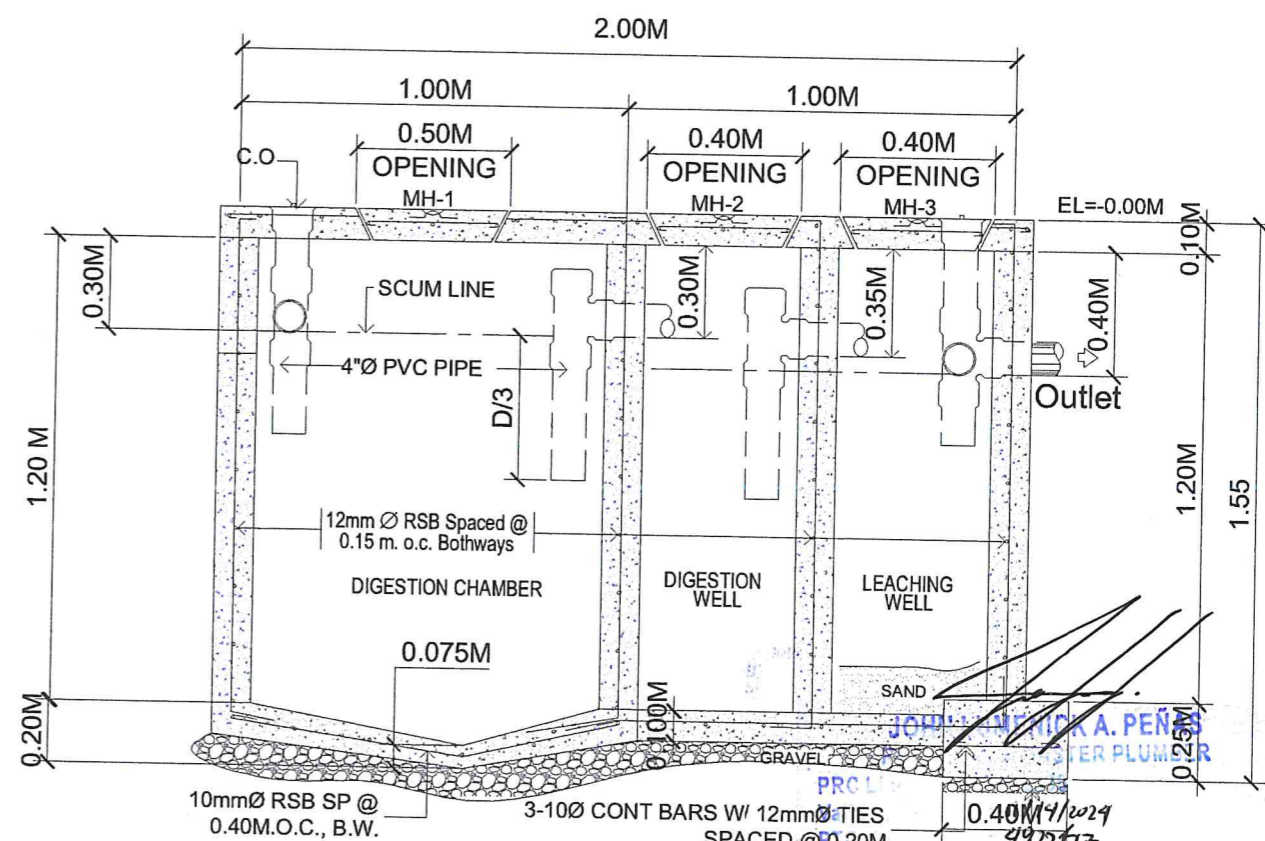
ISOMETRIC VIEW

NOT TO SCALE



10mmØ TOP & BOTTOM BARS
SP. @ 0.20M.O.C. BOTHWAYS (ALTERNATE)

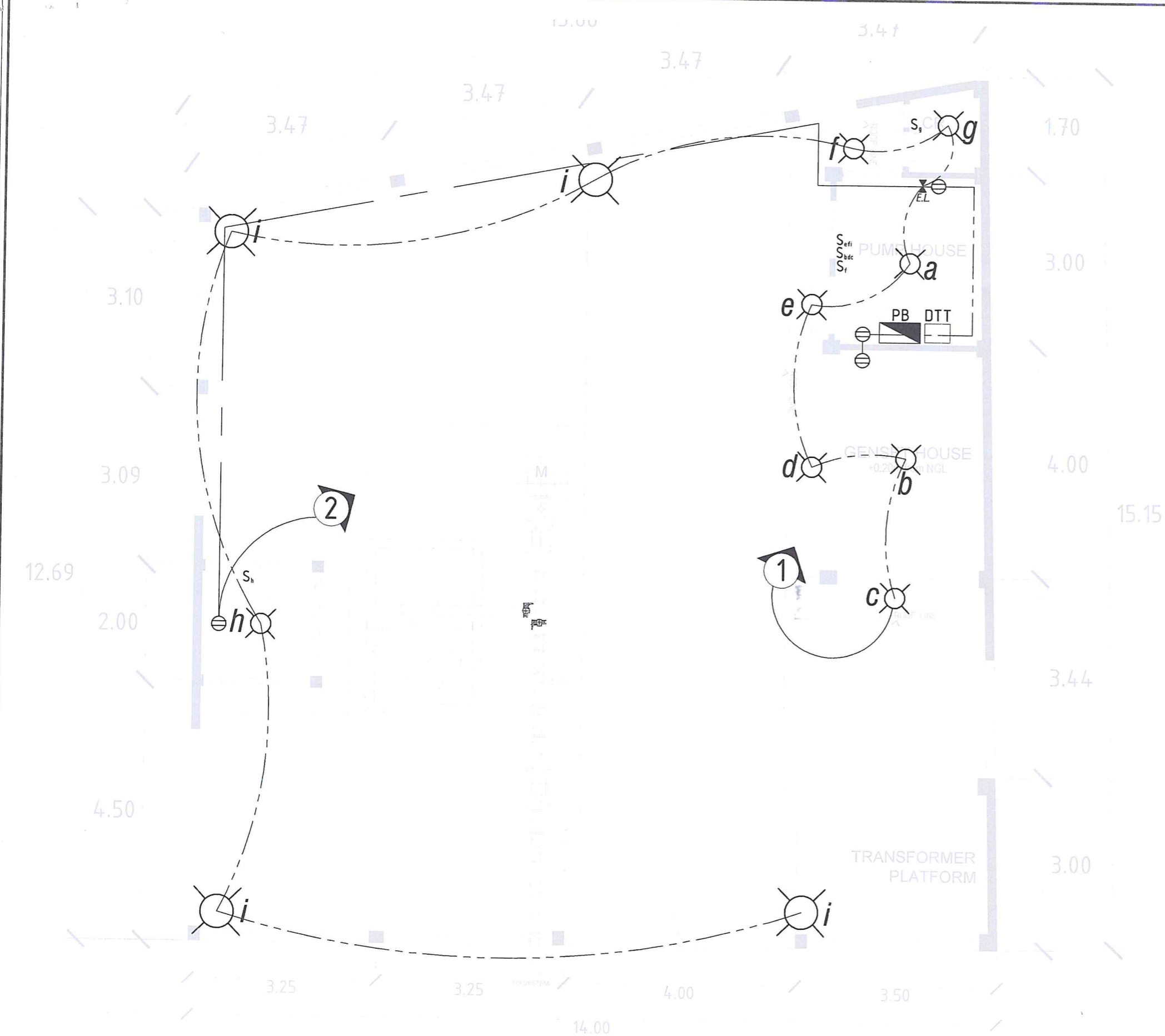
PLAN



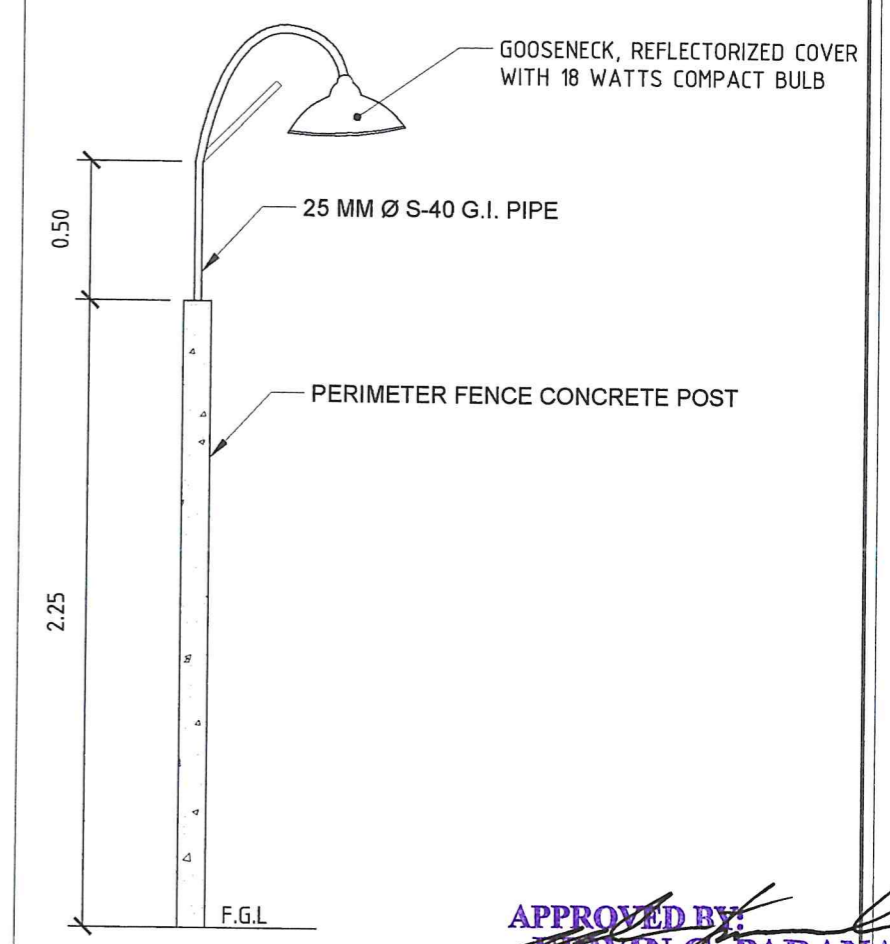
SECTION

SEPTIC TANK DETAIL

SCALE 1 : 100 MTS.



- LEGEND**
- LIGHTING OUTLET
 - CONVENIENCE OUTLET
 - CIRCUIT HOMERUN
 - PANEL BOARD
 - SERVICE ENTRANCE
 - S_1 ONE GANG SWITCH
 - S_2 TWO GANG SWITCH
 - S_3 THREE GANG SWITCH
 - DTT DRY TYPE TRANSFORMER
 - EMERGENCY LIGHT
 - KILOWATT-HOUR METER
 - CIRCUIT BREAKER
 - GROUND



APPROVED BY:
EDWIN G. PARANAL
 PROFESSIONAL ELECTRICAL ENGINEER
 TIN NO.: 146 711116
 PTR NO.: 4657481 PRC NO.: 2809
 DATE: 07/02/24 PLACE: NAGA CITY

ELECTRICAL LIGHTING AND POWER LAYOUT

SCALE 1 : 75 MTS.

DETAIL OF PERIMETER LIGHTS NTS

 Republic of the Philippines METROPOLITAN NAGA WATER DISTRICT 40 J. Miranda Avenue, Naga City	PREPARED BY: SHARMAINE E. BRACIA <small>OIC - Division Mgr., PDCD</small>	CHECKED BY: SONJUN O. MILLARES <small>OIC - Dept. Mar., EED</small>	RECOMMENDING APPROVAL: ARTURO MARCO <small>OIC - Dept. Mgr. PD</small>	APPROVED: FLORENCIO T. MONGOSO JR. <small>Chief Engineer</small>	PROJECT TITLE/LOCATION: PROPOSED ALMEDA II PUMPING STATION	SHEET CONTENTS: Electrical Lighting and Power Layout Detail of Perimeter Lights	SHEET NO.: 16 / 17
						SHEET NO.: 17	

SCHEDULE OF LOADS

CIRCUIT NO.	LOAD DESCRIPTION	NO. OF			SWITCHES			VOLT	VA	AMP	CIRCUIT BREAKER RATINGS	SIZE OF WIRE	SIZE OF CONDUIT
		L.O.	C.O.	SPO	S1	S2	S3						
1	LIGHTING LOADS (PERIMETER LIGHTS)	4						230	400	1.74	15AT, 2P, 50AF (AFCI)	2C - 2.0 mm ² THHN COPPER WIRE 1C - 2.0 mm ² THHN COPPER WIRE	20 mm Ø uPVC PIPE
2	LIGHTING LOADS + E. LIGHT	9			3		2	230	900	3.91	15AT, 2P, 50AF (AFCI)	2C - 2.0 mm ² THHN COPPER WIRE 1C - 2.0 mm ² THHN COPPER WIRE	20 mm Ø uPVC PIPE
3	CONVENIENCE OUTLET		4					230	720	3.13	20AT, 2P, 50AF (GFCI)	2C - 2.0 mm ² THHN COPPER WIRE 1C - 2.0 mm ² THHN COPPER WIRE	20 mm Ø uPVC PIPE
4	SPARE			1				230	1,000	4.35	20AT, 2P, 50AF (GFCI)	2C - 3.5 mm ² THHN COPPER WIRE 1C - 3.5 mm ² THHN COPPER WIRE	20 mm Ø uPVC PIPE
TOTAL		13	4	1	3		2	230	3,020	13.13	50AT, 2P, 50AF	2C - 8.0 mm ² THHN COPPER WIRE 1C - 5.5 mm ² THHN COPPER WIRE	25 mm Ø uPVC PIPE

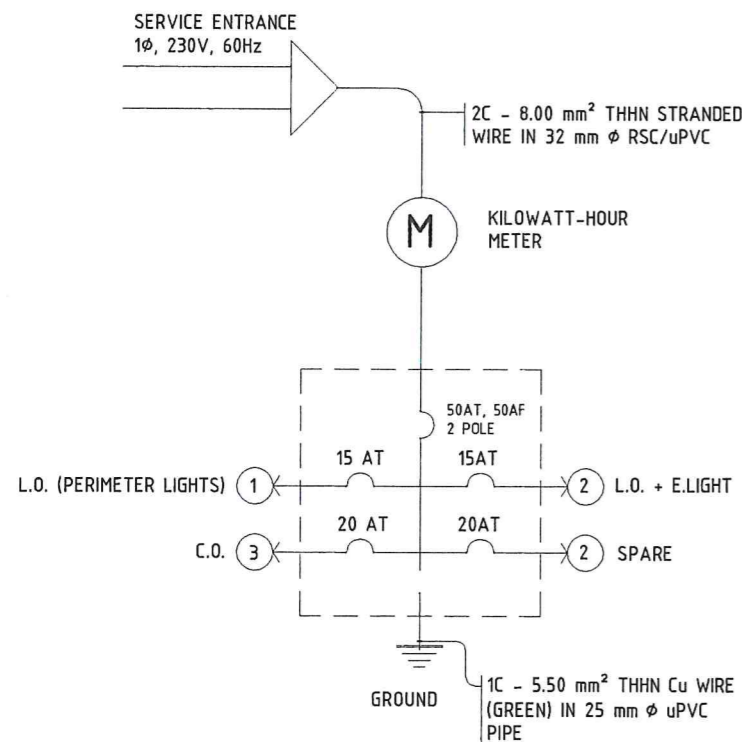
COMPUTATIONS:

$$I_T = \frac{3,020 \text{ V.A.} \times 100\% \text{ D.F.}}{230 \text{ V}}$$

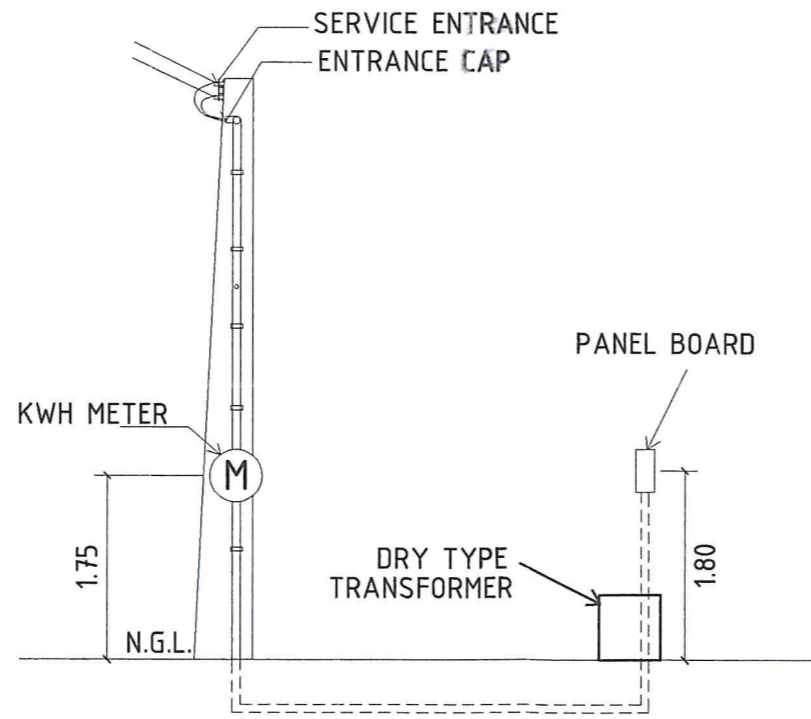
$$I_T = 13.13 \text{ AMPS.}$$

RECOMMENDATIONS:

USE 50AT/50AF, 2P, 230V, 60Hz CIRCUIT BREAKER FOR MAIN PROTECTION AND 2C - 8.00mm² THHN Cu WIRE + 1C - 5.50mm² THHN Cu WIRE IN 25mm Ø uPVC PIPE.



⊕ RISER DIAGRAM NOT TO SCALE



⊕ SERVICE ENTRANCE DETAIL NOT TO SCALE

GENERAL NOTES AND SPECIFICATIONS:

- ALL WORKS HEREIN SHALL CONFORM WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE LABOR AND SAFETY CODE AND ALL THE REQUIREMENTS OF LOCAL UTILITY COMPANY.
- POWER SUPPLY TO BE INSTALLED SHALL BE SINGLE PHASE, TWO-WIRES, 230 VOLTS, 60 Hz.
- MINIMUM SIZE OF WIRE TO BE USED WHEN NOT INDICATED SHALL BE 2.0 MM THHN FOR SWITCH LEGS AND 3.5 MM THHN FOR ALL CIRCUIT RUNS.
- ALL SWITCHES SHALL BE INSTALLED 1.50M AND ALL OUTLETS AT 0.30M FROM FINISHED FLOOR LEVEL AND POWER PANEL. SAFETY SWITCH SHALL BE 1.80M, KILOWATT HOUR METERS SHALL BE 1.75 FROM FLOOR LEVEL.

APPROVED BY:
WINN G. PARANAL
 PROFESSIONAL ELECTRICAL ENGINEER
 TIN NO.: 146 711116
 PTR NO.: 465749 PRC NO.: 2809
 DATE: 5/22/24 PLACE: NAGA CITY