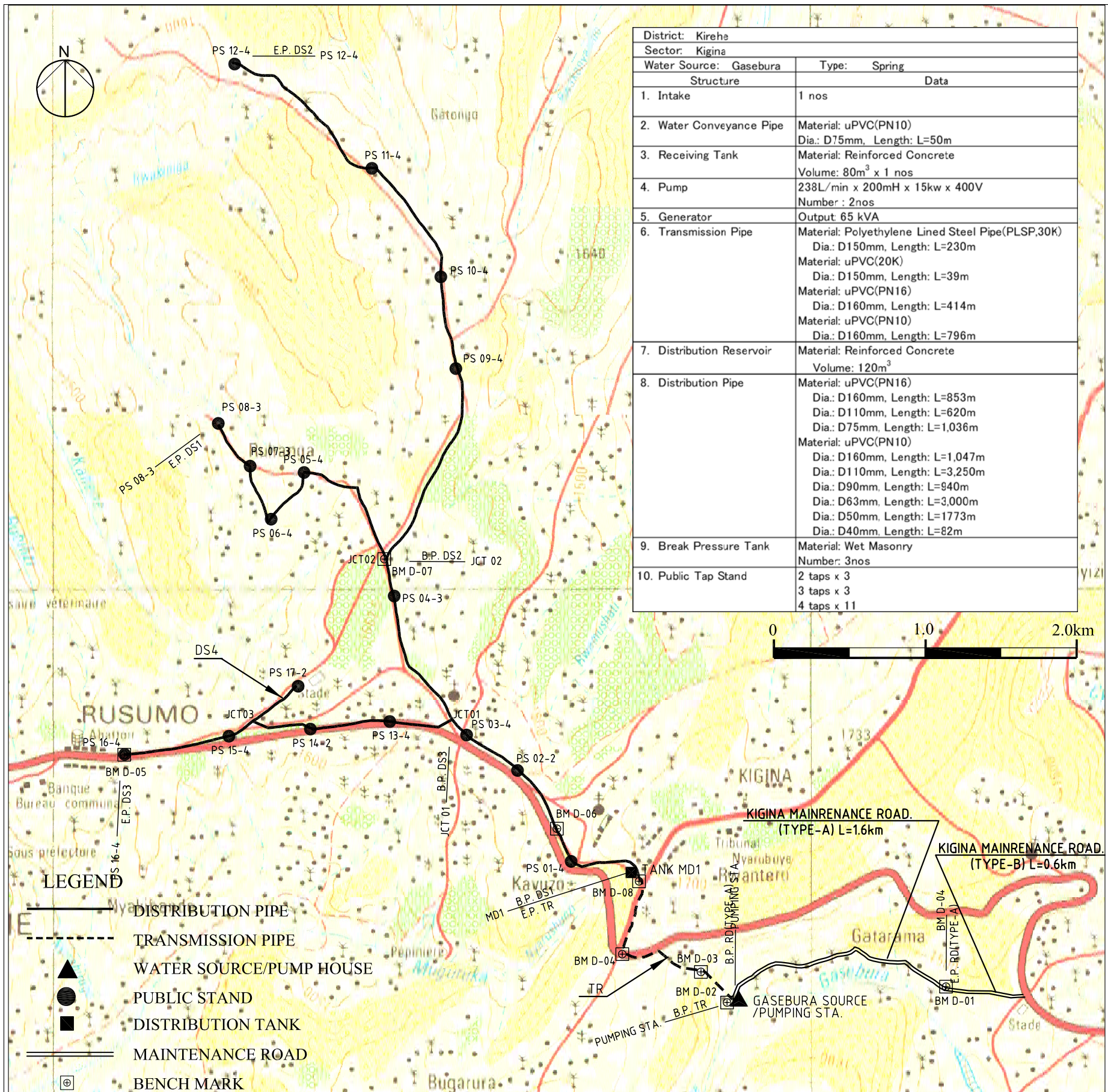


PLATE No.



District: Kirehe	
Sector: Kigina	
Water Source: Gasebura	Type: Spring
Structure	Data
1. Intake	1 nos
2. Water Conveyance Pipe	Material: uPVC(PN10) Dia.: D75mm, Length: L=50m
3. Receiving Tank	Material: Reinforced Concrete Volume: 80m ³ x 1 nos
4. Pump	238L/min x 200mH x 15kw x 400V Number : 2nos
5. Generator	Output: 65 kVA
6. Transmission Pipe	Material: Polyethylene Lined Steel Pipe(PLSP,30K) Dia.: D150mm, Length: L=230m Material: uPVC(20K) Dia.: D150mm, Length: L=39m Material: uPVC(PN16) Dia.: D160mm, Length: L=414m Material: uPVC(PN10) Dia.: D160mm, Length: L=796m
7. Distribution Reservoir	Material: Reinforced Concrete Volume: 120m ³
8. Distribution Pipe	Material: uPVC(PN16) Dia.: D160mm, Length: L=853m Dia.: D110mm, Length: L=620m Dia.: D75mm, Length: L=1,036m Material: uPVC(PN10) Dia.: D160mm, Length: L=1,047m Dia.: D110mm, Length: L=3,250m Dia.: D90mm, Length: L=940m Dia.: D63mm, Length: L=3,000m Dia.: D50mm, Length: L=1773m Dia.: D40mm, Length: L=82m
9. Break Pressure Tank	Material: Wet Masonry Number: 3nos
10. Public Tap Stand	2 taps x 3 3 taps x 3 4 taps x 11

NO.	No. of TAPs	ZONE	EASTING (m)	NORTHING (m)	ELEVATION (mAMSL)
1	4	36M	244,836	9,747,802	1656
2	2	36M	244,480	9,748,407	1616
3	4	36M	244,142	9,748,634	1602
4	3	36M	243,661	9,749,548	1649
5	4	36M	243,072	9,750,364	1667
6	4	36M	242,846	9,750,053	1650
7	3	36M	242,714	9,750,404	1637
8	3	36M	242,369	9,750,805	1604
9	4	36M	244,083	9,751,050	1622
10	4	36M	243,972	9,751,647	1638
11	4	36M	243,532	9,752,357	1637
12	4	36M	242,596	9,753,066	1590
13	4	36M	243,646	9,748,719	1605
14	2	36M	243,112	9,748,676	1626
15	4	36M	242,573	9,748,623	1637
16	4	36M	241,883	9,748,500	1630
17	2	36M	243,021	9,748,955	1654

Note: Coordinates are indicating the points of branch on main pipe.

NO.	ZONE	EASTING (m)	NORTHING (m)	ELEVATION (mKigina/Kirehe Local)
BM D-04	36M	247307.39	9746969.61	1471.78
BM D-05	36M	245862.00	9746865.00	1518.81
BM D-06	36M	245689.82	9747066.92	1618.73
BM D-07	36M	245170.39	9747184.25	1674.01
BM D-08	36M	245281.19	9747664.59	1690.34
BM D-09	36M	244739.06	9748011.92	1639.84
BM D-10	37M	243599.22	9749790.87	1654.21
BM D-11	38M	241882.87	9748499.57	1629.92

Note: Ellipsoid: WGS1984

PIPE LINE NAME	B.P.	E.P.	PIPE DIAMETER / LENGTH
WATER CONVEYANCE PIPE			
CO	GASEBURA W.S.	COLLECTION TANK	DN75, L=50
TRANSMISSION PIPE			
TR	PUMPING STA.	TANK MD1	DN150-PLSP/30K, L=230 DN150-uPVC/20K, L=39m DN160-uPVC/PN16, L=414m DN160, L=796m
DISTRIBUTION PIPE			
DS1	TANK MD1	PS08-3	DN160-uPVC/PN16, L=853m DN110-uPVC/PN16, L=620m DN160, L=1,047m DN110, L=612m DN90, L=940m DN63, L=333m DN50 L=1,093m
DS2	JCT02	PS12-4	DN110, L=2,638m DN63, L=1,631m DN40 L=82m
DS3	JCT01	PS16-4	DN75-uPVC/PN16, L=1,036m DN63 L=1036m DN50 L=286m
DS4	JCT03	PS17-2	DN50 L=394m

(Pipe class is uPVC PN10 unless otherwise mentioned)

PROJECT NAME IMPLEMENTATION REVIEW STUDY ON THE PROJECT FOR RURAL WATER SUPPLY	
CLIENT MINISTRY OF INFRASTRUCTURE RWANDA	JAPAN INTERNATIONAL COOPERATION AGENCY
TITLE KIGINA WATER SUPPLY SCHEME GENERAL PLAN OF KIGINA SCHEME	
DATE March 2010	SCALE 1:30000
APPROVE	DESIGN
DRAWING NO. KG_GN_010	

Figure 2-7 General Layout Map of Kigina Site