

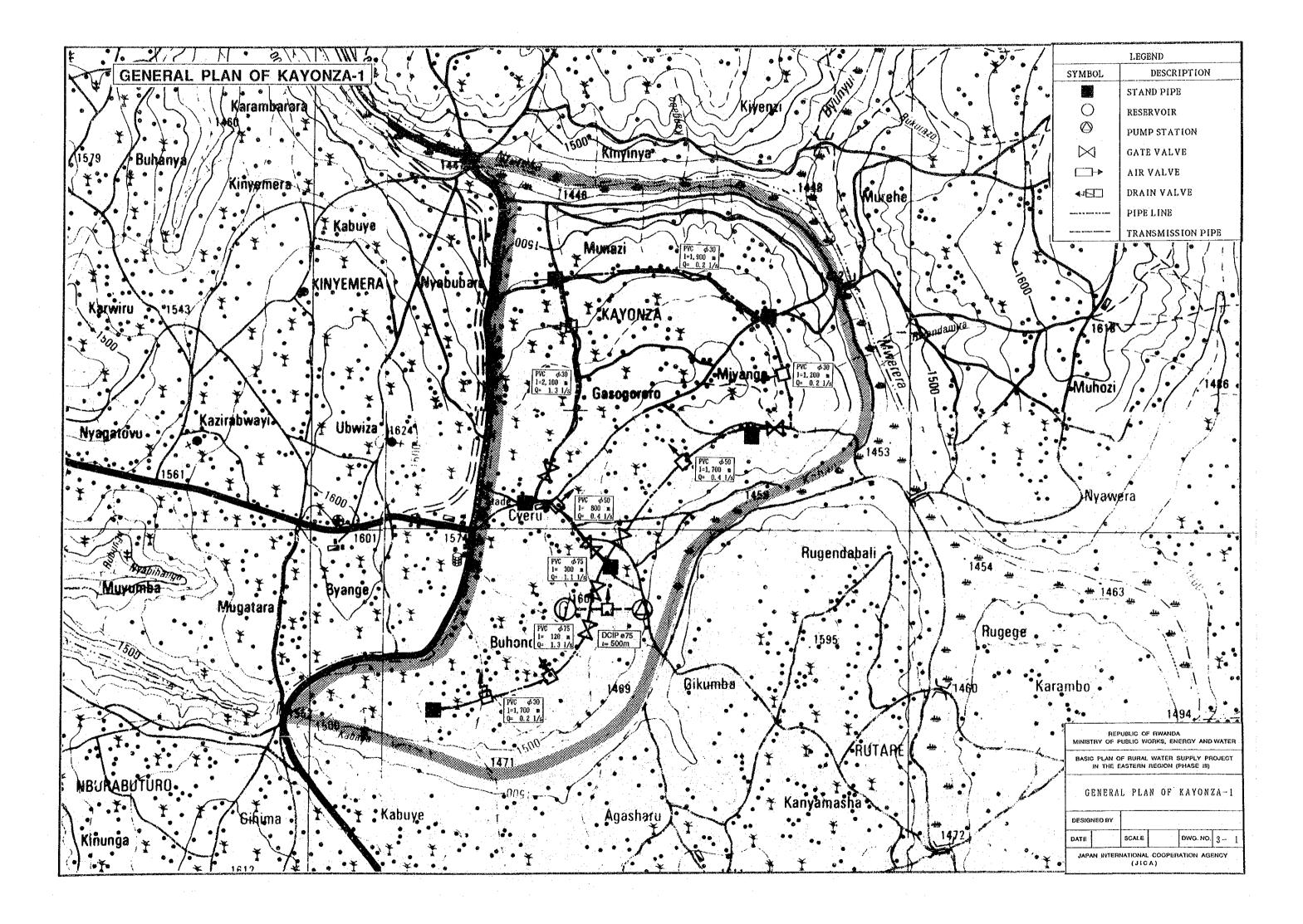
LIST OF WATER SUPPLY SCHEME FOR SYSTEM-2

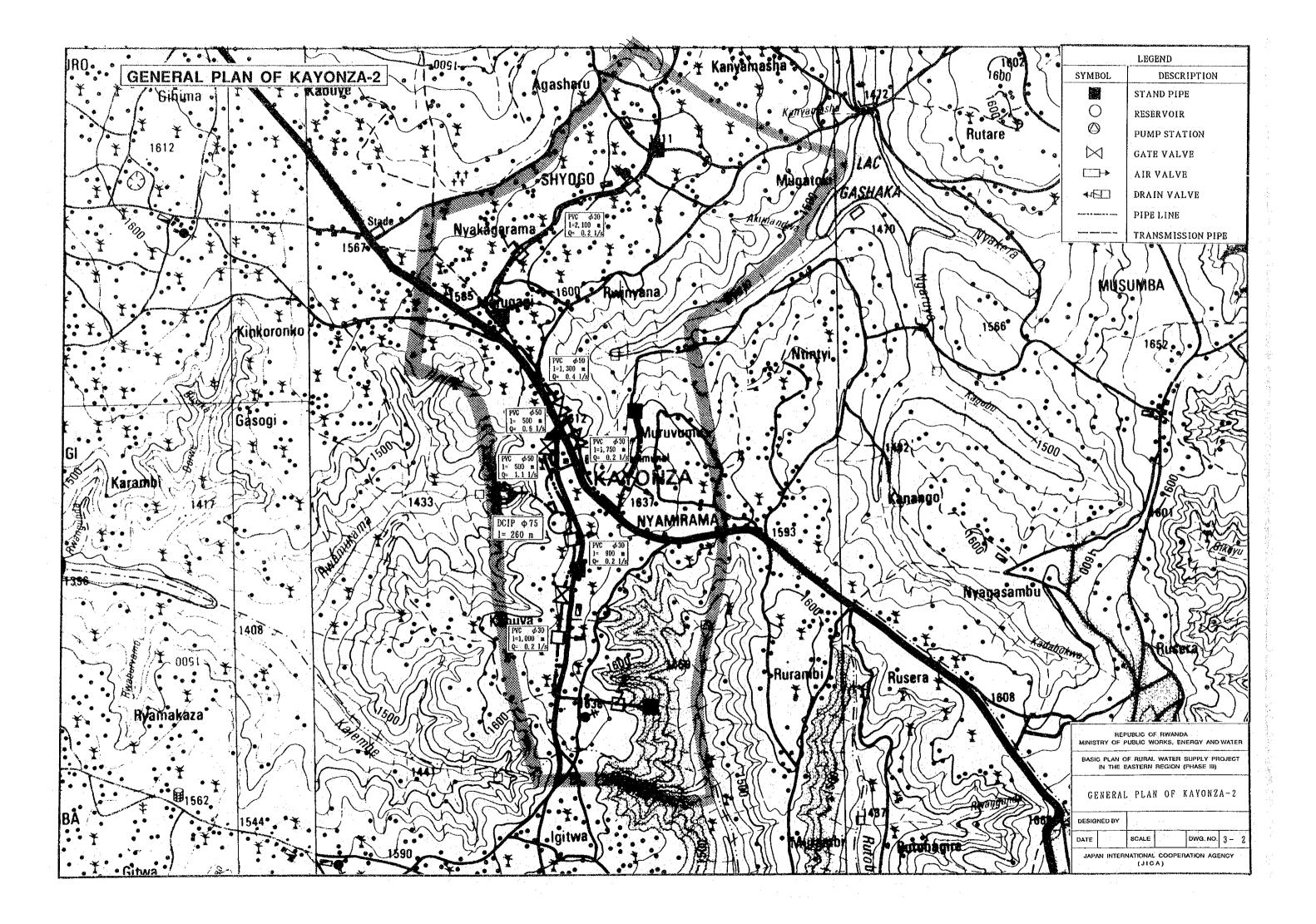
LIST OF WATER SUPPLY SCHEME FOR SYSTEM-2

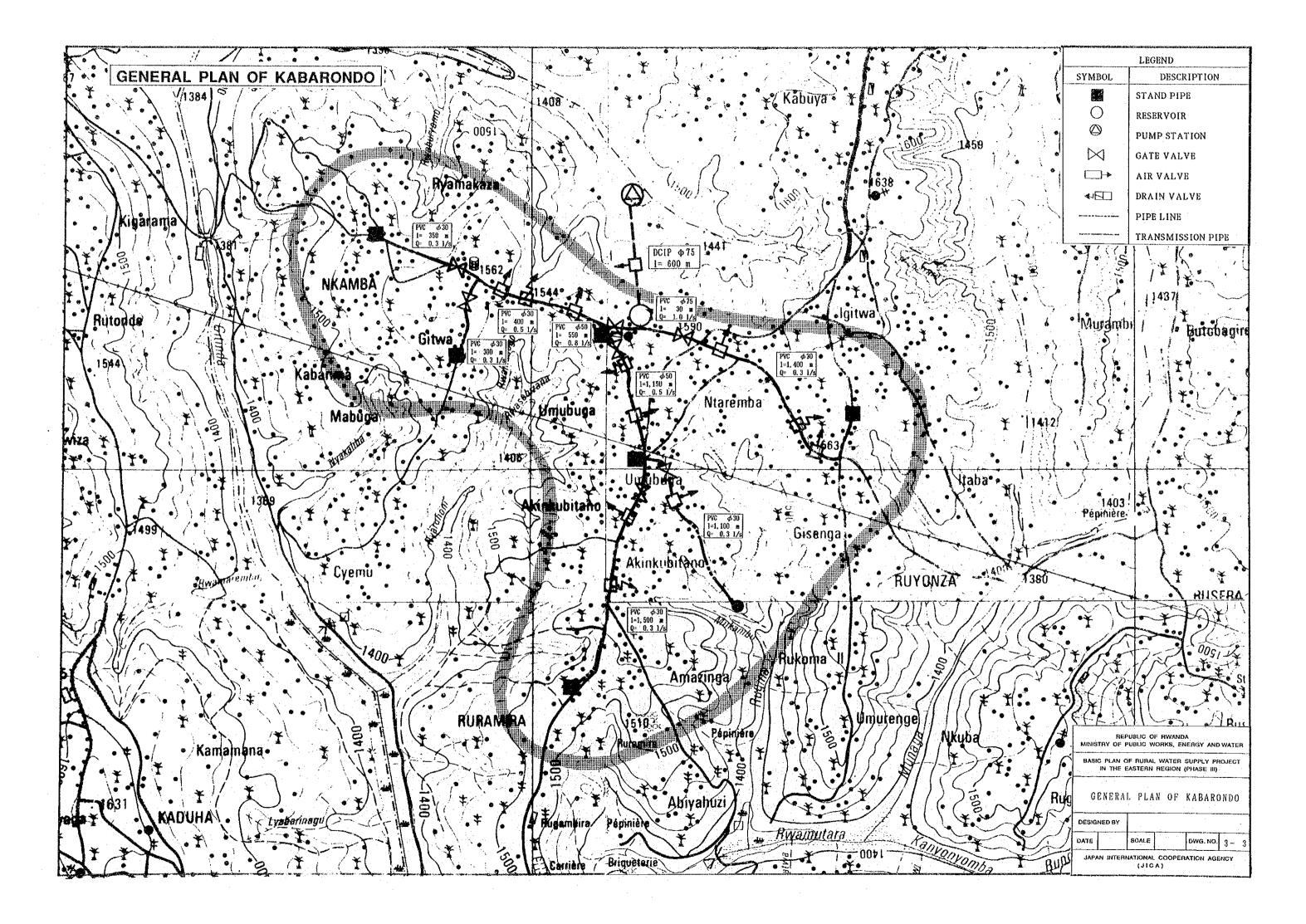
Service	In	take	Fa	cili	ties		Transmi	ssion	Res	ervo	oir 1	(ank					Distrit	oution	L.	Fac	iliti	es	:				Power	Supr	oly F	acil	itie
Blook	No.	Pum	p Fa	cili	ty	Total	DCIP	Air		(un	iit)	. :		PVC	Pipe			Air	Stand	Dra	in Va	lve	G	ate V	alve		Trans-		Gene	rato	r
Name	of		φ 40	(uni	t)	Head	l (m)	Valve		m 3	3				(m)			Valve	Pipe		(pcs)			·	(pcs)	···	missior	\	7	(uni	t)
	₩ell			1			mm	mm		:			mm	mm	mm	min			1 .	mm	mm		mm	mm	min		Line	k₩	kw	kw	
		1		i	lotal	(m)	φ75	φ75	60	80	100	120	φ 30	φ 50	φ.75	φ 100	Total	unit	unit	φ30	ø 50	Total	φ 30	φ 50	φ75	[ota]	(m)	5.5	7.5	11	<u>lota</u>
KAYONZA-1	•		1			180		1	1				6,700	2,500	420		9,620	4	6	2	1 tr	2	3	2	1	6	1.800			·	
KAYONZA-2				1	-	220	260	1						2,300			8,050	4	5	2		2		2	3	5	1, 200				
										1				1,700	30		6,780	7	7			4	3	3	1	7	1,800				
KABARONDO	2	•	2		1	185	796	1	1	1_			3,600	130	30		3,730	3	5	4		0	5		1	5	1,000	1			1
RUTONDE BIRNGA	1	<u> </u>		1	. 1	220	950	1	1					1, 200			7, 600	2	6	2		2	5	1		6				. 1	 1
RUSUMO-1	2		2	<u>T</u>	<u>1</u>		1, 290	2						4, 250	1 450		13, 100	7	8	4	2	6	A	2	2	8			2		
	Y			·																				-						٨	
RUSUMO-2	2			2	2	250	1,365	2					7,750				18,200	6		3		5	6	5	2	13				2	2
RUSUMO-3	2		2_		2	185	714	1			1		6,550	10,400	700	6,000	23,650	8	17	3	3	6_	7	5	2	14			2		2
TOTAL	12	1	7.	4	12		6,481	10	4	1	2	1	49,200	29.680	5, 300	6,550	90,730	41	65	20	7	27	33	20	11	64	4,800	1	4	3	{

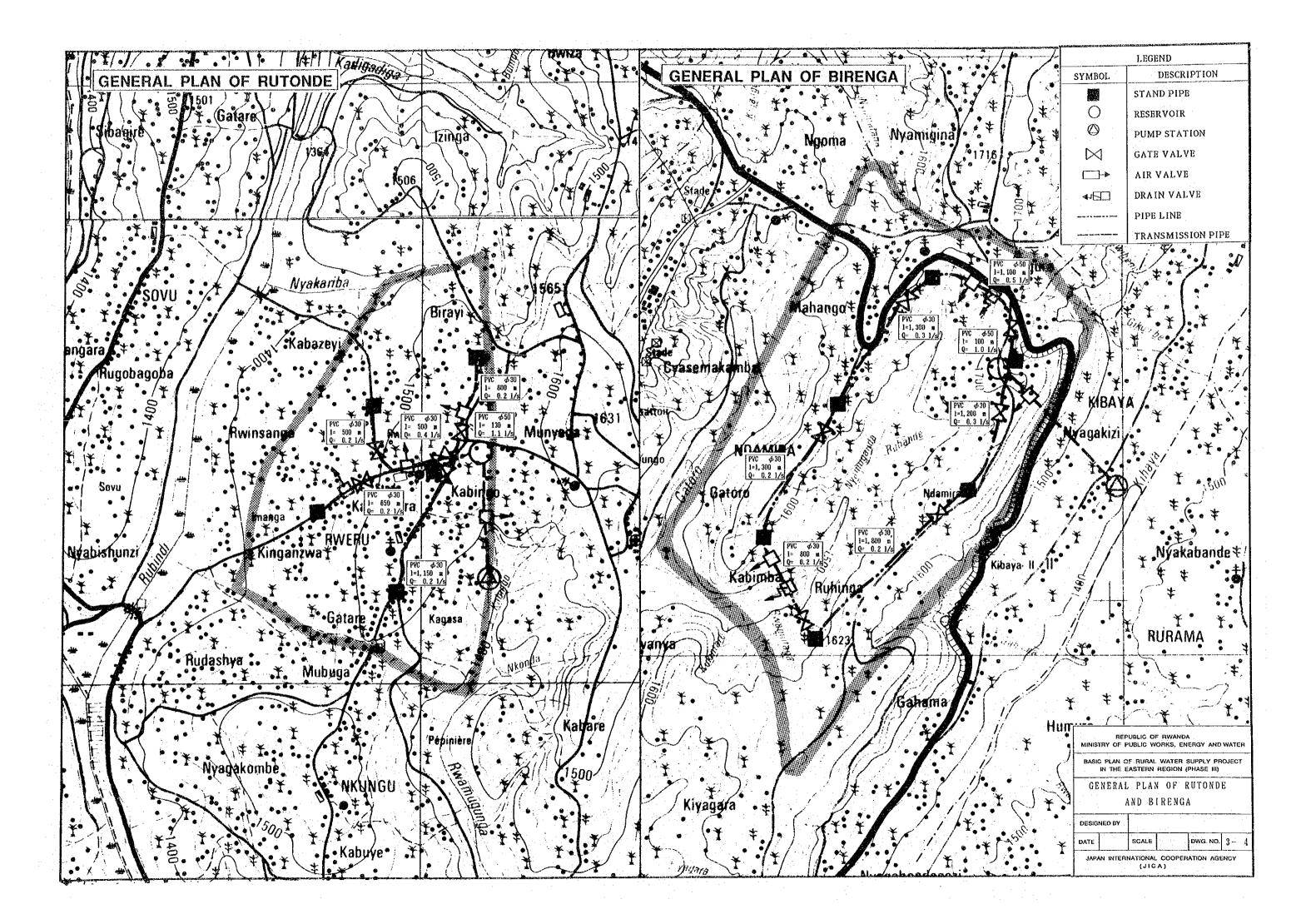
MINISTRY OF PUBLIC WORKS, ENERGY AND WATER BASIC PLAN OF RURAL WATER SUPPLY PROJECT IN THE EASTERN REGION (PHASE III)												
LIST OF WATER SUPPLY SCHEME FOR SYSTEM-2												
DESIGNED	BY											
DATE		SCALE		DWG. NO.	. 3							

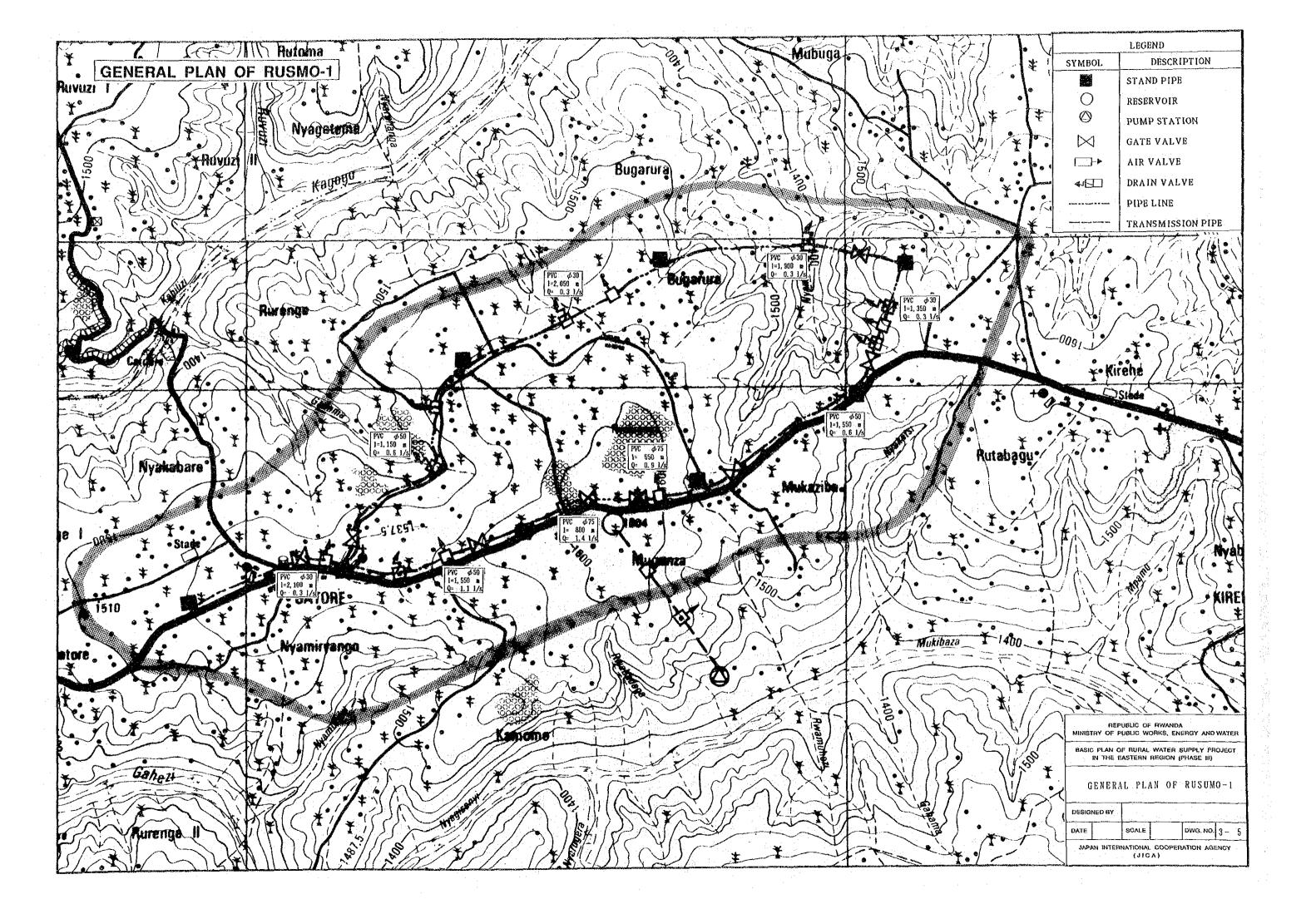
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

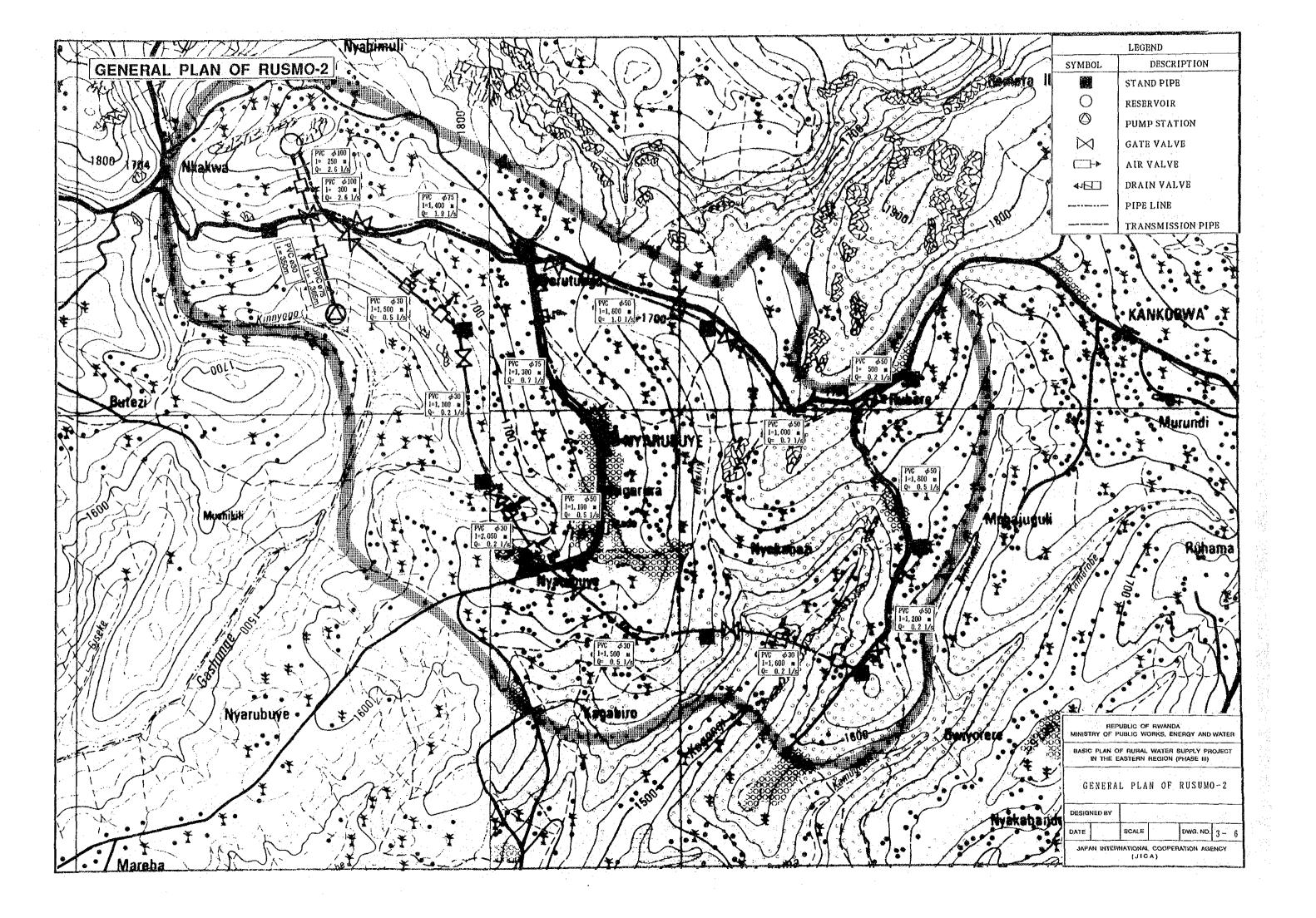


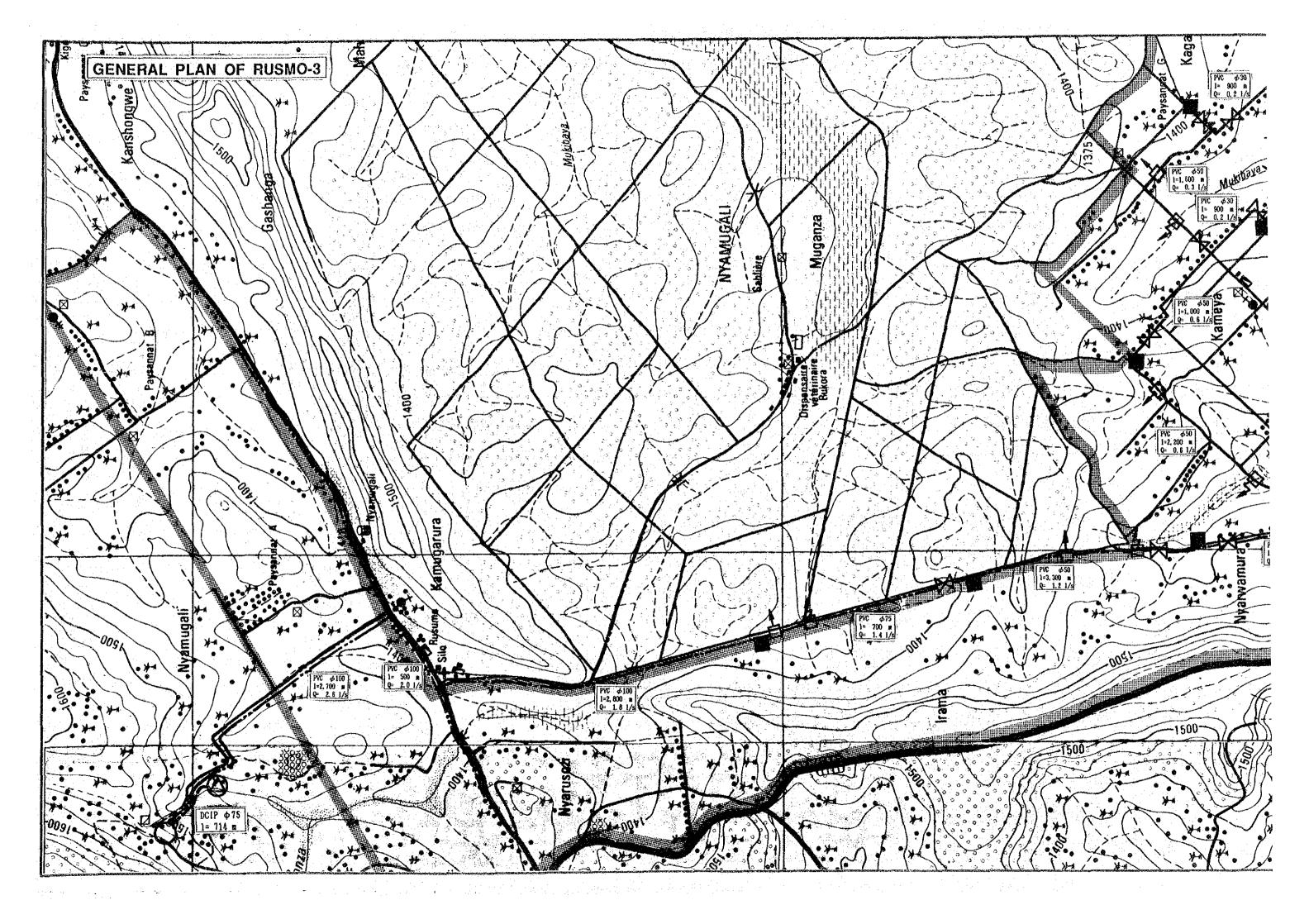


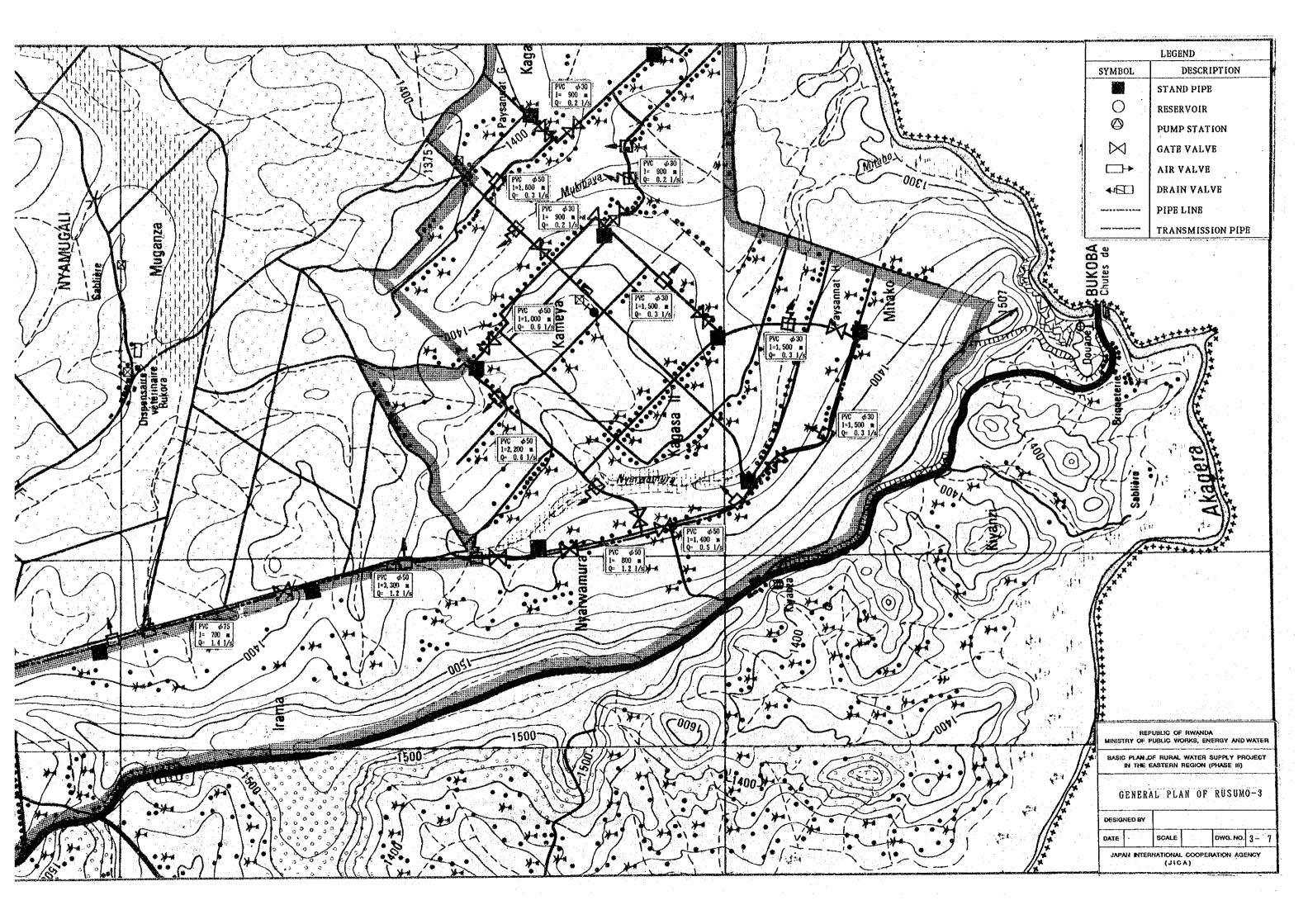


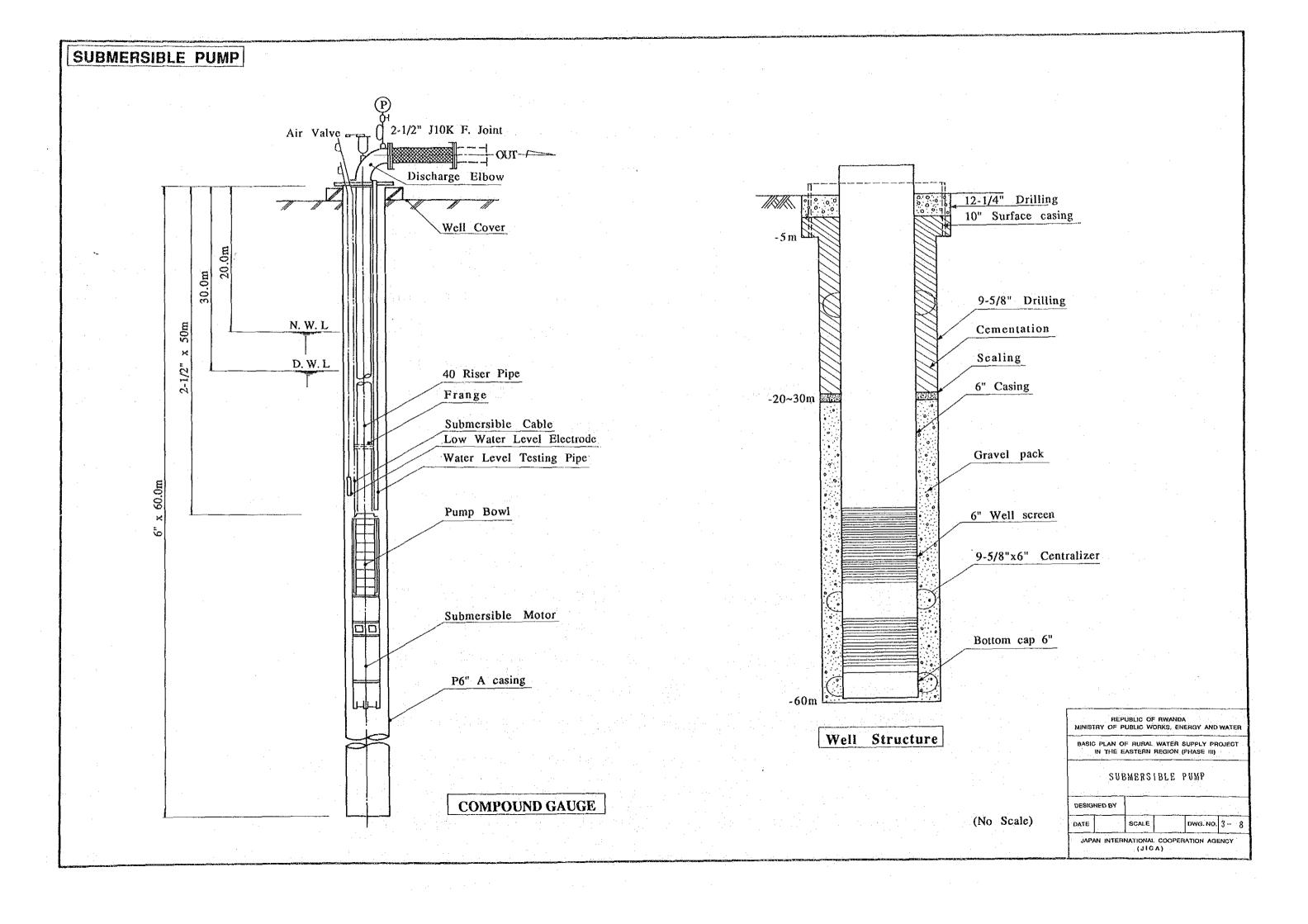


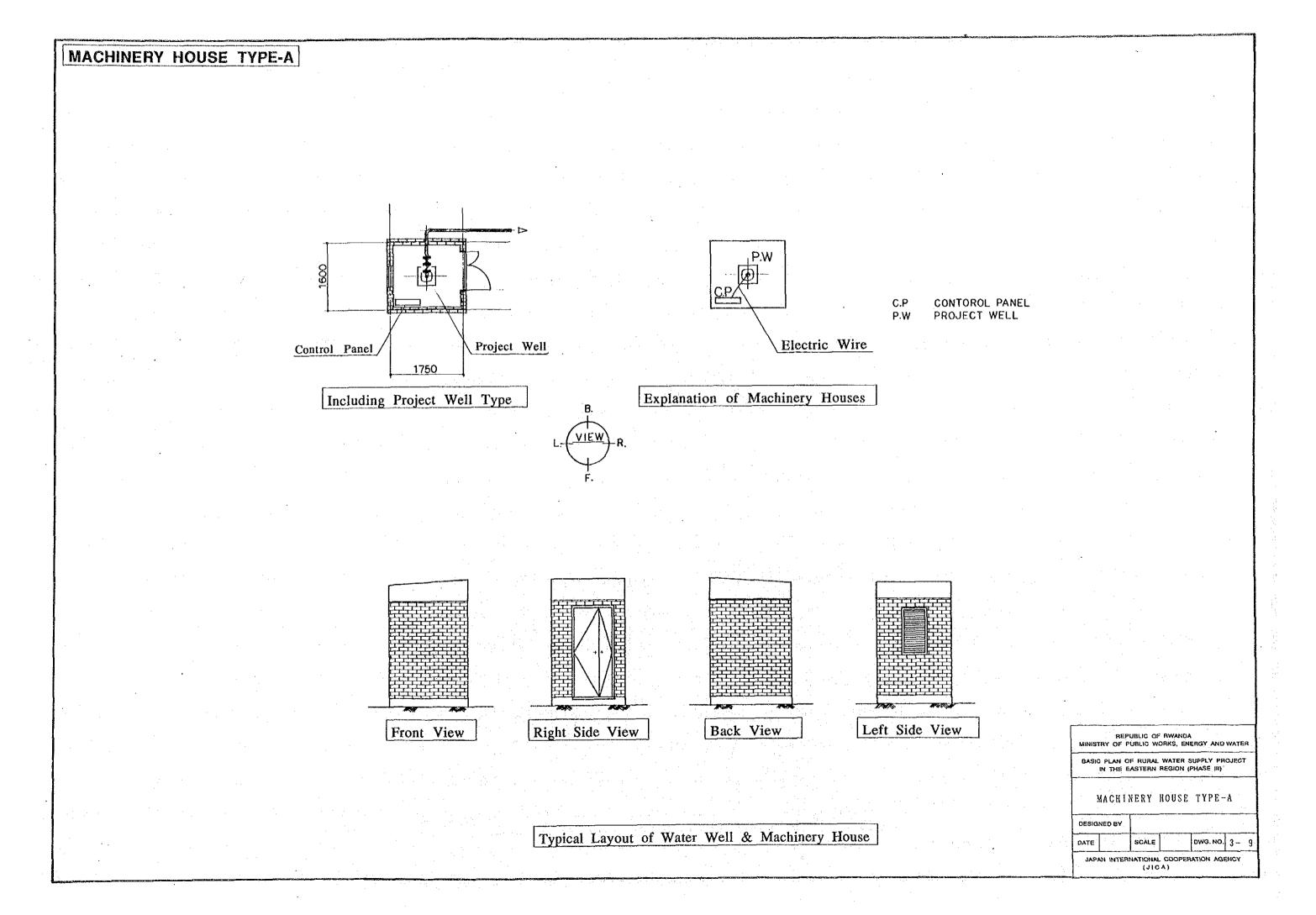


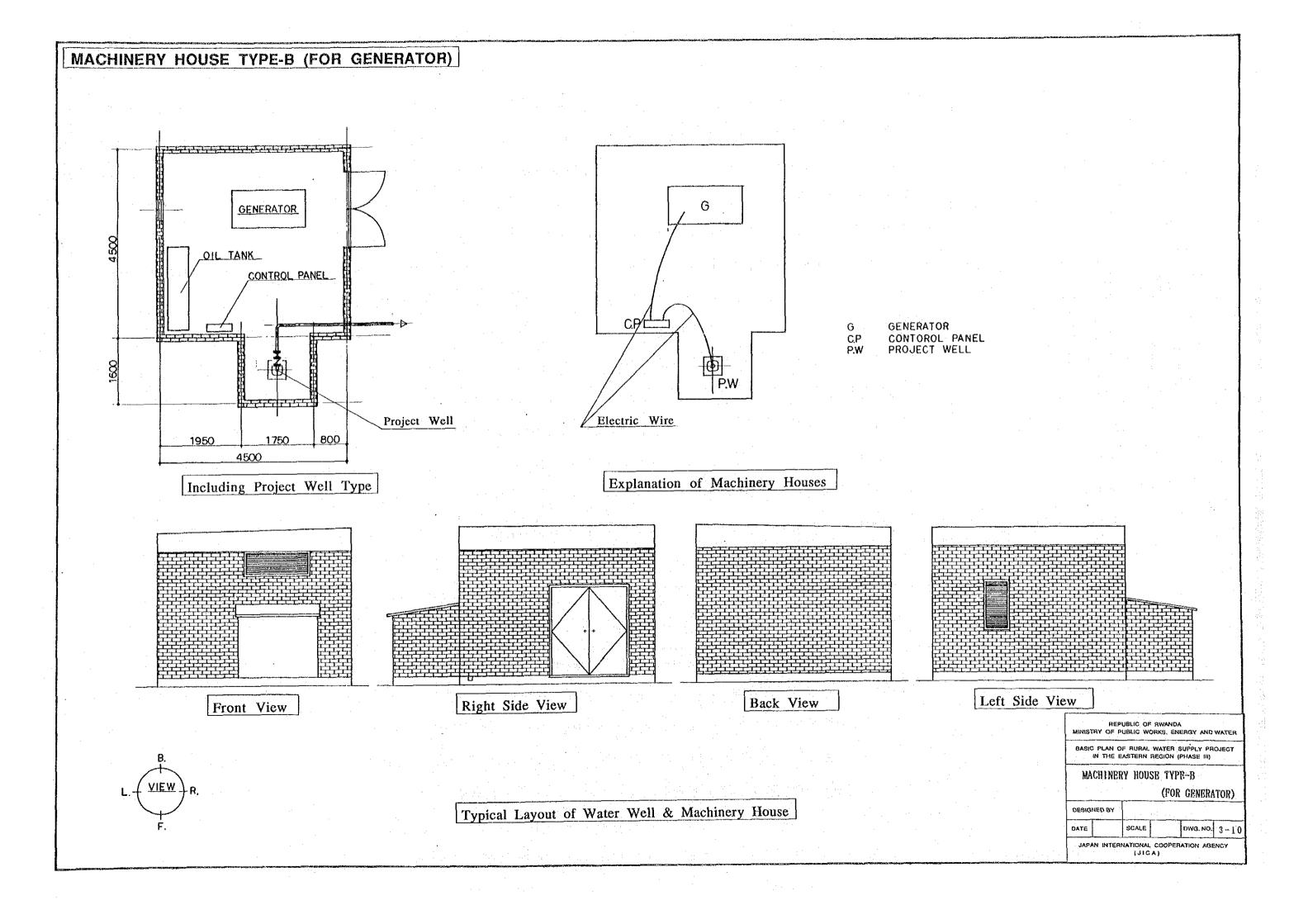










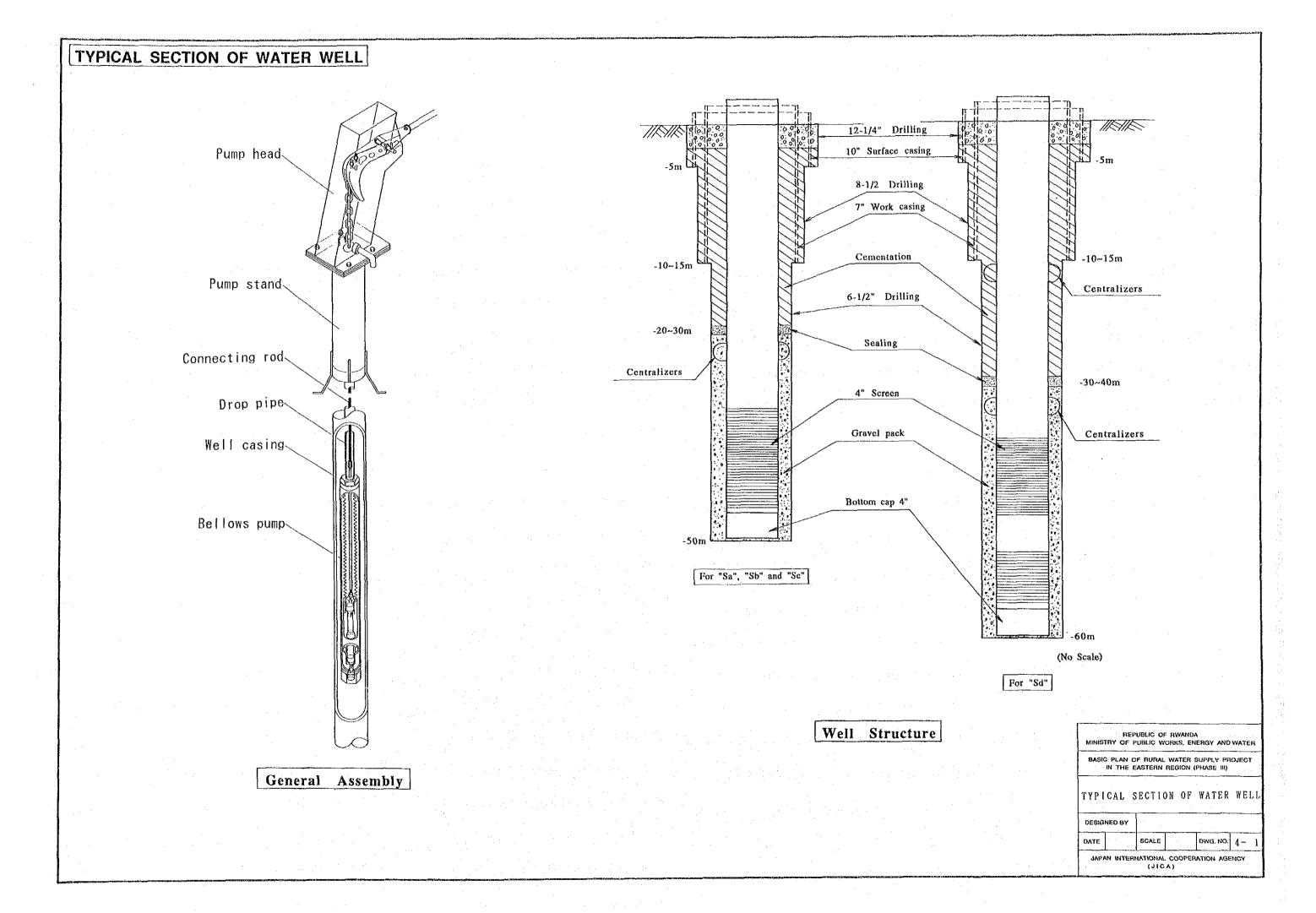


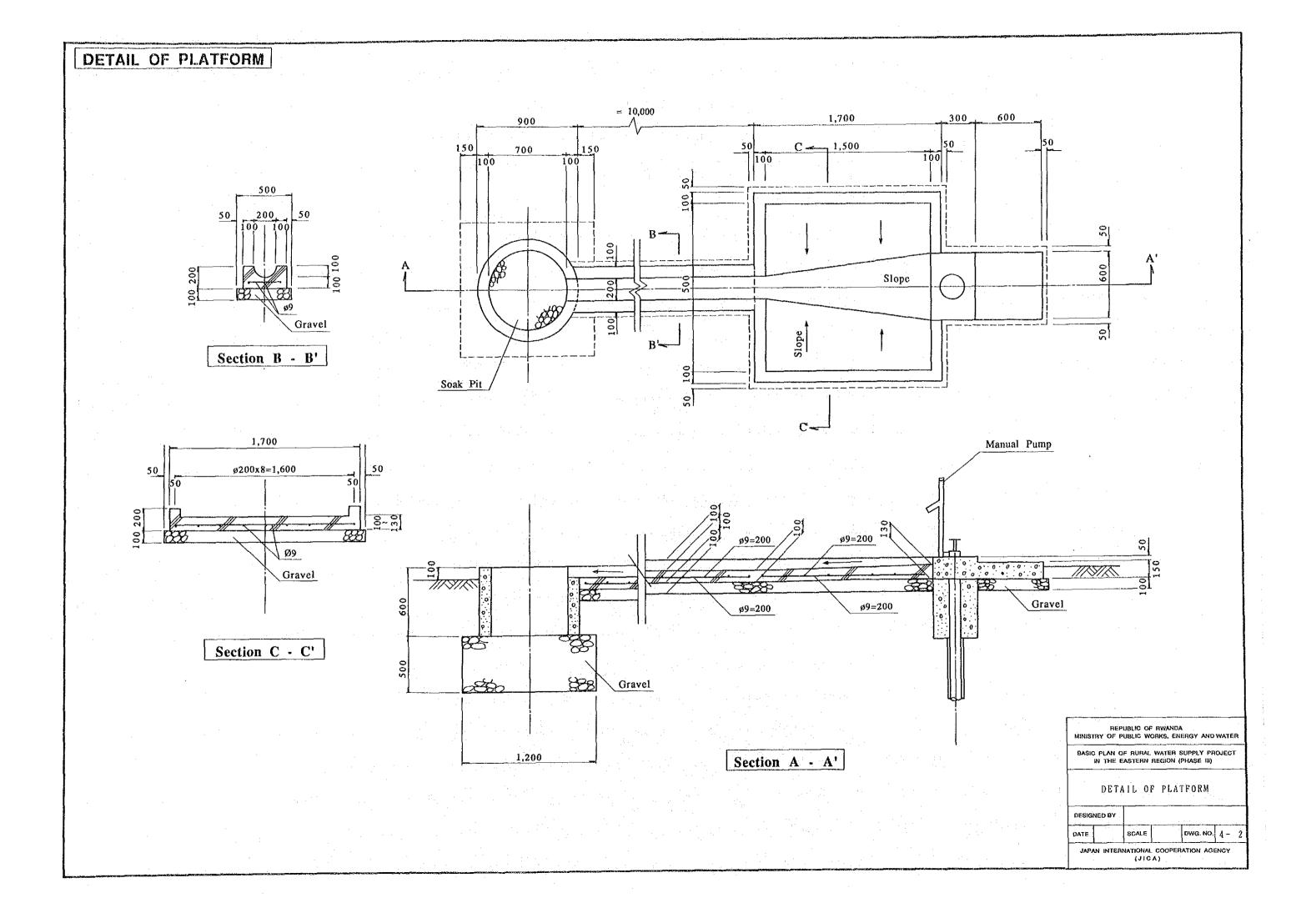
LIST OF WATER SUPPLY SCHEME FOR SYSTEM-3

LIST OF WATER SUPPLY SCHEME FOR SYSTEM-3

والمراجعة والمراجعة المراجعة	Classification	Sa	Sb		\$d				Classification			Sc	Sd				Classification		Sb	Sc.	Sd 50m	To4 5 1	Remar
Commune	Depth	50m	60m	50m	50m	Total	Remark	Commune	Depth				50m	Total	Remark	Commune	Depth			50m		lotal	Kella
Name	Safty Factor	1.00	1.25	1.25	1.25			Name	Safty Factor	1.00	1.25	1.25	1.25			Name	Safty Factor	1.00	1. 25	1.20	1.25		
	Sector Name								Sector Name								Sector Name						
RUKARA	GAHINI	12	<u>-</u> .			12		KAYONZA	GASOGI	 	. 5			5		RUKIRA	GASIRU			ļ	4	4	
	KIYENZI	6				6			MBURABUTURO	ļ	3			3_	i		GITWE			4.		4	
."	NYAKABUNGO	5			:	- 5			MUSUMBA	3				: 3			MUSHIKILI			4		4	
	NYAWERA	8_				8			NYAMIRAMA	6				6			NTARUKA			1 1		1	
*	RUKARA		12			12		: .	RUTARE	 	6			6			RUGARAMA			3		3	
	RWIMISHINYA	6				8			RWINKWAYU	2				2			TOTAL	0	0	12	4	16	
	RYAMANYONI				14	14			SHYOGO		3	1		3_		BIRENGA	BARE	3		ļ	1111	3	
	TOTAL	37	12	0	14	63			TOTAL	11	17	0	0	2.8		·	BIRENGA	3		<u> </u>		3	
MUGESERA	CYIZIHIRA				8	8		RUTONDE	KADUHA	3				3			GAHARA		7	ļ	<u> </u>	7	<u></u>
MVGBOBIII	GATARE				9	9			RUTONDE	6				6			GAHULIRE	3	:	ļ		3	
	KAGASHI				11	11			RWERU		2			2			GASHONGORA .	4		<u></u>		4	-
. *.	KAREMBO	1				- 1			SOVU		6		:	6		•	KIBAYA		6	L		6	
	KIBARE			L	10	10			TOTAL	9	8	0	0	17			KIBIMBA	3		ļ		3	
	KIBILIZI-1, 2		9			9		KABARONDO	BISENGA	4		js.		4			SAKARA	4	: .			4	
	KIRAMBO		<u>-</u> -		7	7			MURAMA	2				2			TOTAL	20	13	0	0	33	
	KUKABUYE	5				5			NKAMBA	2				2		RUSUMO	GATORE		ļ	6		6	
	MATONGO	-			7	7			RURAMIRA		4			4			KANKOBWA	30				30	<u> </u>
•	NGARA	7		-		. 7	4.4		RUSERA	4				4			KIGARAMA	6	L			6	
,	NYANGE	<u> </u>			8	8			RUYONZA	2				2			KIGINA	11				11	
	SANGAZA	-			9	· g			SHYANDA		2			2			KIREHE	4_				4	
	SHYWA	-		 	8	8			TOTAL	14	6	0	0	20	7.44		MUSAZA			11		11	
	ZAZA				13	13		KIGARAMA	GASETSA	3				3			NYABITARE		ļ	9		9	
	TOTAL	13	9		90	112			GASHANDA	5				5			NYAMUGALI				5	5	
SAKE	MBUYE	1 10	4	U	30	4			KABARE-1	4				: 4]	NYARUBUYE			7		7	
SAKE	MURWA		4		13	13			KABARE-2	10				10		1 1 1	TOTAL	51	0	33	5	89	
	RUKUMBERI	<u> </u>			13	13			KABERANGWE	1	3			3									
					12	12			KANSANA	5				5									
	SHOLI			^	38				REMERA		4			4									
	TOTAL	0	4	<u> </u>	30	9.6			RUBONA		11			11_					* .	:			
."									RURENGE	4	*1			4									
		 							YUMWE	8				8									
										39	18	0	0	57									
									TOTAL	1 32	10			<u> </u>				<u> </u>				17.	
				<u> </u>	 		 			 					 	}				†	1		
									0.1.7.4.1	7.0	40	0	0	122		ļ	Sub-Total	71	13	45	9	138	
	Sub-Total	50	25	0	142	217			Sub-Total	73	49	U		166		TOT		194			151	477	1

. * *		EPUBLIC OF AV	IANDA S, ENERGY AND V	VATER								
		OF RURAL WA EASTERN REG	TER SUPPLY PRO ION (PHASE III)	NECT								
	LIST OF	WATER SUPI	PLY SCHEME FOR SYSTE	M-3								
	DESIGNED BY											
•	DATE	SCALE	DWG. NO.	4								
	JAPAN INTERNATIONAL COOPERATION AGENCY											





LIST OF WATER SUPPLY SCHEME FOR SYSTEM-4

LIST OF WATER SUPPLY SCHEME FOR SYSTEM-4

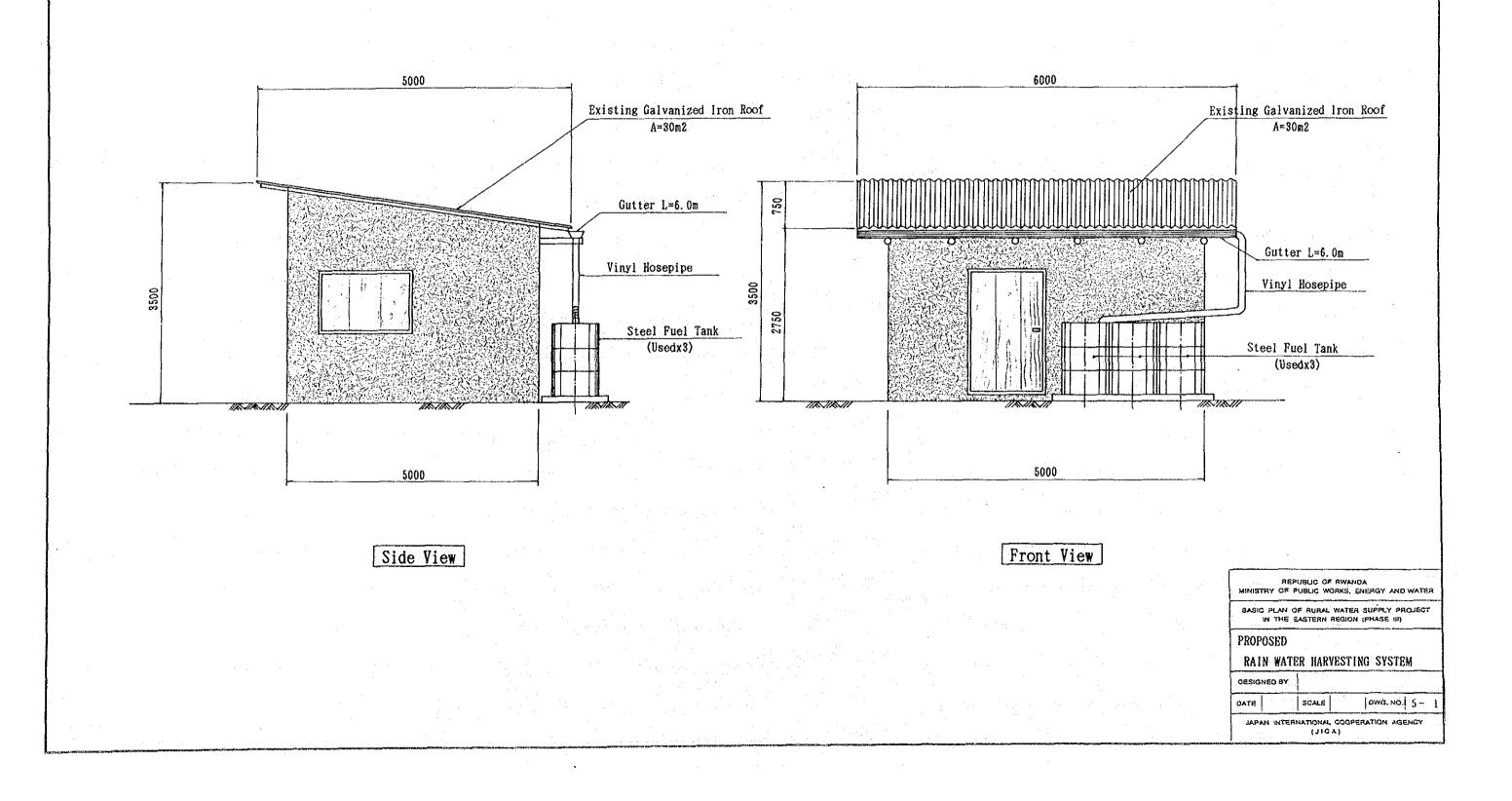
Commune Sector Name Unit No. Remark RUKARA KIYENZI 251 NYAKABUNGO 283 NYAWERA 288 RUKARA 154 RWIMISHINYA 375 RYAMANYONI 79 TOTAL 1,430 KAYONZA GASOGI MBURABUTURO 138 MUSUMBA 306 RWINKWAYU 112
RUKARA KIYENZI 251 NYAKABUNGO 283 NYAWERA 288 RUKARA 154 RWIMISHINYA 375 RYAMANYONI 79 TOTAL 1,430 KAYONZA GASOGI 187 MBURABUTURO 138 MUSUMBA 306 RWINKWAYU 112
NYAKABUNGO 283 NYAWERA 288 RUKARA 154 RWIMISHINYA 375 RYAMANYONI 79 TOTAL 1,430 KAYONZA GASOGI 187 MBURABUTURO 138 MUSUMBA 306 RWINKWAYU 112
NYAWERA 288 RUKARA 154 RWIMISHINYA 375 RYAMANYONI 79 TOTAL 1,430 KAYONZA GASOGI 187 MBURABUTURO 138 MUSUMBA 306 RWINKWAYU 112
RUKARA 154 RWIMISHINYA 375 RYAMANYONI 79 TOTAL 1,430 KAYONZA GASOGI 187 MBURABUTURO 138 MUSUMBA 306 RWINKWAYU 112
RWIMISHINYA 375
RYAMANYONI
TOTAL 1,430 KAYONZA GASOGI 187 MBURABUTURO 138 MUSUMBA 306 RWINKWAYU 112
KAYONZA GASOGI 187 MBURABUTURO 138 MUSUMBA 306 RWINKWAYU 112
MBURABUTURO 138 MUSUMBA 306 RWINKWAYU 112
MUSUMBA 306 RWINKWAYU 112
RWINKWAVU 112
TOTAL 743
RUTONDE KADUHA 151
TOTAL 151
KABARONDO BISENGA 185
MURAMA 236
RUSERA 178
SHYANDA 251
TOTAL 850
Sub-Total 3,174

Commune	Sector		
Name	Name	Unit No.	Remark
KIGARAMA	KABARE-2	281	
	REMERA	134	
	RUBONA	191	
	TOTAL	606	
RUKIRA	GASIRU	116	
	GITUKU	100	
	MUSHIKILI	199	
•	NTARUKA	3.8	
•	RUGARAMA	210	
1	TOTAL	663	
BIRENGA	BIRENGA	301	·
	GAHARA	344	
	TOTAL	645	· · · · · · · · · · · · · · · · · · ·
RUSUMO	GATORE	274	
	KANKOBWA	1,185	
•	KIGARAMA	841	
y	KIGINA	122	·
	MUSAZA	582	
. •	NYABITARE	144	
	NYAMUGALI	0	
	NYARUBUYE	115:	
	TOTAL	3, 263	
	Sub-Total	5, 177	
	TOTAL	8, 351	

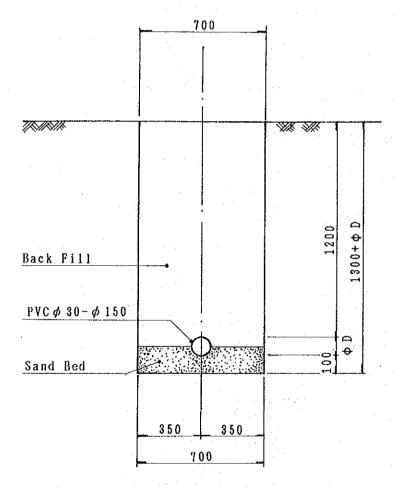
		TER SUPPLY PROJECTION (PHASE III)									
LIST OF WATER SUPPLY SCHEME											
FOR SYSTEM-4											
SEA-ANED ON	Ì										
DESIGNED BY]										

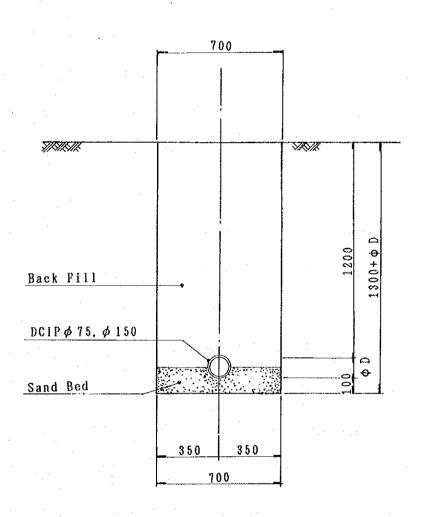
PROPOSED RAIN WATER HARVESTING SYSTEM

Plan of Rain Water Harvesting System



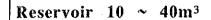
TYPICAL CROSS SECTION OF DISTRIBUTION PIPE

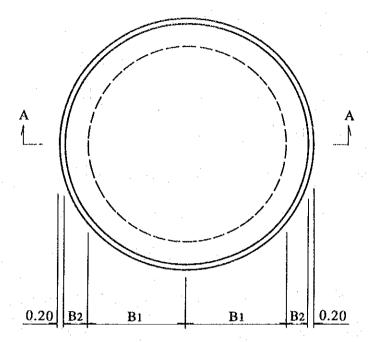




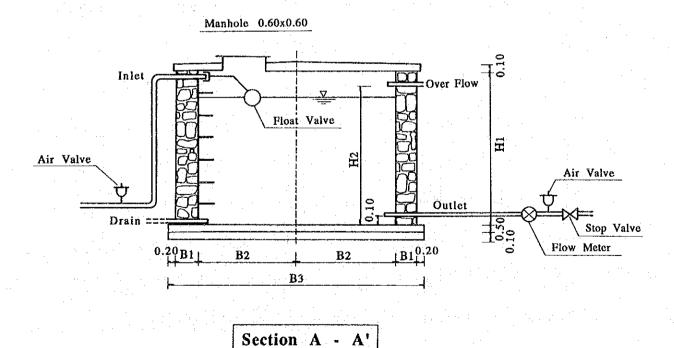
	MINIS			F RWANDA ORKS, EN	ERGY AND	WATE	R
	BASI				SUPPLY PE PHASE III)	ROJEC	r
	ΤY	PICAL	CROS	SS SEC TION	CTION PIPE	0 F	
	DESIG	NEO BY					
:	DATE		SCALE		DWG. NO.	6 -	1
	JAP#	W INTER	NATIONAL (JIC		ATION AGE	ENCY	

DISTRIBUTION RESERVOIR (10 - 40m³)





Plan



Capacity	B ₁	B ₂	В3	H ₁	H ₂
10m ³	0.30	1.41	3.82	1.80	1.50
20m ³	0.30	1.90	4.80	2.00	1.70
30m ³	0.30	2.20	5.40	2.20	1.90
40m ³	0.30	2.50	6.00	2.50	2.20

HEPUBLIC OF RWANDA
MINISTRY OF PUBLIC WORKS, ENERGY AND WATER

BASIC PLAN OF RURAL WATER SUPPLY PROJECT
IN THE EASTERN REGION (PHASE III)

DISTRIBUTION RESERVOIR

(10-40m3)

DESIGNED BY

DATE SCALE DWG. NO. 6-2

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

