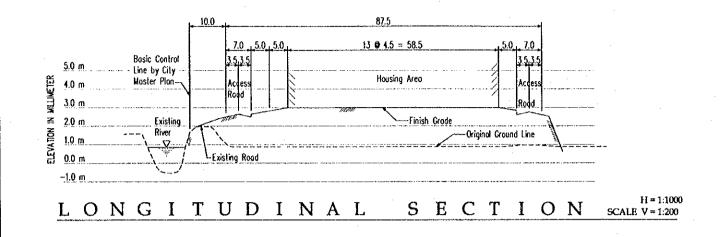


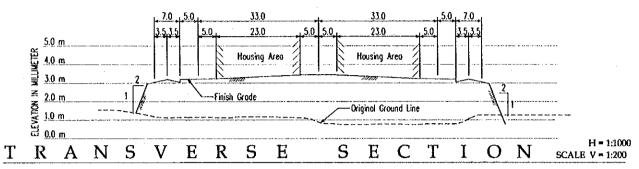
MATERIAL AND EQUIPMENT LIST

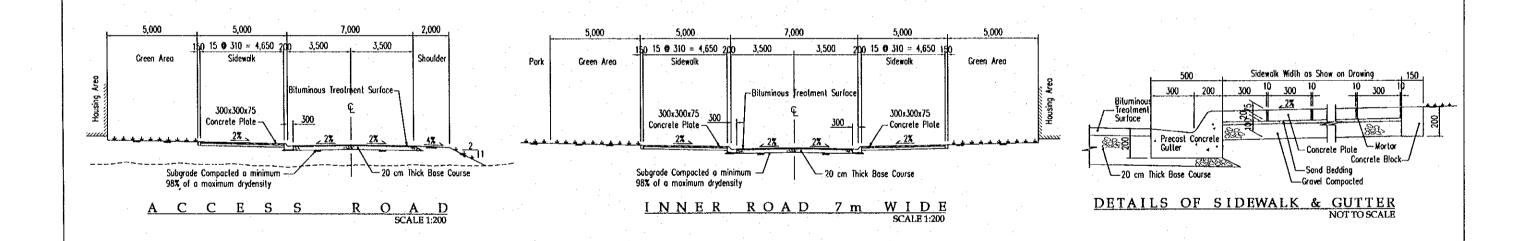
No	Symbol	items	SPECIFICATIONS	UNIT	AMOUNT
1	0	Tapered round concrete electric column	9m length	column	18
2	0	Street lamp, gear, methacrylate bowl	HPS-150W IP55	set	18
3		Electric column foundation	As in the abouth drawing	foun.	18
4	d∑b Tı	Outdoor transformer station with accessories	250KVA 22-15/0,38-0.22 KV	station	1
5		High voltage underground cable	XLPE/DTA/PVC-24KV-3x50+1x25	metre	102
6		Low voltage arial cable (Cooper conductor)	ABC-0.6/1KV-3x50+1x25	metre	445
7		Low voltage arial cable (Cooper conductor)	ABC-0.6/1KV-2x16	metre	115
8		Low voltage arial cable (Cooper conductor)	ABC-0.6/1KV-1x16	metre	445
9		PVC pipe	Ø100	metre	98

ELECTRICAL DISTRIBUTION PLAN

PROJECT NAME IMPLEMENTATION AGENCY JICA STUDY TEAM PREPARED BY CHECKED BY APPROVED BY
BUTKY THUY BUTKY THUP M. FUTKANA
UMAY **EXECUTING AGENCY** DRAWING TITLE DWG NO. DETAILED DESIGN OF JAPAN INTERNATIONAL SOCIALIST REPUBLIC OF VIET NAM NAME ELECTRICAL DISTRIBUTION PLAN THE CAN THO BRIDGE 13/28 COOPERATION AGENCY MINISTRY OF TRANSPORT (MOT) NIPPON KOEI CO.,LTD. SIGNATURE CONSTRUCTION PROJECT (CHAU THANH) (JICA) MY THUAN PROJECT MANAGEMENT UNIT

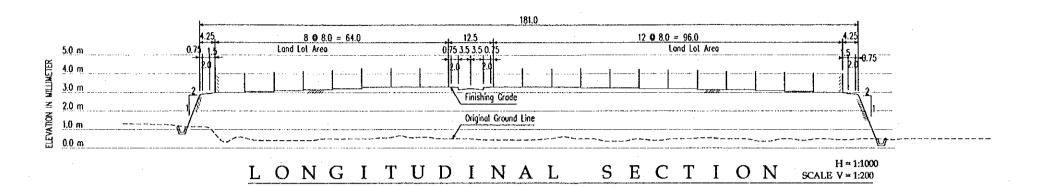


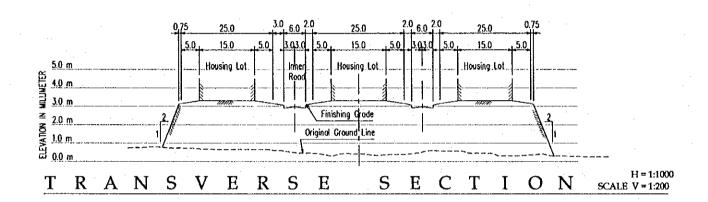


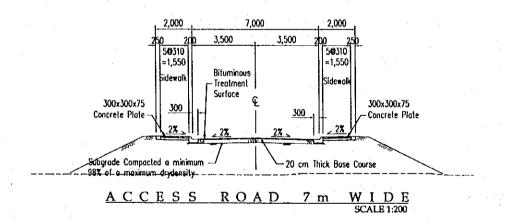


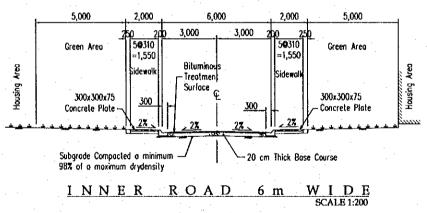
TYPICAL SECTIONS, ROAD CROSS SECTIONS & DETAILS

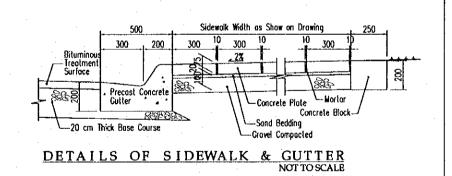
					garage and a second of the control o				
PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF	JAPAN INTERNATIONAL	SOCIALIST REPUBLIC OF VIET NAM	8	NAME	VOHY HAL	M. FUJKAWA	H. FUJIKAMA	TYPICAL SECTION, ROAD CROSS	14/00
THE CAN THO BRIDGE CONSTRUCTION PROJECT	COOPERATION AGENCY	MINISTRY OF TRANSPORT (MOT)	(NK) NIPPON KOEI CO.,LTD.	SIGNATURE	HALL	NI	17.72	SECTION & DETAILS (HUNG PHU)	14/20
CONSTRUCTION PROJECT	(JICA)	MY THUAN PROJECT MANAGEMENT UNIT	\sim	DATE	1 4,4,2000	C5/C4/2006	05/04/2000		











TYPICAL SECTIONS, ROAD CROSS SECTIONS & DETAILS

SCALE AS SHOWN

PROJECT NAME
DETAILED DESIGN OF
THE CAN THO BRIDGE
CONSTRUCTION PROJECT

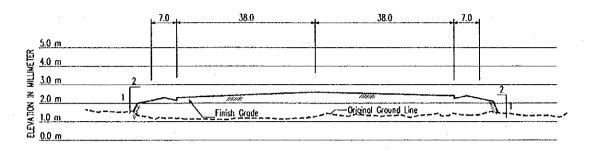
J	ICA STUDY TEAM
(8)	NIPPON KOEI CO.,LTD.

	PREPARED BY		
NAME	VOHY HAI	H. FUJIKAWA	M.FUJIKIWI
SIGNATURE	Muc	11.00	Lin
DATE	4.4.2000	c5/c4/2000	US/04/2000

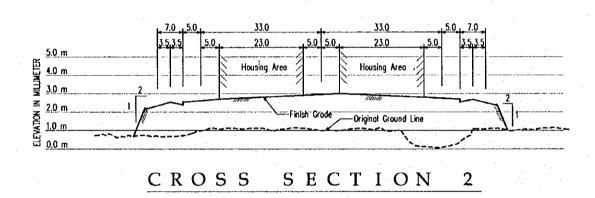
DRAWING ITTLE								
TYPICAL	SECTION,	ROAD	CROSS					
SECTION &	DETAILS	(CHAU	THANH)					

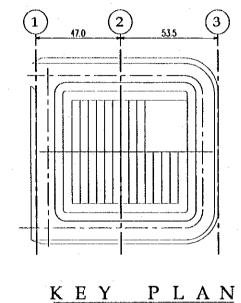
DWG NO.

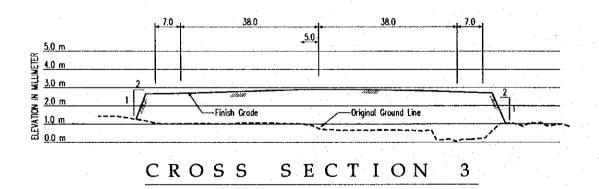
15/28



CROSS SECTION







H = 1:1000C R O S S SECTIONS **SCALES** V = 1: 200

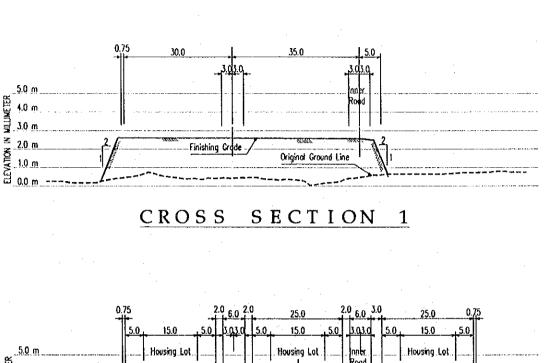
PROJECT NAME DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT

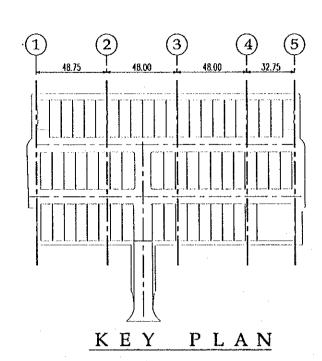
IMPLEMENTATION AGENCY JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

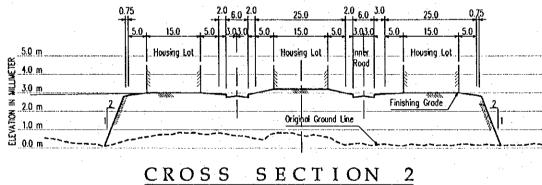
EXECUTING AGENCY SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT JICA STUDY TEAM NIPPON KOEI CO.,LTD.

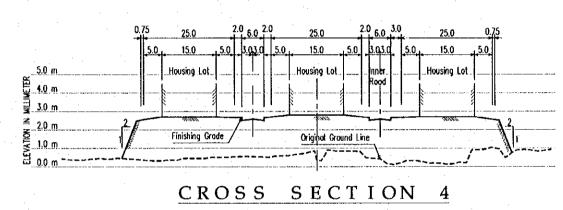
PREPARED BY CHECKED BY APPROVED BY VOHYHAI VCHYHAI M.FUJKAMA NAME SIGNATURE DATE 4.4.2000 4.4.2000 cs/4/2000

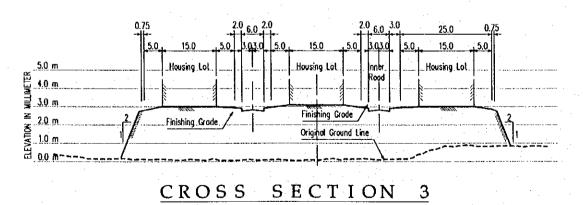
DRAWING TITLE CROSS SECTIONS (HUNG PHU) DWG NO. 16/28

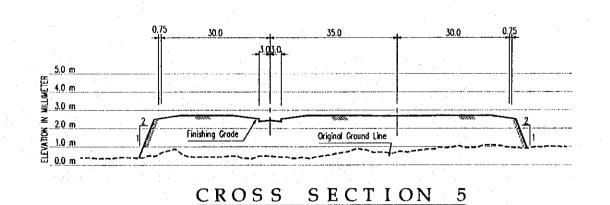












H = 1:1000

CROSS SECTIONS

SCALES V = 1: 200

PROJECT NAME
DETAILED DESIGN OF
THE CAN THO BRIDGE
CONSTRUCTION PROJECT

IMPLEMENTATION AGENCY
JAPAN INTERNATIONAL
COOPERATION AGENCY
(JICA)

EXECUTING AGENCY
SOCIALIST REPUBLIC OF VIET NAM
MINISTRY OF TRANSPORT (MOT)
MY THUAN PROJECT MANAGEMENT UNIT

JICA STUDY TEAM

NIPPON KOEI CO.,LTD.

PREPARED BY CHECKED BY APPROVED BY

NAME VO HY HAI MINIMANA HI FITHERWY

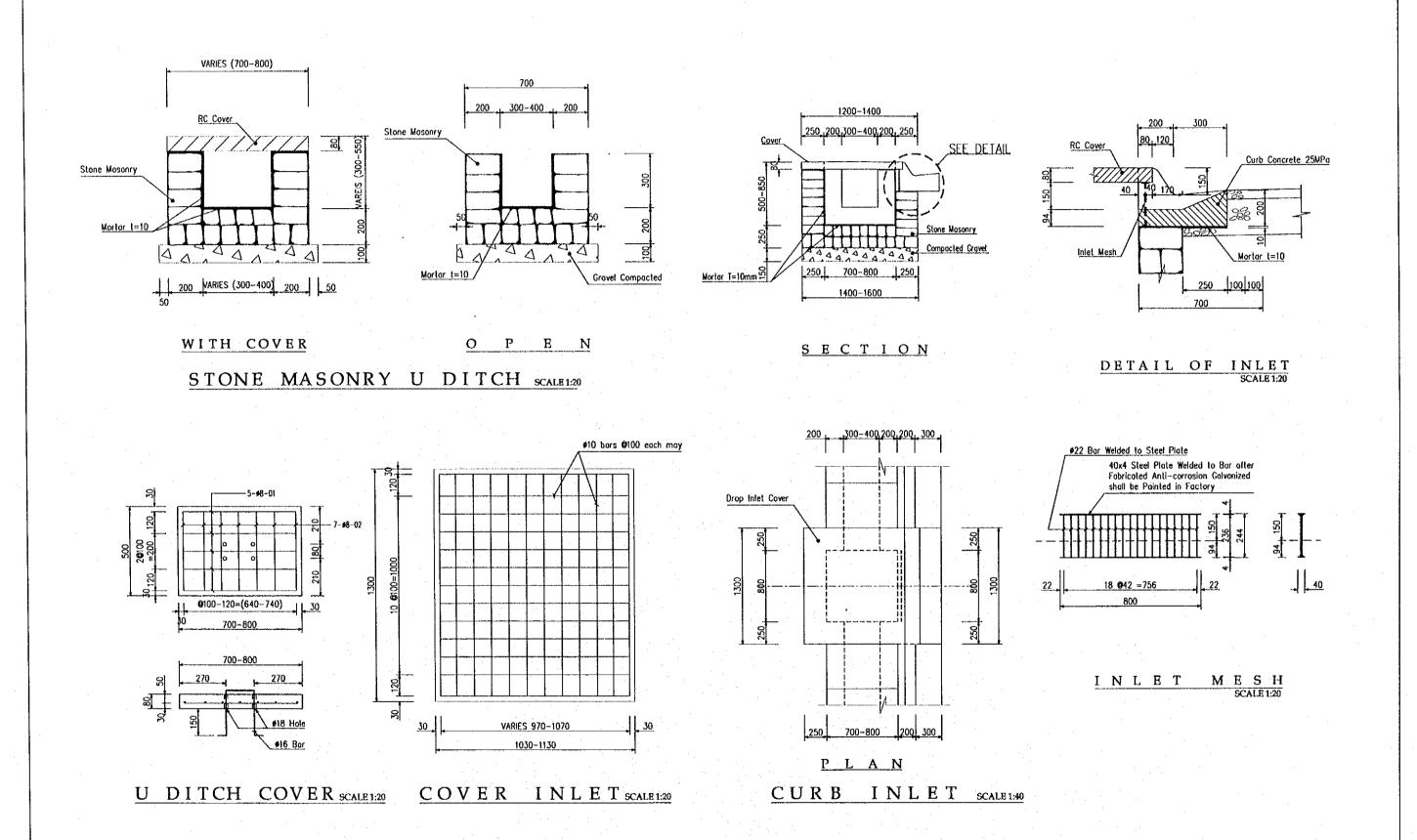
SIGNATURE HALL HITCH AFTER

DATE 4, 4, 2000 w/c4/2000 cs/t4/2000

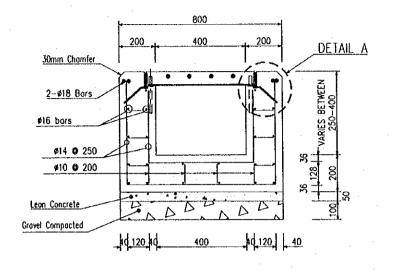
CROSS SECTIONS (CHAU THANH)

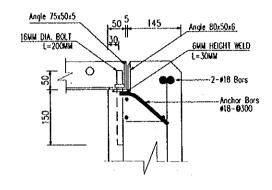
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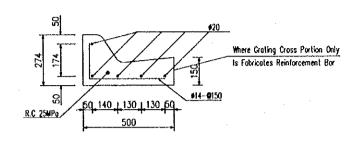
DWG NO. 17/28



PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY CHECKED B	Y APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME SIGNATURE DATE	VO HY HAI NG YAN SRUM HELL THE 4.4.2000 04/04/201	W asturization	DETAILED OF DRAINAGE STRUCTURE - U TYPE DITCH	18/28



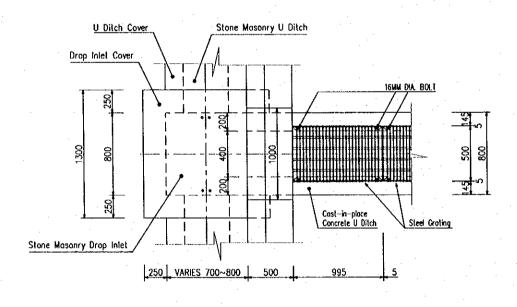


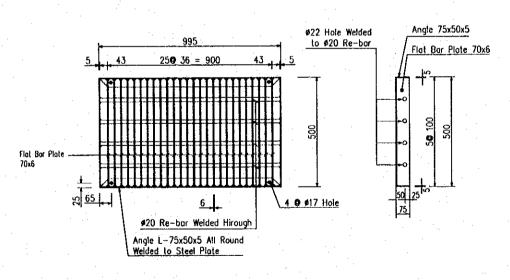


CONCRETE U DITCH SCALE 1:20

DETAIL A SCALE 1:10

CONCRETE CURB DETAIL SCALE 1:20



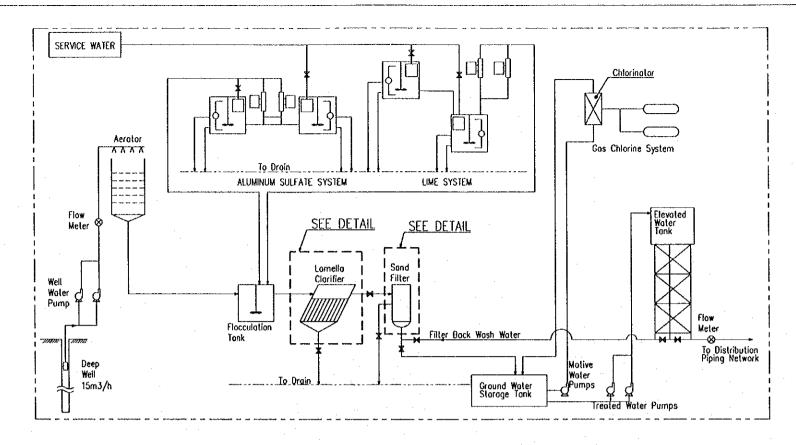


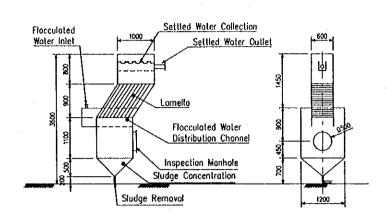
P L A N SCALE 1:40

GRATING SCALE 1:20

STEEL GRATING COVER U DITCH

PROJECT NAME IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT JAPAN INTERNATION AGENCY (JICA)		NIPPON KOEI CO.,LTD.	NAME SIGNATURE DATE	164 4.4.2000	NG VAN TRUMG THE 04/04/2500	H.FUJIKAWA	DETAILED OF DRAINAGE STRUCTURE U-TYPE GRATING COVER	19/28

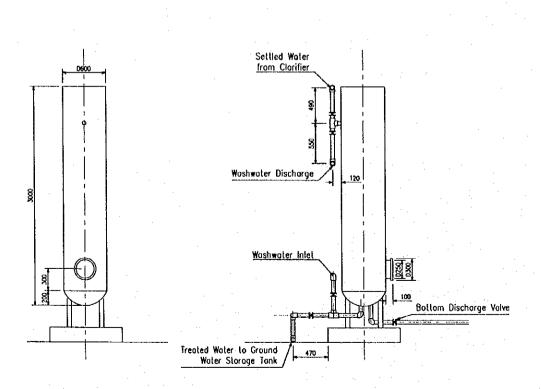




LAMELLA CLARIFIER

SCALE 1:100

WATER TREATMENT PLANT DIAGRAM NOT TO SCALE



ON PHYSICAL - CHEMICAL ASPECTS (The temporary criteria issued according to the Decision 505 BYT dated 13.4.1992)

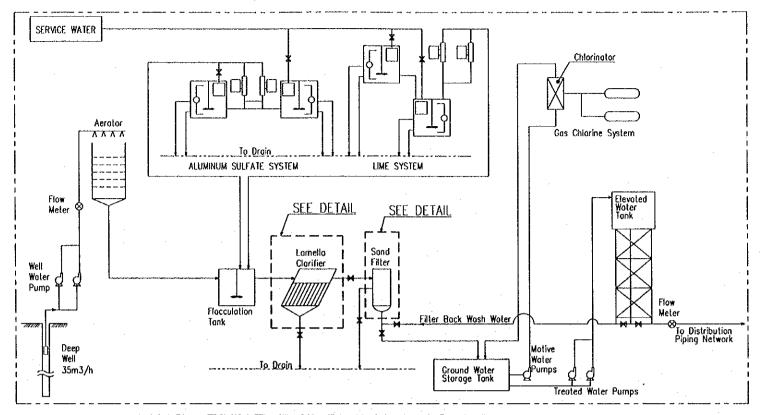
No	Parameter	Unit	Urban Area	Country Side
1	Clearness Sneller	cm	> 30	> 25
2	Color	degree	< 10	< 10
3	Odour, taste	point	0	0
4	Suspended solid	mg/l	5	20
5	Total dry solid	mg/i	500	1000
6	рH	•	6.5 - 8.5	6.5 - 8.5
7	Hardness	mg/i	500	500
8	Chlorides			
	- Coastal area	mg/1	400	500
	- Inland	mg/l	250	250
.8	Oxidation (Organic)	mg/l	0.5 - 0.2	2.0 - 4.0
10	Ammonium			
	- Surface water	mg/l	0	0 .
	- Ground water	mg/l	3	3
11	Nitrites (NO2)	mg/l	. 0	0
12	Nitrates (NO3)	mg/l	10	10
13	Aluminum (Ai)	mg/t	0.2	0.2
14	Copper (Cu)	mg/l	1	1
15	Iron (Fe)	mg/l	0.3	0.5
16	Manganese (Mn)	mg/t	0.1	0.1
17	Sodium (Na)	ıng/i	200	200
18	Sulfates (SO4)	mg/i	400	400
19	Zinc (Zn)	mg/i	5	5
20	Hydrogen Sulfide (S)		0	0

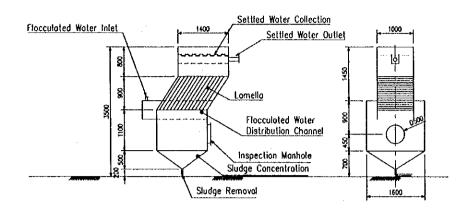
ON MICROBIOLOGICAL AND CREATURAL ASPECTS

Othor for	ON MICKOSTOLOGICAL A Imporary criteria Issued according to the			
No	Parameters	Unit	Value	Remark
1	MICROBIOLOGICAL CRITERIA	OIIK.	Value	Hollan
	A. Water supply by piping system			
	1. Treated water in network			Turbidity 1 NTU
	- Faecal coliforms/100ml		٥	Desinffection with
1	- Factor contesting room		`	Chlorine, pH=8.0
	- Coliforms Organisms/100ml		ا ا	Contacting time 30 min. and
				residual chlorine 0.2-0.5 mg/i
	2. No treatment performed in network			
	- Faecal coliforms/100ml		١٥	With 98% admissible
			1	samples a year
	- Coliforms Organisms/100mi		< 3	Occasionally
	3. Water in network			, , , , , , , , , , , , , , , , , , ,
	- Faecal coliforms/100ml		0	With 98% admissible
	·			samples a year
	- Coliforms Organisms/100ml		< 3	Occasionally
	B. Water supplied without piping system			·
i	- Faecal coliforms/100ml		0	Not often. And if it is often
	- Coliforns Organisms/100ml		10	a sanitary check & water
			l	source protection measure-
١.	•			ment should be taken
1	C. Bottled water		1	
1	- Faecal coliforms/100ml		0	·
	- Coliforms Organisms/100ml		0	
	D. Emergency water supply system		١.	
	- Faecal coliforms/100ml		0	in case of emergency water
<u> </u>	- Coliforms Organisms/100ml		0	should be boiled
11	CREATURAL CRITERIA		_	
	- Protozoa		0	
	- Helminths		0	
l	- Zoo plankton & algae	ļ		L

SAND FILTER TANK SCALE 1:50 WATER TREATMENT REQUIREMENT FOR DRINKING WATER

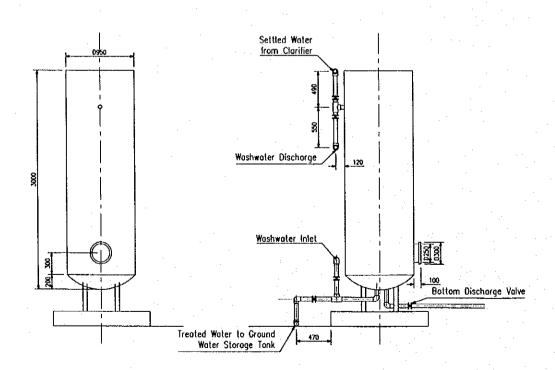
PROJECT NAME IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY	CHECKED BY APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME SIGNATURE DATE	VO HY HAL 1400 4.4.2000	TRAN-R-CU M. FIJIKAMA buard 4. fr.	DETAILED OF WATER TREATMENT DIAGRAM (HUNG PHU)	20/28





LAMELLA CLARIFIER SCALE 1:100

WATER TREATMENT PLANT DIAGRAM NOTTO SCALE



ON PHYSICAL - CHEMICAL ASPECTS

(The temporary criteria issued according to the Decision 505 BYT dated 13.4.1992) Parameter Unit No Urban Area Country Side Cleamess Sneller > 30 > 25 2 Color < 10 < 10 degree 3 Odour, laste point 4 20 Suspended solid mg/l 5 Total dry solid mg/l 500 1000 6.5 - 8.5 6.5 - 8.5 Hardness 500 500 mg/l Chlorides 8 - Coastal area 500 mg/l - Inland 250 Oxidation (Organic) 0.5 - 0.2 2.0 - 4.0 mg/l 10 Ammonium - Surface water mg/l - Ground water 11 Nitrites (NO2) mg/l 12 Nitrates (NO3) 10 10 13 Aluminum (Al) mg/l 0.2 0.2 14 Copper (Cu) mg/l 15 Iron (Fe) 0.5 0.3 mg/l 16 Manganese (Mn) 0.1 0.1 mgn 17 Sodium (Na) mg/l 200 200 18 Sulfates (SO4) mg/l 400 400 19 Zinc (Zn) mg/f 20 Hydrogen Sulfide (S

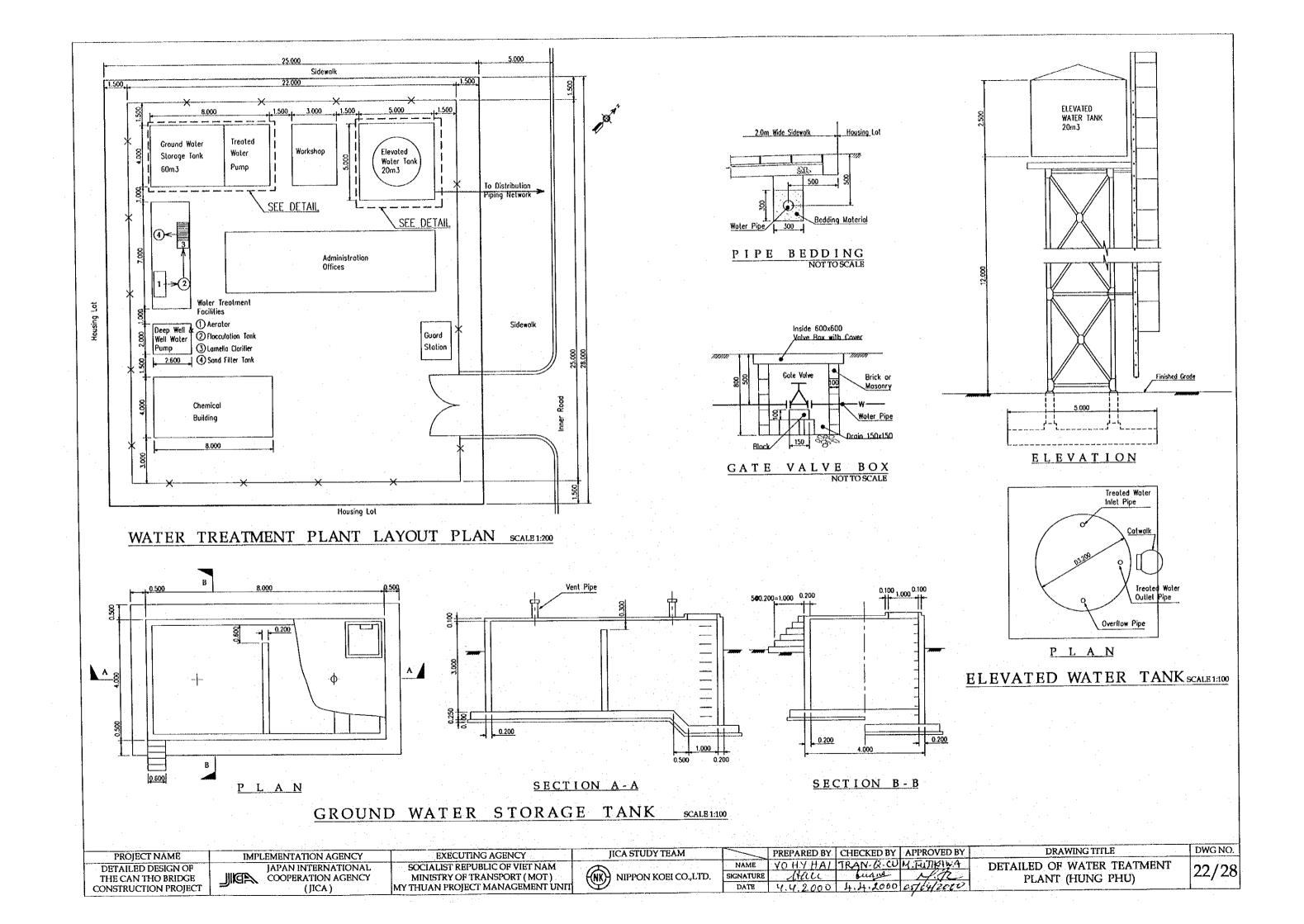
ON MICROBIOLOGICAL AND CREATURAL ASPECTS

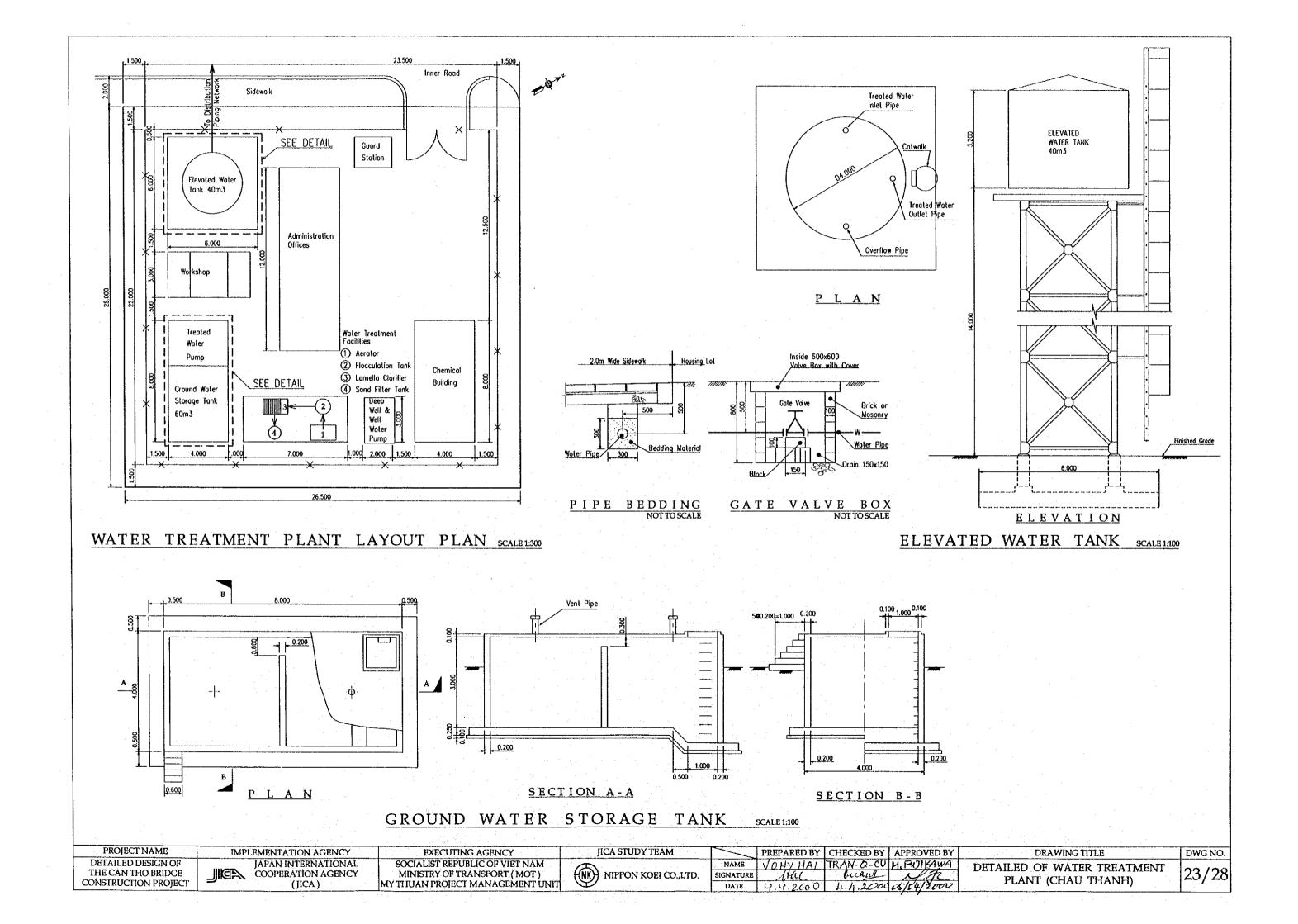
(The temporary criteria issued according to the Decision 505 BYT dated 13.4.1992) Unit Value Parameters 2 4 1 I MICROBIOLOGICAL CRITERIA A. Water supply by piping system I. Treated water in network Turbidity 1 NTU Desinffection with - Faecal coliforms/100ml Chlorine, pH=8.0 - Coliforms Organisms/100ml Contacting time 30 min. and esidual chiodne 0.2-0.5 mg/l 2. No treatment performed in network 0 With 98% admissible - Faecal coliforms/100ml samples a year - Coliforms Organisms/100ml < 3 Occasionally 3. Water in network - Faecal coliforms/100ml 0 With 98% admissible samples a year < 3 Occasionally - Coliforms Organisms/100ml . Water supplied without piping system - Faecal coliforms/100ml 0 Not often. And if it is often - Coliforns Organisms/100ml 10 a sanitary check & water source protection measurement should be taken - Faecai coliforms/100ml - Coliforms Organisms/100ml D. Emergency water supply system - Faecal coliforms/100ml In case of emergency water - Coliforms Organisms/100ml should be boiled CREATURAL CRITERIA - Protozoa - Helminths 0 - Zoo plankton & algae

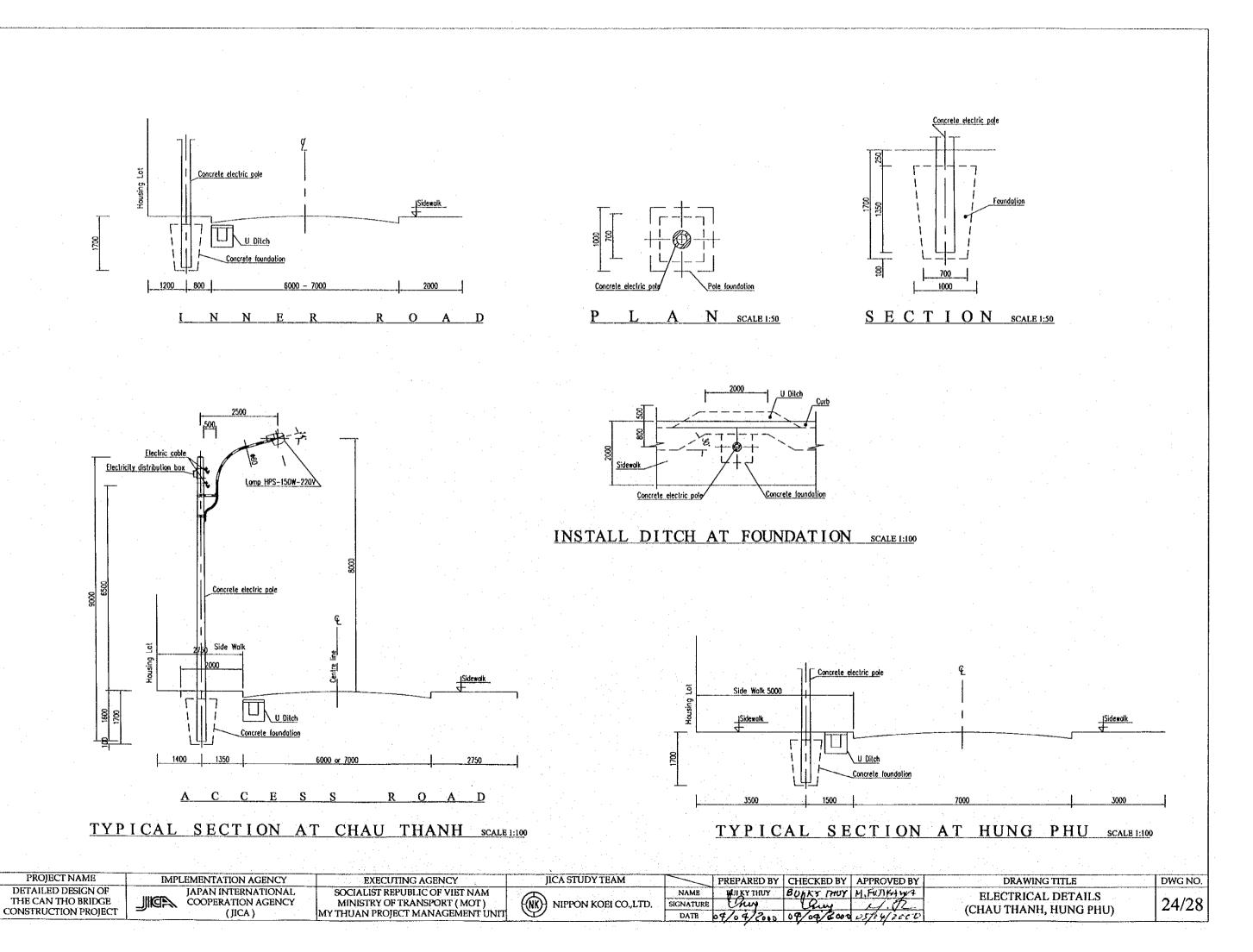
SAND FILTER TANK SCALE 1:50

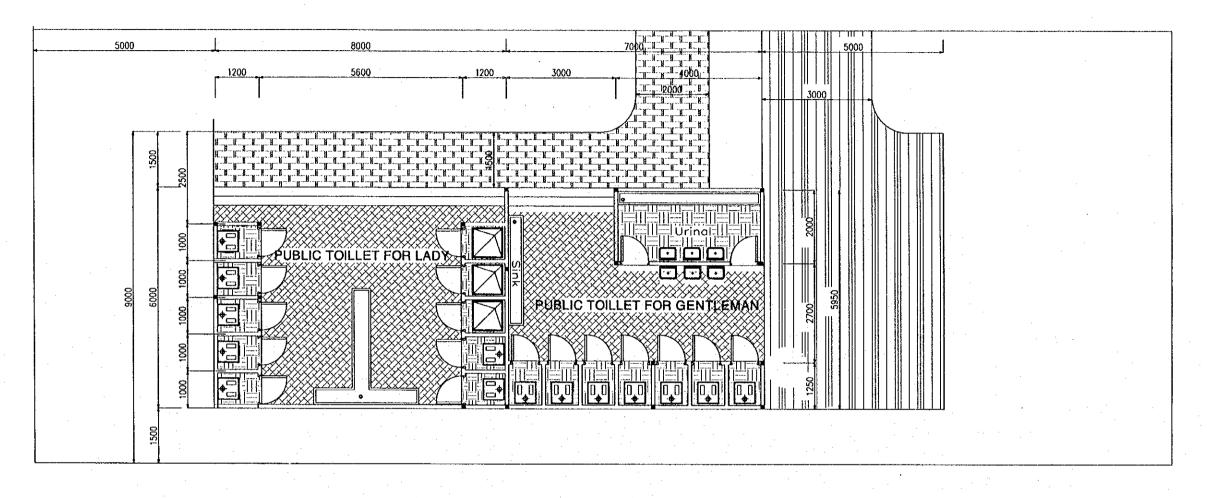
WATER TREATMENT REQUIREMENT FOR DRINKING WATER

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY CHECKED BY	APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME SIGNATURE DATE	1/40 TRAN- R-CU F 1/40 FURNE 4.4. 2000 H.H. 2000 C	4. FUJIKAWA 14. FZ 3.764/2000	DETAILED OF WATER TREATMENT DIAGRAM (CHAU THANH)	21/28

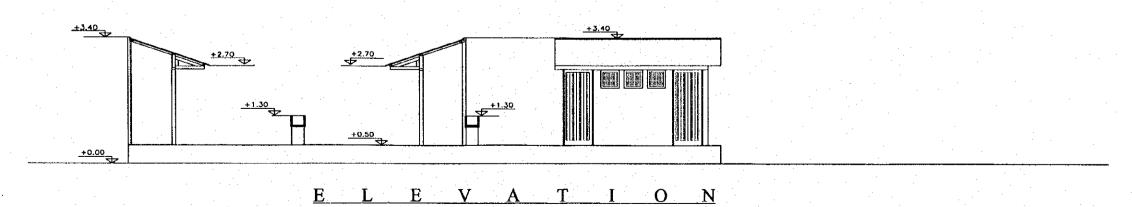






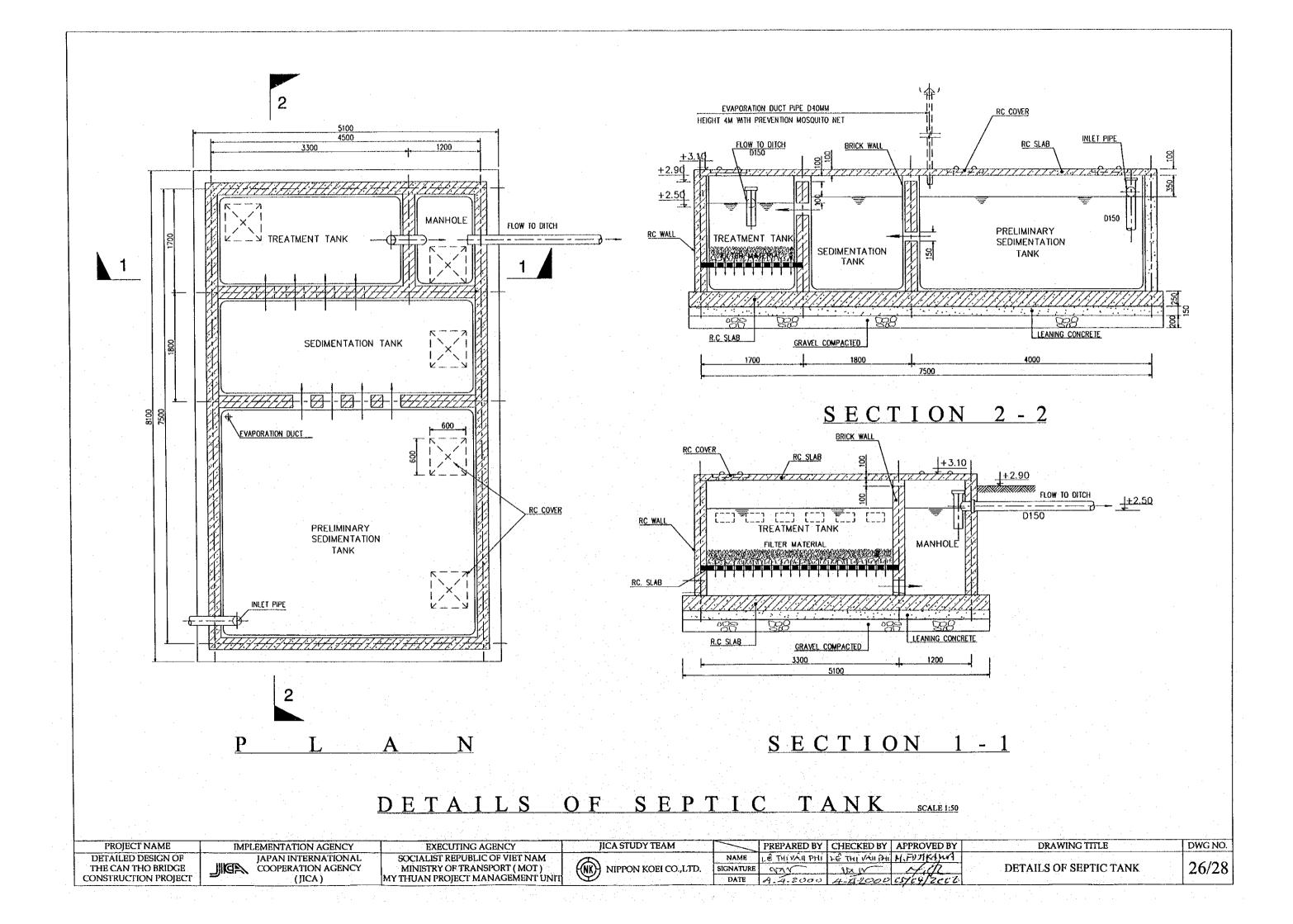


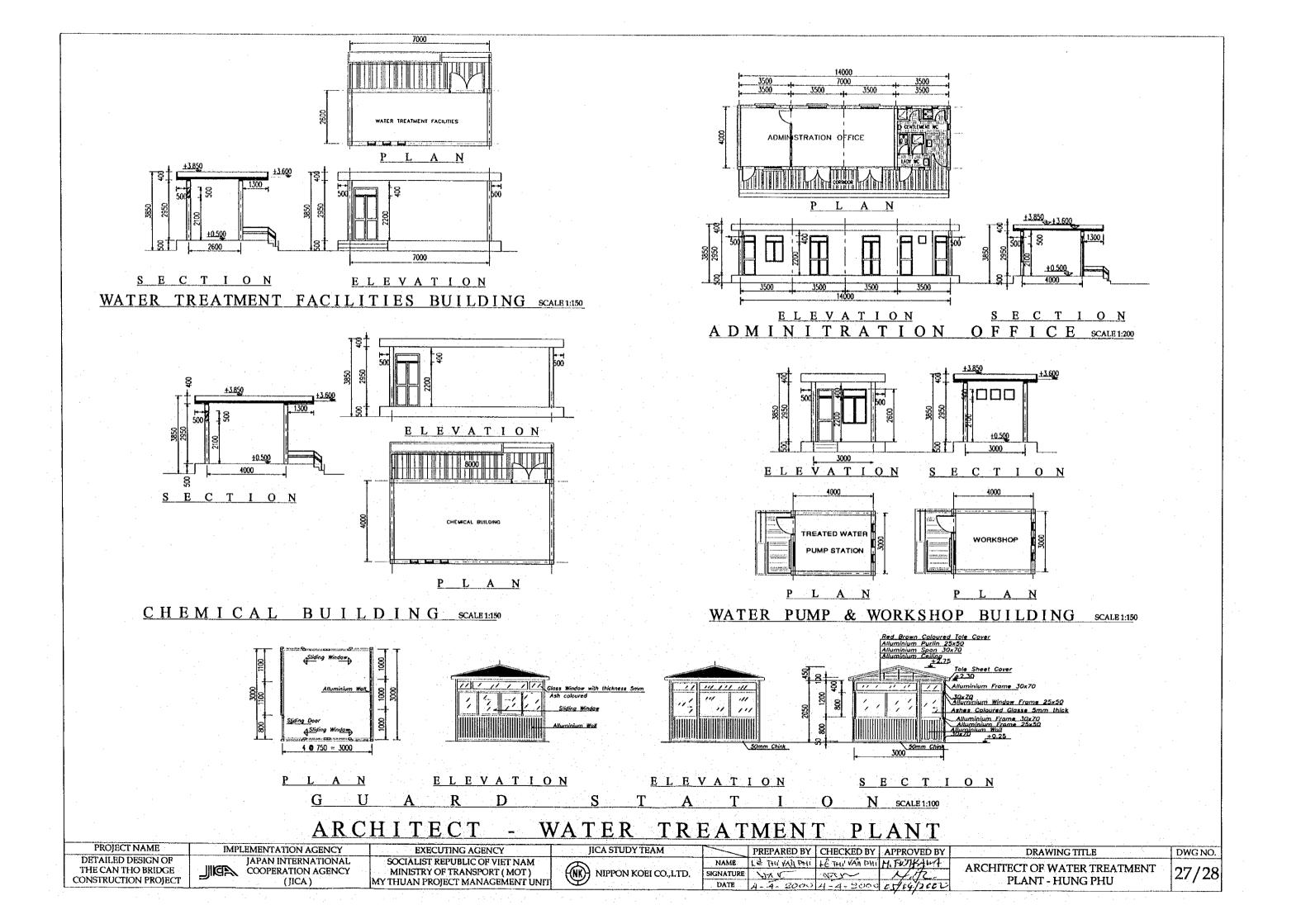
F L O O R P L A N

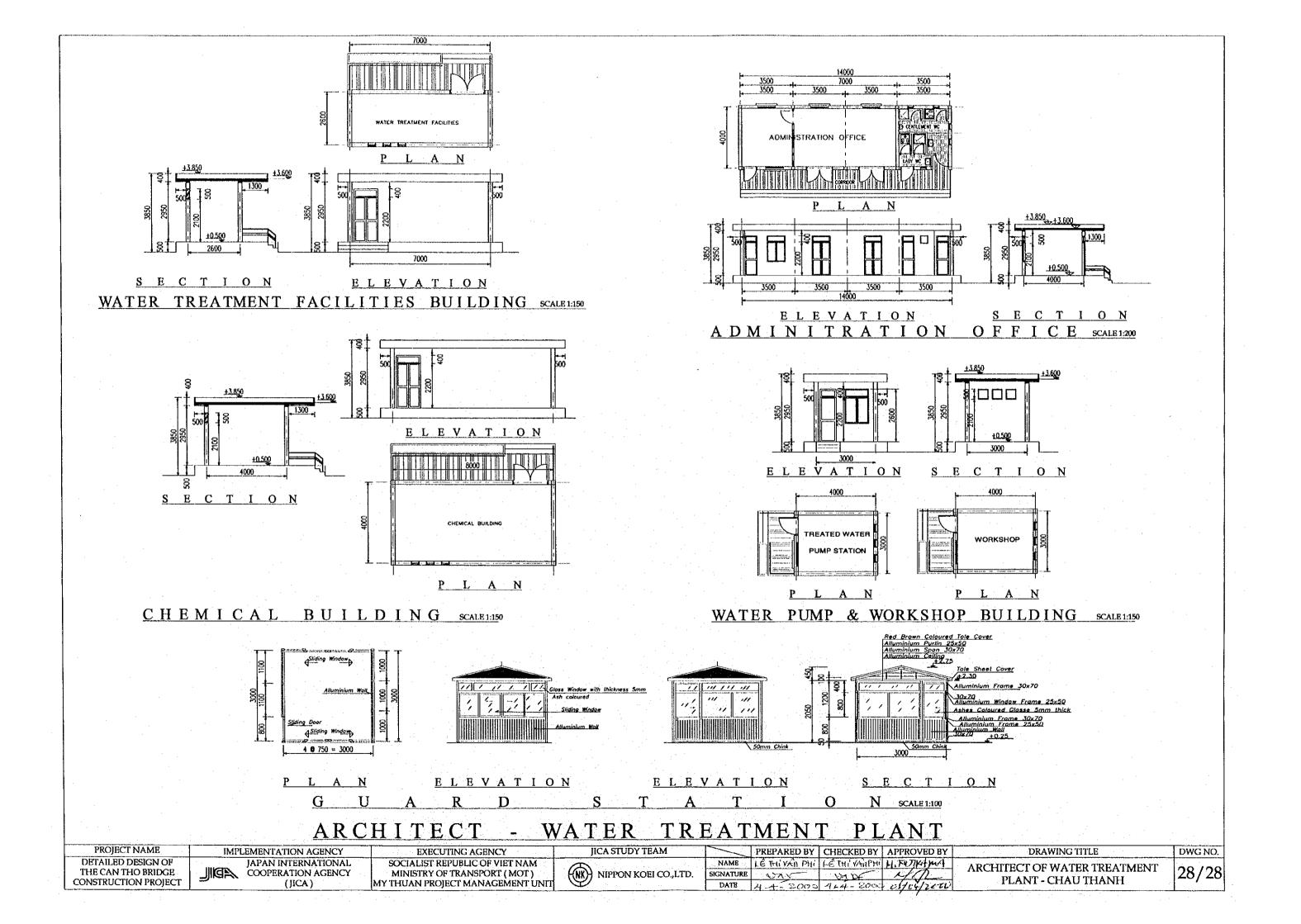


ARCHITECT - PUBLIC TOILET LAYOUT PLAN SCAL

PROJECT NAME	IMPLEMENTATION AGENCY	EXECUTING AGENCY	JICA STUDY TEAM		PREPARED BY CHECKED BY APPROVED BY	DRAWING TITLE	DWG NO.
DETAILED DESIGN OF THE CAN THO BRIDGE CONSTRUCTION PROJECT	JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	SOCIALIST REPUBLIC OF VIET NAM MINISTRY OF TRANSPORT (MOT) MY THUAN PROJECT MANAGEMENT UNIT	NIPPON KOEI CO.,LTD.	NAME SIGNATURE DATE	12 T. VAN PHI LET. VAI PHI M. FUT FAMA 970 NAL MITTE 4. 4. 2000 4. A. 2000 US/54/2000	ARCHITECT - PUBLIC TOILET FLOOR PLAN AND ELEVATION (CHAU THANH)	25/28







,这一点,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们也不会一个人,我们就会会一个人,就 第一章	

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