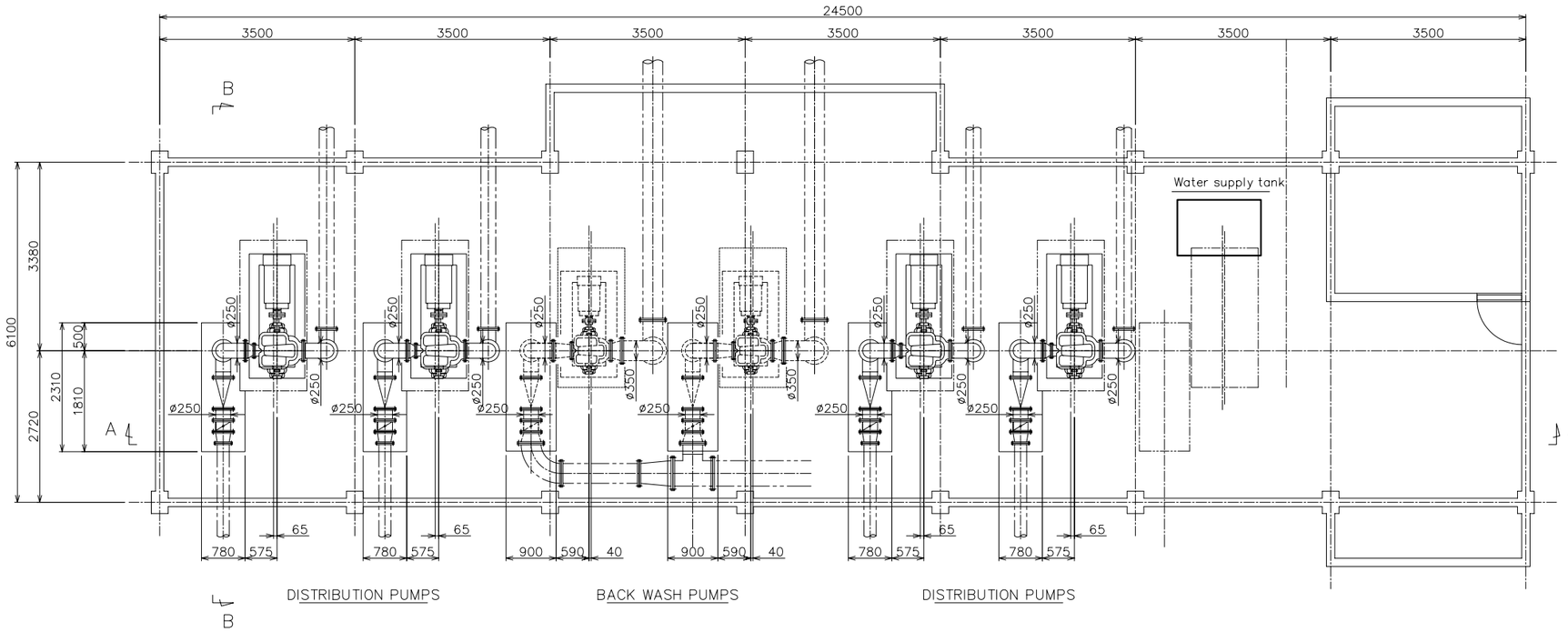
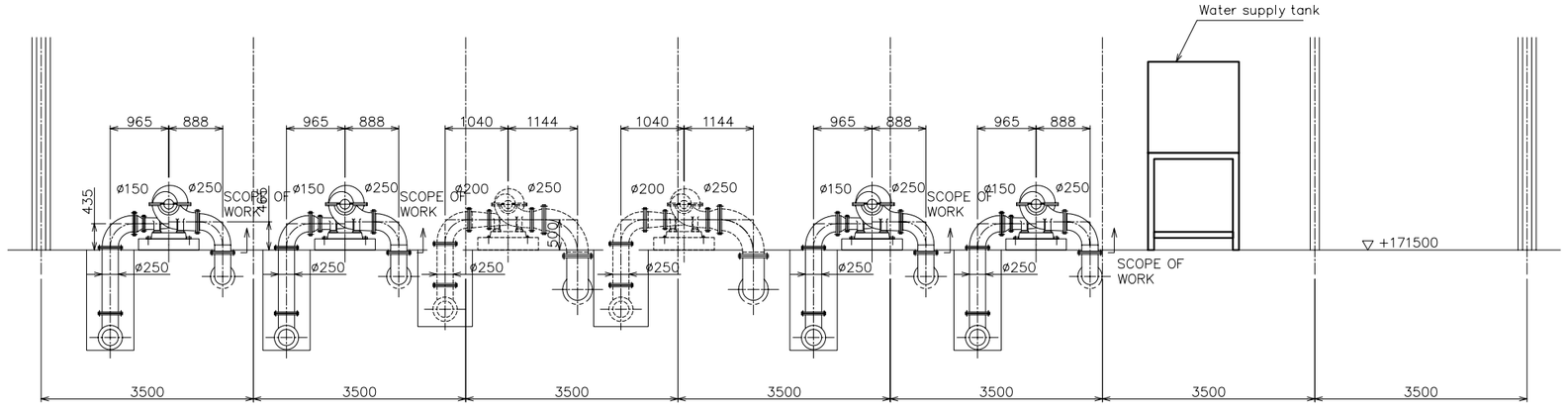
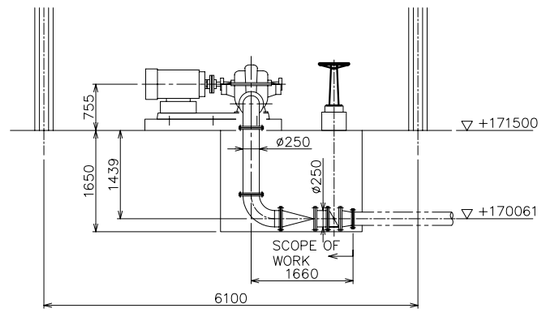




SECTION A – A



SECTION B – B

Lao People's Democratic Republic
Ministry of Communication, Transport, Post and Construction

The Basic Design Study on
The Project for the Vientiane Water Supply Development in Lao People's Democratic Republic

TITLE:
カオリオ浄水場改修計画配水ポンプ場改修

SCALE:	DRAWING NO.
AS SHOWN	図3-2-54

NIHON SUIDO CONSULTANTS CO., LTD. TOKYO, JAPAN

APPROVED BY DATE

DESIGNED BY DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

PUMPING STATION
INTAKE AND RAW WATER

TO BAN BOR O

STORAGE

OFFICE

CHEMICAL BUILDING

POWER SUB STATION

Ex.DIPø200 Distribution Line

Ex.DIPø200 Distribution Line

DIPø300(Detour Line)

EX.DIPø300
(to Thadueo)

Chamber "K"
(Valve)

DIPø700(Transmission Line)

Chamber "I"
(Flow Control Valve)
(Flow Meter)

DIPø700(Distribution Line)

Ex.DIPø200 Distribution Line

DIPø700(Transmission Line)

TO THADUA Road

DIPø700
(Distribution Line)

Chamber "L"
(Valve)

AIR VESSEL

Ex.DIPø1000 Distributuion Line

Planed CLEAR WATER RESERVOIR
(7,500m³)

Ex.ø1100

Ex.CLEAR WATER RESERVOIR

ø1100 Transmission Line

STORAGE

Lao People's Democratic Republic
Ministry of Communication, Transport, Post and Construction

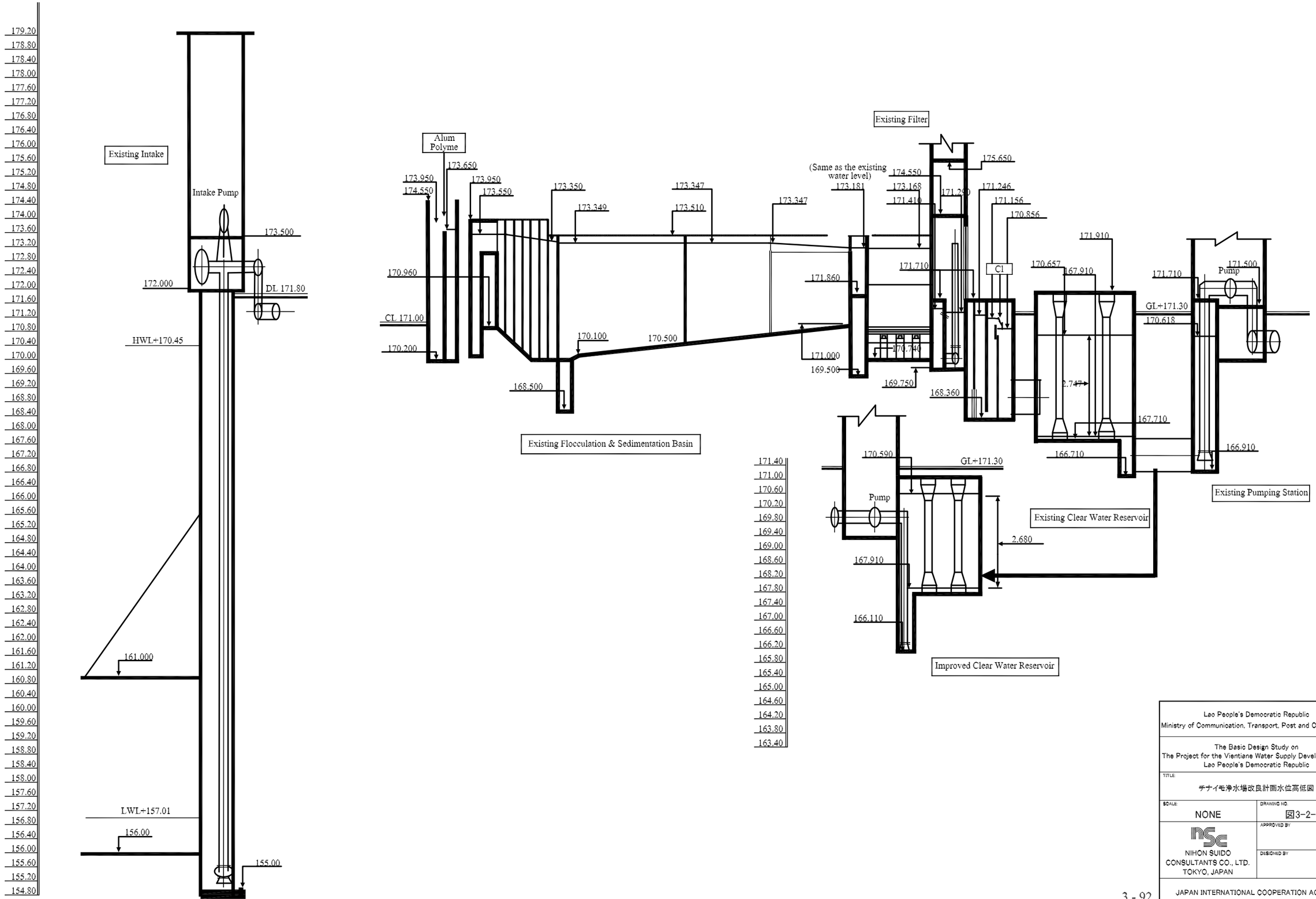
The Basic Design Study on
The Project for the Vientiane Water Supply Development in
Lao People's Democratic Republic

TITLE:
チナイモ浄水場改良計画全体平面図

SCALE: 1 / 800	DRAWING NO. 図3-2-55
NIHON SUIDO CONSULTANTS CO., LTD. TOKYO, JAPAN	APPROVED BY / DATE
	DESIGNED BY / DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

FLOW DIAGRAM OF IMPROVEMENT OF CHINAIMO WATER TREATMENT PLANT



Lao People's Democratic Republic
Ministry of Communication, Transport, Post and Construction

The Basic Design Study on
The Project for the Vientiane Water Supply Development in Lao People's Democratic Republic

TITLE: チナイモ浄水場改良計画水位高低図

SCALE:	DRAWING NO.
NONE	図3-2-56

NIHON SUIDO CONSULTANTS CO., LTD.
TOKYO, JAPAN

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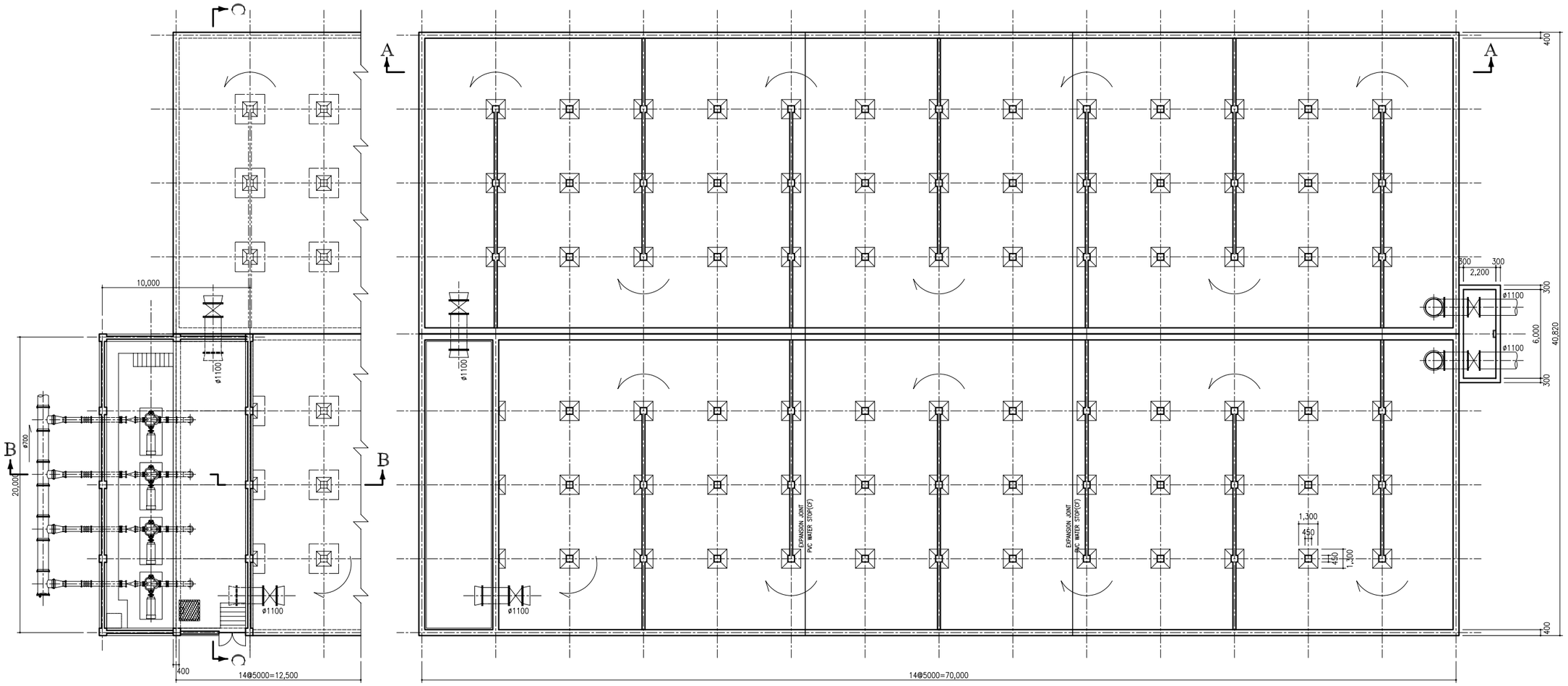
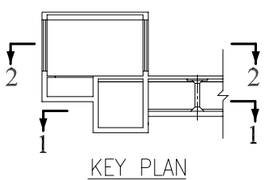
JAPAN INTERNATIONAL COOPERATION AGENCY



PLAN－2

PLAN－1



KEY PLAN

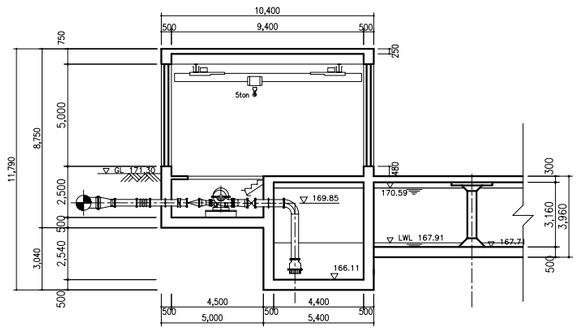
Lao People's Democratic Republic
Ministry of Communication, Transport, Post and Construction

The Basic Design Study on
The Project for the Vientiane Water Supply Development in
Lao People's Democratic Republic

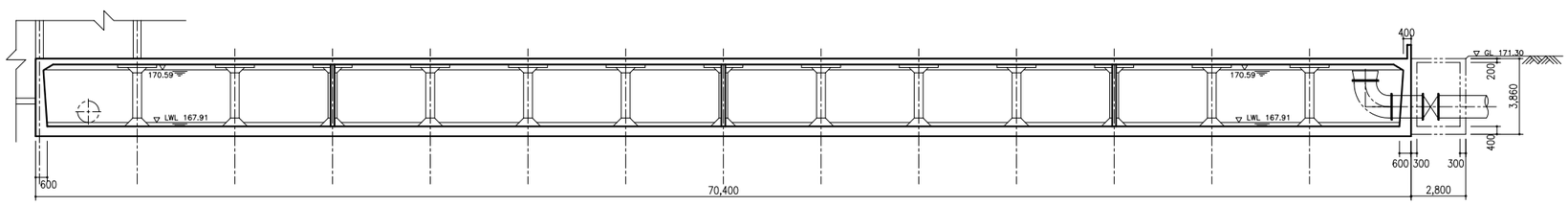
TITLE:
チナイモ浄水場改良計画配水池及び配水ポンプ場

SCALE: 1 / 300	DRAWING NO. 図3-2-57
NIHON SUIDO CONSULTANTS CO., LTD. TOKYO, JAPAN	APPROVED BY / DATE
	DESIGNED BY / DATE

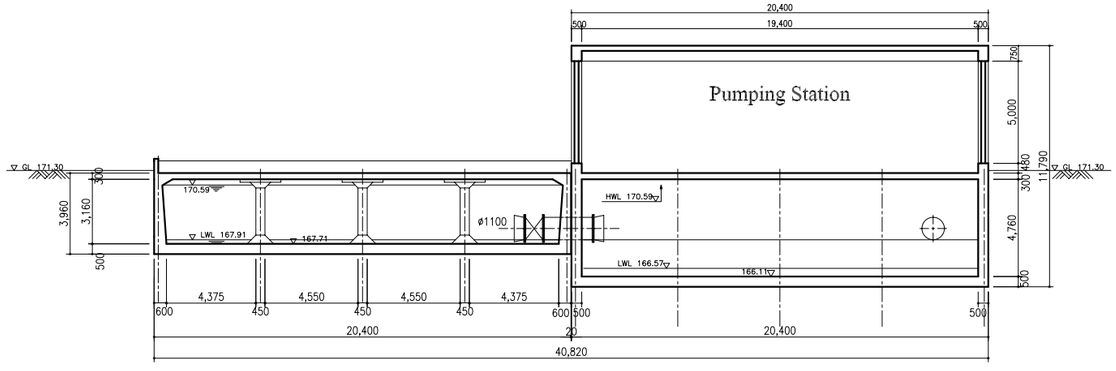
JAPAN INTERNATIONAL COOPERATION AGENCY



SECTION B–B

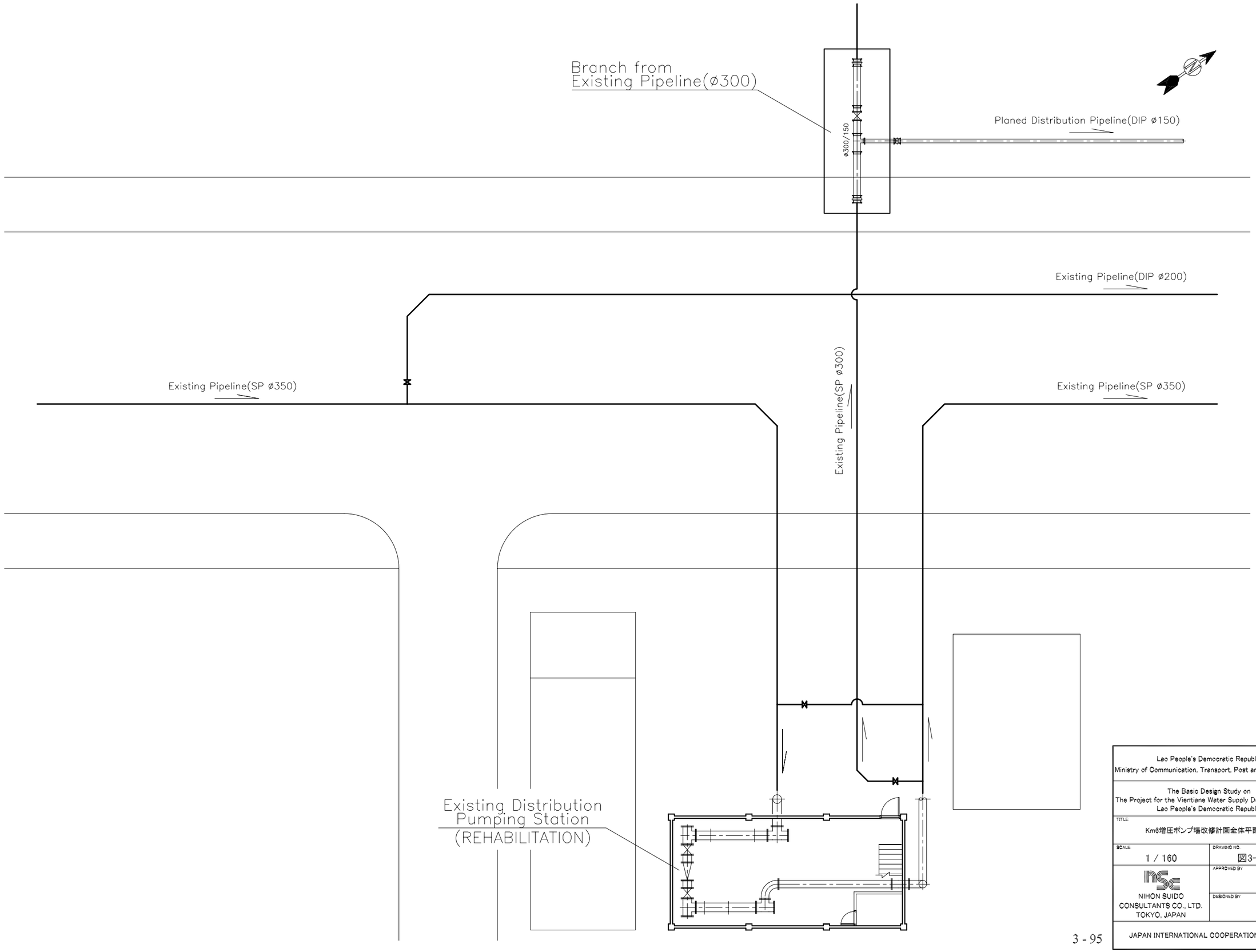


SECTION A–A

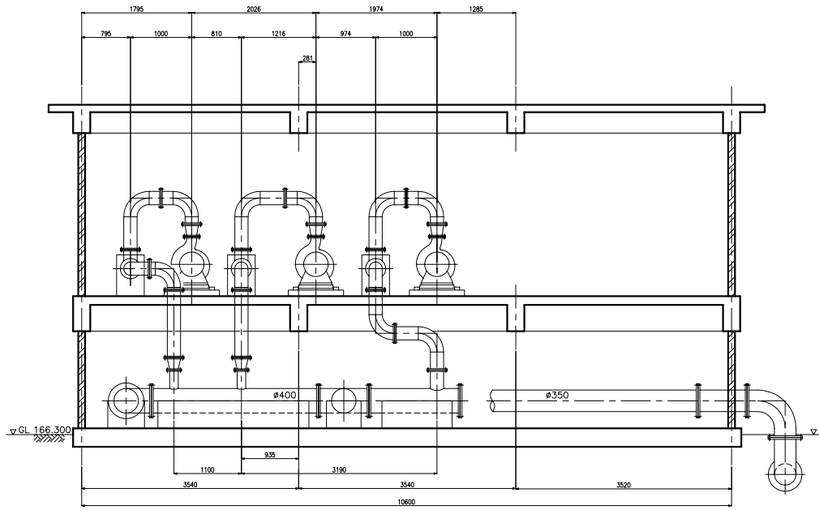


SECTION C–C

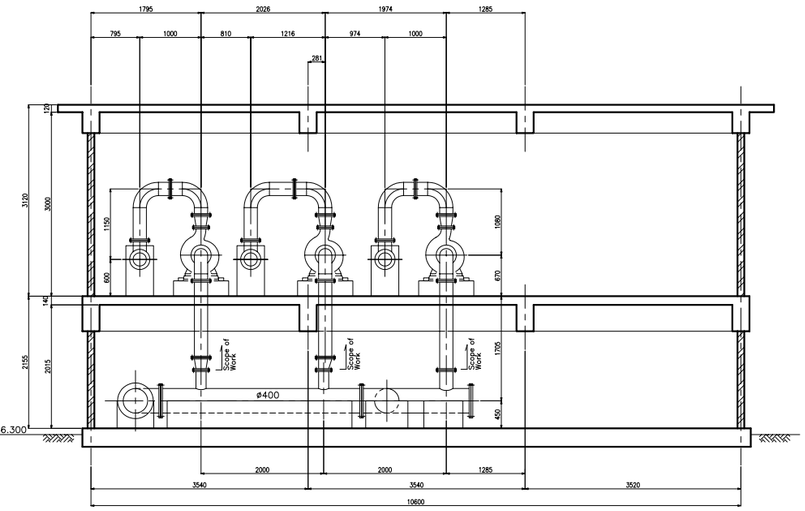
Lao People's Democratic Republic Ministry of Communication, Transport, Post and Construction	
The Basic Design Study on The Project for the Vientiane Water Supply Development in Lao People's Democratic Republic	
TITLE: チナイモ浄水場改良計画配水池及び配水ポンプ場(断面)	
SCALE: 1 / 300	DRAWING NO. 図3-2-58
NIHON SUIDO CONSULTANTS CO., LTD. TOKYO, JAPAN	APPROVED BY DATE DESIGNED BY DATE
JAPAN INTERNATIONAL COOPERATION AGENCY	



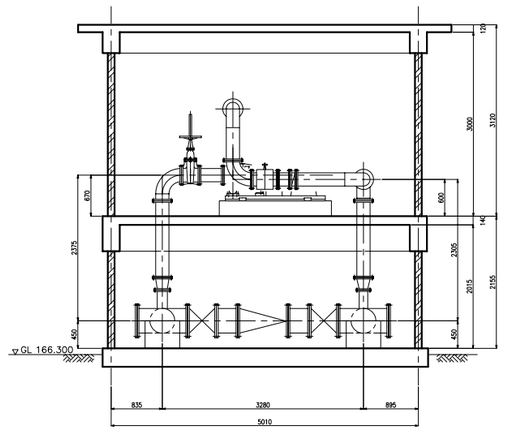
Lao People's Democratic Republic Ministry of Communication, Transport, Post and Construction	
The Basic Design Study on The Project for the Vientiane Water Supply Development in Lao People's Democratic Republic	
TITLE: Km8増圧ポンプ場改修計画全体平面図	
SCALE: 1 / 160	DRAWING NO. 図3-2-59
NIHON SUIDO CONSULTANTS CO., LTD. TOKYO, JAPAN	APPROVED BY / DATE DESIGNED BY / DATE
JAPAN INTERNATIONAL COOPERATION AGENCY	



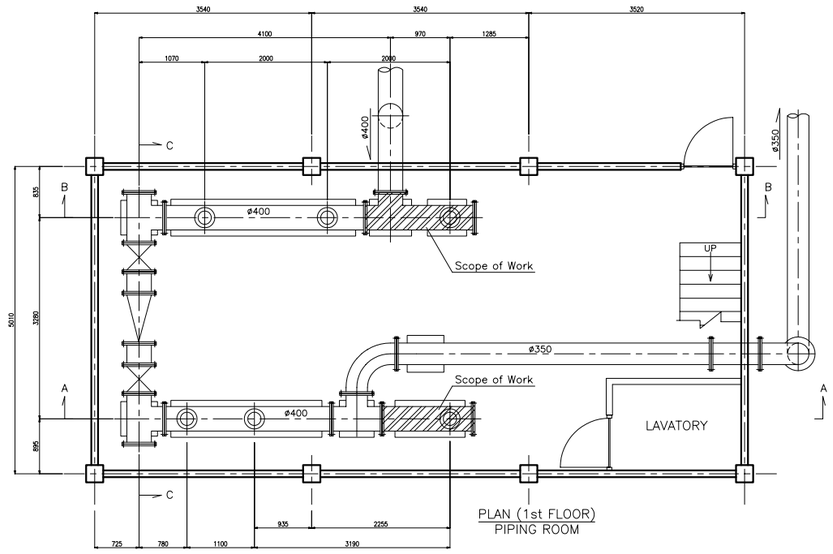
SECTION A–A



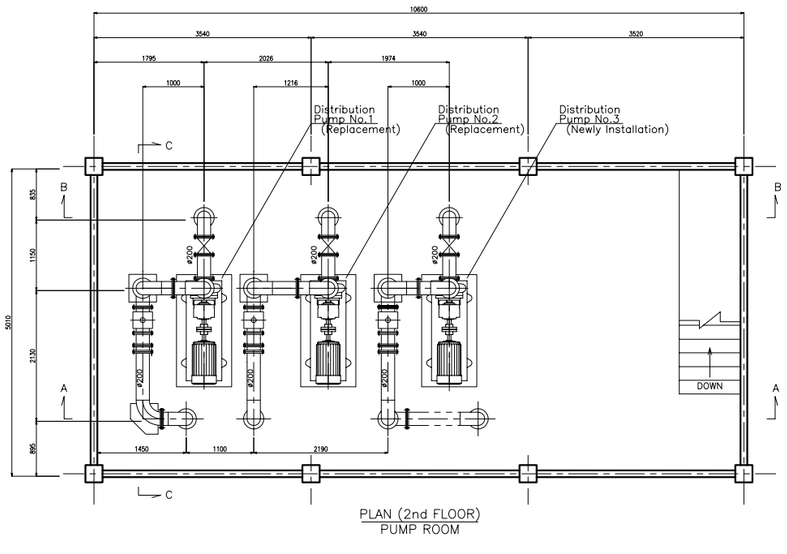
SECTION B–B



SECTION C–C

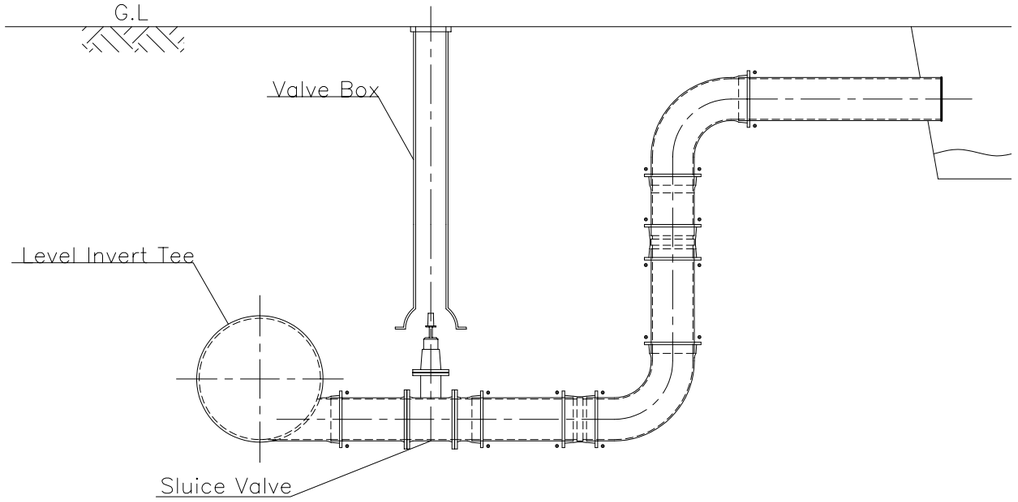


PLAN (1st FLOOR)
PIPING ROOM



PLAN (2nd FLOOR)
PUMP ROOM

Lao People's Democratic Republic Ministry of Communication, Transport, Post and Construction	
The Basic Design Study on The Project for the Vientiane Water Supply Development in Lao People's Democratic Republic	
TITLE: Km6増圧ポンプ場改修計画配水ポンプ	
SCALE: 1 / 100	DRAWING NO. 図3-2-60
NIHON SUIDO CONSULTANTS CO., LTD. TOKYO, JAPAN	APPROVED BY DATE DESIGNED BY DATE
JAPAN INTERNATIONAL COOPERATION AGENCY	

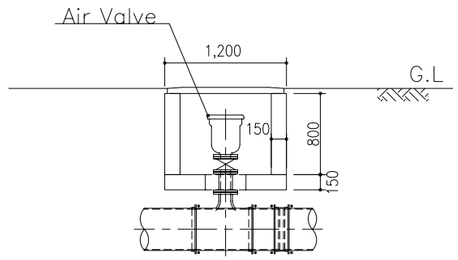


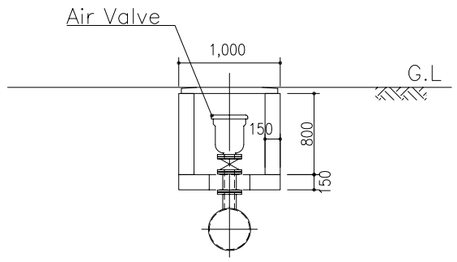
Note: Drainage Valve Assembly includes Valve Assembly.
Pipe Arrangement should be changed according to site condition.

Typical Drainage Valve Assembly

MATERIAL LIST

No	Description	Q'ty
No.01	Level Invert Tee	1 pce
No.02	Sluice Valve	1 pce
No.03	90° Bend	2 pcs
No.04	Collar	2 pcs
No.05	Straight Pipe	4 pcs

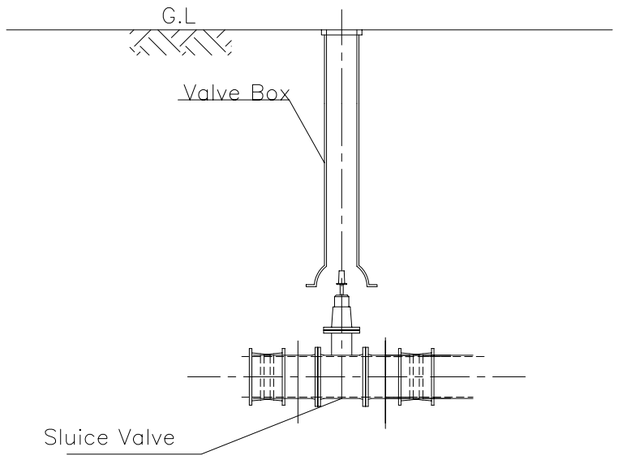




Typical Drawing of Air Valve & Chamber

MATERIAL LIST

No	Description	Q'ty
No.01	Tee with Flange	1 pce
No.02	Service Valve	1 pce
No.03	Air Valve	1 pce
No.04	Collar	1 pce
No.05	Straight Pipe	1 pce



Typical Valve Assembly(Cover Type)

Note: Valve Cover should be selected in case of pipe of less than Diameter 400mm.
Valve Chamber should be selected in case of pipe of Diameter 400mm and more.

Lao People's Democratic Republic
Ministry of Communication, Transport, Post and Construction

The Basic Design Study on
The Project for the Vientiane Water Supply Development in
Lao People's Democratic Republic

TITLE:
空気弁、排泥弁、仕切弁標準図

SCALE:	DRAWING NO.
NONE	図3-2-61

NIHON SUIDO CONSULTANTS CO., LTD.
TOKYO, JAPAN

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