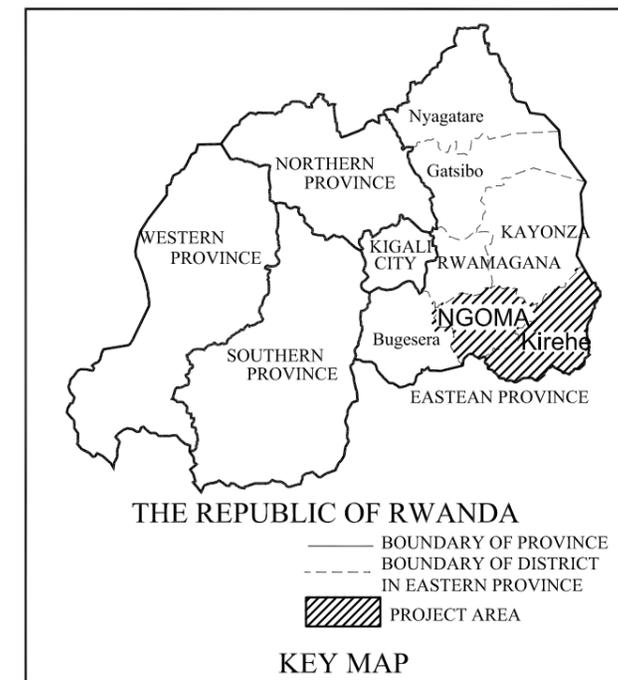
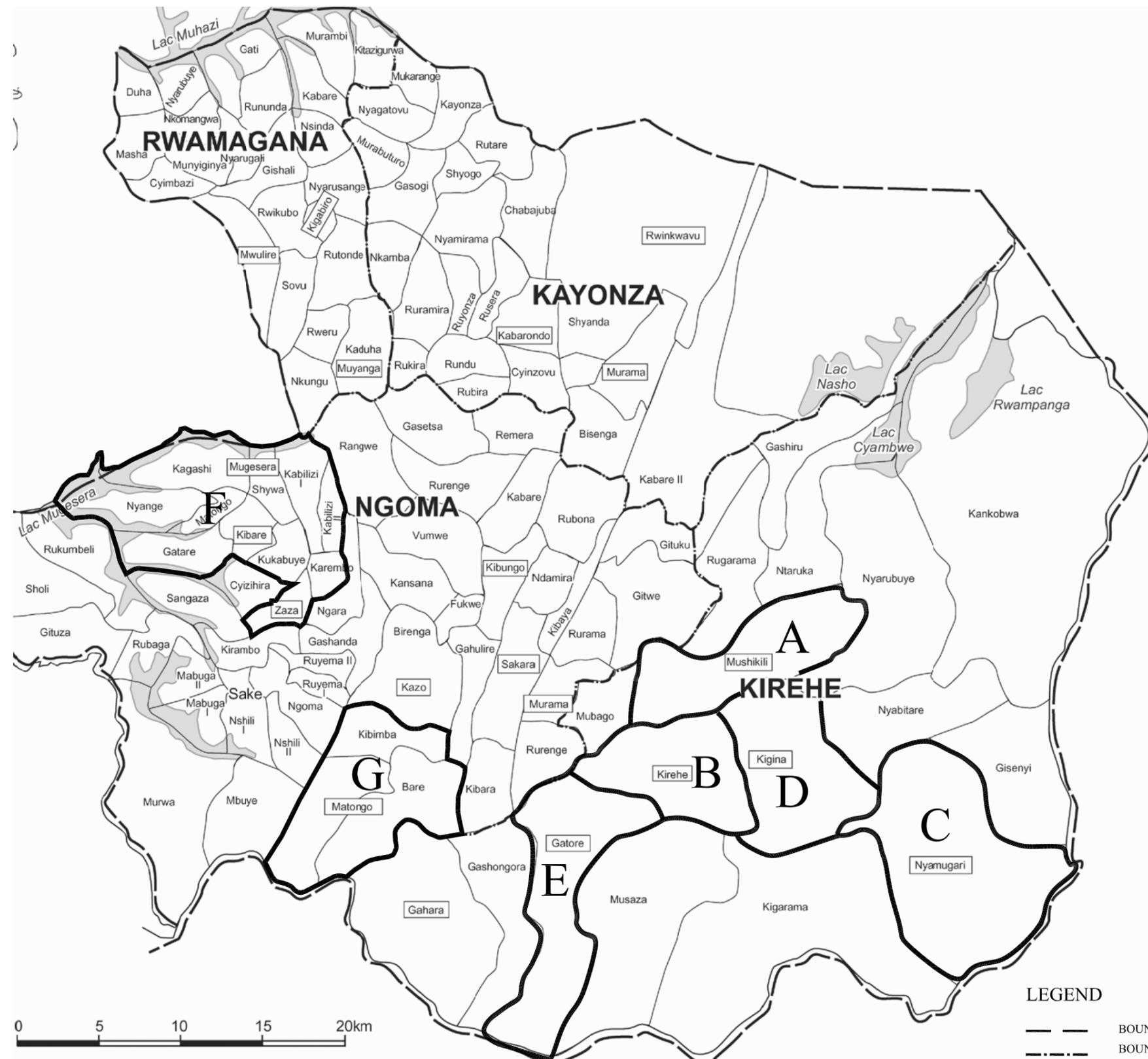


3-2-3 概略設計図

本計画で建設が予定される給水施設の基本設計図は、次に示す通りである。

- (1) 対象サイト位置図 (図3-3)
- (2) 各サイト計画概要平面図 (図3-4～図3-10)
- (3) 取水施設構造図 (図3-11)
- (4) 機械室 (ポンプ、発電機室) 平面・断面図 (図3-12)
- (5) 配水池平面・断面図 (図3-13)
- (6) 塩素滅菌設備構造図 (図3-14)
- (7) 公共水栓構造図 (図3-15)

PLATE No.



LOCATION OF PROJECT SITE		
SCHEME NAME	SECTOR	WATER SOURCE
PIPED WATER SUPPLY WITH MOTOR PUMP		
A. Mushikiri Scheme	Mushikiri	Nyakagongi
B. Kirehe Scheme	Kirehe	Muguruka , Gahama
D. Kigina Scheme	Kigina	Gasebura
E. Gatore Scheme	Gatore	Samuko-A
F. Karembo Zaza Mugesera Scheme	Karembo, Zaza, Mugesera	Rwartene , Kabashuko , Kabaromba
G. Kazo Mutendeli Scheme	Kazo, Mutendeli	Kogoma , Musenyi
PIPED WATER SUPPLY WITH GRAVITY FLOW		
C. Nyamugari Mahama Scheme	Nyamugari, Mahama	Mayizi , Cyanyiranyonza
HANDPUMP WATER SUPPLY SCHEME		
E. Gatore Scheme	Gatore	

LEGEND

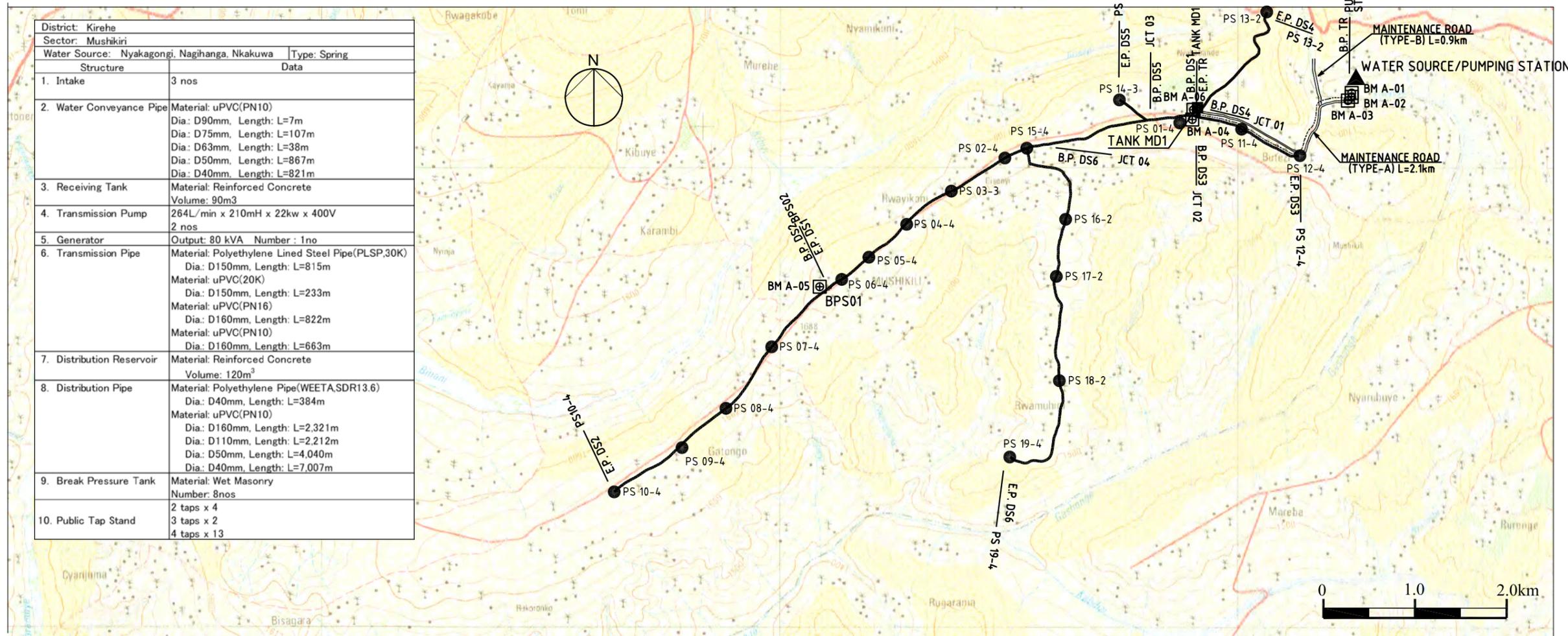
- BOUNDARY OF FORMER KIBUNGO PROVINCE
- - - BOUNDARY OF DISTRICT
- NAME OF SECTOR

DRAWING ISSUED FOR TENDER PURPOSES ONLY

LOCATION MAP OF THE PROJECT

PROJECT NAME IMPLEMENTATION REVIEW STUDY ON THE PROJECT FOR RURAL WATER SUPPLY				
CLIENT MINISTRY OF INFRASTRUCTURE RWANDA		JAPAN INTERNATIONAL COOPERATION AGENCY		
TITLE LOCATION MAP OF THE PROJECT				
DATE March 2010	SCALE N.T.S.	APPROVE	DESIGN	DRAWING NO. GN_010

図3-3 対象サイト位置図



District: Kirehe	
Sector: Mushikiri	
Water Source: Nyakagongi, Nagihanga, Nkakuwa Type: Spring	
Structure	Data
1. Intake	3 nos
2. Water Conveyance Pipe	Material: uPVC(PN10) Dia: D90mm, Length: L=7m Dia: D75mm, Length: L=107m Dia: D63mm, Length: L=38m Dia: D50mm, Length: L=867m Dia: D40mm, Length: L=821m
3. Receiving Tank	Material: Reinforced Concrete Volume: 90m ³
4. Transmission Pump	264L/min x 210mH x 22kw x 400V 2 nos
5. Generator	Output: 80 kVA Number: 1no
6. Transmission Pipe	Material: Polyethylene Lined Steel Pipe(PLSP,30K) Dia: D150mm, Length: L=815m Material: uPVC(20K) Dia: D150mm, Length: L=233m Material: uPVC(PN16) Dia: D160mm, Length: L=822m Material: uPVC(PN10) Dia: D160mm, Length: L=663m
7. Distribution Reservoir	Material: Reinforced Concrete Volume: 120m ³
8. Distribution Pipe	Material: Polyethylene Pipe(WEETA,SDR13.6) Dia: D40mm, Length: L=384m Material: uPVC(PN10) Dia: D160mm, Length: L=2,321m Dia: D110mm, Length: L=2,212m Dia: D50mm, Length: L=4,040m Dia: D40mm, Length: L=7,007m
9. Break Pressure Tank	Material: Wet Masonry Number: 8nos
10. Public Tap Stand	2 taps x 4 3 taps x 2 4 taps x 13

LEGEND

- DISTRIBUTION PIPE
- TRANSMISSION PIPE
- WATER SOURCE/PUMP HOUSE
- PUBLIC STAND
- DISTRIBUTION TANK
- MAINTENANCE ROAD TO BE CONSTRUCTED BY THE CONTRACTOR
- BENCH MARK

DRAWING ISSUED FOR TENDER PURPOSES ONLY

Pipe Route: Mushikiri

PIPE LINE NAME	B.P.	EP.	PIPE DIAMETER / LENGTH
WATER CONVEYANCE PIPE			
CO1	NYAGIHANGA W.S.	JCT02	DN40, L=821m
CO2	NYAKAGONGI W.S.	COLLECTION TANK	DN90, L=7m
			DN75, L=107m
			DN63, L=38m
CO3	NKAKUWA W.S.	JCT01	DN50, L=867m
TRANSMISSION PIPE			
TR	PUMPING STA	TANK MD1	DN150-PLSP/30K, L=815m
			DN150-uPVC/20K, L=233m
			DN160-uPVC/PN16, L=822m
			DN160-uPVC/PN10, L=663m
DISTRIBUTION PIPE			
DS1	TANK MD1	BPT02	DN160 L=2,321m DN110 L=2,212m DN50 L=596m
DS2	BPT02	PS10-4	DN50 L=3,444m
DS3	JCT02	PS12-4	DN40 L=1,229m
DS4	JCT01	PS13-2	DN40 L=947m
DS5	JCT03	PS14-2	DN40 L=389m
DS6	JCT04	PS19-4	DN40 L=4,442m

(Pipe class is uPVC PN10 unless otherwise mentioned)

NO.	No. of TAPs	ZONE	EASTING (m)	NORTHING (m)	ELEVATION (mAMSLL)
1	4	36M	245900	9760161	1772
2	4	36M	243849	9759697	1716
3	3	36M	243264	9759336	1715
4	4	36M	242799	9759012	1715
5	4	36M	242559	9758762	1725
6	4	36M	241995	9758334	1719
7	4	36M	241303	9757637	1674
8	4	36M	240930	9757077	1663
9	4	36M	240539	9756767	1660
10	4	36M	239583	9756054	1655
11	4	36M	246433	9760012	1735
12	4	36M	247070	9759720	1671
13	2	36M	246749	9761248	1692
14	3	36M	245099	9760330	1738
15	4	36M	244092	9759803	1715
16	2	36M	244512	9759028	1651
17	2	36M	244411	9758405	1607
18	2	36M	244442	9757286	1545
19	4	36M	243907	9756435	1521

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

NO.	ZONE	EASTING (m)	NORTHING (m)	ELEVATION (mMushikiri)
BM A-01	36M	247635.70	9760405.98	1575.37
BM A-02	36M	247636.43	9760363.35	1576.20
BM A-03	36M	247594.56	9760323.16	1586.59
BM A-04	36M	245942.52	9760168.47	1775.47
BM A-05	36M	241919.70	9758292.10	1716.40
BM A-06	36M	246094.19	9760375.45	1780.37

Note: Ellipsoid WGS1984

PROJECT NAME	IMPLEMENTATION REVIEW STUDY ON THE PROJECT FOR RURAL WATER SUPPLY		
CLIENT	MINISTRY OF INFRASTRUCTURE RWANDA	JAPAN INTERNATIONAL COOPERATION AGENCY	
TITLE	MUSHIKIRI WATER SUPPLY SCHEME GENERAL PLAN OF MUSHIKIRI SCHEME		
DATE	March 2010	SCALE	1:50000
APPROVE		DESIGN	
DRAWING NO.	MS_GN_010		

図3-4 計画概要平面図 (ムシキリスキーム)