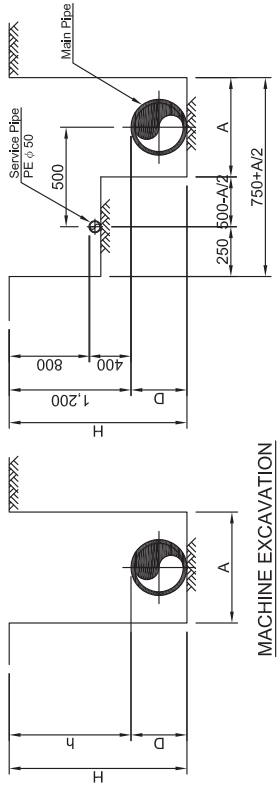
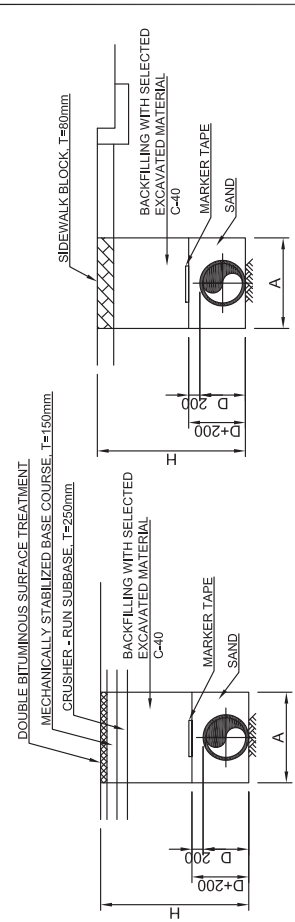


General Earth Work for Pipe Laying



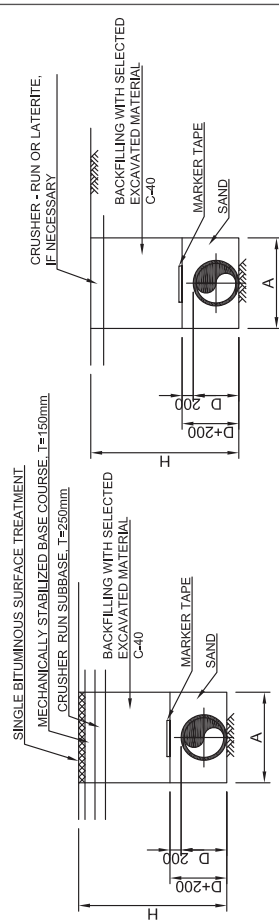
MACHINE EXCAVATION
NORMAL PART, Main Pipe with Service Pipe

Notice : Backfill is shown on the drawings in right side.
Service pipe is not needed to install in above pipe part.
Location of service pipe refer to cross section drawing.



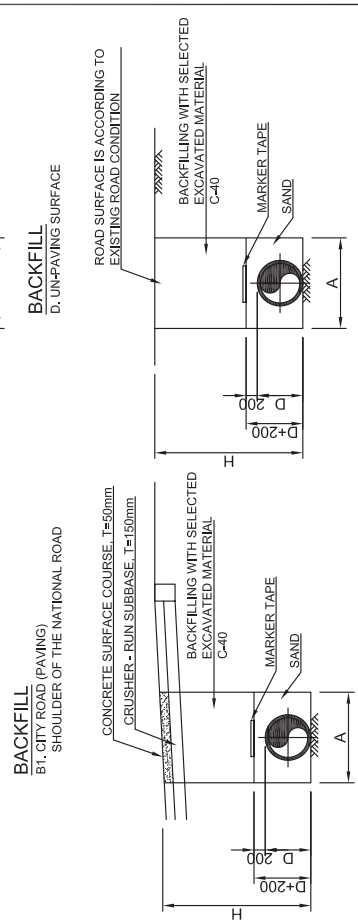
BACKFILL
C. SIDEWALK

BACKFILL
B1. CITY ROAD (PAVING)
SHOULDER OF THE NATIONAL ROAD



BACKFILL
A. ROADWAY OF THE NATIONAL ROAD

BACKFILL
B2. CONCRETE SURFACE COURSE



BACKFILL
D. UN-PAVING SURFACE

BACKFILL
B3. CITY ROAD (PAVING)
ROAD SURFACE IS ACCORDING TO
EXISTING ROAD CONDITION

BACKFILL
SERVICE PIPE

MACHINE EXCAVATION
SHEET PILE PART

PIPE MATERIAL	NOMINAL PIPE DIAMETER (φmm)	TRENCH WIDTH (mm)		EXCAVATION DEPTH (mm)		TRENCH WIDTH (mm)		DEPTH OF COVER (mm)		EXCAVATION DEPTH (mm)	
		Shallow	Standard	Shallow	Standard	Shallow	Standard	Shallow	Standard	Shallow	Standard
HOPE	50	0.50	0.6	0.87	1.27	0.70	0.6	0.6	1.2	H±150	H±150
	75	0.50	0.6	0.89	1.29	0.70	0.6	0.6	1.2	H±150	H±150
	100	0.50	0.6	0.93	1.33	0.75	0.6	0.6	1.2	H±150	H±150
	150	0.50	0.6	1.06	1.38	0.80	0.6	0.6	1.2	H±150	H±150
	200	0.50	0.6	1.21	1.45	0.85	0.6	0.6	1.2	H±150	H±150
	250	0.50	0.6	1.37	1.53	0.90	0.6	0.6	1.2	H±150	H±150
DIP	200	0.50	0.6	1.05	1.45	0.85	0.6	0.6	1.2	H±150	H±150
	250	0.50	0.6	1.21	1.53	0.90	0.6	0.6	1.2	H±150	H±150
	300	0.50	0.6	1.37	1.63	1.00	0.6	0.6	1.2	H±150	H±150
	350	0.50	0.6	1.53	1.68	1.00	0.6	0.6	1.2	H±150	H±150
	400	0.50	0.6	1.69	1.73	1.00	0.6	0.6	1.2	H±150	H±150
	450	0.50	0.6	1.85	1.73	1.00	0.6	0.6	1.2	H±150	H±150
Main Pipe with Service Pipe	200	1.00	0.6	1.2	1.45	1.20	0.6	0.6	1.2	H±150	H±150
	250	1.00	0.6	1.37	1.46	1.20	0.6	0.6	1.2	H±150	H±150
	300	1.00	0.6	1.53	1.46	1.20	0.6	0.6	1.2	H±150	H±150
	350	1.00	0.6	1.69	1.46	1.20	0.6	0.6	1.2	H±150	H±150
	400	1.00	0.6	1.85	1.46	1.20	0.6	0.6	1.2	H±150	H±150
	450	1.00	0.6	2.01	1.46	1.20	0.6	0.6	1.2	H±150	H±150

PROJECT DESCRIPTION

THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS
カンボジア国地方上水道拡張整備計画準備調査

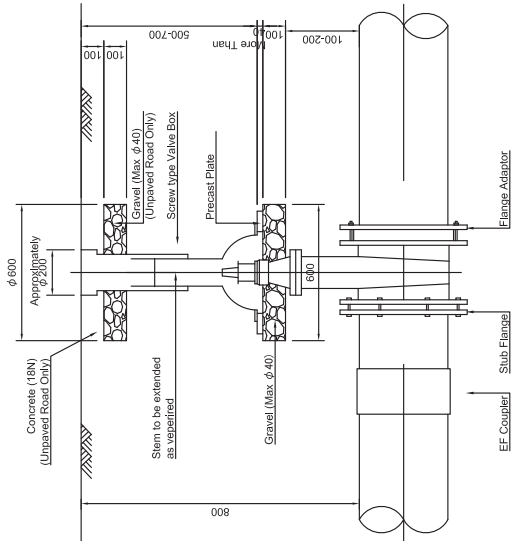
General Earth Work for Pipe Line

APPROVE BY DATE
DRAWING No. K-D111

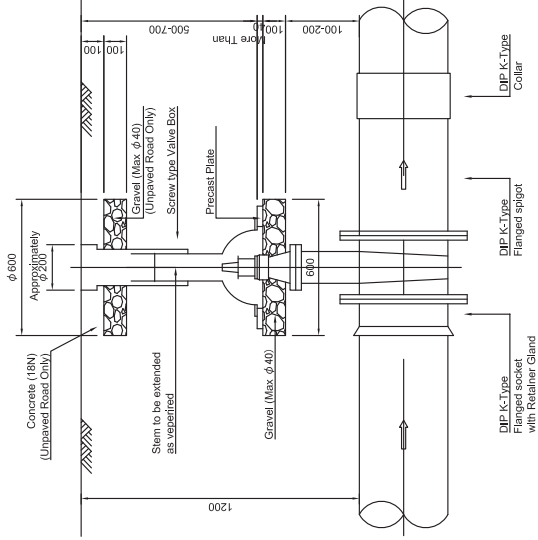
PREPARED BY DATE
NIHON SUDO CONSULTANTS CO., LTD.
WATER AND SEWER BUREAU, CITY OF KITAKYUSHU
CTI ENGINEERING INTERNATIONAL CO., LTD.

SCALE

Typical Drawing for Installation of Sluice Valve



SLUICE VALVE INSTALLATION
(HDPEφ50-φ200mm)



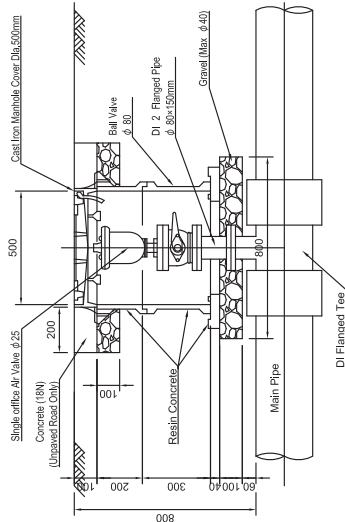
SLUICE VALVE INSTALLATION
(DIPφ250-φ500mm)

NOTE

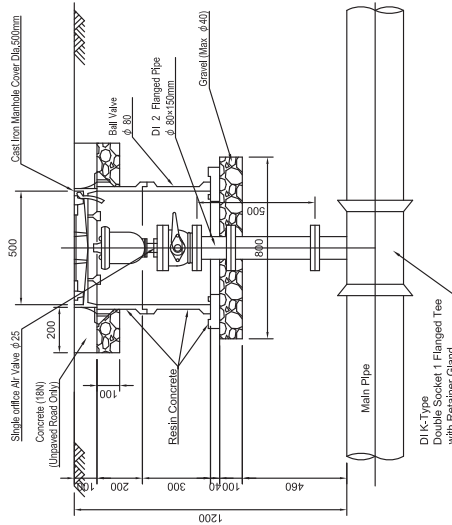
1. ALL SLUICE VALVES LESS THAN 400mm DIA. WILL HAVE NO CHAMBERS AND WILL BE INSTALLED SEEMIER TO WASH OUT VALVES HEAVY-DUTY SURFACE BOXES AT THE ROAD LEVEL TO OPERATE THEM.
2. ALL DIMENSIONS ARE IN mm.

<p>PROJECT</p> <p>THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア国地方上水道拡張整備計画準備調査</p>	<p>DESCRIPTION</p> <p>Typical Drawing for Installation of Sluice Valve</p>	<p>APPROVE BY</p> <p>DATE</p>	<p>DRAWING No</p> <p>K-D12</p>
<p>PREPARED BY</p> <p>NIHON SUDO CONSULTANTS CO., LTD. WATER AND SEWER BUREAU, CITY OF KITAKYUSHU CTI ENGINEERING INTERNATIONAL CO., LTD.</p>	<p>DATE</p>	<p>SCALE</p>	<p>SCALE</p>

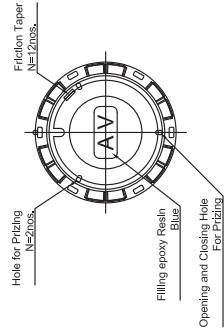
Typical Drawing for Installation of Air Valve and Washout



SINGLE ORIFICE AIR VALVE CHAMBER
(MAIN PIPE ϕ 200(HDPE))

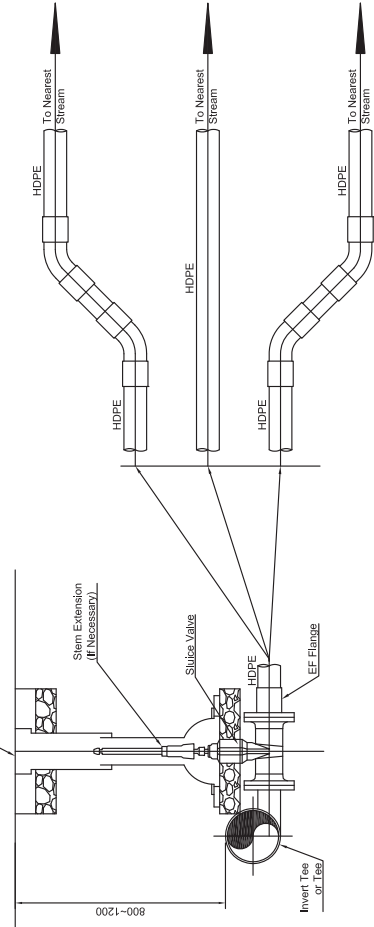


SINGLE ORIFICE AIR VALVE CHAMBER
(MAIN PIPE ϕ 250~ ϕ 500(DIP))



CAST IRON MANHOLE COVER
 ϕ 500(No. 3 Type)

Screw Type Valve Box
(For detail, see drawing "Typical drawing for Sluice Valve")



WASHOUT

CRITERIA FOR AIR VALVE AND WASH OUT

MAIN PIPE MATERIAL	MAIN PIPE	BRANCH PIPE for AIR VALVE	BRANCH PIPE WASH OUT
HDPE	ϕ 50	ϕ 80	ϕ 50
	ϕ 75	ϕ 80	ϕ 50
	ϕ 100	ϕ 80	ϕ 75
	ϕ 150	ϕ 80	ϕ 75
	ϕ 200	ϕ 80	ϕ 75
DIP	ϕ 250	ϕ 80	ϕ 75
	ϕ 300	ϕ 80	ϕ 75
	ϕ 350	ϕ 80	ϕ 100
	ϕ 400	ϕ 80	ϕ 150
	ϕ 450	ϕ 80	ϕ 200
	ϕ 500	ϕ 80	ϕ 200

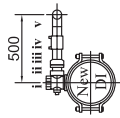
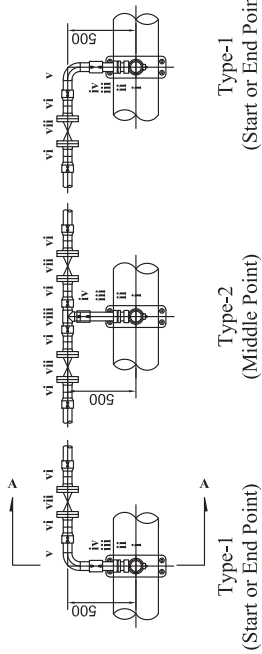
NOTE

1. THE THICKNESS OF THE BLINDING LAYER SPECIFIED IN THE DRAWING IS FOR NORMAL SOIL TYPES, HOWEVER IF THE STRUCTURE IS FOUNDED ON VERY WEAK SOIL SUCH AS PEAT.
2. THE TOP OF THE AIR VALVE CHAMBER SHOULD BE AT THE SAME LEVEL AS THE ROAD TOP LEVEL.
3. THE VALVE BOXES FOR WASHOUT MAY BE ON THE BANK OF THE ROAD.
4. ALL DIMENSIONS ARE IN mm.

PROJECT	DESCRIPTION	APPROVE BY	DATE	DRAWING No
		PREPARED BY	DATE	SCALE
THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア国地方上水道拡張整備計画準備調査		NIHON SUDO CONSULTANTS CO., LTD. WATER AND SEWER BUREAU, CITY OF KITAKYUSHU		K-D13
		CTI ENGINEERING INTERNATIONAL CO., LTD.		

Typical Drawing for Branch of Service Pipe

Branch of Service Pipe (DI×HDPE φ 50)
Saddle Cramp



A-A Section

Material	Specification
I	FCD Saddle Cramp for DIP φ D × φ 50
II	CAC Metal Socket of HDPE for Meter φ 50
III	HDPE Double Socket Pipe φ 50 L=500mm (Minimum)
IV	HDPE EF Socket φ 50
V	HDPE 90° Bend φ 50
VI	HDPE EF Flange PN10 φ 50
VII	FCD Soft Seal Sluice Valve PN10 φ 50 JisB16 Screw type
VIII	HDPE Tee φ 50 × φ 50

Note : Flange joints shall be SUS304 PN10.

PROJECT

THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS
FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS
カンボジア国地方上水道拡張整備計画準備調査

DESCRIPTION
Typical Drawing for Branch
of Service Pipe

NIHON SUIDO CONSULTANTS CO., LTD.
WATER AND SEWER BUREAU, CITY OF KITAKYUSHU
CTI ENGINEERING INTERNATIONAL CO., LTD.

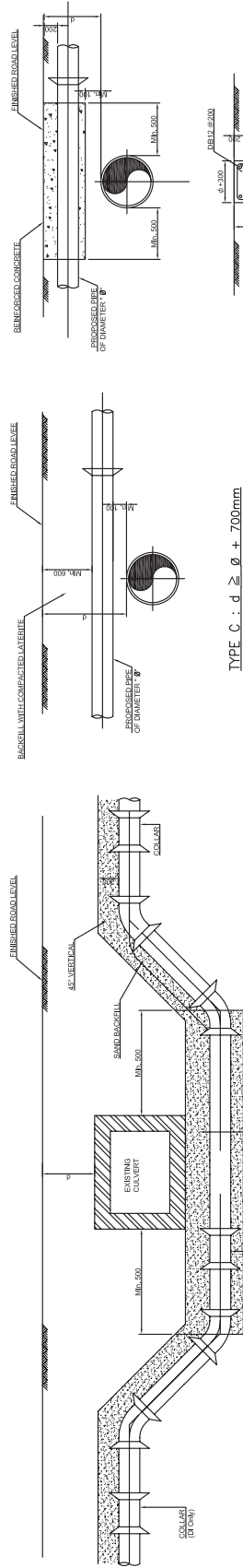
APPROVE BY

DRAWING No
K-D14

PREPARED BY

SCALE

Typical Drawing for Structure Crossing



Note : D1 Pipe is assumed to be K type.
K type Retainer Gland shall be installed at D1 Pipe.

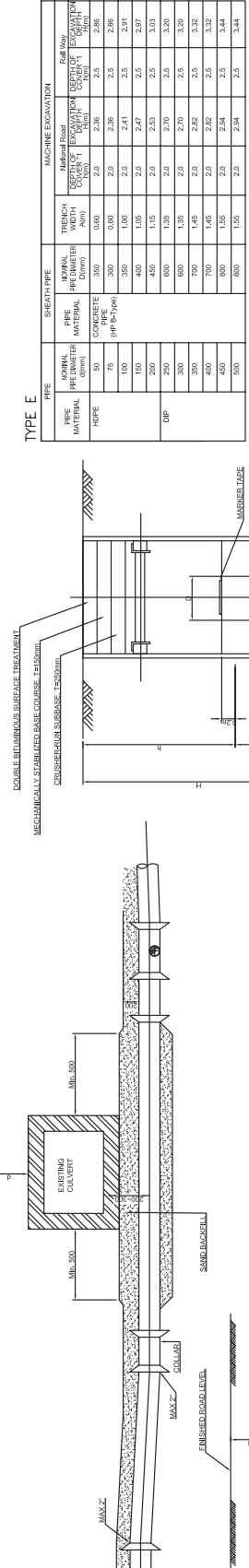
TYPE A : REQUIRED VERTICAL BEND 45°

TYPE C : $d \geq \phi + 700\text{mm}$

PIPE OVER CROSSING THE CULVERT APPLICABLE TO ALL TYPES OF CULVERTS

SECTION (B)

TYPE D : $\phi + 400\text{mm} < d < \phi + 700\text{mm}$



- Note :
- The space between invert at the culvert & bottom of the trench in type A, AB shall be filled with sand to the full trench width.
 - Under crossing of type B, 12mm deformed bars shall be provided at corners & 10mm deformed bars 200mm intervals with concrete cover of 40mm.
 - In the event of under crossing all types of culverts, the contractor shall be responsible for using an appropriate supporting system, as approved by the consultant.

Note : D1 Pipe is assumed to be K type.
K type Retainer Gland shall be installed at D1 Pipe.

TYPE B : WITHIN ALLOWABLE DEFLECTION (MAXIMUM 2)

SECTION (A)

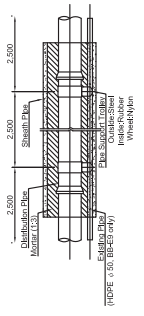
PIPE UNDER CROSSING THE CULVERT

TYPE E :

PIPE UNDER CROSSING THE NATIONAL ROAD AND RAIL WAY

PIPE MATERIAL	PIPE DIAMETER (mm)	TRENCH WIDTH (mm)	MACHINE EXCAVATION	
			DEPTH OF EXCAVATION (mm)	DEPTH OF EXCAVATION (mm)
HOPE	50	600	2.0	2.0
	75	600	2.0	2.0
	100	600	2.0	2.0
	150	600	2.0	2.0
	200	600	2.0	2.0
DIP	300	600	2.0	2.0
	400	600	2.0	2.0
	500	600	2.0	2.0
	600	600	2.0	2.0
	700	600	2.0	2.0
CONCRETE PIPE (H-P Type)	300	600	2.0	2.0
	400	600	2.0	2.0
	500	600	2.0	2.0
	600	600	2.0	2.0
	700	600	2.0	2.0
CONCRETE PIPE (H-P Type)	300	600	2.0	2.0
	400	600	2.0	2.0
	500	600	2.0	2.0
	600	600	2.0	2.0
	700	600	2.0	2.0

*1. DEPTH OF COVER: DEPEND ON THE SITE CONDITION.

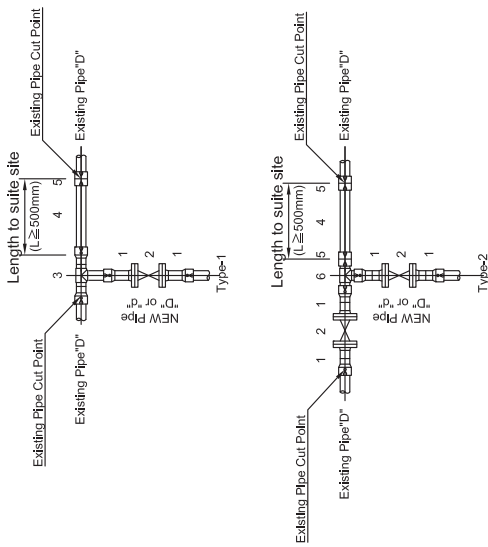


- Note :
- The pitch of Spacer is 2.5m.
 - The existing pipe (HPE-φ50) is only in BB-E9.

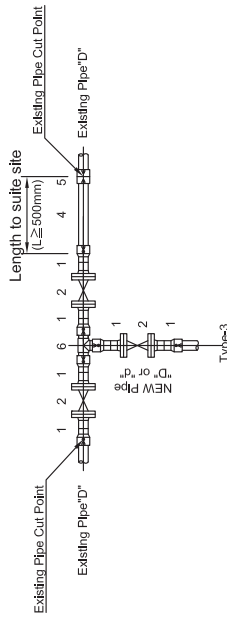
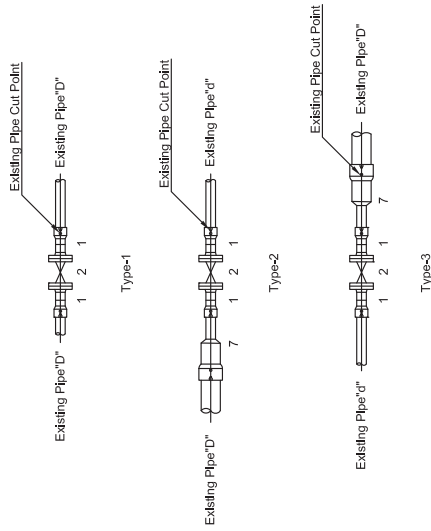
PROJECT	DESCRIPTION	APPROVE BY	DATE	DRAWING No
THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア即地方上水道拡張整備計画準備調査	Typical Drawing for Structure Crossing			K-D15
		PREPARED BY	DATE	SCALE

Typical Drawing for Connection of New Pipe and Existing Pipe (1)

HDPE(new) x HDPE(Existing) Tee Connection



HDPE(new) x HDPE(Existing) Strate Connection



Note :

- $\phi < D$
- Taper pipe is to be installed at new pipe, when the colibers of new pipe and existing pipe differ.
- In the case of uPVC pipe, read "EF" as "TS" instead of HDPE.
- Flange joints shall be SUS304 PN10.

No.	Material	Specification
1	HDPE EF Flange	PN10 ϕ D or ϕ d
2	FGD Soft Seal Sluice Valve	PN10 ϕ D or ϕ d Inside Screw type
3	HDPE EF Tee	PN10 ϕ D x ϕ D or ϕ d
4	HDPE Double Spigot Pipe	PN10 ϕ D, L=500mm (Minimum)
5	HDPE EF Socket	PN10 ϕ D
6	HDPE Tee	PN10 ϕ D x ϕ D or ϕ d
7	HDPE EF Reducer	PN10 ϕ D x ϕ d

PROJECT
THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS
FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS
カンボジア国地方上水道拡張整備計画準備調査

DESCRIPTION
Typical Drawing for
Connection of New Pipe and
Existing Pipe (1)

NIHON SUIDO CONSULTANTS CO., LTD.
WATER AND SEWER BUREAU, CITY OF KITAKYUSHU
CTI ENGINEERING INTERNATIONAL CO., LTD.

APPROVE BY

DRAWING No
K-D16

DATE

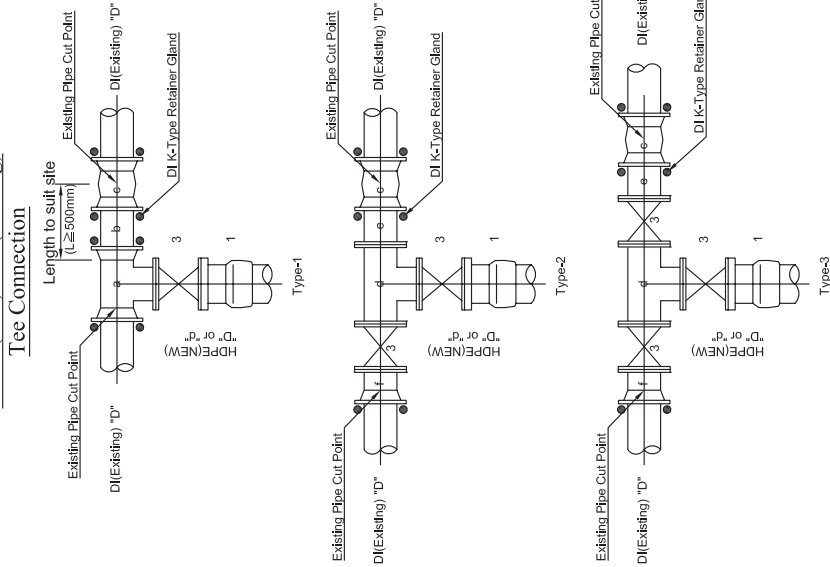
SCALE

DATE

PREPARED BY

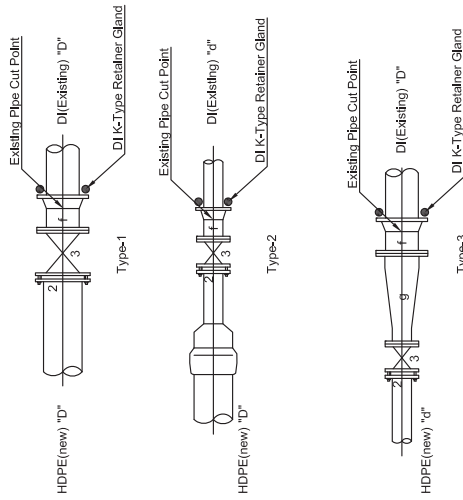
Typical Drawing for Connection of New Pipe and Existing Pipe (2)

HDPE(new) x DI(existing) Tee Connection



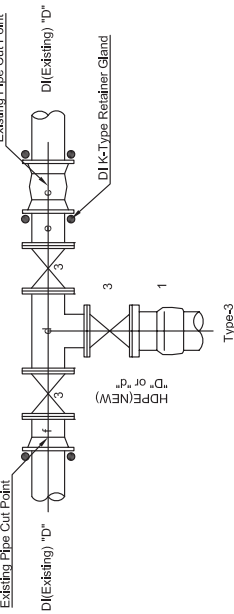
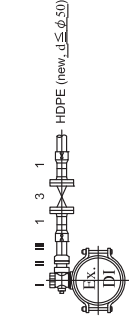
HDPE(new, > φ 50) x DI(existing) Starate Connection

Starate Connection



HDPE(new, ≤ φ 50) x DI(existing, ≤ φ 250) Saddle Cramp

Saddle Cramp



Note :

- d < D
- Taper pipe is to be installed at new pipe, when the colibers of new pipe and existing pipe differ.
- In the case of uPVC pipe, read "EF" as "TS" instead of HDPE.
- Flange joints shall be SUS304 PN10.

No.	Material	Specification
1	HDPE EF Flange	PN10
2	HDPE Flange Adaptor	PN10
3	FCD Soft Seal Slitice Valve	PN10 φ D or φ d Inside Screw type
a	DI Double Socket Tee with Flanged Branch	K type PN10 φ D x φ D or φ d
b	DI Double Spigot Pipe	φ D, L=500mm (Minimum)
c	DI Collar	K type φ D
d	DI All Flanged Tee	PN10 φ D x φ D or φ d
e	DI Flanged Spigot	PN10 φ D
f	DI Flanged Socket	K type PN10 φ D
g	DI Double Flanged Taper	PN10 φ D x φ d
l	FCD Saddle Cramp for DJP	φ D x φ d
ii	CAC Metal Socket of HDPE for Meter	φ d
iii	HDPE Double Spigot Pipe	φ d, L=300mm (Minimum)

PROJECT

THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS
カンボジア国地方上水道拡張整備計画準備調査

DESCRIPTION

Typical Drawing for Connection of New Pipe and Existing Pipe (2)

NIHON SUDO CONSULTANTS CO., LTD.
WATER AND SEWER BUREAU, CITY OF KITAKYUSHU
CTI ENGINEERING INTERNATIONAL CO., LTD.

APPROVE BY

DATE

DRAWING No
K-D17

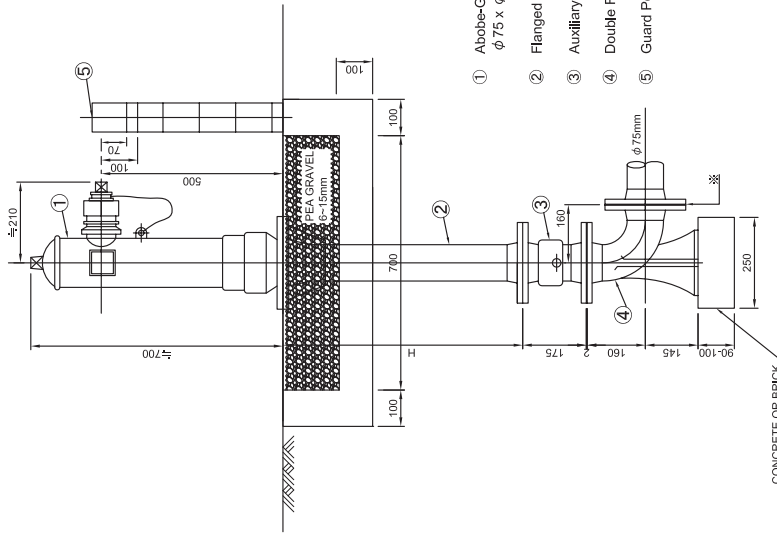
PREPARED BY

DATE

SCALE

SINGLE MOUTH TYPE FIRE HYDRANT

Pipeline (mm)	H	
	Type I	Type II
φ 100	900	500
φ 150	950	550
φ 200	950	550
φ 250	1000	600

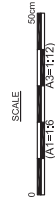


- ① Above-Ground Double Mouths Type Fire Hydrant
φ 75 x φ 65, One-Way Strike-To-Fall Type
- ② Flanged Extension Pipe
- ③ Auxiliary Valve
- ④ Double Flanged 90° Bend with Duck-Foot
- ⑤ Guard Post Type A Equipped with Reduced Memorial Plate

※ PN10 - φ 75 FLANGE

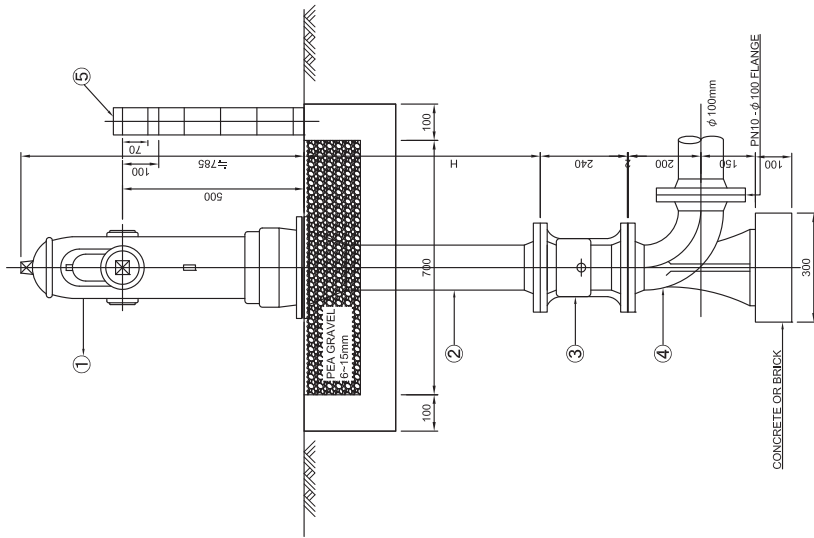
TYPE - I H=1.2m
TYPE - II H=0.8m

SINGLE MOUTH TYPE FIRE HYDRANT



PROJECT THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア地方上水道拡張整備計画準備調査	DESCRIPTION Single Mouth Type Fire Hydrant	APPROVE BY	DATE	DRAWING No. K-D18
		PREPARED BY	DATE	SCALE

NIHON SUDO CONSULTANTS CO., LTD.
WATER AND SEWER BUREAU, CITY OF KITAKYUSHU
CTI ENGINEERING INTERNATIONAL CO., LTD.



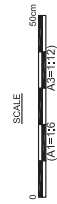
TYPE - I H=1.2m
 TYPE - II H=0.8m

DOUBLE MOUTHS TYPE FIRE HYDRANT

Pipeline (mm)	H	
	TYPE I	TYPE II
φ 300	900	500
φ 350	950	550
φ 400	950	550

- ① Above-Ground Double Mouths Type Fire Hydrant
φ 100 x (φ 65 x 2nos.), Two-Ways Stifke-To-Fall type
- ② Flanged Extension Pipe
- ③ Auxiliary Valve
- ④ Double Flanged 90° Bend with Duck-Foot
- ⑤ Guard Post Type A Equipped with Reduced Memorial Plate

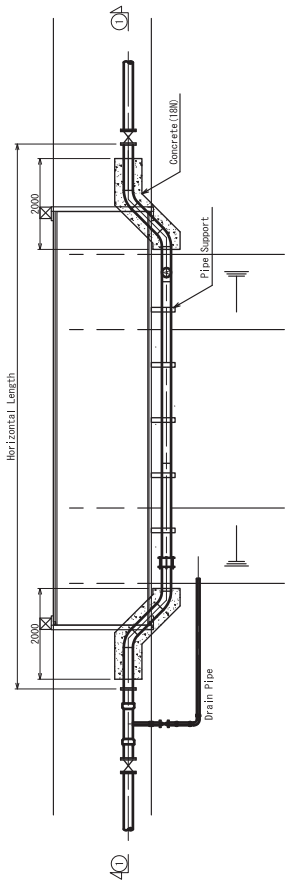
DOUBLE MOUTHS TYPE FIRE HYDRANT



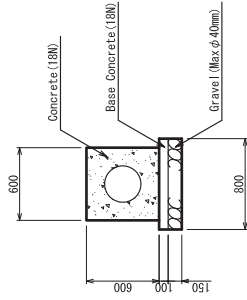
PROJECT THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア地方上水道拡張整備計画準備調査	DESCRIPTION Double Mouths Type Fire Hydrant	APPROVE BY	DATE	DRAWING No. K-D19
		PREPARED BY	DATE	SCALE

Standard Drawing for Bridge Attached Pipe

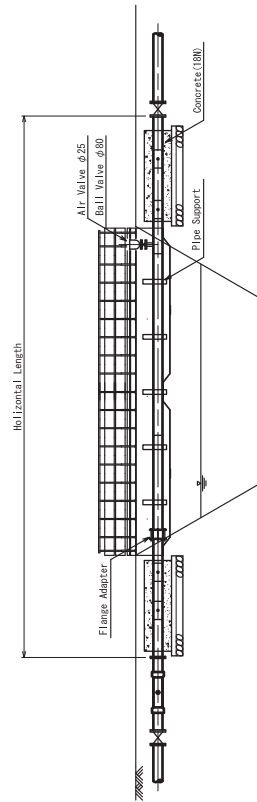
BAP (Bridge Attached Pipe)



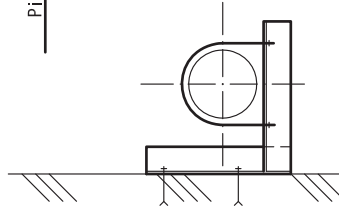
Concrete



Section ①-①



Pipe Support



Pipe Support

Diameter	Main Material	U-band	Anchor
φ 100	L-65 × 65 × 6	φ 100用	M12 × 100L
φ 150	L-75 × 75 × 6	φ 150用	M12 × 100L
φ 200	L-90 × 90 × 6	φ 200用	M16 × 100L
φ 250	L-90 × 90 × 6	φ 250用	M20 × 160L

PROJECT

THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS
FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS
カンボジア地方上水道拡張整備計画準備調査

DESCRIPTION

Standard Drawing for
Bridge Attached Pipe

APPROVE BY

DRAWING No

NIHON SUIDO CONSULTANTS CO., LTD.
WATER AND SEWER BUREAU, CITY OF KITAKYUSHU
CTI ENGINEERING INTERNATIONAL CO., LTD.

DATE

K-D20

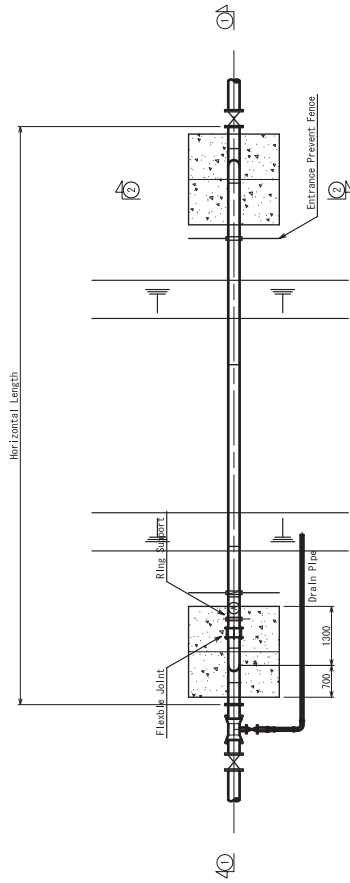
PREPARED BY

SCALE

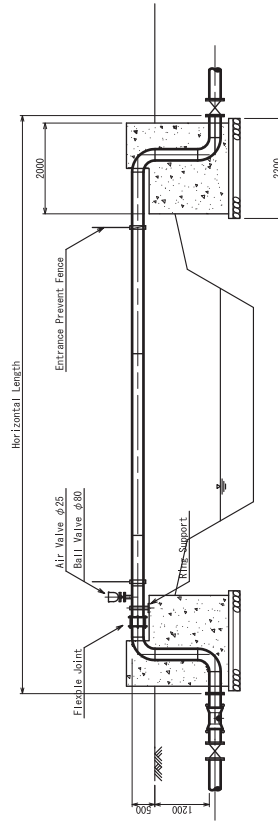
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Standard Drawing for Pipe Beam

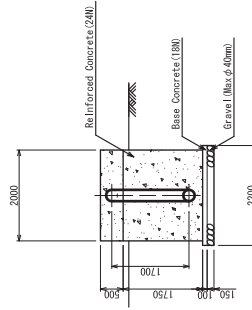
PB (Pipe beam)



Section ①-①



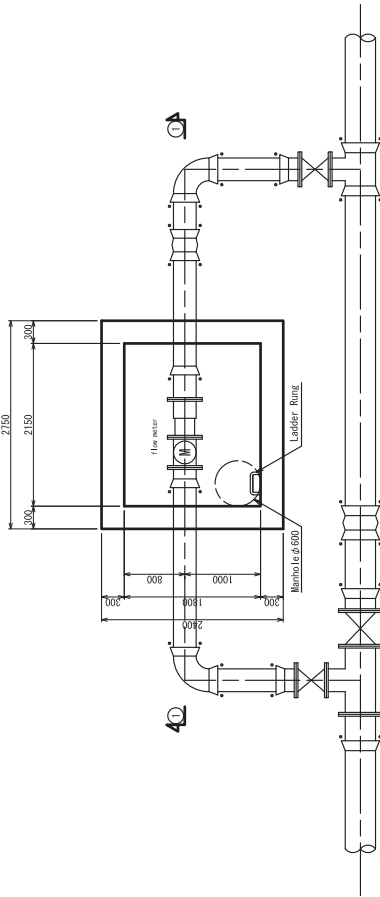
Section ②-②



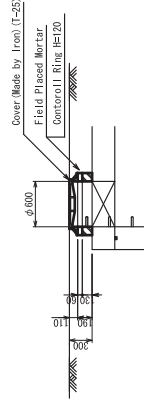
PROJECT	DESCRIPTION	APPROVE BY	DATE	DRAWING No
				K-D21
THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア即地方上水道拡張整備計画準備調査	Standard Drawing for Pipe Beam	PREPARED BY	DATE	SCALE
				NIHON SUIDO CONSULTANTS CO., LTD. WATER AND SEWER BUREAU, CITY OF KITAKYUSHU CTI ENGINEERING INTERNATIONAL CO., LTD.

Standard Drawing for Flow Meter Chamber

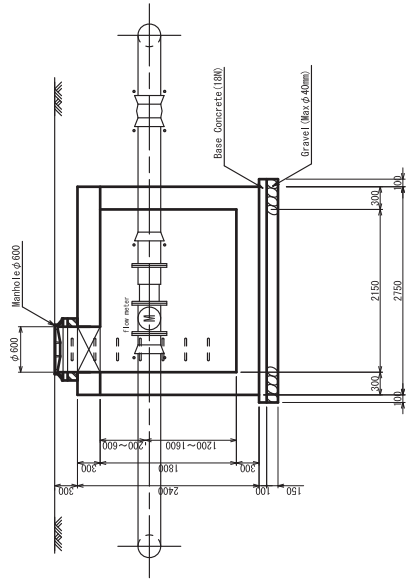
Plan



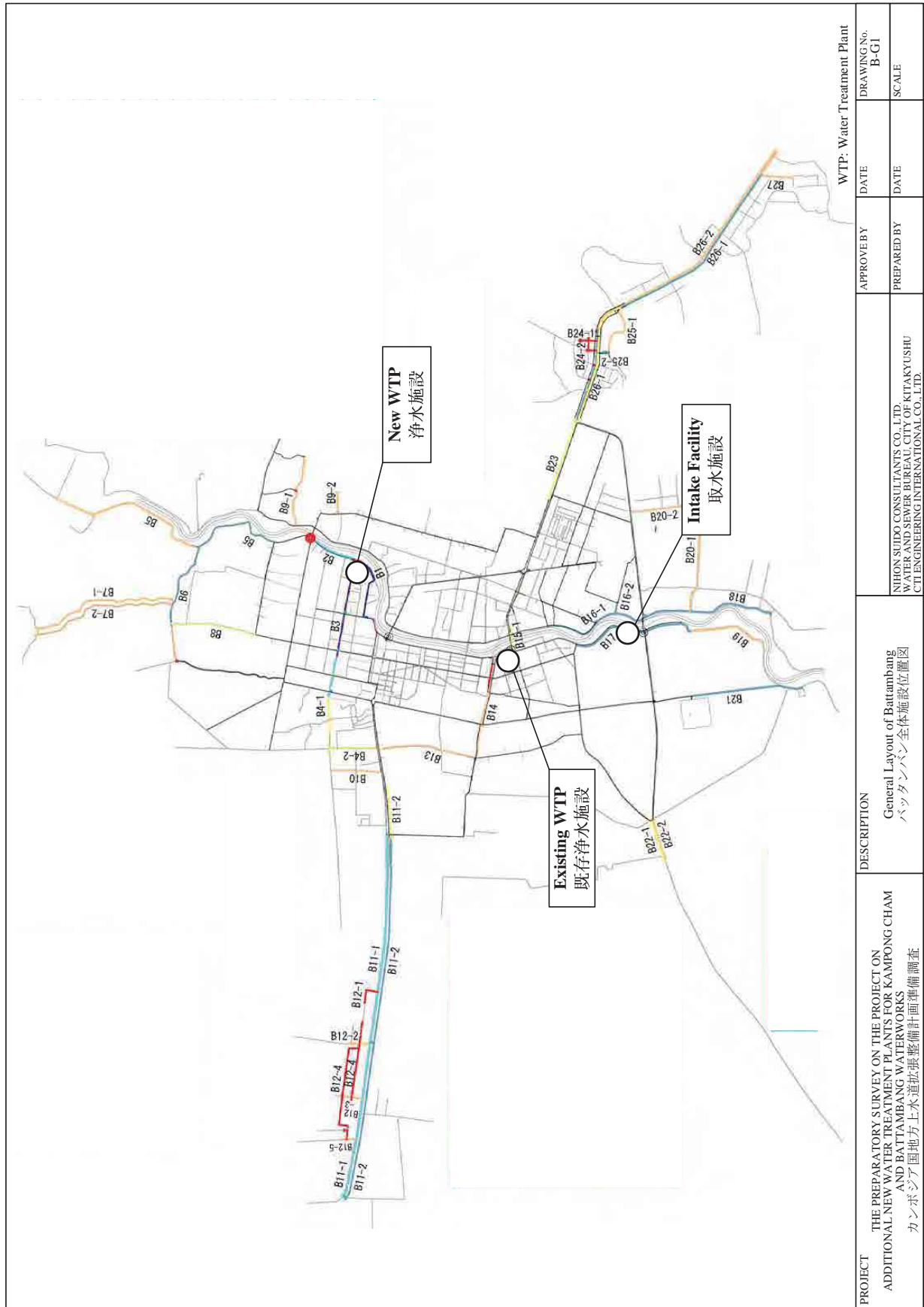
Enlarged



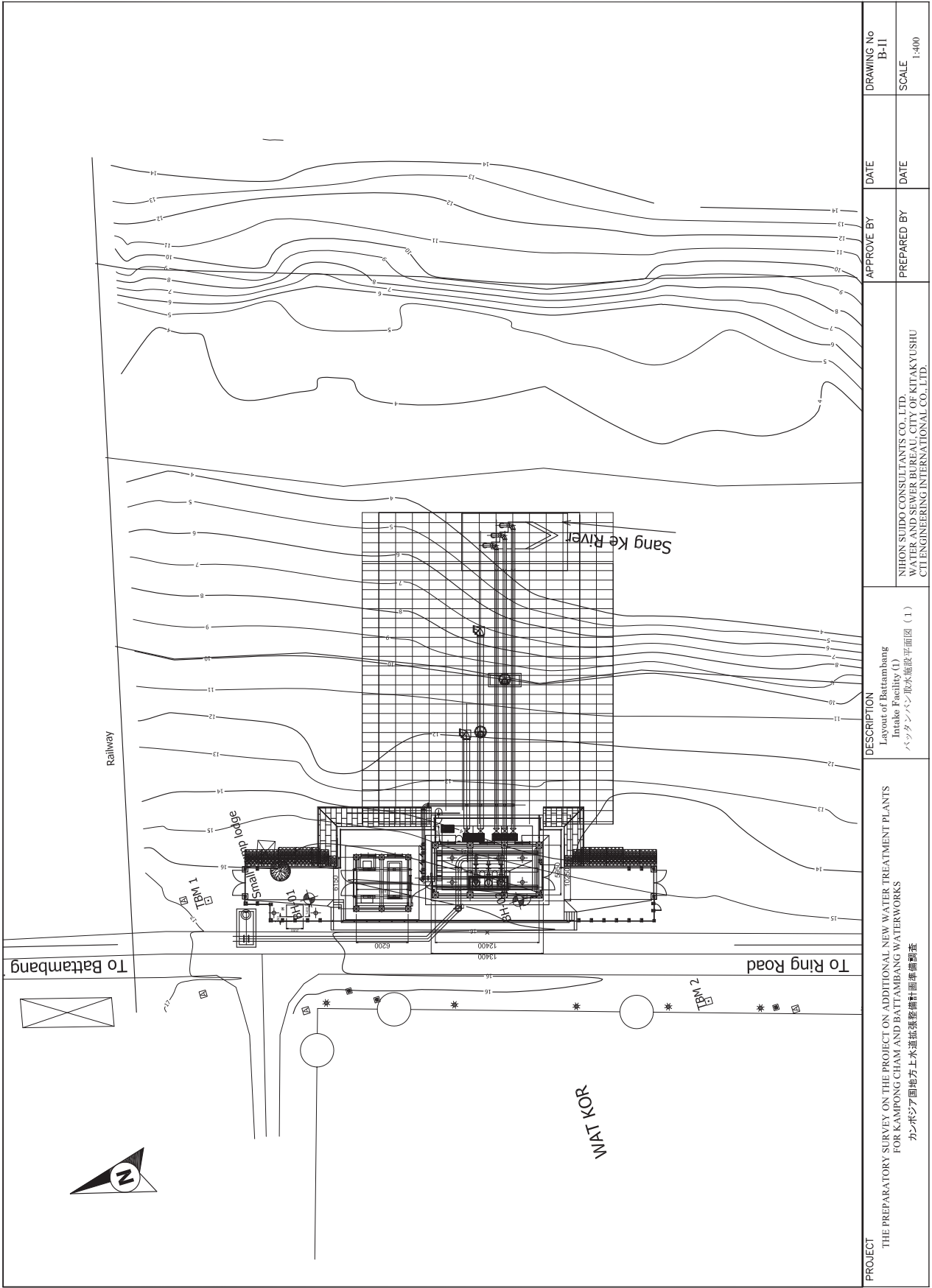
Section ①-①



PROJECT	DESCRIPTION	APPROVE BY	DATE	DRAWING No
THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア即地方上水道拡張整備計画準備調査	Standard Drawing for Flow Meter Chamber	PREPARED BY	DATE	K-D22
				SCALE

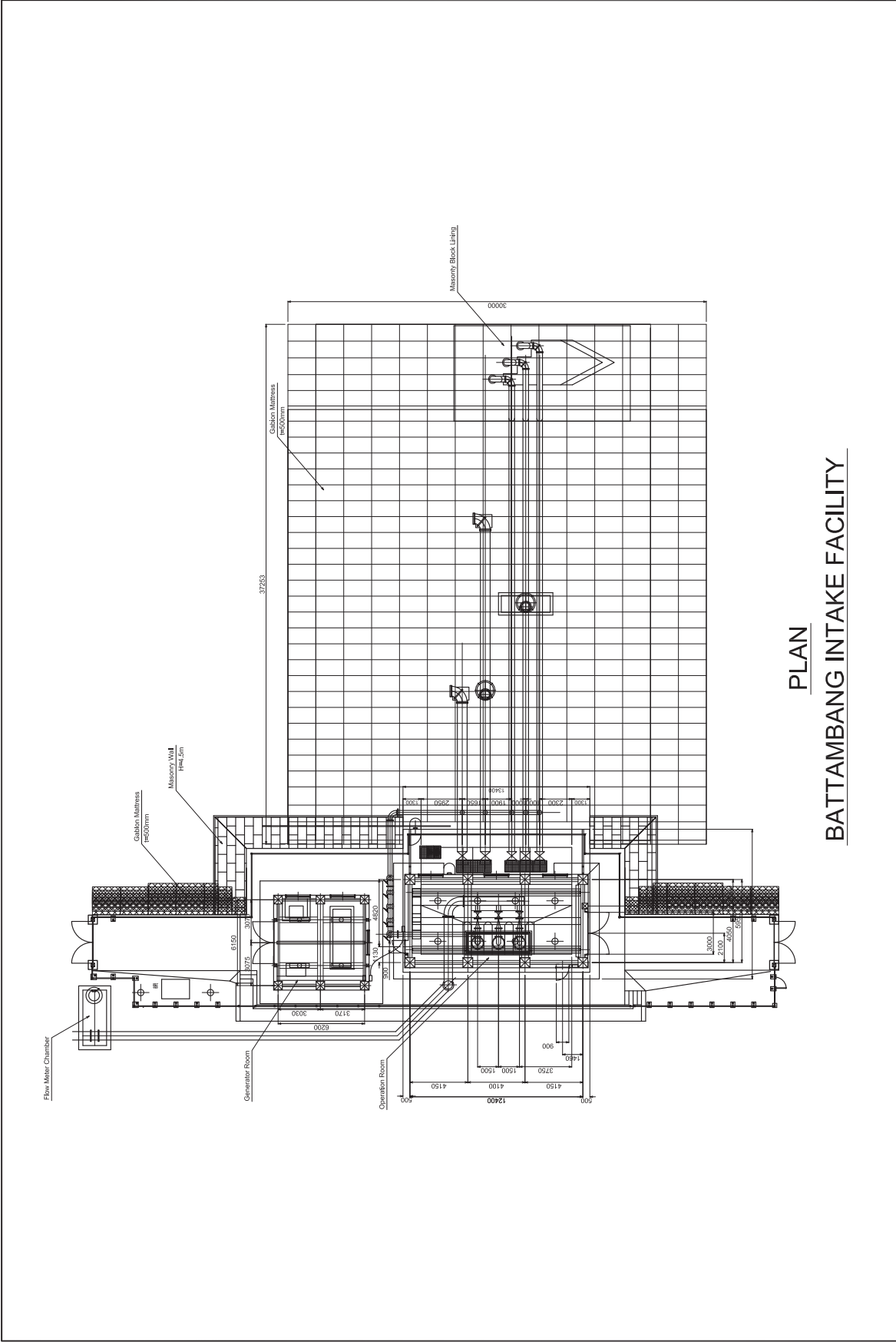


PROJECT		DESCRIPTION		WTP: Water Treatment Plant	
THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア 国地方上水道拡張整備計画準備調査		General Layout of Battambang Waterworks バットアンバン全体施設位置図		APPROVE BY	DATE
		NIHON SUDO CONSULTANTS CO., LTD. WATER AND SEWER BUREAU, CITY OF MIYAKUSHU CIT ENGINEERING INTERNATIONAL CO., LTD.		PREPARED BY	DATE
					DRAWING No. B-G1
					SCALE



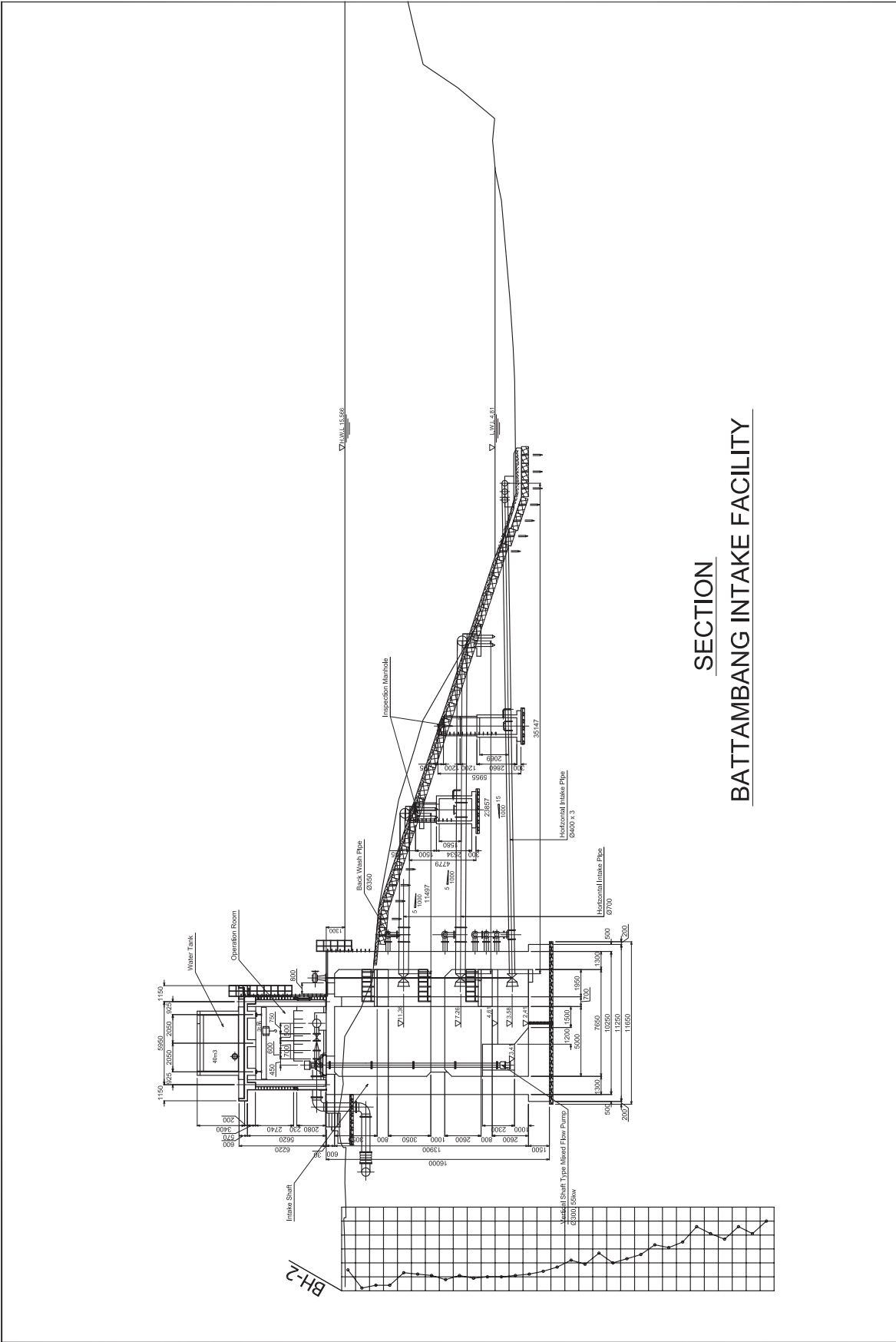
PROJECT	DESCRIPTION	APPROVE BY	DATE	DRAWING No
THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア地方上水道拡張整備計画準備調査	Layout of Battambang Intake Facility (L) バタンバン取水施設平面図 (1)			B-11
		PREPARED BY	DATE	SCALE
				1:400

NIHON SUIDO CONSULTANTS CO., LTD.
WATER AND SEWER BUREAU, CITY OF KITAKYUSHU
CTI ENGINEERING INTERNATIONAL CO., LTD.



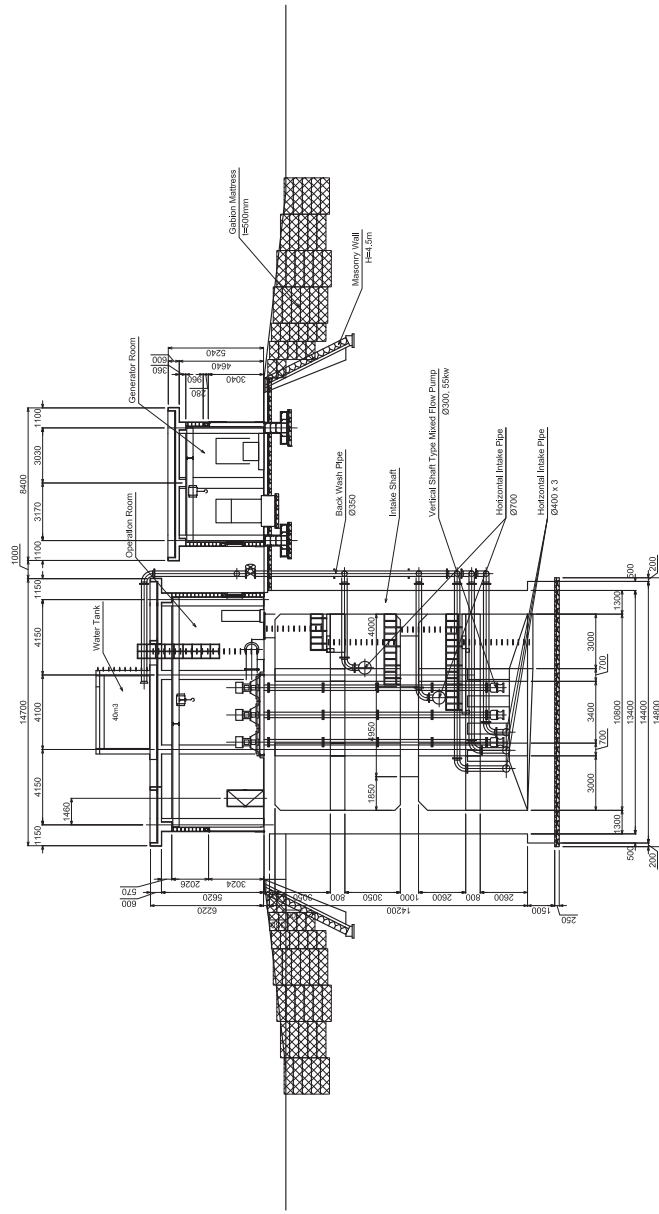
PLAN
BATTAMBANG INTAKE FACILITY

PROJECT	THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア国地方上水道拡張整備計画準備調査	DESCRIPTION	Layout of Battambang Intake Facility (2) バタンバンタン取水施設平面図 (2)	APPROVE BY	DATE	DRAWING No
				PREPARED BY	DATE	SCALE
				NIHON SUDO CONSULTANTS CO., LTD. WATER AND SEWER BUREAU, CITY OF KITAKYUSHU CTI ENGINEERING INTERNATIONAL CO., LTD.		
				B-12 1:250		



SECTION BATTAMBANG INTAKE FACILITY

PROJECT	DESCRIPTION	APPROVE BY	DATE	DRAWING No
THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア国地方上水道拡張整備計画準備調査	Section View of Battambang Intake Facility バタンバン取水施設構断面図 (1)			B-13
		PREPARED BY	DATE	SCALE
				1:250



FRONT
BATTAMBANG INTAKE FACILITY

PROJECT THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア即地方上水道拡張整備計画準備調査	DESCRIPTION Front View of Battambang Intake Facility バンタンバン取水施設構造断面図 (2)	APPROVE BY	DATE	DRAWING No B-14
		PREPARED BY	DATE	SCALE 1:250