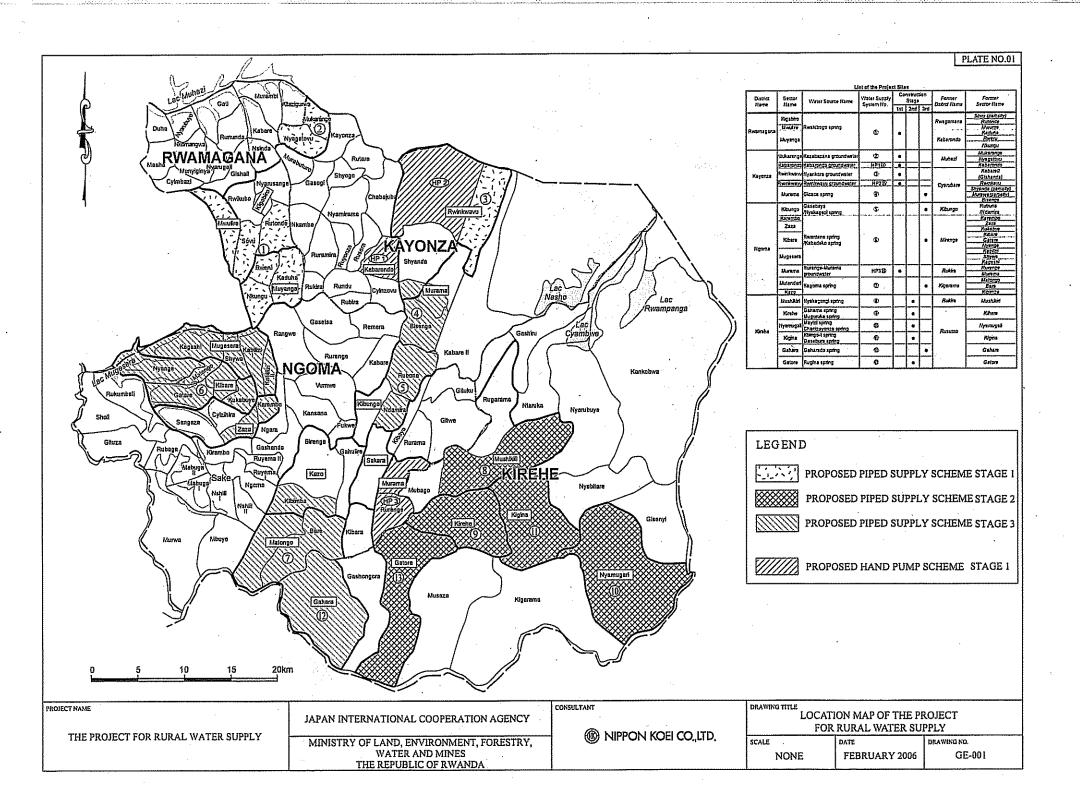
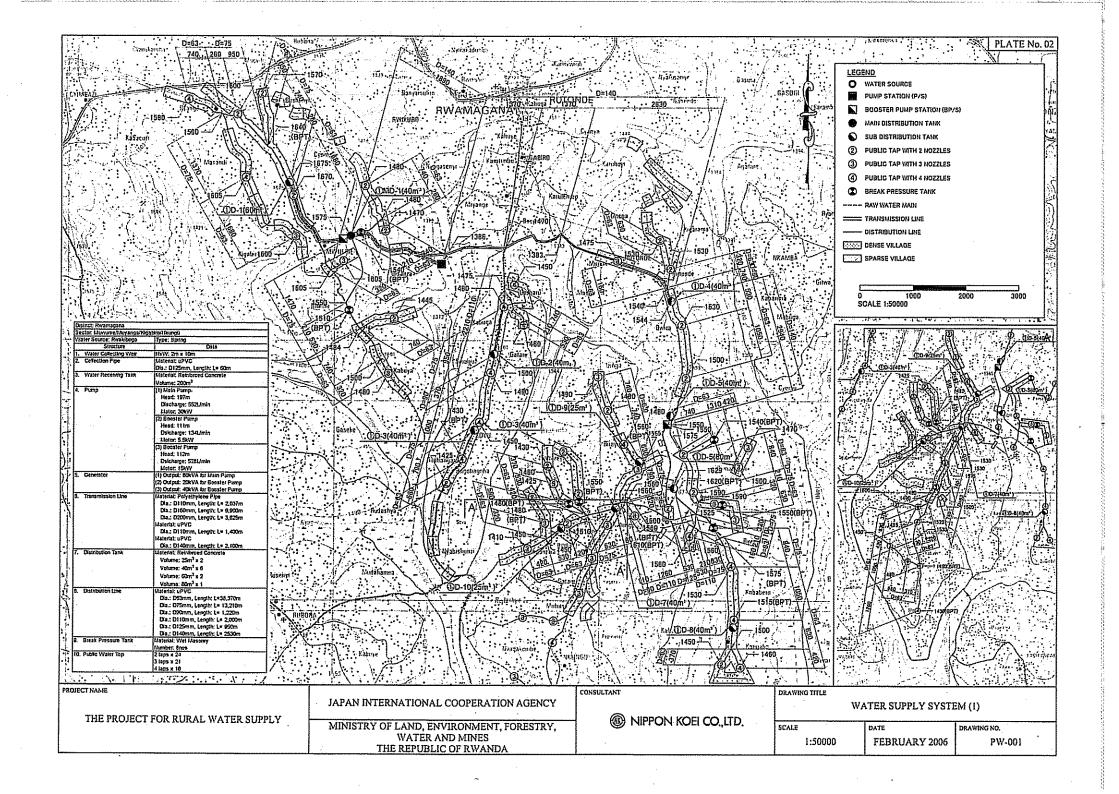
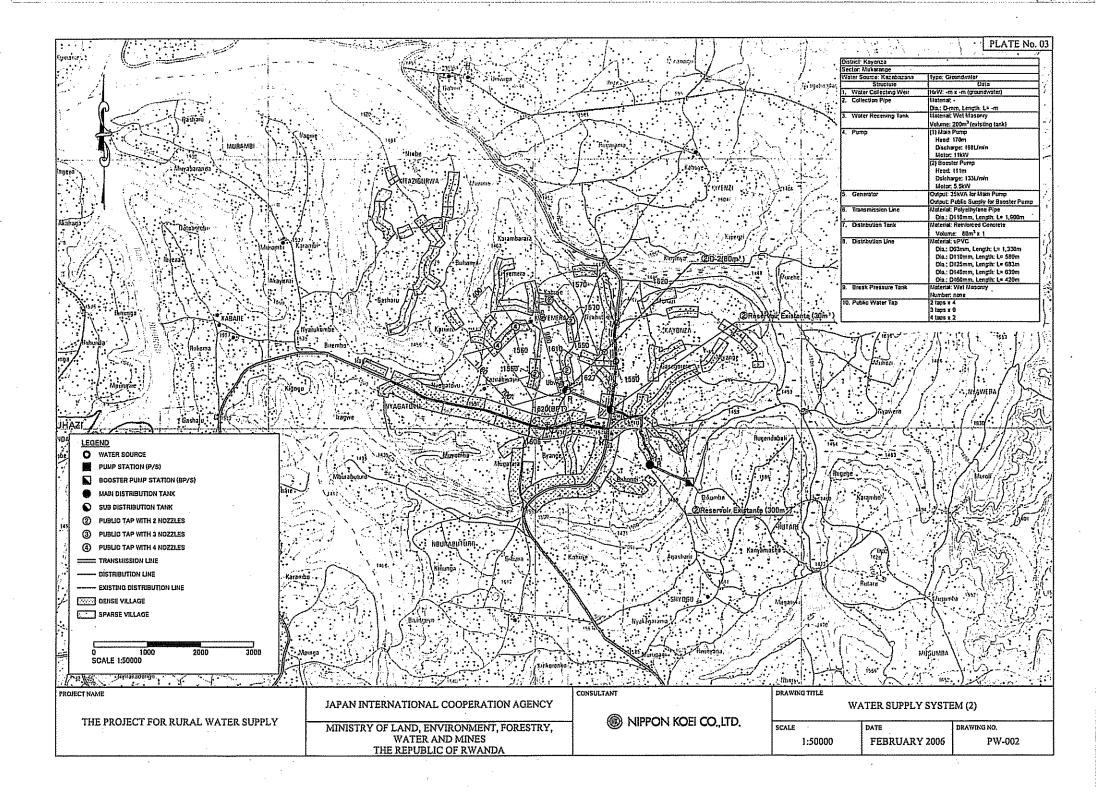
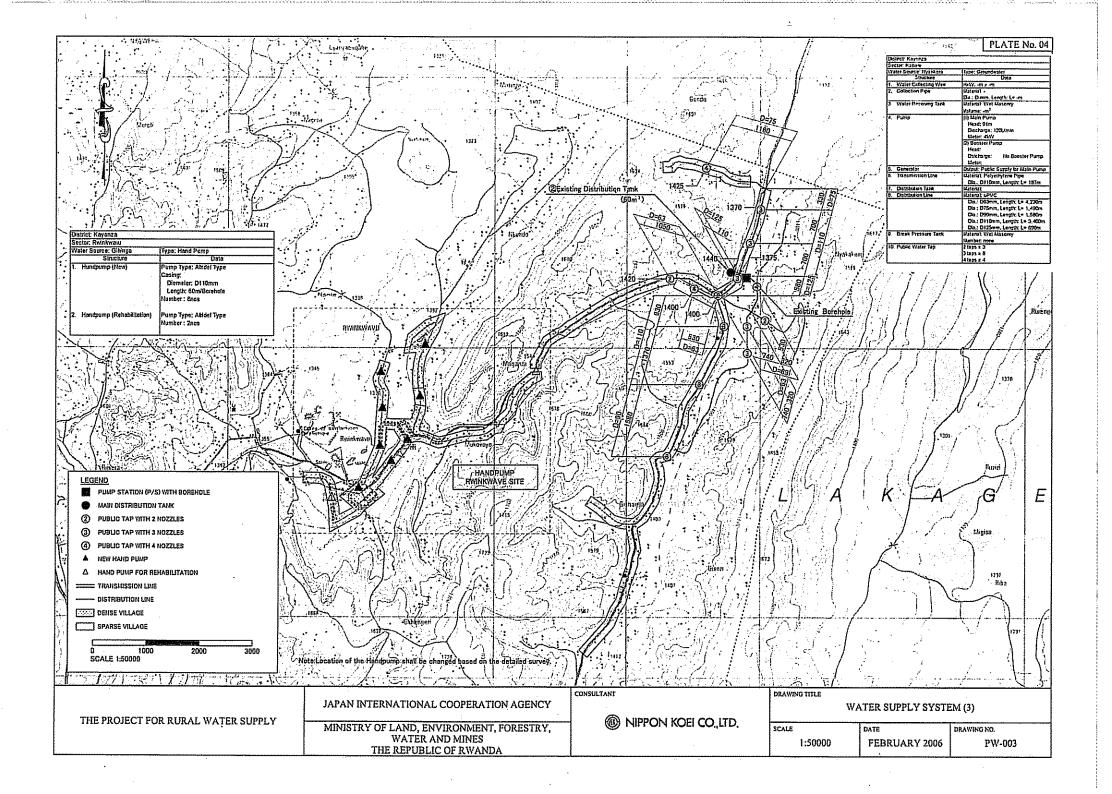
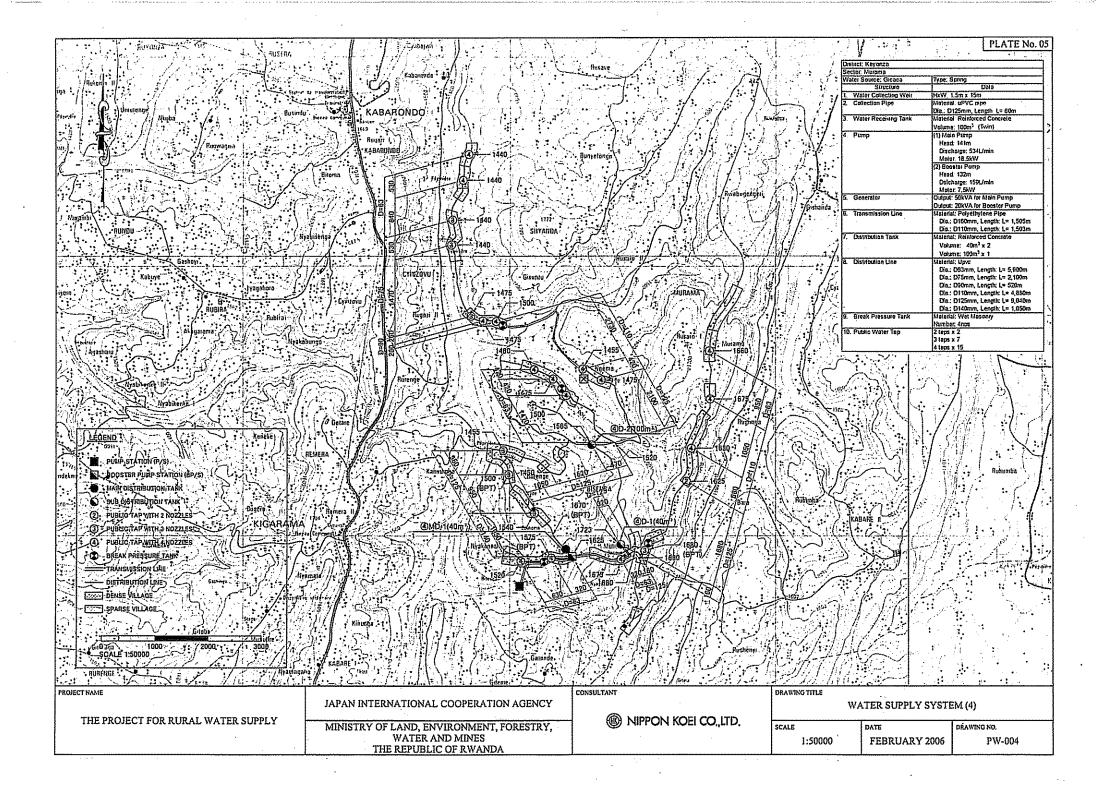
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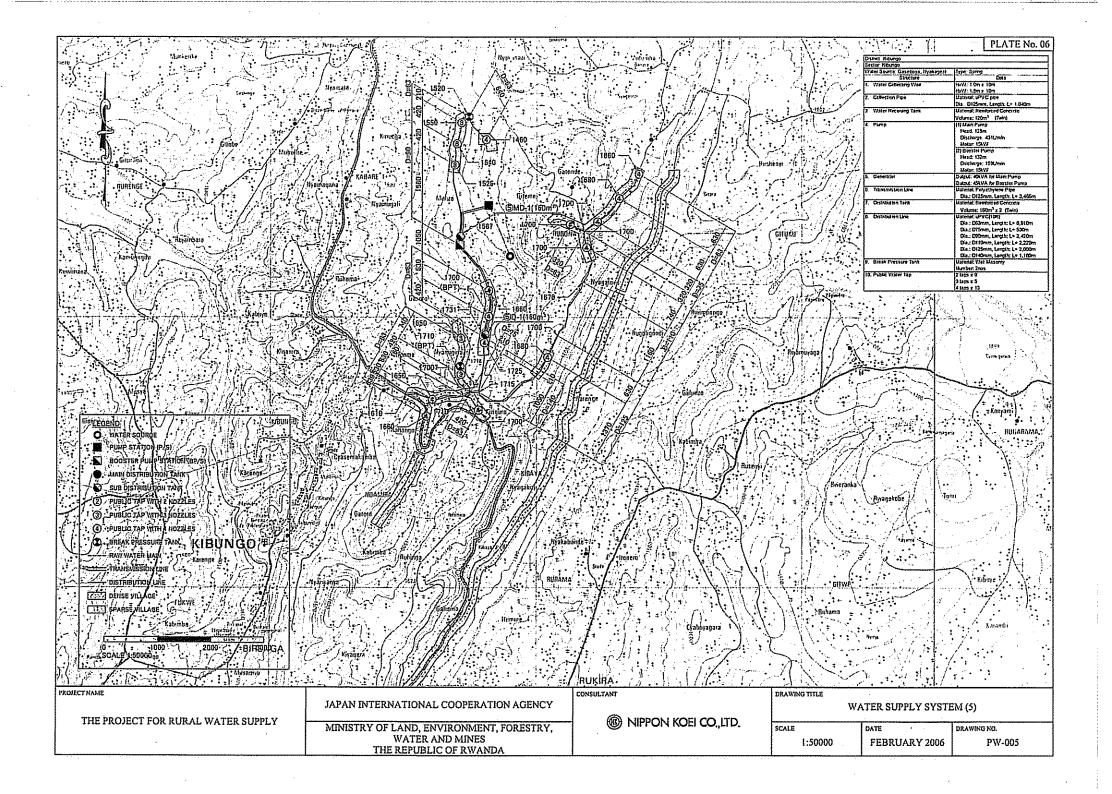


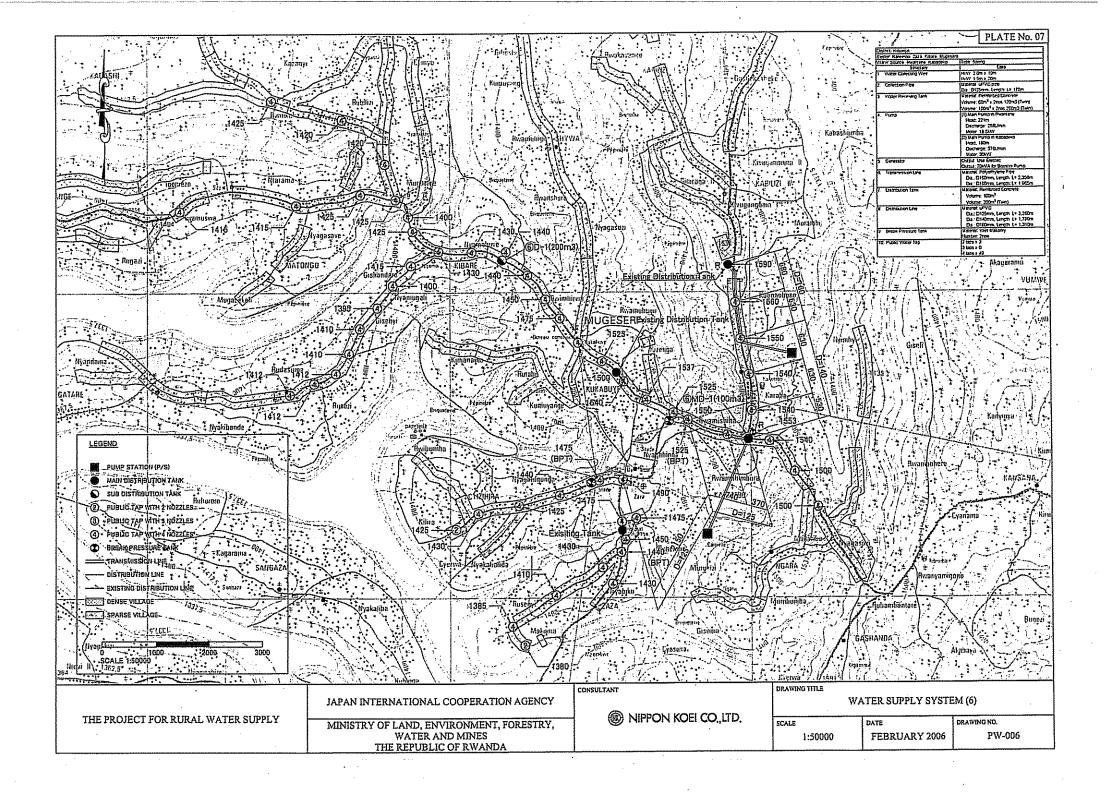


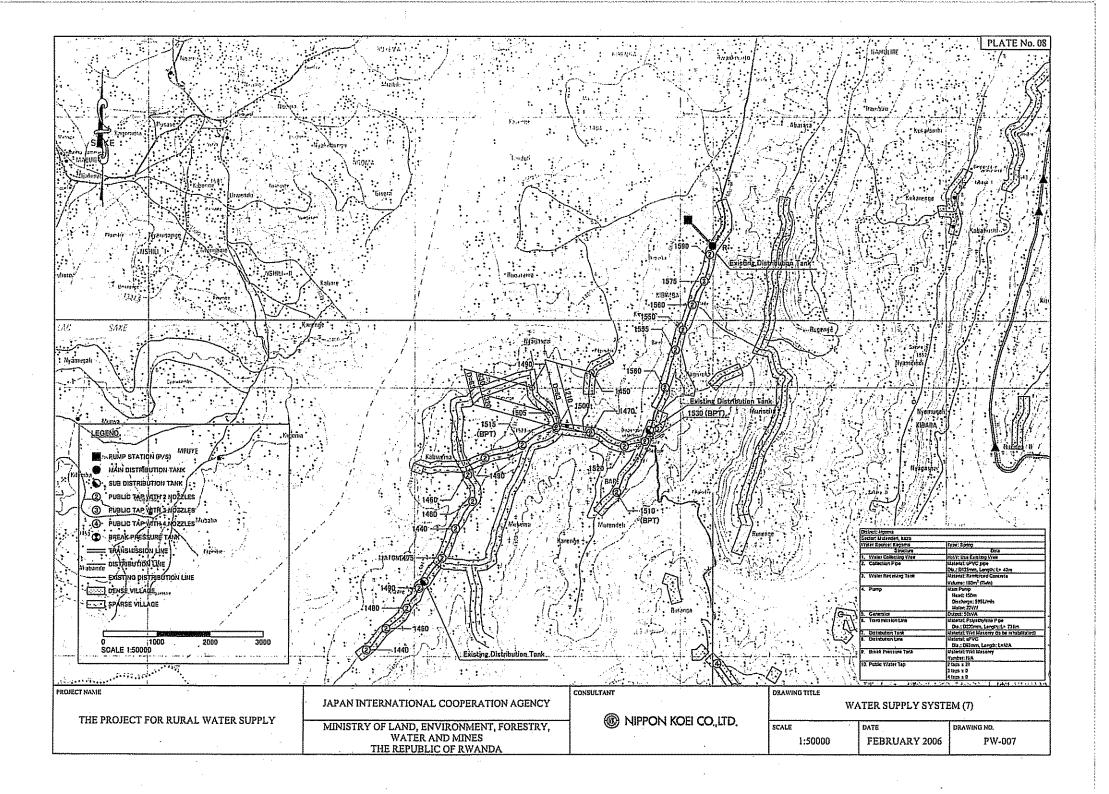


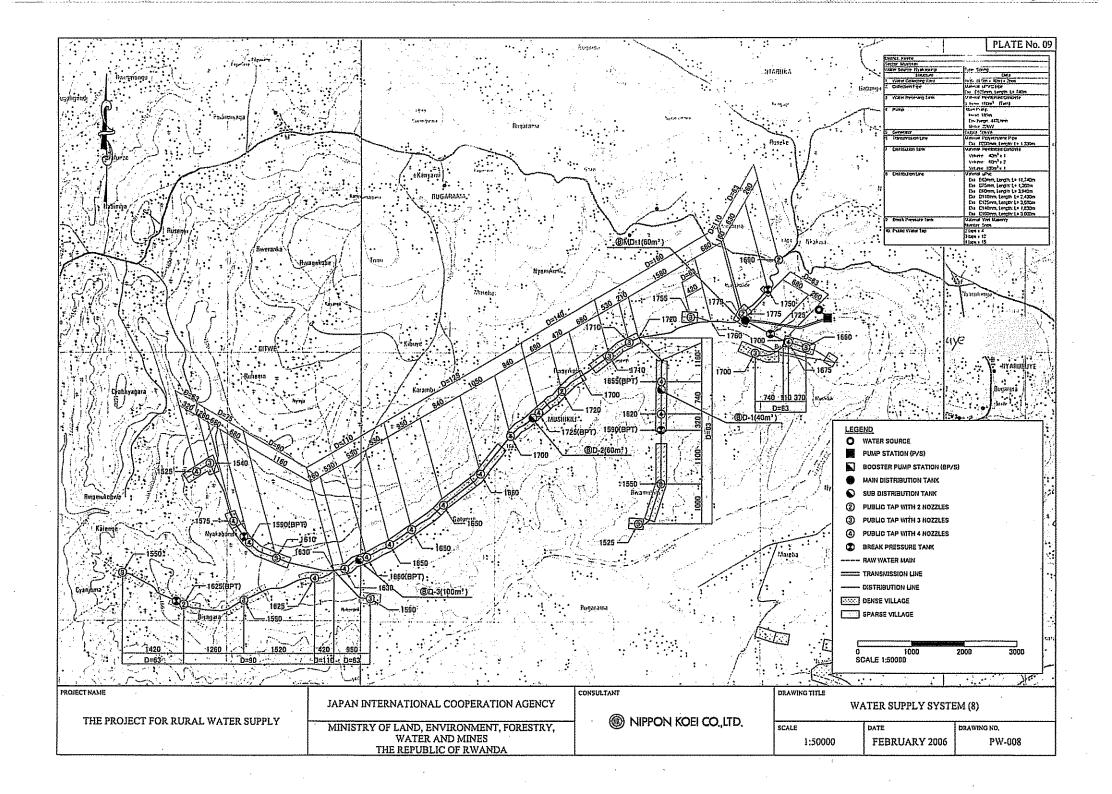


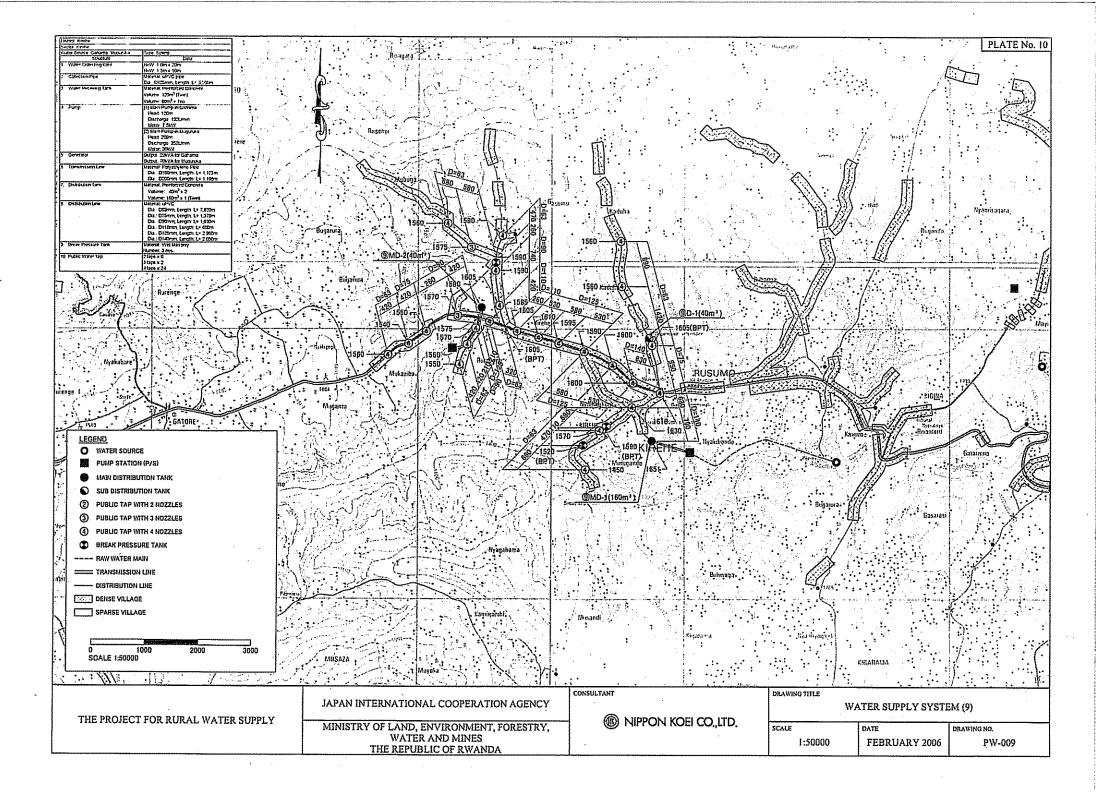


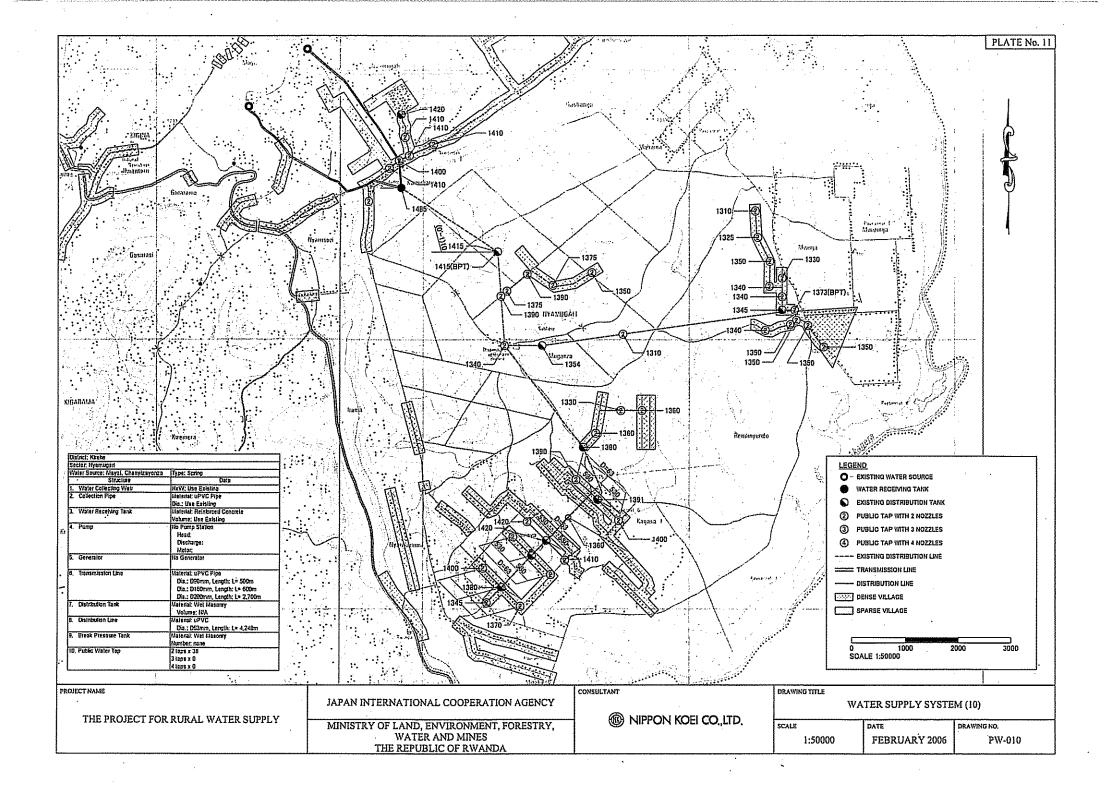


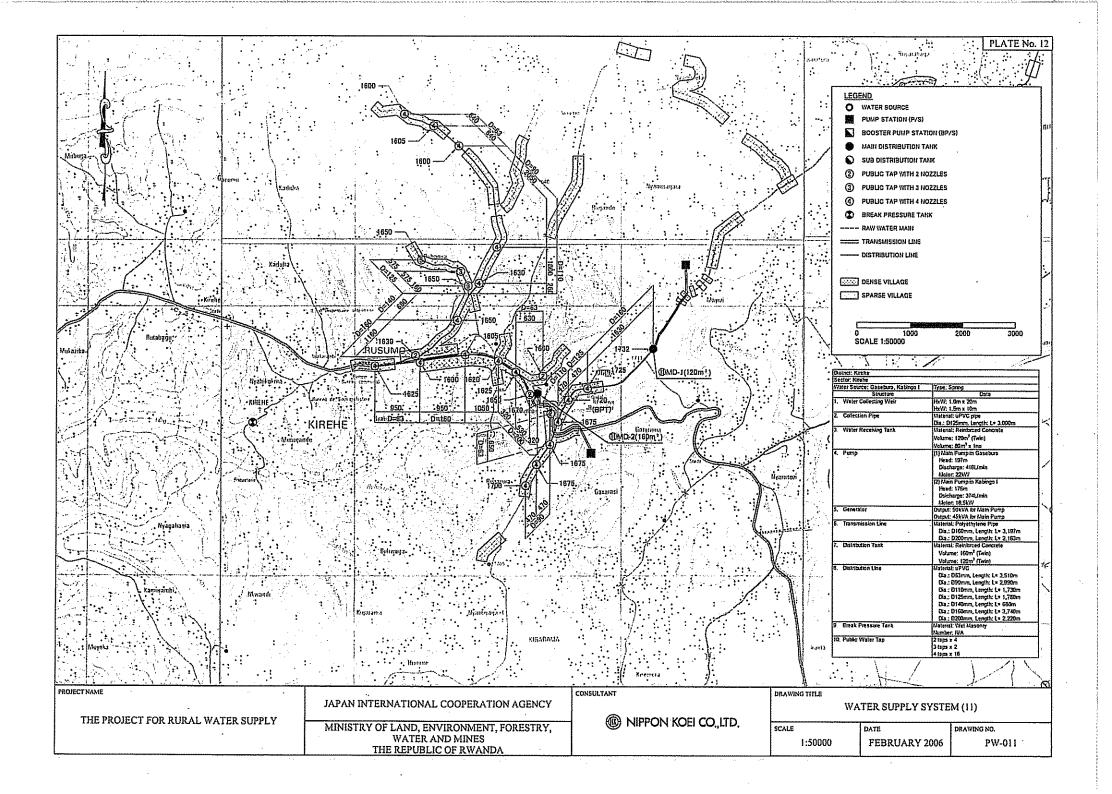


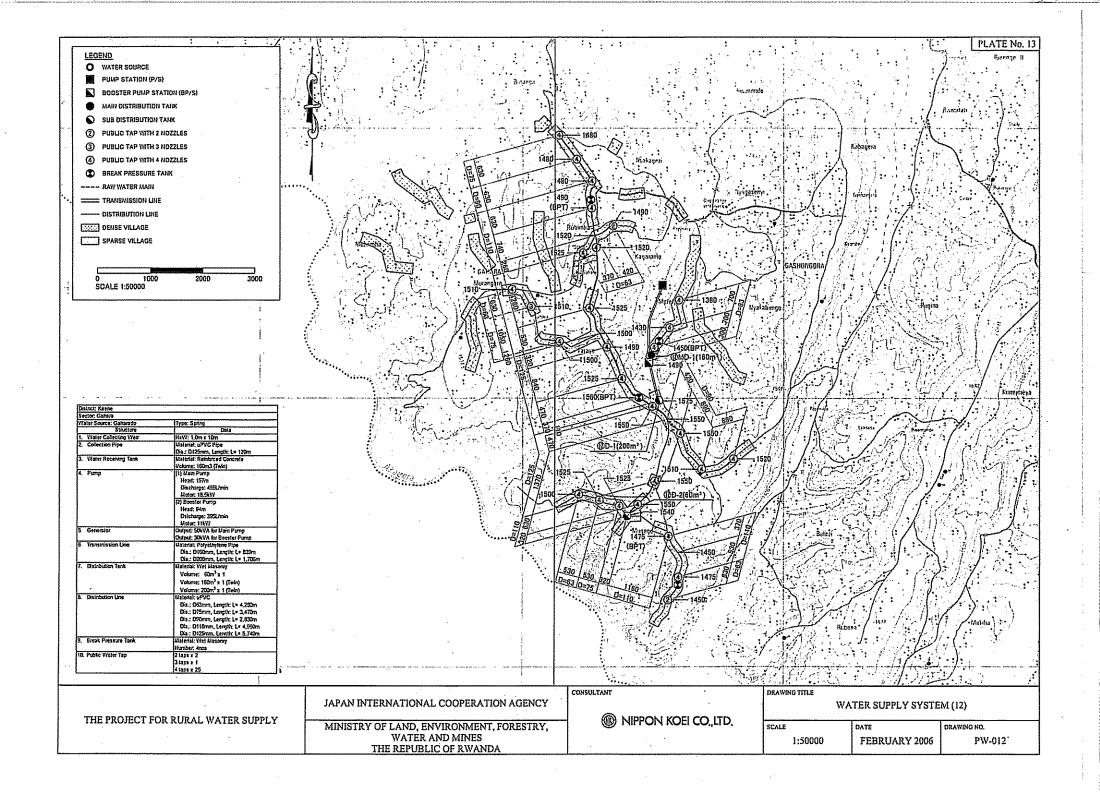


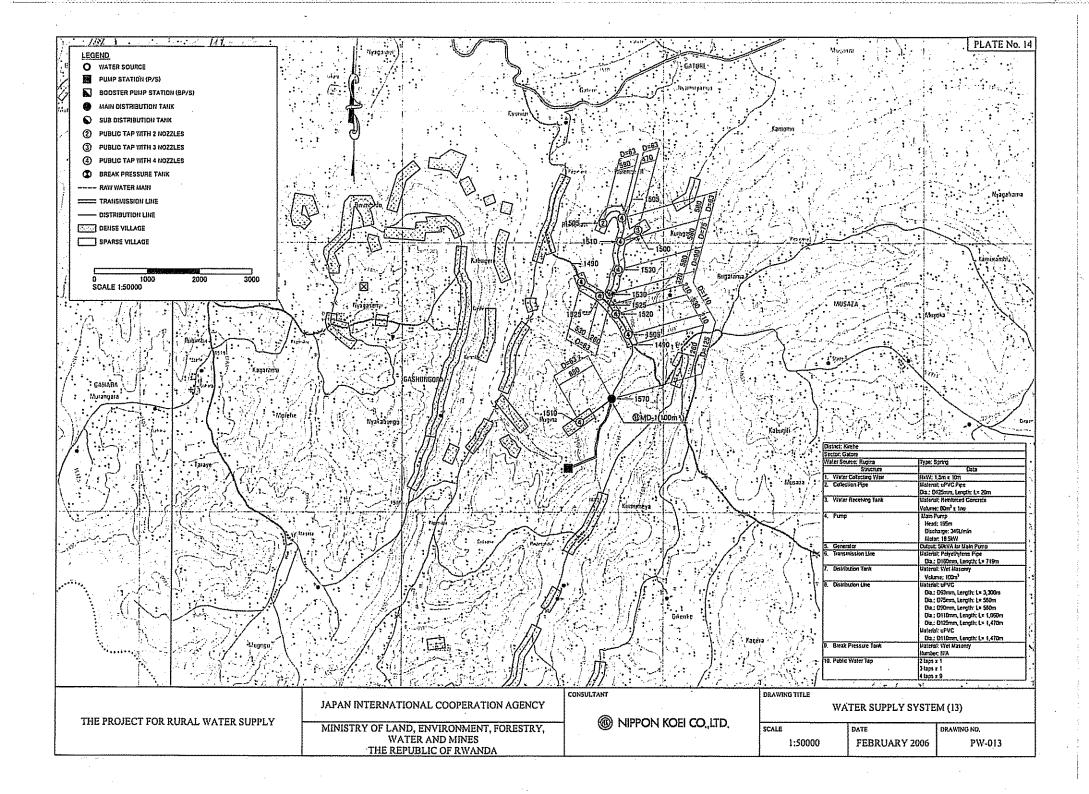




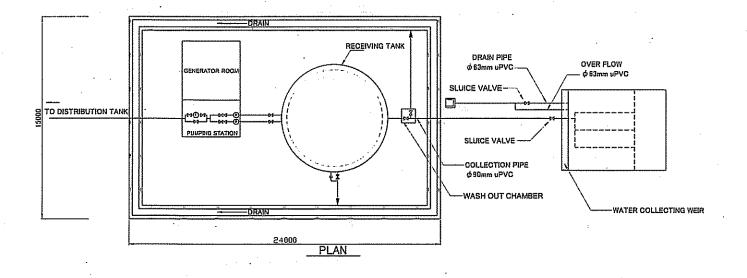


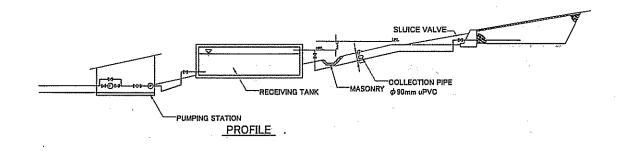












PROJECT NAME

THE PROJECT FOR RURAL WATER SUPPLY

JAPAN INTERNATIONAL COOPERATION AGENCY

MINISTRY OF LAND, ENVIRONMENT, FORESTRY, WATER AND MINES THE REPUBLIC OF RWANDA CONSULTANT

NIPPON KOEI CO.,LTD.

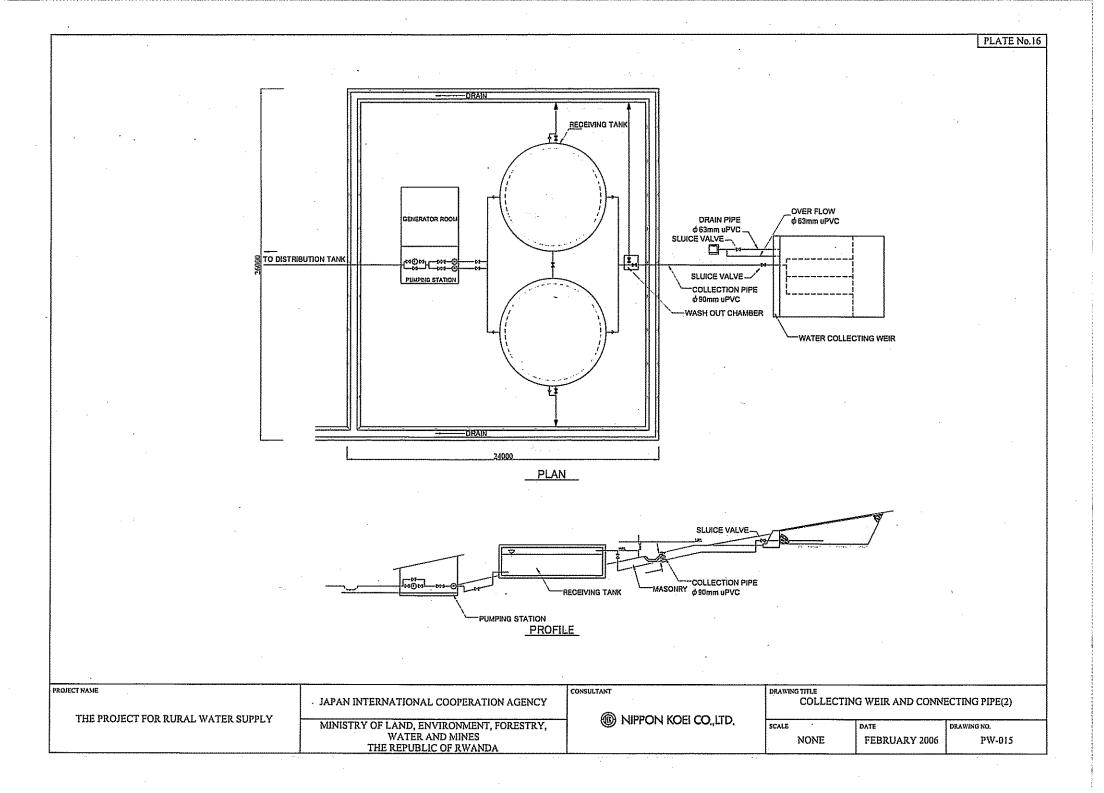
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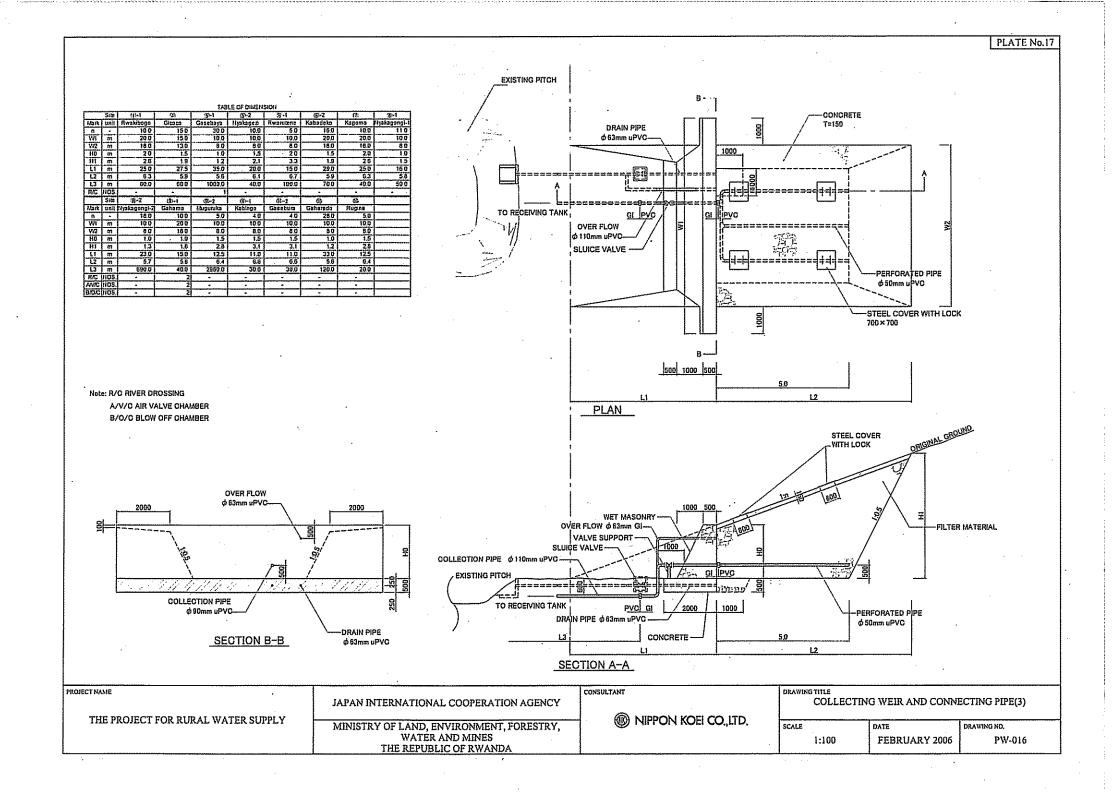
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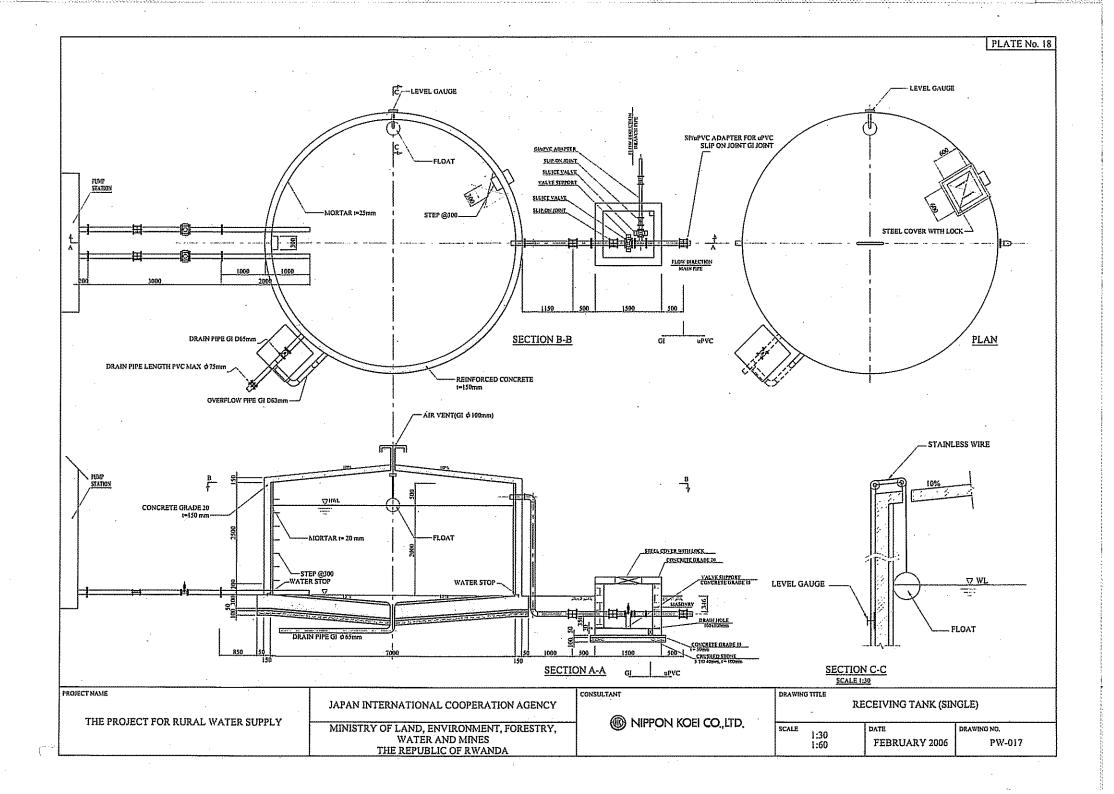
FEBRUARY 2006

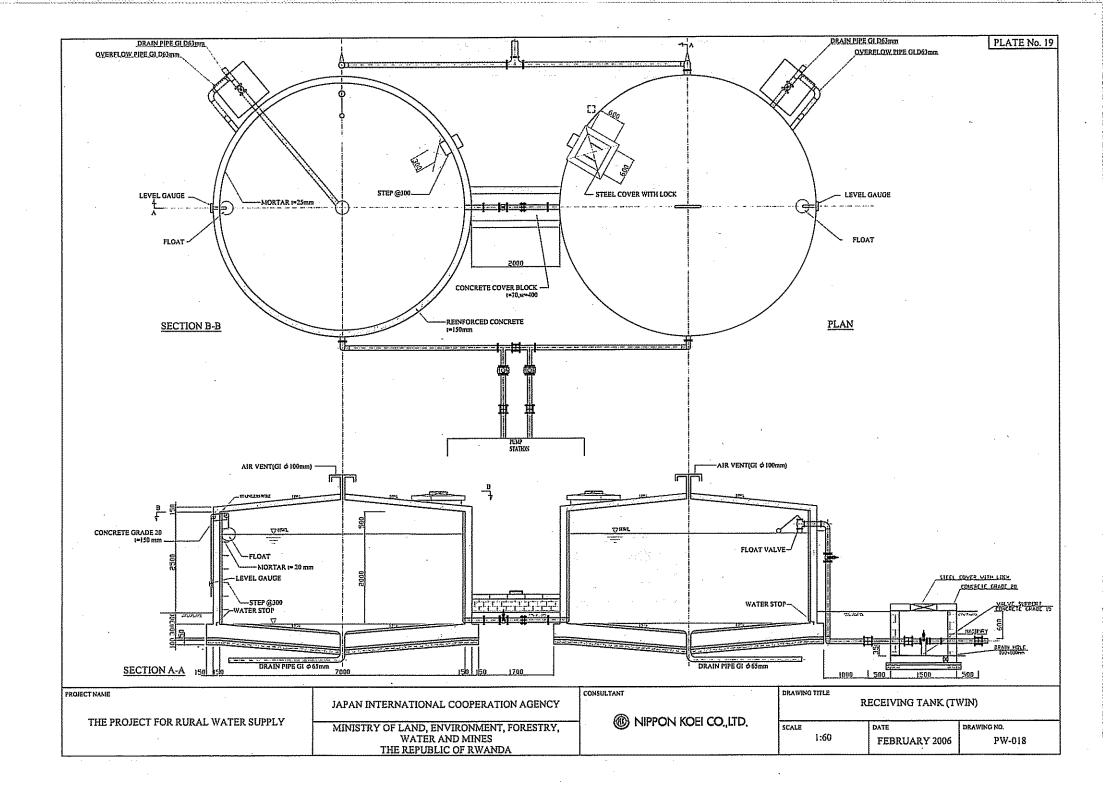
PW-014

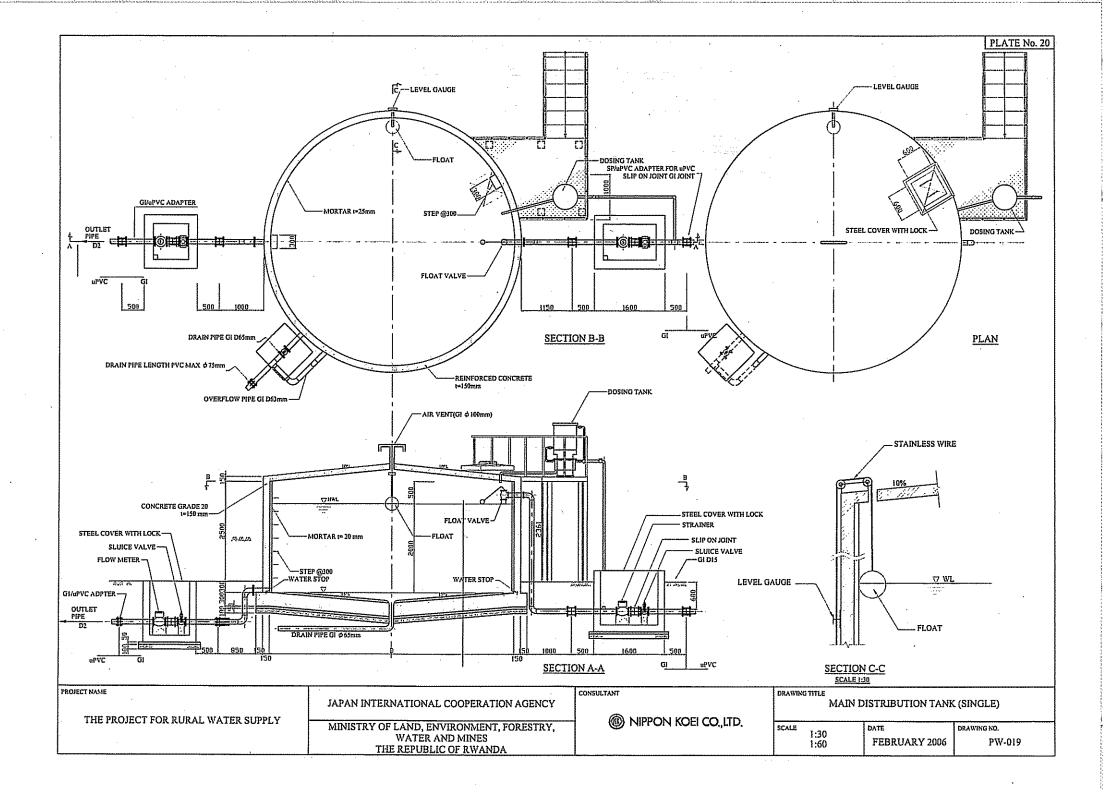
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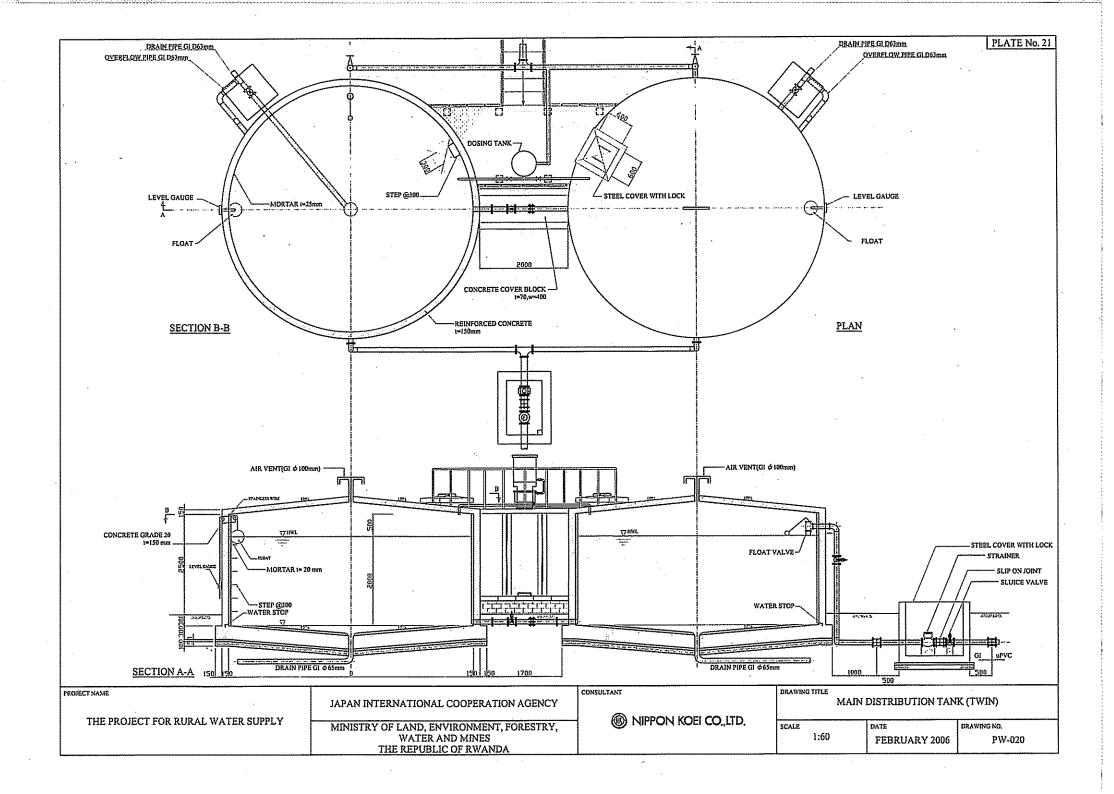


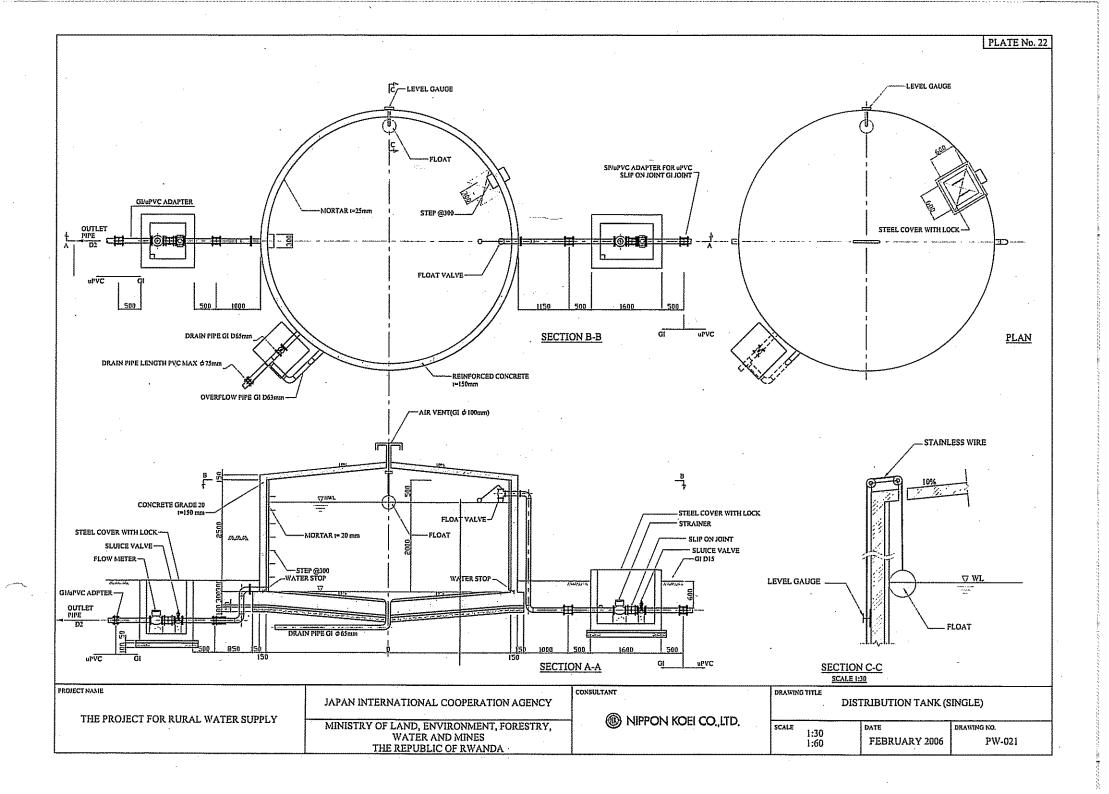


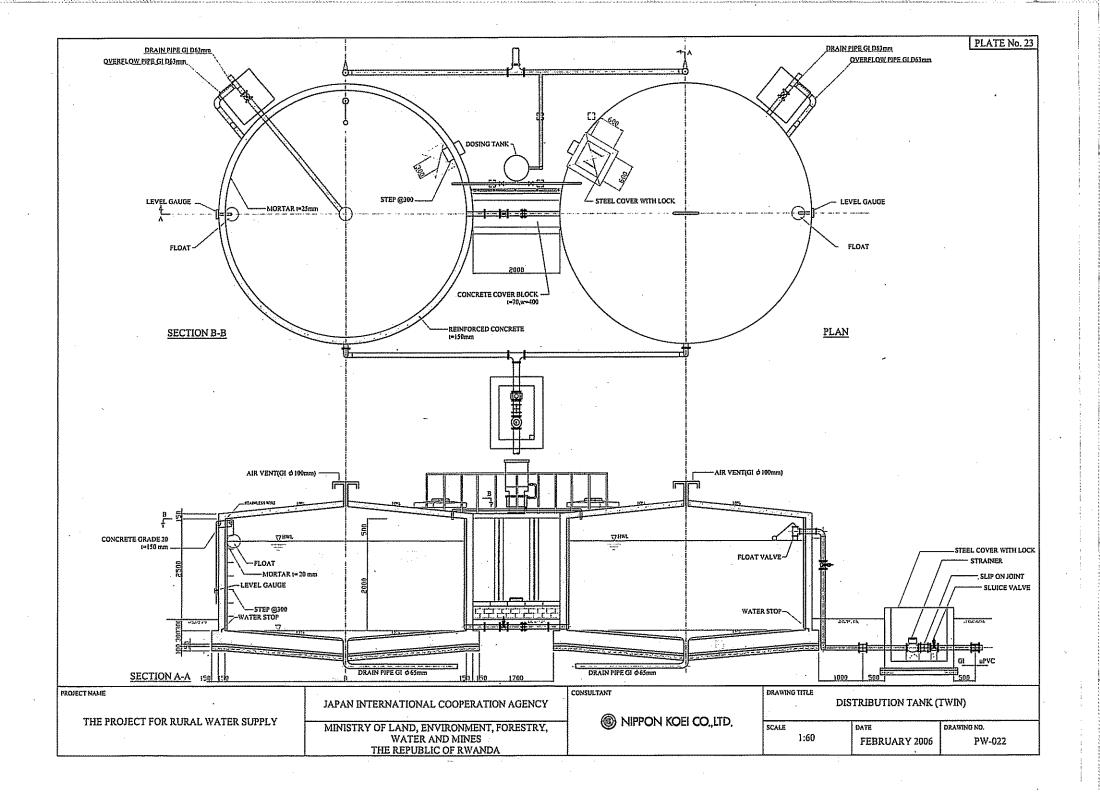


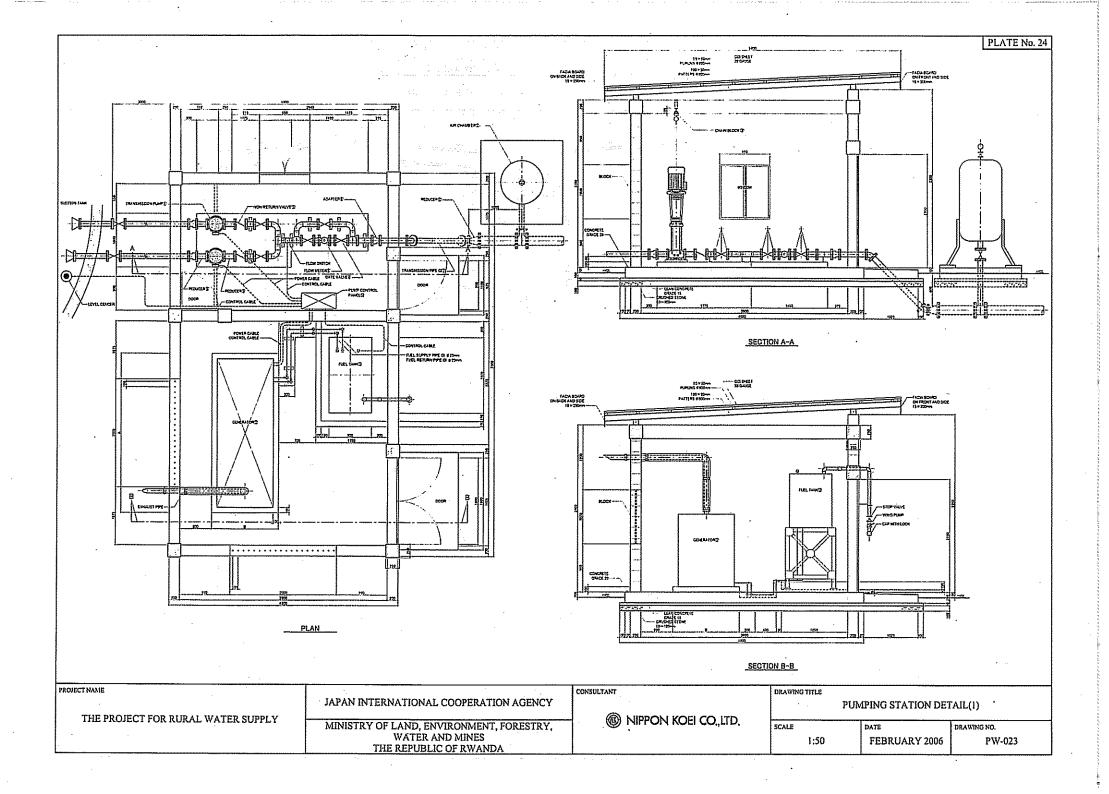






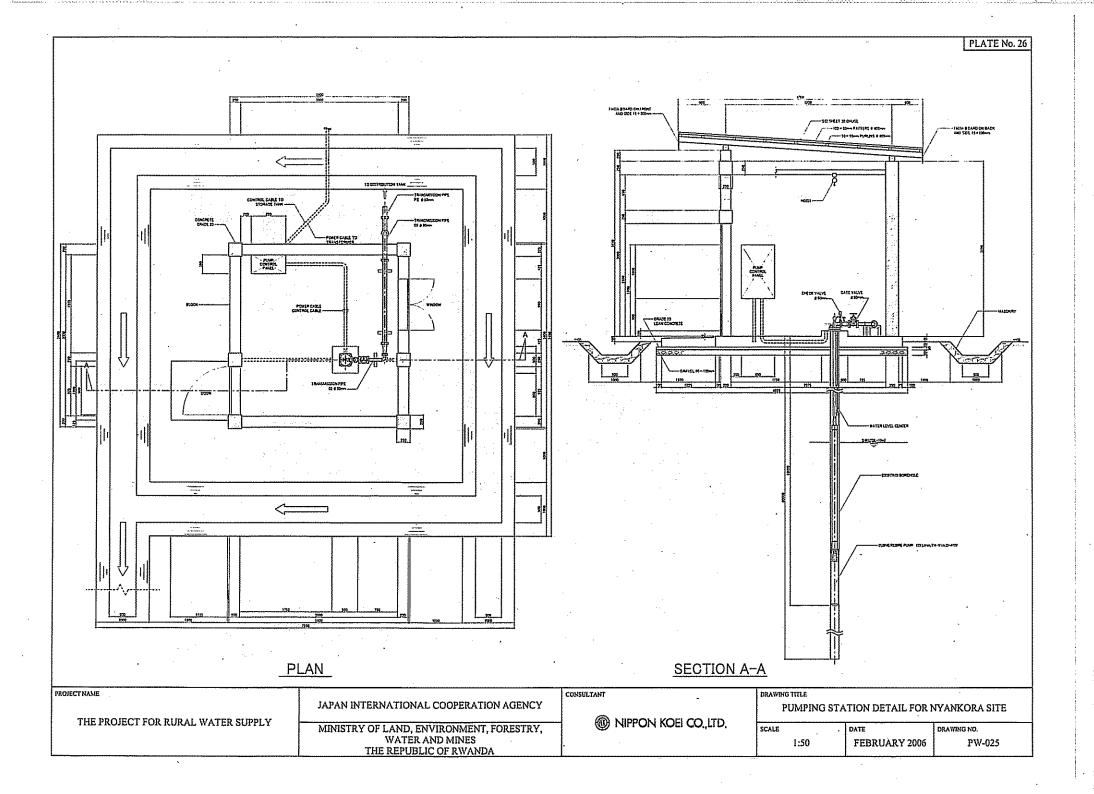


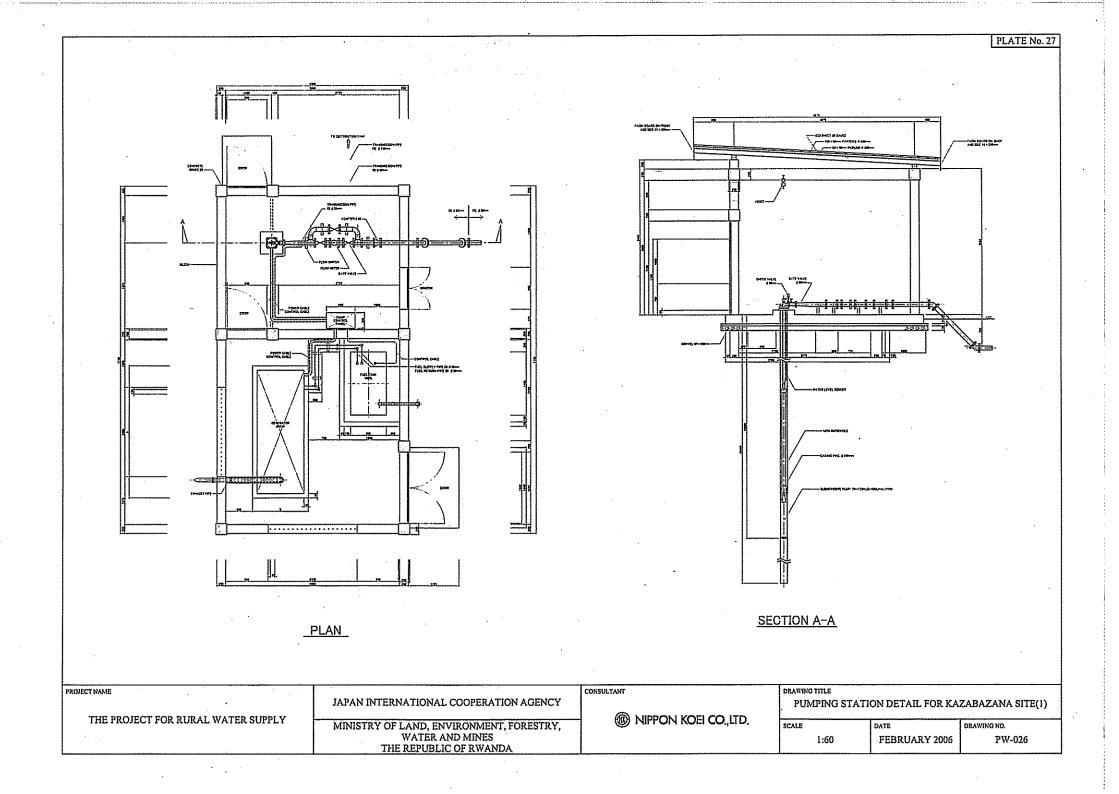


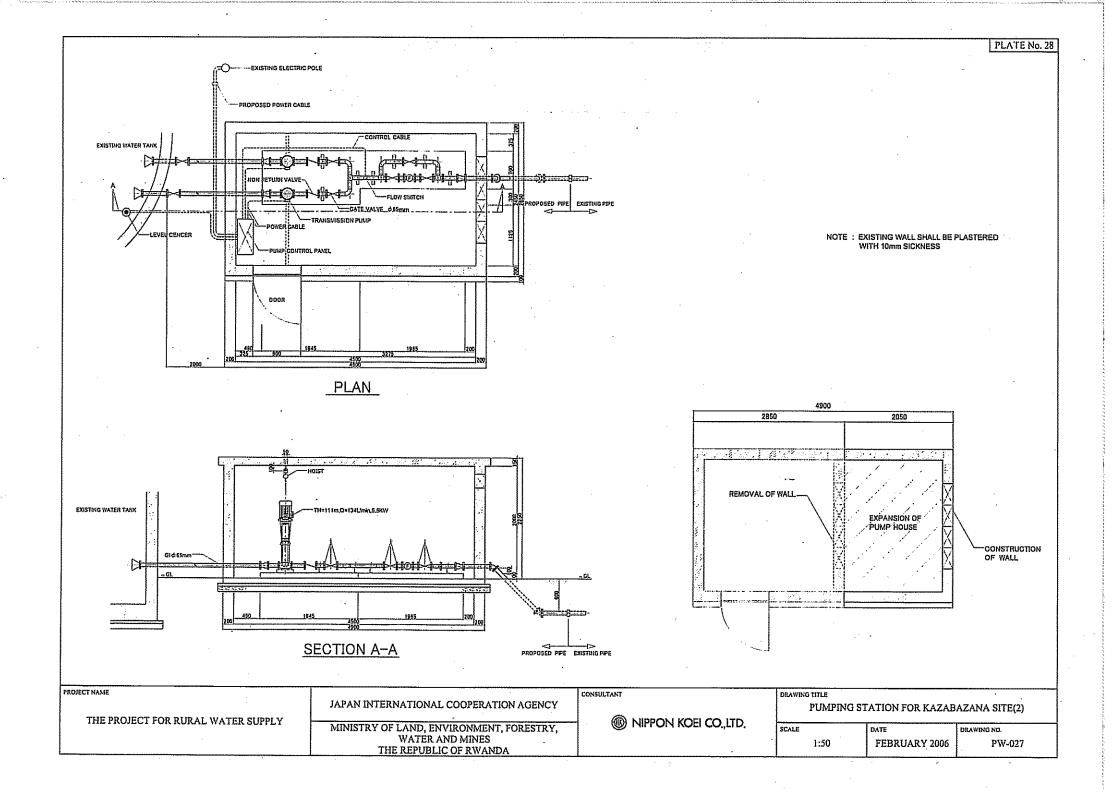


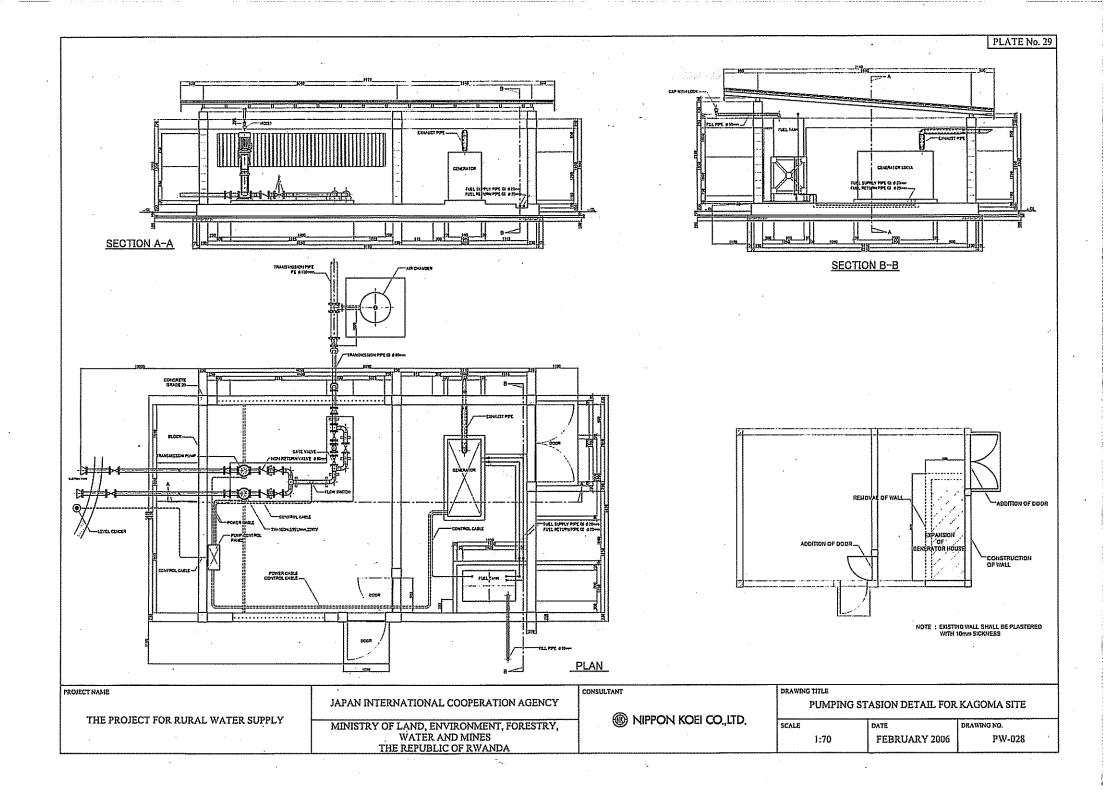
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Mo. Facility	Specification	Unit	a	Specification	Unit	· Q	Specification	Unit	Q	Specification	Unit	a	Specification	Unit	Q S	pecification	Unit	O.	Specification	Unit	Q	Specification	Unit	Q Sp	ecification	Unit	Q
① Transmission Pump	552L/mlnx197 mx30kW	assy		134L/minx111 mx5.5kW	assy		528L/minx112 mx15kW	assy		534L/minx141 mx18.5W	assy	2	159L/minx132 mx7.5W	assy		1L/minx128 (1SkW	assy	2	159L/mlnx132 mx15kW	assy	2	133L/m/nx111 mx5,5kW	assy		3L/mlnx221 18,5kW	assy	
(2) Air Chamber	300 L	assy	1	300 L	assy	1	300 L	assy	1	300 L	assy	1	300 L	assy	1 30	0 L	ossy	1	300 L	assy	1	300 L	assy	1 300) L	assy	
(3) Non Return Valve	080	nos	2	D85	ποσ	2	080	nos	2	D80	nos	2	D65	200	2 D8	0	поз	2	D65	ROS	2	D65	nos	2 069	5	nos	
(⊕-1 Gate Valve	D80	tios	8	D80	nos	2	D80	пов	В	D80	nos	8	D65	nos	. 6 D8	0	поѕ	8	D65	กอร	6	DBS	nos	6 065	5	nos	T
4)-2 Gale Valve				D65	nos	6							D80	กอร	2			1	D80	nos	2	D80	nos	2 D80	0	ποε	1
(5) Flow Meter	DBC	บอร	1	D85	пов	1	D80	nos	1	· 060	nos	1	D65	nos	1 08	0	nos	1	D65	nos	1	DES	nos	1 069	5	nas	1
(g)-1 Adaptor	Dec	1105	3	D80	nos	2	D80	поѕ	3	D80	ROS	3	D65	nos	1 D8	0	поѕ	3	D65	NOS	1	D65	nos	3 065	5	nos	T
(6)-2 Adapter				D85	nos	1							D80	กอร	2				DB0	nos	2			D80	Ö	nos	1
(2)-1 Transmission Pipe Gl	D80	m.	11.8	D65	m	4.6	D80 .	m	11.8	Dao	ED)	11.8	D65	m	4,6 D8	O	m	11.8	D55	п	4.6	D65	m	12 065	5	m	T
(7)-2 Transmission Pipe Gl	D1.50	m	0,7	D80	m	7.1	D150	m	0.7	D125	m	0.7	D80 .	m	7.1 01	25	m	0.7	080	m	7.1			D80	0	m	6
(7)−3 Transmission Pipe Gl																						·		D12	25	m	0
(§) Reducer				40x65	กอร	2							40x65	กจร	2				50x65	nos	2			80x	65	nos	T
(g) Reducer				80x40	пов	2					1			กอร	2				80x50	กอร	2						T
(b) Chain Block	0.5i, 2.5m	nos	1	0.5l, 2.5m	กอร	1	0.5t, 2.5m	กอร	1	0,5t , 2.5m	nos	1	0.5t, 2.5m	กอร	1 0.5	i, 2.5m	nos	. 1	0.5t, 2.5m	វាច់ន	1	0.5t, 2.5m	ROS	1 0.5	l, 2.5m	nos	
(f) Reducer	80x150	ព០ទ	1	65×80	กอร	1	80x150	nos	1	80x125	nos	1	65x80	กอร	1 80:	x125	nos	1	65x125	nos	1			85x	d 2 5	nos	T
(b) Generator	BOXVA	assy	1	20kVA	assy	1	40kVA	assa	1	50kVA	assy	1	20kVA	assy	1 40	kVA	assy	1	45kVA	Besy	1					assy	
(þ FuolTank	1000 L	assa	1	300 L	assy	1	500 L	ossy	1	750 L	assy	1	300 L	assy	1 75	O L	assy	1	750 L	ossy	1					assy	Т
(b) Pump Control Panel	30 kw	assy	1	5,5 kw	assy	1	15 kw	nssy	1	18.5 kw	assy	1	7.5 kw	assy	1 15	kw	ossy	1	15 kw	assy	1	5.5 kv	assy	1 18.5	5 kw	assy	T
do Power Cable	6,0mm2-4C	(F)	5,8	1,5mm2-4C	m	5,8	4.0mm2-4C	m	5.8	4.0mm2-4C	m	5,8	1.5mm2-4C	FIL .	5.8 2.5	imm2-4C	m	5,8	2,5mm2-4C	ın.	5.8	1,5mm2-4C	m	8.4 6.0	mm2-4C	m	4
(f) Control Cable	2,5mm2-4C	m	15,6	2,5mm2-4C	m	15.6	2.5mm2-4C	m	15.5	2.5mm2-4C	ធា	15,6	2.5mm2-4C	m	15.6 2.5	mm2-4C	m	15,6	2.5mm2-4C	m	15.6	2,5mm2-4C	m	10 2.5	mm2-4C	m	10
No. Facility	Kat	adeko		Nyak	agongl		. Gal	ama		Mug	uruka		Kat	ingo	.	Gas	ebura	Ī	Gahara	do-Main		Gaharad	o-Boost	er	Ru	igina	
140. Pacinty	Specification	Unit	a	Specification	Unit	Q	Specification	Unit	Q.	Specification	Unit	Q	Specification	Unit	Q S	pecification	Unit	Q	Specification	Unit	Q	Specification	Unit	Q Sp	ocification	Unll	Q
① Transmission Pump	576L/minx190 mx30kW	assy		447L/minx189 mx22kW	assy	2	192L/minx120 mx7.5kW	assy	2	352L/minx209 mx30kW	assy	2	374Uminx176 mx18.5kW	nssy	71	8L/minx197 22kW	азву		455L/minx157 mx18.5kW	assy	- 7	395L/minx94 mx11kW	sssy	1 71	5L/mlnx195 18.5kW	assy	
(2) Air Chamber	300 L	255Y		300 L	assy		300 L	assy	1	300 L	855Y	1	300 L	yzzg	1 30		assy			assy		300 L	assy	1 1 300		assy	
(1) Non Roturn Valvo	D80	nes		DBO	nos		D65	nos		D65	nos		080	nos	2 D8		nos	2		nas		D80	กอร	2 055		BOS	+
③−1 Gate Valve	D80	nos	8	080	nos		D65	nos	6	D65	nos	- 6	D80	nos	8 08	0	nos	8	080	nas		D80	กอร	8 065	5	nos	
4)-2 Gate Valve		i			1 1		D80	กอร	2	D80	nos	2						— <u> </u>						DBC		ROS	t -
(5) Flow Meter	Dec	nos	1	D80	nos		D65	005		D65	nos	1	D80	20n	1 D8	0	nos		Dec	nos	1	D80	กอร	1 069		ROS	
(6)-1 Adepler	DBC	nos	3	080	201	3	D65	nos	1	D65	nos	1	D80	nos	3 08	0	nos	3	D80	nos	3	D80	лов	3 D65	5	กอร	†
(6)-2 Adeplor		İ''''			1		080	nos	2	080	nos	2					1 1	i						DBC	D	nos	†
(7)-1 Transmission Pipe Gl	DBO	m	11.8	D80	m	11.8	D65	m		D55	m	5	D80	m	11,8 08	10	lm l	11,8	D80	m	11.8	D80	m	11.8 065	5	m	1
(7)-2 Transmission Pipe Gi	D150	m	0.7	D150	m	0.7	D80	m		080	m	6.4	D125	m	0.7 D1	50	III I	0.7		т.		D125	m	0.7 080		m	6
(7)-3 Transmission Pipe Gi		i			1					D125	m	0.7					l i							012	25	m	1 0
(B) Reducer	-				tt		40x65	nos	2	80x65	nes	2					-							80x		nos	1
(B) Reducer	1				1		80x40	nos	2																	 	_
de Chain Block	0.5t, 2.5m	ROS	1	0.5t, 2.5m	nos		0.5L 2.5m	nos	1	0.5t, 2.5m	กอร	. 1	0.5L 2.5m	ROS	1 0.5	t. 2.5m	nos	1	0.5L 2.5m	nos	1	0.5t, 2.5m	nos	1 0.5	Լ 2.5ո	nos	+-
(i) Reducer	80x150	nos		80x150	nos		65×80	NOS		65x125	ព០ន		80x125	nos	1 80	4	nos		, .,	пав		80x125	nos	1 65x		nos	+
(b) Generator	70kVA	assy		SORVA	assy		20kVA	nssy		70kVA	assy			BBSY	1 50		assy		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	assy		30kVA	ossy	1 50k		BSSY	1
6b Fuol Tank	1000 L	assy		1000 L	assy		300 L	055Y		1000 L	8884		750 L	assy	1 75		yaza			0557		750 L	assy	1 750		8559	†
(i) Pump Control Panel	30 kw	assy	<u> </u>	22 kw	BSSy		7.5 kv	DSSY		30 kw	023y	_	18.5 kw	235Y	1 30		ossy			ossy		11 kw	assy	1 18.		BSSY	1
······	6.0mm2-4C	m		4.9mm2-4C	m		1,5mm2-4C	m			m		4.0mm2-4C	m ,	1		lm	i		m		2.5mm2-4C	m			lm	5
87 Lower Choic																											
(b) Power Cable (b) Control Cable	2.5mm2-4C	m	15.6	2,5mm2-4C	im I		2.5mm2-4C	m i			m		2.5mm2-4C	m		mm2-4C	m			m		2.5mm2-4C	m	 	mm2-4C	m	15

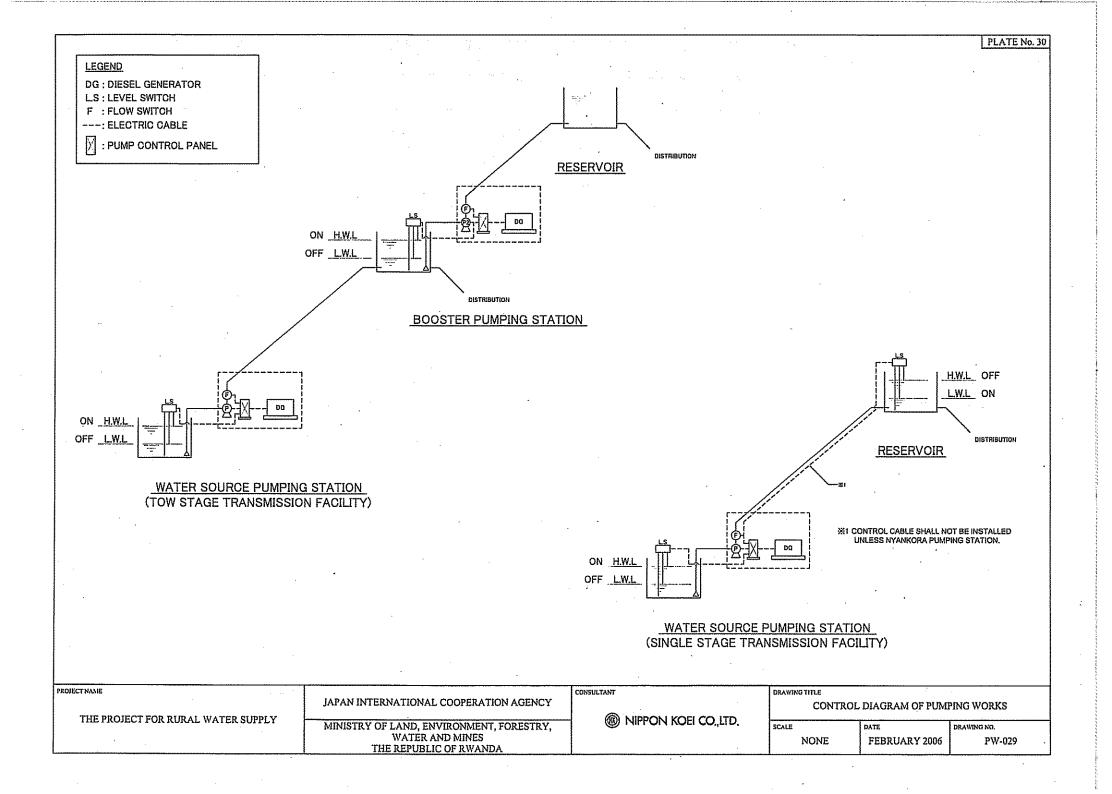
PROJECT NAME		CONSULTANT	DRAWING TITLE				
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THE PROJECT FOR RURAL WATER SUPPLY	MINISTRY OF LAND, ENVIRONMENT, FORESTRY,	® NIPPON KOEI CO.,LTD.	SCALE	DATE	DRAWING NO.		
	WATER AND MINES THE REPUBLIC OF RWANDA	·	NONE	FEBRUARY.2006	PW-024		

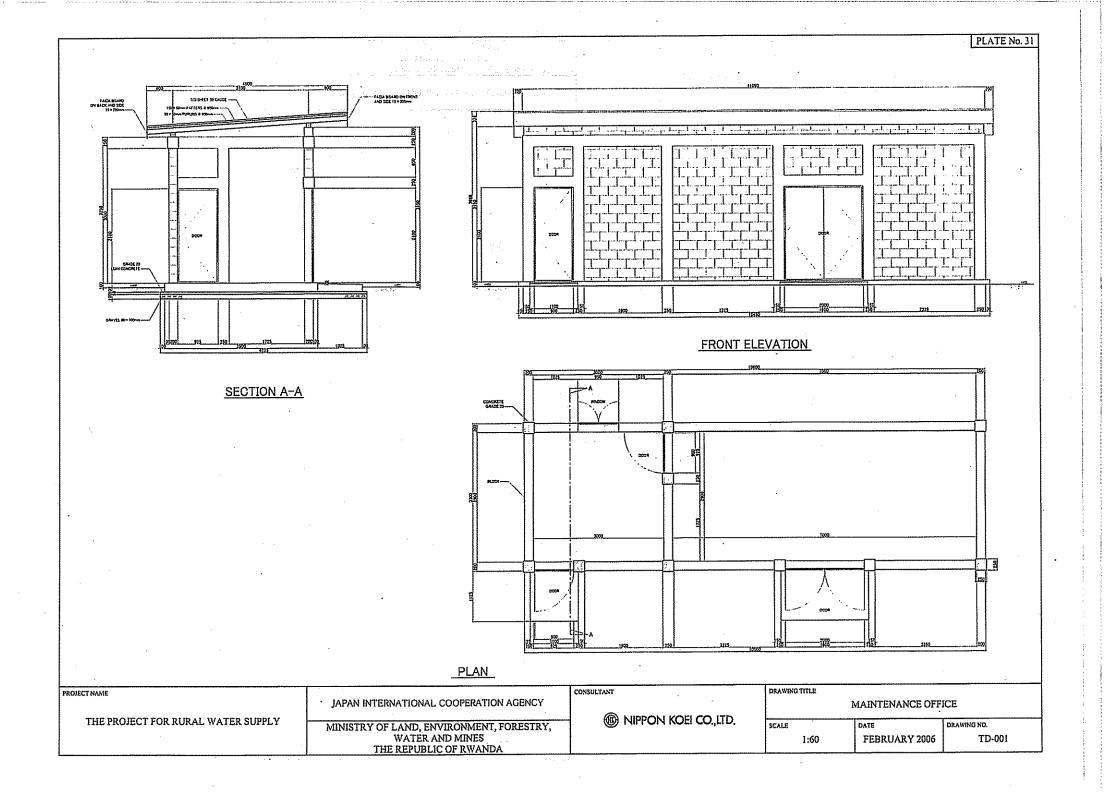


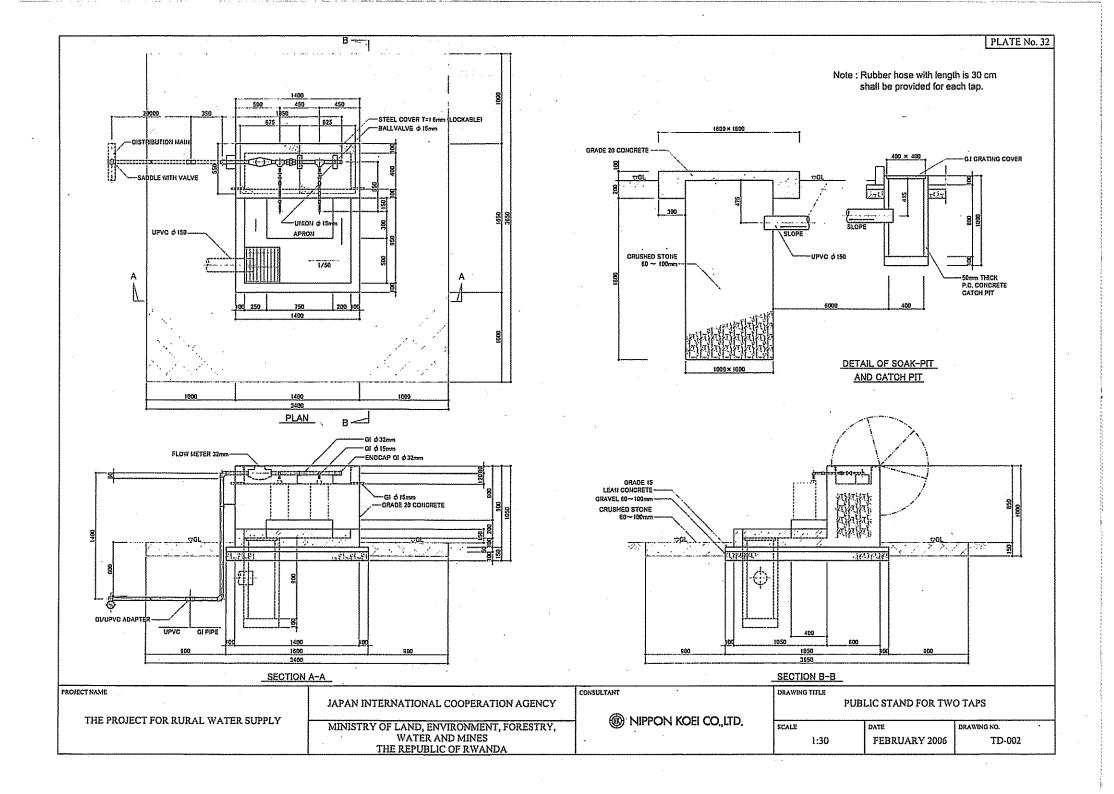


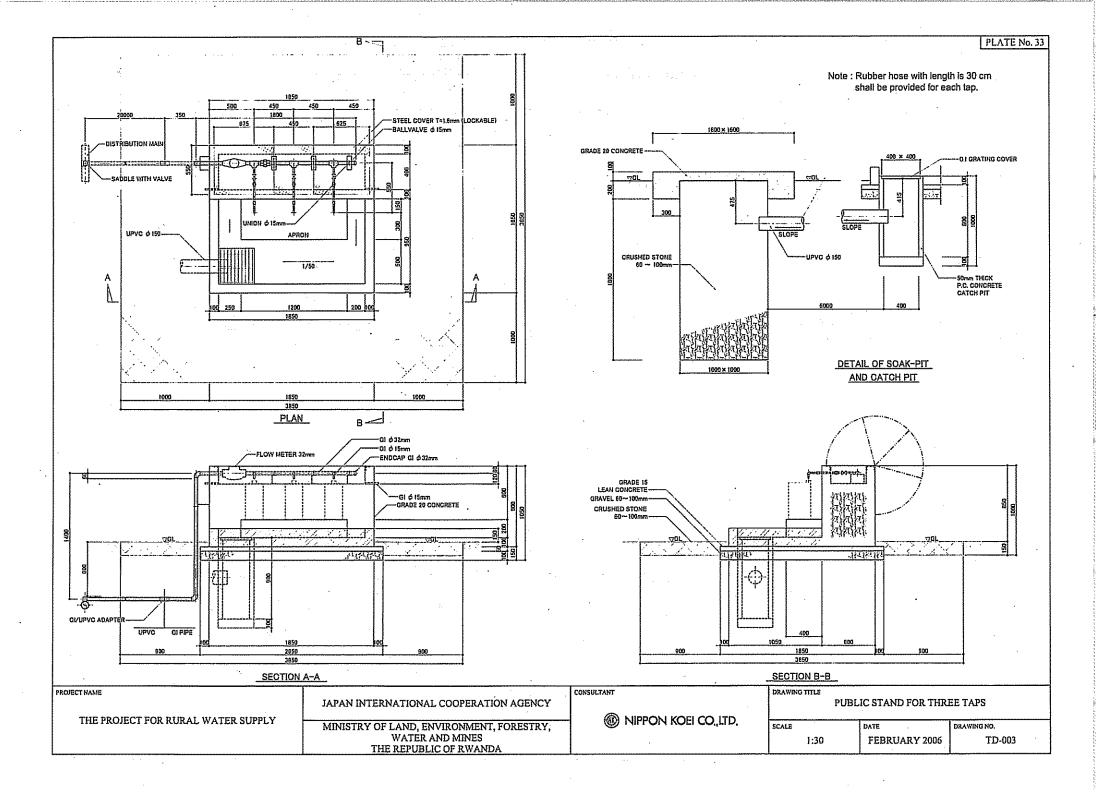


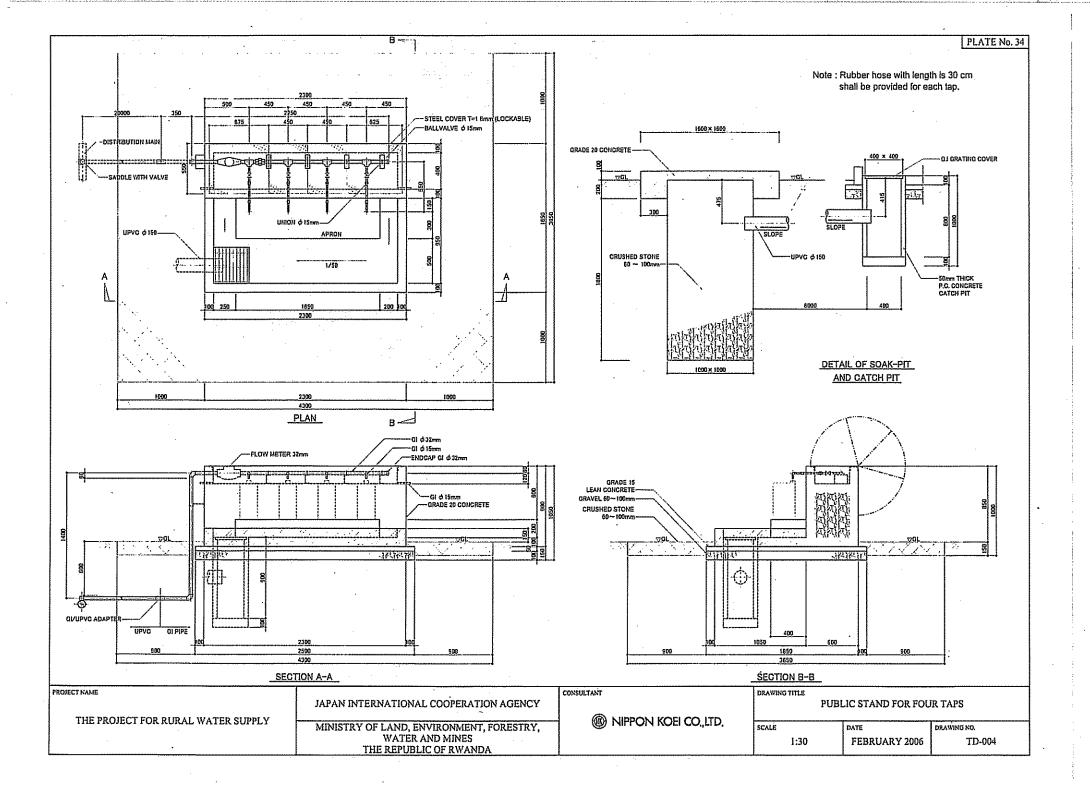




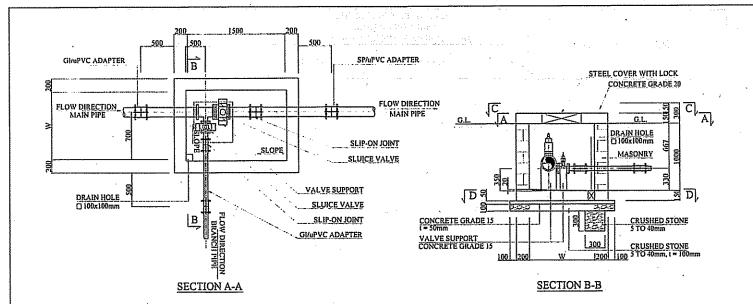


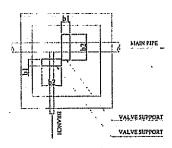




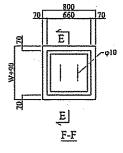


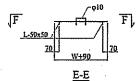






VALVE SUPPORT





STEEL COVER WITH LOCK

			COVER				
	MAIN PIPE	MAIN PIPE IN CHAMBER	BRANCH PIPE	BRANCH PIPE IN CHAMBER	W (mm)	MITH FOCK	
ТҮРЕ А	uPVC 63	GI 50 uPVC 63		GI 50			
	uPVC 75	GI 65	uPVC 63	G1 50	800	2	
	uPVC 75	GI 65	uPVC 75	GI 65			
	₩PVC 90	GI 80	uPVC 63	GI 50			
	uPVC 90	GI 80	uPVC 75	GI 65			
TYPEB	uPVC 90	GI 80	uPVC 90	GI 80	1000	2	
	uPVC 110	GI 100	uPVC 90	GI 80			
-	uPVC 110	G! 100	uPVC 110	GI 100			
	uPVC 125	GI 100	uPVC 125	GI 100			
TYPEC	uPVC 140	GI 125	uPVC 140	GI 125	1400	2	
TYPEC	uPVC 160	GI 150	uPVC 160	GI 150	1400	1 ²	
	uPVC 200	GI 150	12PVC 200	GI 150			

Note : Surface of stone block shall be plastered with 25mm thickness.

: Dimension at valve su	ipport shall change	based on the	valve length
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PROJECT NAME	`	CONSULTANT	DRAWING TITLE			
	JAPAN INTERNATIONAL COOPERATION AGENCY		: '	VALVE CHAMBER		
THE PROJECT FOR RURAL WATER SUPPLY	MINISTRY OF LAND, ENVIRONMENT, FORESTRY,	MIPPON KOEI CO.,LTD.	SCALE	DATE	DRAWING NO.	
	WATER AND MINES THE REPUBLIC OF RWANDA		1:40	FEBRUARY 2006	TD-005	

