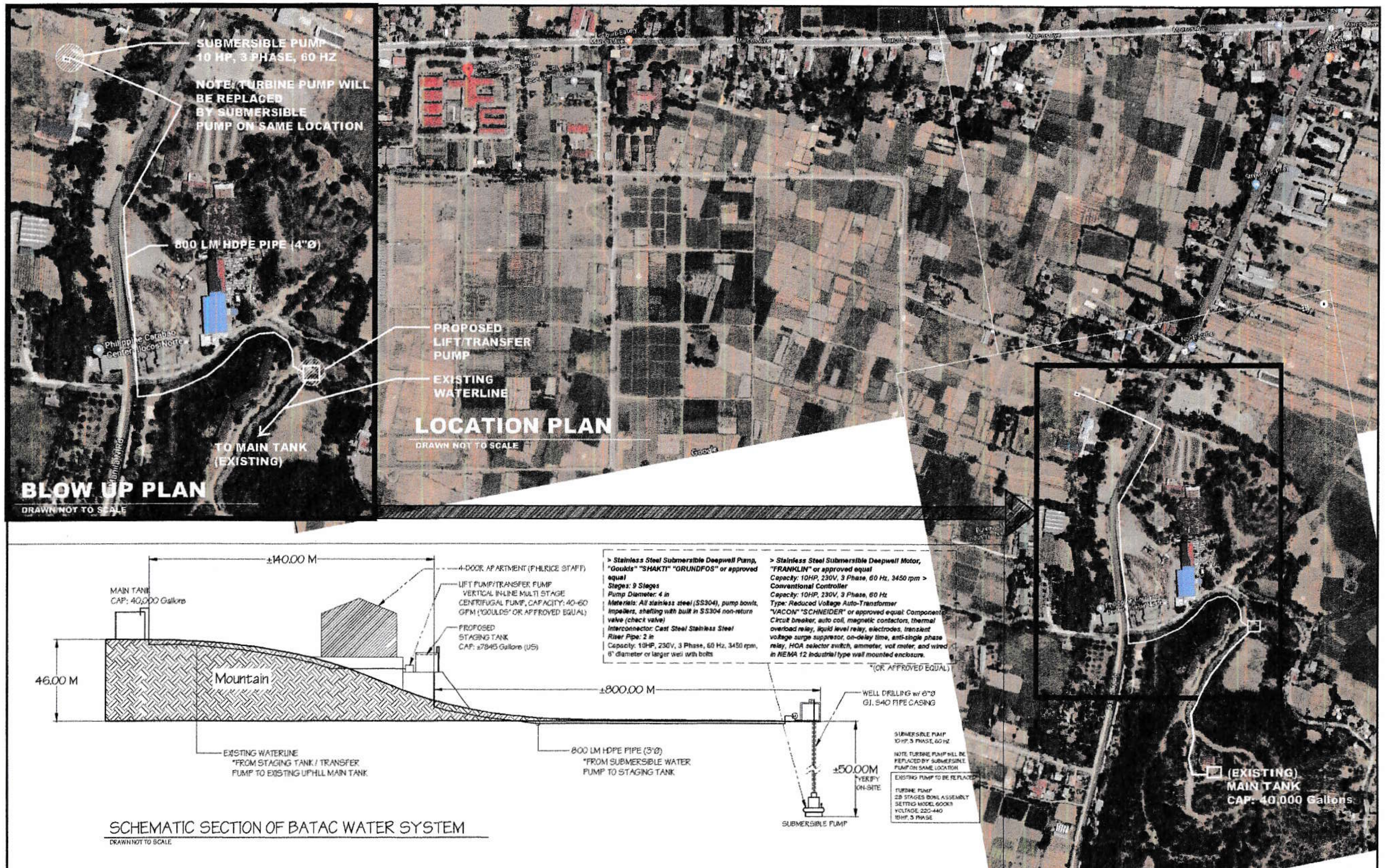
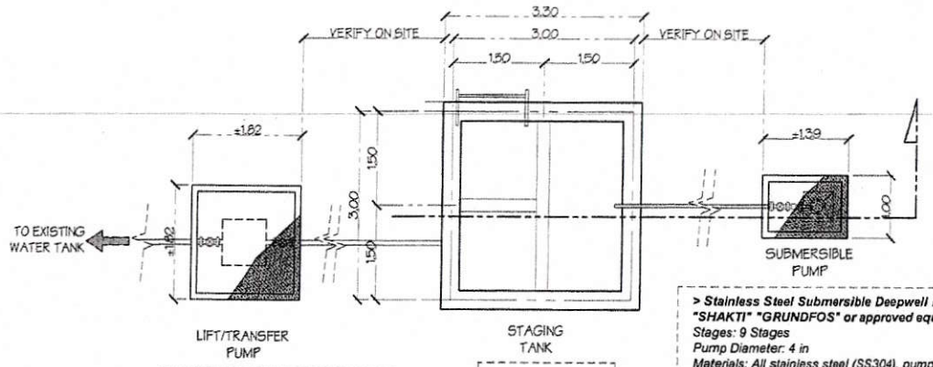


PHILRICE PHILIPPINE RICE RESEARCH INSTITUTE CENTRAL EXPERIMENT STATION MALIGAYA, MUÑOZ CITY, NUEVA ECIJA	R.A. 9266 - Art. 3, Section 20 Drawings and Specifications duly signed, stamped or sealed, as instruments of service are the intellectual properties and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person, without the consent of the architect or author of said documents, to duplicate or to make copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole.	PROJECT: REHABILITATION OF WATER SYSTEM PHILRICE, PEGY GIBENG SUB, BATAC, ILOCOS NORTE	PRODUCED BY: PHYSICAL PLANT DIVISION INFRASTRUCTURE UNIT PHILRICE SCIENCE CITY OF MUÑOZ, NUEVA ECIJA	DESIGN:	DESIGN:	CHECKED:	END USER:	RECOMMENDING APPROVAL:	APPROVED:	SHEET NUMBER: P1 1 / 7



SPECIFICATIONS:
Vertical in-line multi stage
Centrifugal Pump,
Capacity: 40-60 GPM

("GOULDS" OR APPROVED EQUAL)

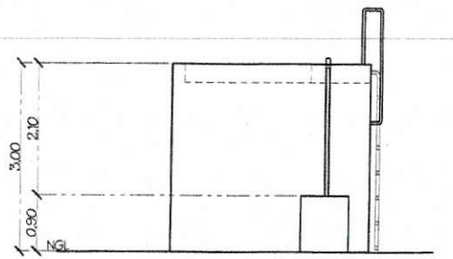
CAP: 42,000 Gallons

> Stainless Steel Submersible Deepwell Pump, "Goulds" "SHAKTI" "GRUNDFOS" or approved equal
Stages: 9 Stages
Pump Diameter: 4 in
Materials: All stainless steel (SS304), pump bowls, impellers, shafting with built in SS304 non-return valve (check valve)
Interconnector: Cast Steel Stainless Steel
Riser Pipe: 2 in
Capacity: 10HP, 230V, 3 Phase, 60 Hz, 3450 rpm, 6" diameter or larger well with bolts

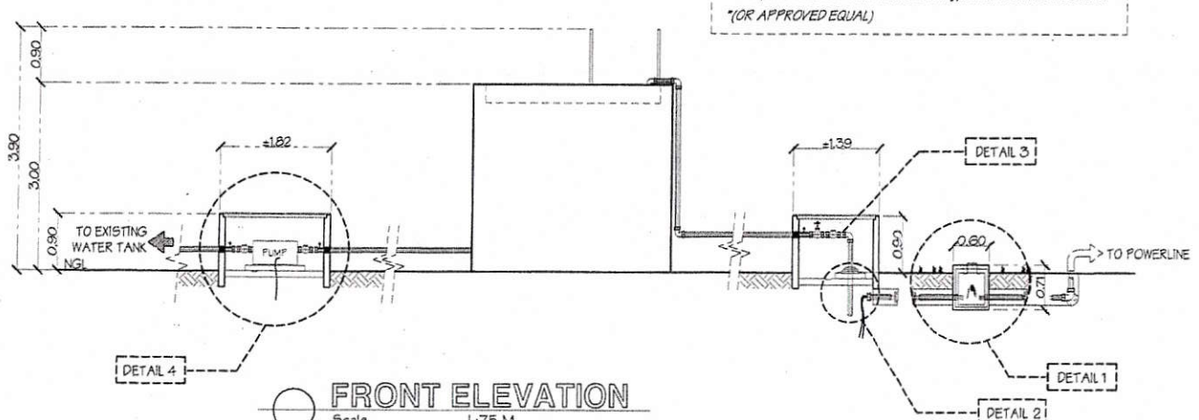
> Stainless Steel Submersible Deepwell Motor, "FRANKLIN" or approved equal
Capacity: 10HP, 230V, 3 Phase, 60 Hz, 3450 rpm ***> Conventional Controller***
Capacity: 10HP, 230V, 3 Phase, 60 Hz
Type: Reduced Voltage Auto-Transformer
"VACON" "SCHNEIDER" or approved equal: Components: Circuit breaker, auto coil, magnetic contactors, thermal overload relay, liquid level relay, electrodes, transient voltage surge suppresor, on-delay time, anti-single phase relay, HOA selector switch, ammeter, volt meter, and wired in NEMA 12 industrial type wall mounted enclosure.

**(OR APPROVED EQUAL)*

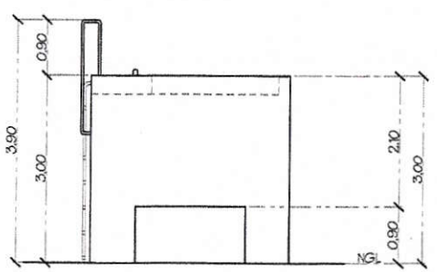
FLOOR PLAN
Scale 1:75 M



RIGHT SIDE ELEVATION
Scale 1:75 M



FRONT ELEVATION
Scale 1:75 M



LEFT SIDE ELEVATION
Scale 1:75 M

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CENTRAL EXPERIMENT STATION
MUÑOZ, NUEVA ECIJA

R.A. 9274 - Art. 2, Section 20

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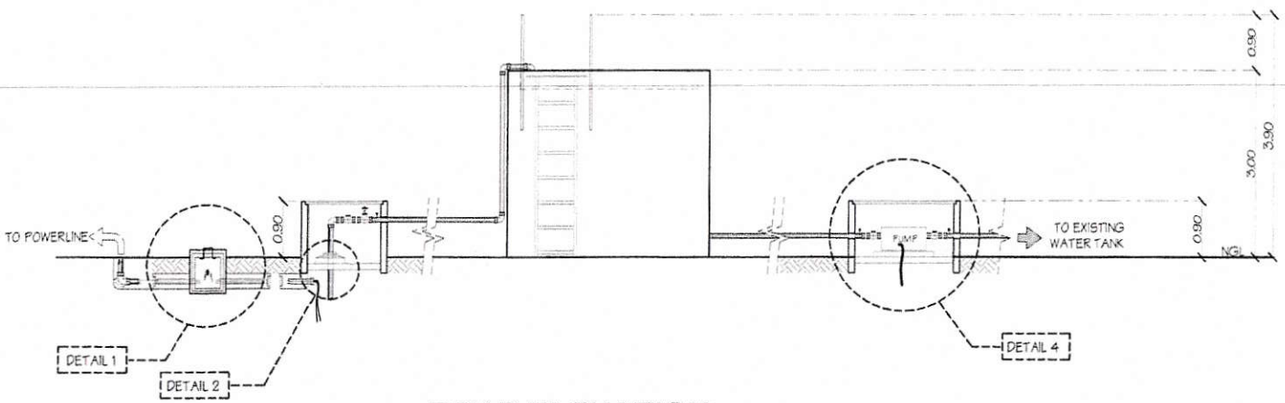
PROJECT TITLE: REHABILITATION OF WATER SYSTEM
PHILRICE, BRGY. GULING SUR, BATAC, ILOCOS NORTE

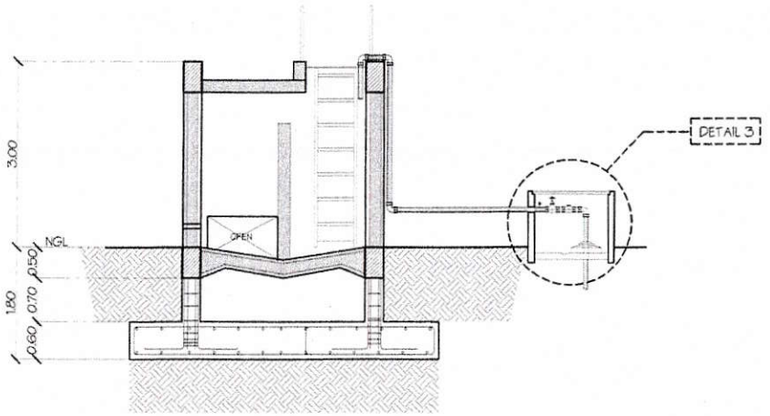
PRODUCED BY: PHYSICAL PLANT DIVISION, INFRASTRUCTURE UNIT (PHILRICE), SCIENCE CITY OF MUÑOZ, NUEVA ECIJA

DESIGN	NOTED	ENDUSER	RECOMMENDING APPROVAL	APPROVED
REYNALDO DC. ABAD, WATER PLUMBER	RENATO B. BAJIT, PPE-ABAD	REYNALDO C. CASTRO, BRANCH MANAGER, PHILRICE BATAC	ABNER T. MONTECALVO, OIC-FOR ADF, PHILRICE	JOHN C. DE LEON, EXECUTIVE DIRECTOR, PHILRICE

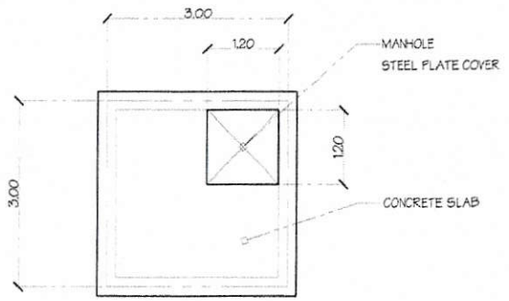
SHEET NUMBER: P2
2 7



REAR ELEVATION
SCALE 1:100 M



SECTION ELEVATION
Scale 1:100 M



CONCRETE SLAB COVER
Scale 1:100 M

R.A. 10574 - Ar. 3 Section 20

PROJECT TITLE

Drawings and Specifications duly signed, stamped or sealed, as instruments of service are the intellectual properties and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person, without the consent of the architect or author of said documents, to duplicate or to make copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole.

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CENTRAL EXPERIMENT STATION
MALIGAYA, MUÑOZ CITY, NUEVA ECIJA

REHABILITATION OF WATER SYSTEM
PHILRICE BATAC BUILDING SUBSTRUCTURE WORKS

PRODUCED BY
PHYSICAL PLANT DIVISION
INFRASTRUCTURE UNIT
PHILRICE
BATAC CITY, ILOCOS NORTE

DESIGN
REYNALDO DC. ABAD
MASTER PLUMBER

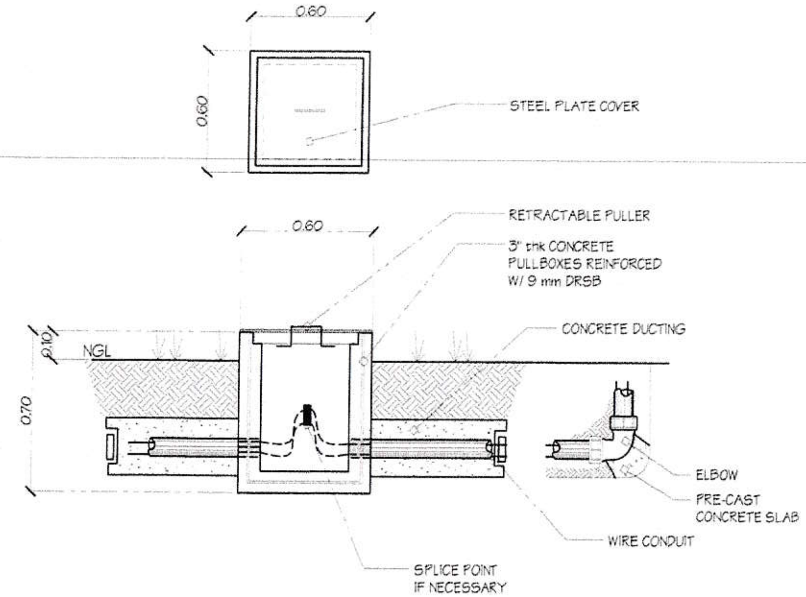
NOTED
RENATO B. BAJIT
PME-1040

ENDUSER
REYNALDO C. CASTRO
BRANCH MANAGER
PHILRICE BATAC

RECOMMENDING APPROVAL
ABNER T. MONTECALVO
OIC-FOR ASP.
PHILRICE

APPROVED
JOHN C. DE LEON
EXECUTIVE DIRECTOR
PHILRICE

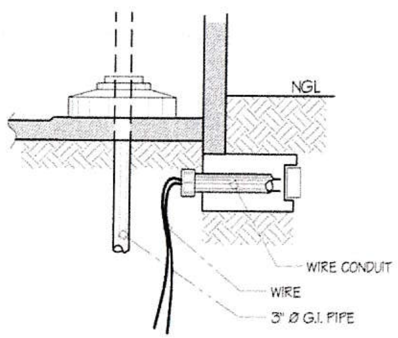
SHEET NUMBER
P3
3 7



DETAIL - 1

Concrete Handhole

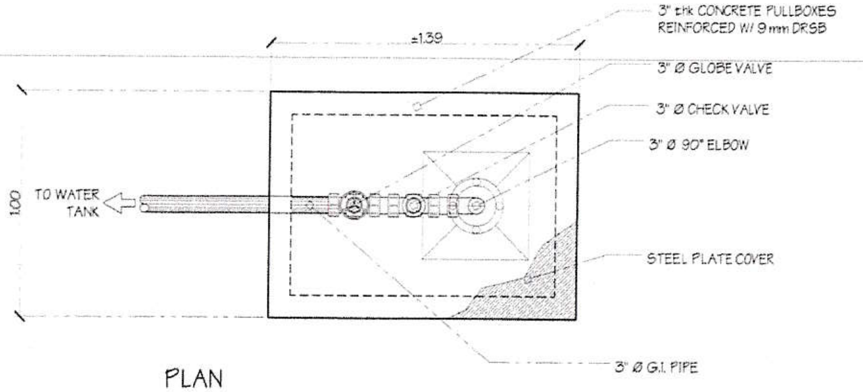
Scal 1:30 M



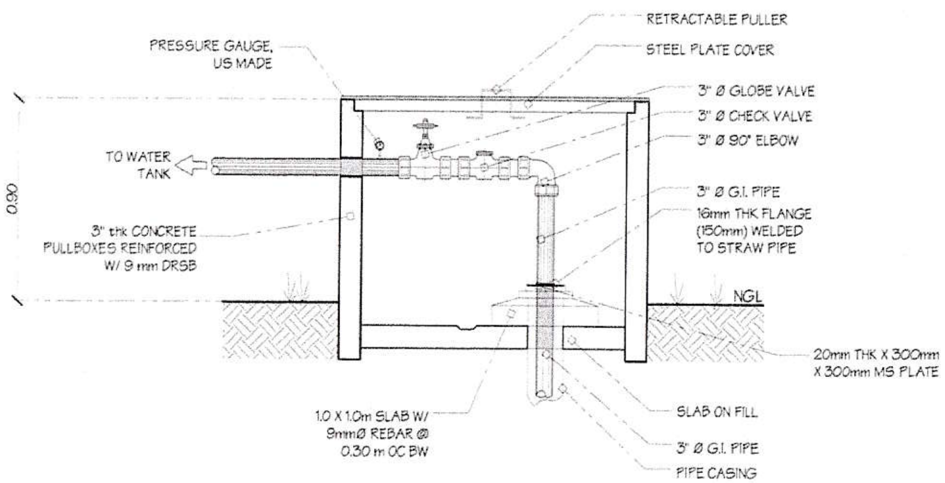
DETAIL - 2

Power Pump Connection Detail

SCALE 1:30 M



PLAN



SECTION

DETAIL - 3

Scal 1:30 M

PHILIPPINE RICE RESEARCH INSTITUTE
CENTRAL EXPERIMENT STATION
MALIGAYA, MUNOZ CITY, NUEVA ECIJA

R.A. 921414 - Art. 3, Section 20.

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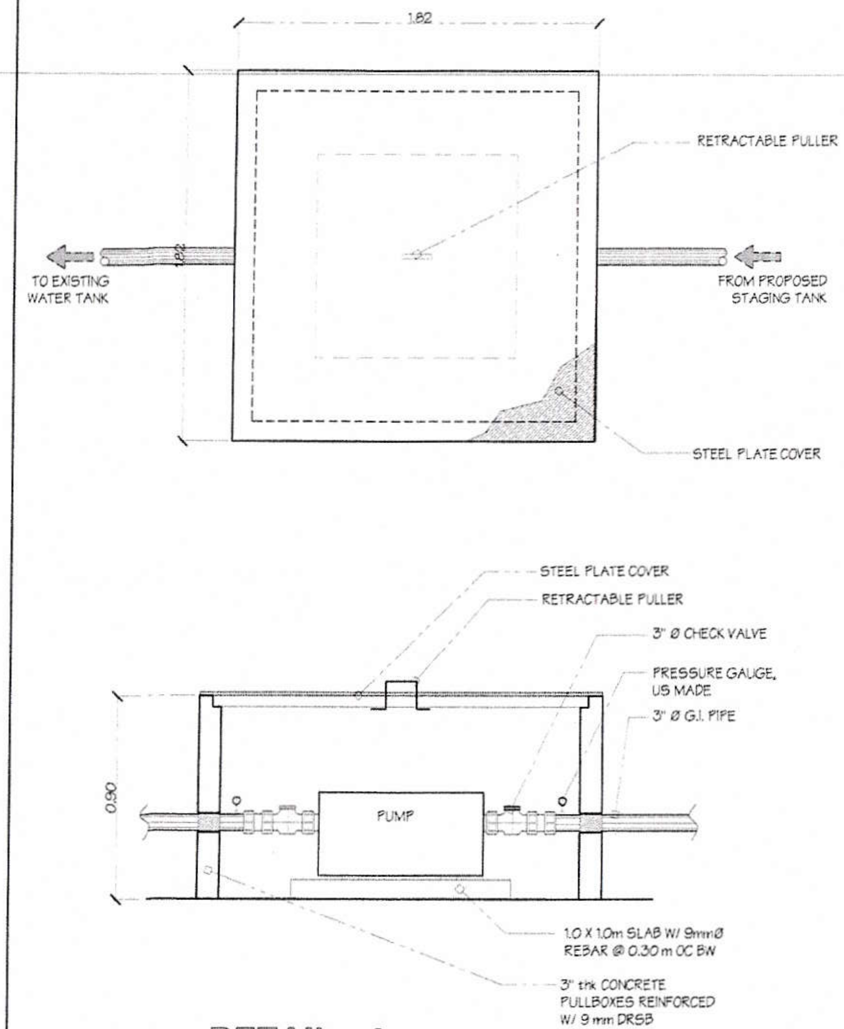
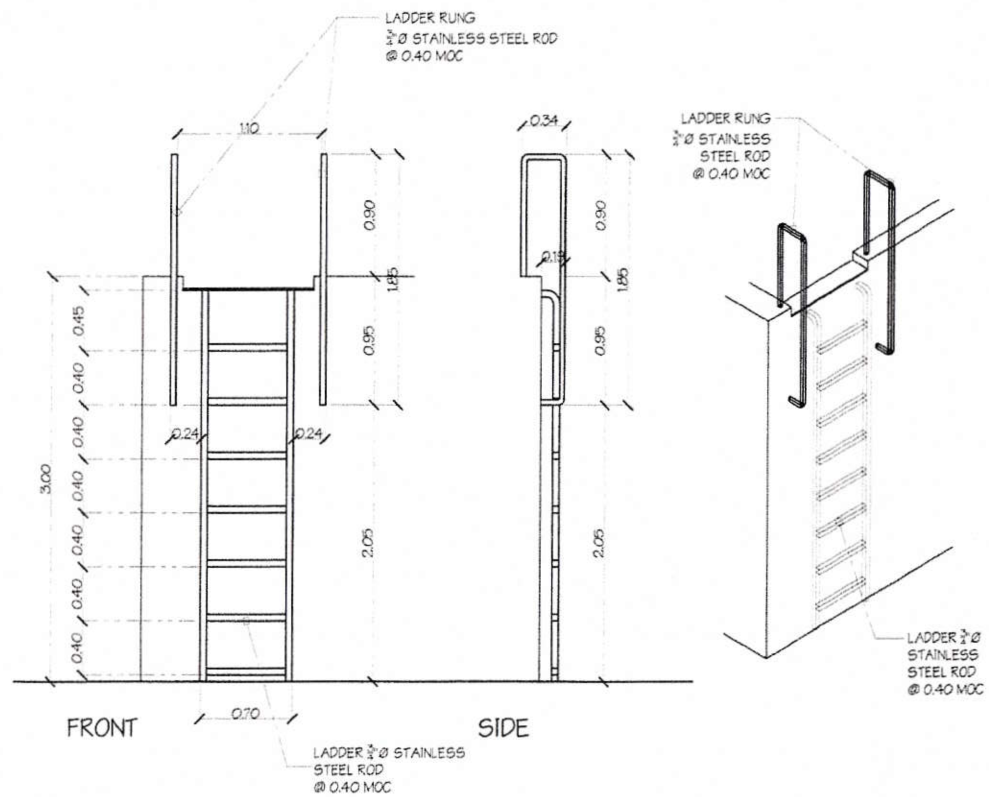
PROJECT TITLE:
REHABILITATION OF WATER SYSTEM
PHILRICE, BRGY. QUILING SUR, BATAC, ILOCOS NORTE

PRODUCED BY:
PHYSICAL PLANT DIVISION
INFRASTRUCTURE UNIT
PHILRICE
SCIENCE CITY OF MUÑOZ, NUEVA ECIJA

DESIGN	NOTED	ENDUSER	RECOMMENDING APPROVAL	APPROVED	SHEET NUMBER
REYNALDO DC. ABAD MASTER PLUMBER	RENATO B. BAJIT PPD HEAD	REYNALDO C. CASTRO BRANCH MANAGER PHILRICE BATAC	ABNER T. MONTECALVO DED FOR ASF PHILRICE	JOHN C. DE LEON EXECUTIVE DIRECTOR PHILRICE	P4 4 7

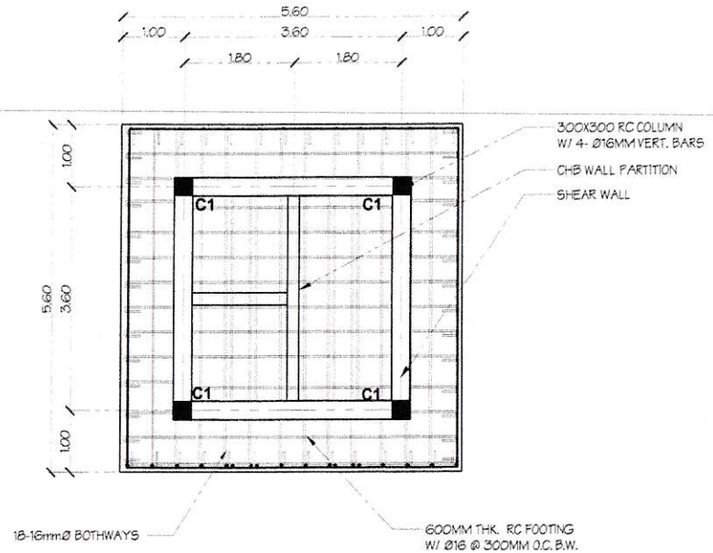


DETAIL - 4
Scal 1:30 M



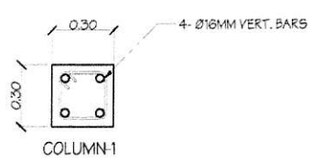
LADDER ELEVATION DETAIL
Scal NTS

PHILRICE PHILIPPINE RICE RESEARCH INSTITUTE CENTRAL EXPERIMENT STATION MALIGAYA, MUÑOZ CITY, NUEVA ECIJA	R.A. 9266 - Art. 3 Section 20 Drawings and Specifications duly signed, stamped or sealed, as instruments of service are the intellectual properties and documents of the architect, whether the object for which they are made is executed or not. It shall be unlawful for any person, without the consent of the architect or author of said documents, to duplicate or to make copies of said documents for use in the repetition of and for other projects or buildings, whether executed partly or in whole.	PROJECT TITLE: REHABILITATION OF WATER SYSTEM PHILRICE, BATAC, ILOCOS NORTE	PRODUCED BY: PHYSICAL PLANT DIVISION INFRASTRUCTURE UNIT PHILRICE SCIENCE CITY OF MUÑOZ, NUEVA ECIJA	DESIGN: REYNALDO DC. ABAD MASTER PLUMBER	NOTED: RENATO B. BAJIT	ENDUSER: REYNALDO C. CASTRO BRANCH MANAGER PHILRICE BATAC	RECOMMENDING APPROVAL: ABNER T. MONTECALVO DED FOR ASF PHILRICE	APPROVED: JOHN C. DE LEON EXECUTIVE DIRECTOR, PHILRICE	SHEET NUMBER: P5 5 7



FOUNDATION PLAN

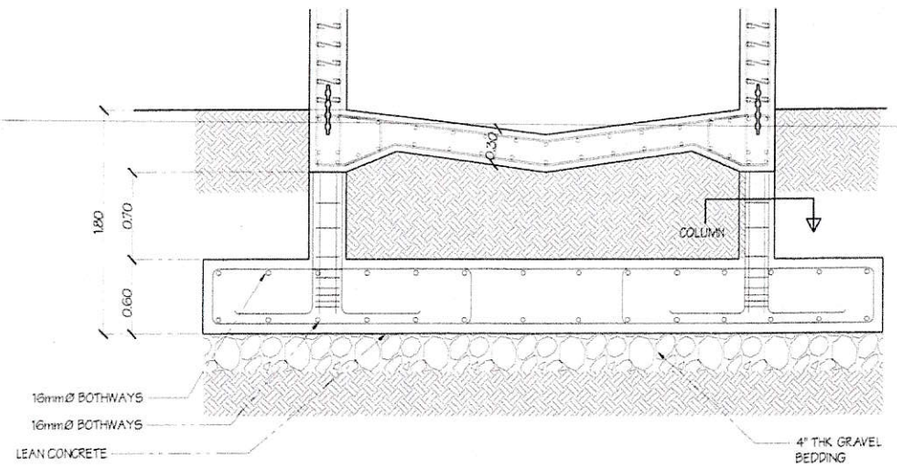
Scale 1:75 M



COLUMN-1

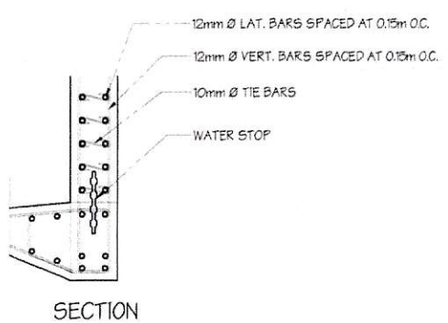
COLUMN SECTION

NTS

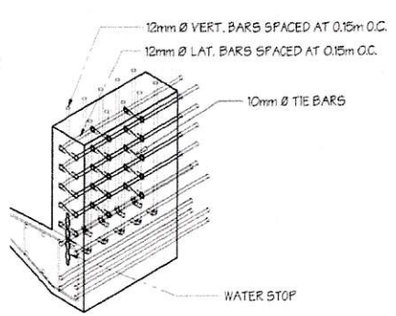


FOOTING SECTION DETAIL

NTS



SECTION



ISOMETRIC

SHEAR WALL DETAIL

NTS

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CENTRAL EXPERIMENT STATION
MUÑOZ, NUEVA ECIJA

R.A. 9241 - Art. 3, Section 20

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PROJECT TITLE

REHABILITATION OF WATER SYSTEM

PHILRICE, BRGY. QUIRINO SUR, BATAC, ILOCOS NORTE

PRODUCED BY

PHYSICAL PLANT DIVISION
INFRASTRUCTURE UNIT
PHILRICE
SCIENCE CITY OF MUÑOZ, NUEVA ECIJA

NOTED

RENATO S. BAJIT
PPD HEAD

ENDUSER

REYNALDO C. CASTRO
BRANCH MANAGER
PHILRICE BATAC

RECOMMENDING APPROVAL

ABNER T. MONTECALVO
DED FOR ASP.
PHILRICE

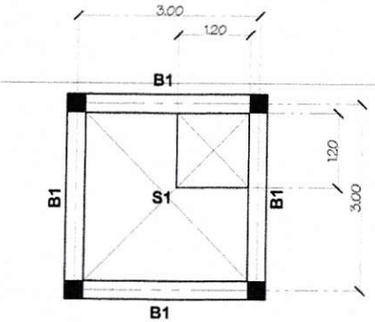
APPROVED

JOHN CYDE LEON
EXECUTIVE DIRECTOR
PHILRICE

SHEET NUMBER

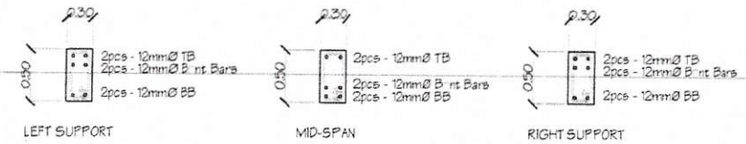
S1

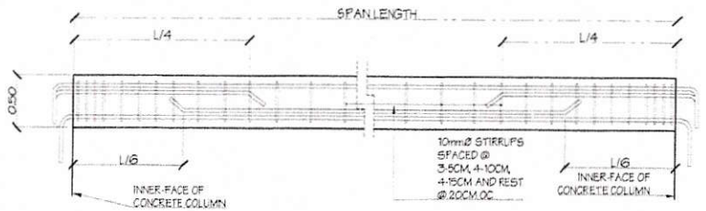
6 7



SLAB PLAN

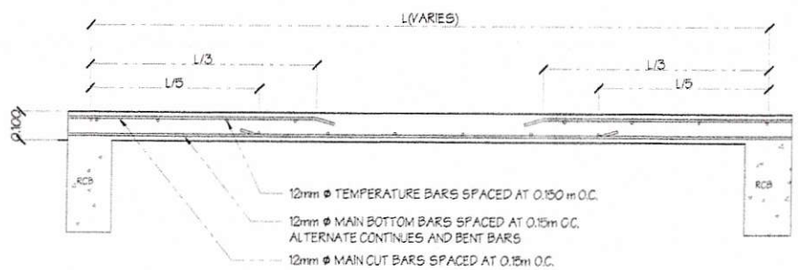
SCALE 1:100 M





BEAM DETAIL

NOT TO SCALE



TYPICAL ONE WAY SLAB DETAIL (S1)

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R.A. 9274 14 - Art. 3 Section 20

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PROJECT TITLE: REHABILITATION OF WATER SYSTEM

PHILRICE ENERGY BUILDING SUR, BATAC, ILOCOS NORTE

PRODUCED BY: PHYSICAL PLANT DIVISION, INFRASTRUCTURE UNIT, PHILRICE, SCIENCE CITY OF MUÑOZ, NUEVA ECIJA

NOTED: RENATO B. BAJIT, HRS-I/C

ENDUSER: REYNALDO C. CASTRO, BRANCH MANAGER, PHILRICE BATAC

RECOMMENDING APPROVAL: ABNER T. MONTECALVO, DIRECTOR, ABF, PHILRICE

APPROVED: JOHN C. DE LEON, EXECUTIVE DIRECTOR, PHILRICE

SHEET NUMBER: S2

7 7