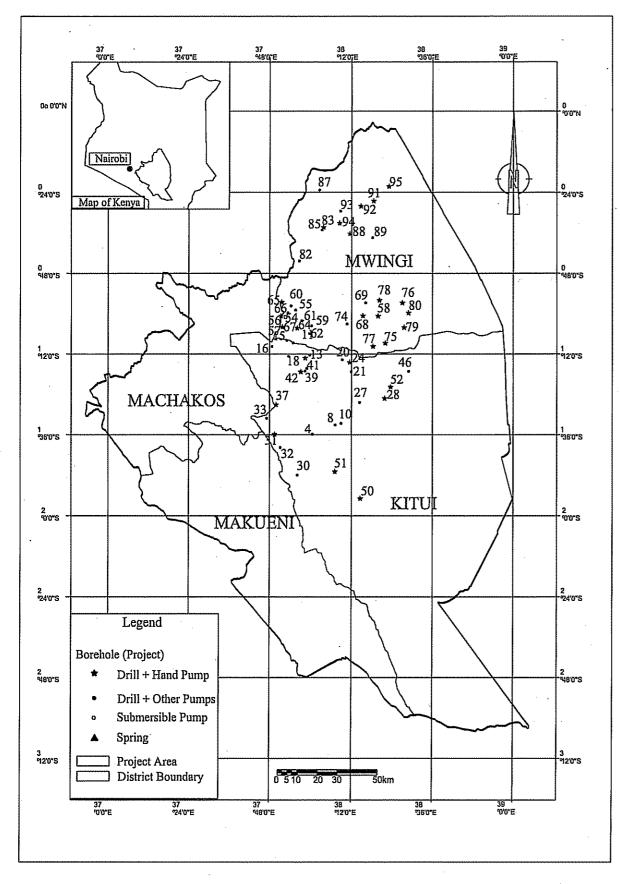
7.12 基本設計図面集



No. Location	District	Division	Proposed Village / Community	Latitude	Longitude
1 4	Kitui	Chuluni	Nguuni	01°34′56″S	38°00'22''E
2 8	ansedi	· ····································	Kanzauwu	01°32'55"S	38°07'48''E
3 10]		Kaluva secondary school	01°33'00"S	38°09'00"E
4 11	ŀ	Mutonguni	Kyangulu	01°11'06''S	37°57'34"E
5 13		mandiguit	Ilako Mututa secondary school	01°12'30"S	37°58'00"E
6 15			Kakeani secondary school	01°08'56"S	37°54'36"E
7 16		4	Kasakini	01°10'19"S	37°49'54''E
				01°13'08"S	37°54'19"E
8 18	-	35 274	Kasue secondary school	01°15′00"S	38°10'00"E
9 20		Mutito	St. Mary's Miambani	01°17'00"S	38°17'25"E
10 21			Kawala	01°18'00"S	38°12'00"E
11 24			Kabati	01°27'00"S	38°19'00"E
12 27	.		Katikoni	01°24'54"S	38°23'02"E
13 28	ŀ		Makongo		
14 30		Yatta	Kanyongonyo	01°47′05"S	37°55'51"E
15 31			Nthongoni	01°36′00''S	37°49'28''E
16 32			Kalulini	01°38'55"S	37°50'42"E
7 33			Muselele	01°31'34''S 01°29'08''S	37°46'45"E
18 37			Ngava		37°47'16''E
19 39		Matinyani	Kunikila	01°17'44"S	37°58'31"E
20 41			Kyaani secondary school	01°17'00"S	37°58'54"E
21 42	Į		Kakumuti	01°17'42''S 01°20'09''S	37°57'29''E 38°32'03''E
22 46	ŀ		Endau secondary		
23 50		Ikutha	Mwala	01°53'34"S	38°14'21"E
24 51			Kyatune	01°46'36"S	38°06'55''E
25 52		Mwitika	Yuku	01°21'00"S	38°26'00''E
26 54	Mwingi	Migwani	Yenzuva	01°59'47''S	37°54'03''E
27 55			Winzeei	00°58'02"S	37°55'16"E
28 56			Katuyu	01°00'46"S	37°52'00"E
29 57			Kakuluto	01°04'00"S	37°52'21''E
30 58			Makengekani	00°59'47''S	38°19'12''E
31 59			Itumbi	01°02'44"S	38°00'00"E
32 60			Kyusyani	00°56'46"S	37°53'57''E
33 61			Kavaini	01°01'14"S	37°57'10"E
34 62			Nzauni	01°07'06"S	38°00'33"E
35 64			Kasanga	01°04'16"S	37°56'43"E
36 65			Mavui	00°56'42"S	37°52'10"E
37 66			Ndaluni	01°01'30"S	37°51'04''E
38 67	l		Katoteni	01°05'36''S	37°53'50"E
39 68	Ī	Mui	Itiko	00°59'24''S	38°15'17''E
40 69			Yumbu	00°55'55''S	38°16'03"E
41 74			Miambani	01°03'29"S	38°10'50"E
42 75	ſ	Nuu	Mutula	01°06'30''S	38°21'07''E
43 76		;	Yatwa .	00°55'04''S	38°26'45"E
14 77			Nyaani .	01°09'13"S	38°18'08"E
45 78			Muangeni	00°55'07''S	38°20'13"E
46 79			Engamba	01°06'00''S	38°28'00"E
47 80			Ndunguni	01°00'21''S	38°28'44''E
18 82		Mumoni	Tyaa Kamuthale	00°43'25''S	37°56'22''E
9 83			Ndatha	00°34'24''S	38°04'43"E
85			Ndathani	00°34'15"S	38°03'10''E
1 87			Miramba Ikamba	00°23'26"S	38°02'16''E
2 88	ľ	Kyuso	Muruu	00°36'20"S	38°12'40''E
3 89			Kamusiliu	00°36'32"S	38°18'07''E
34 91			Kamula	00°26'45"S	38°19'45''E
55 92			Twimiwa .	00°28'10"S	38°15'52"E
56 93			Masevi	00°28'41''S	38°08'40''E
57 94			Kandwia	00°33'15"S	38°09'30"E
58 95			Kyanika	00°21'45''S	38°22'45"E

OWNER:

THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

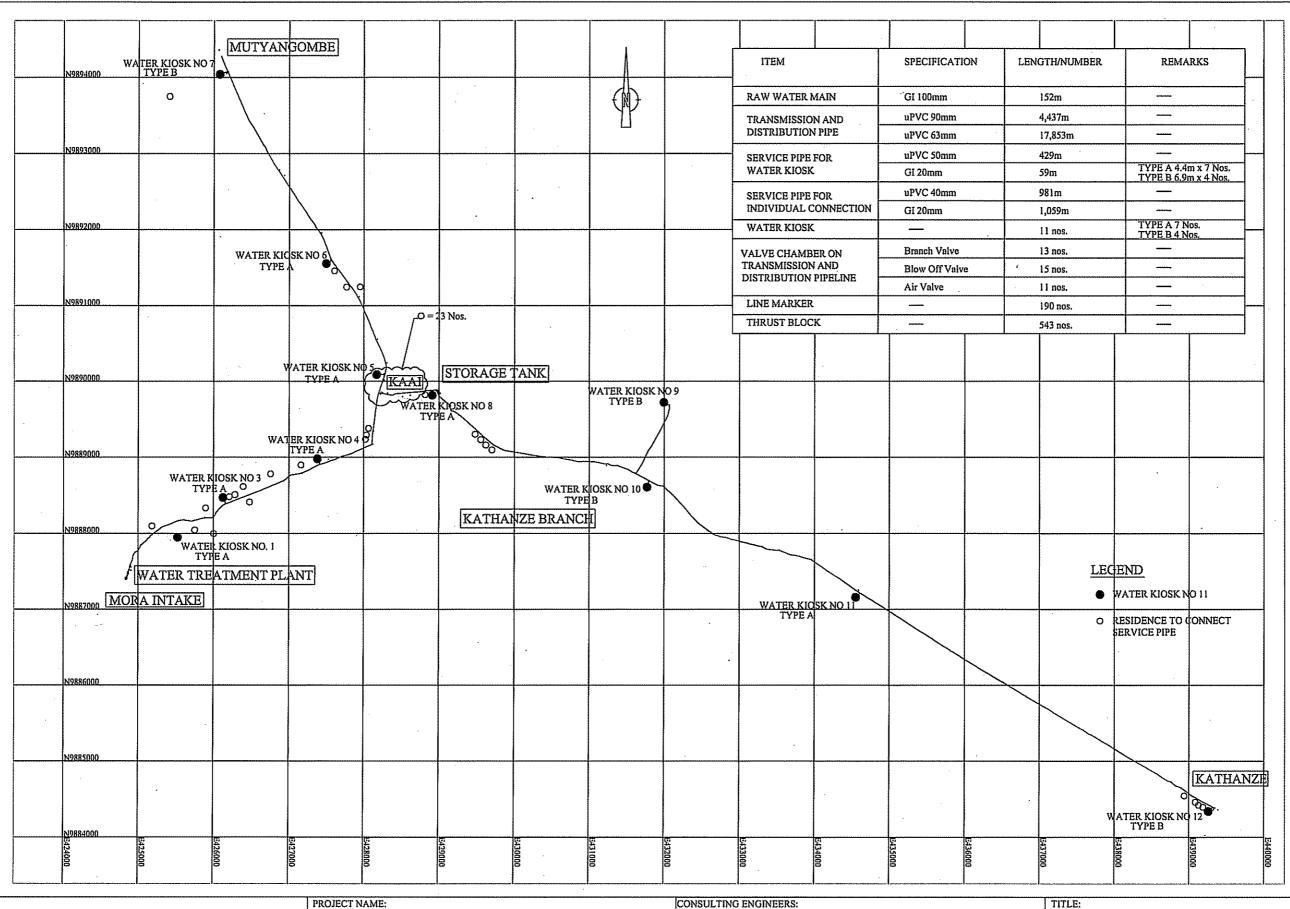
PROJECT NAME:

THE PROJECT FOR RURAL WATER SUPPLY

CONSULTING ENGINEERS:

NIPPON KOEI CO.,LTD.

ITLE:		
	<u>GENERAL</u>	
	LOCATION MAP	
CALE	DATE	DRAWING NO.
NONE	FEB. 2006	GE-001



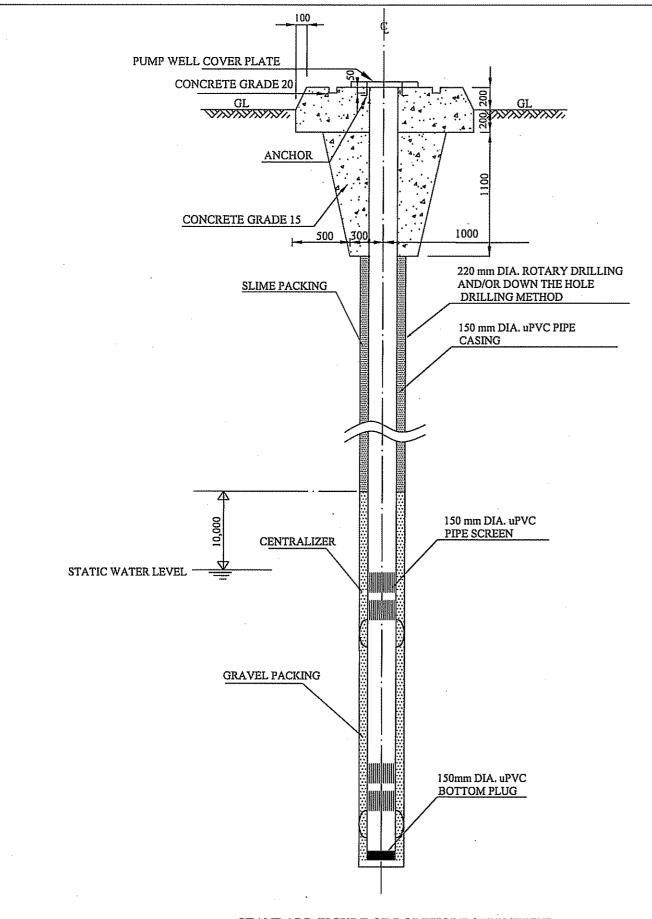
THE MINISTRY OF WATER AND IRRIGATION THE REPUBLIC OF KENYA

OWNER:

THE PROJECT FOR RURAL WATER SUPPLY

NIPPON KOEI CO.,LTD.

ITLE:		
	<u>GENERAL</u>	
PLAN OF MOR	A SPRING WATER S	UPPLY FACILITY
CALE	DATE	DRAWING NO.
1:5000	FEB. 2006	GE-002



			No.		(m)	Facilities
1	Kitui	Chuluni	4	Nguuni	70	Submersible Pump
2			}	Kenzauwu	49	Submersible Pump
3			····	Kaluva secondary school	154	Submersible Pump
4		Mutonguni	11	Kyangulu	182	Submersible Pump
5			13	Ilako Mututa secondary school	52	Handpump
6			15	Kakeani secondary school	112	Submersible Pump
7		_	16	Kasakini	49	Submersible Pump
8]	·	18	Kasue secondary school	63	Submersible Pump
9		Mutito	_20	St. Mary's Miambani	35	Submersible Pump
10]		21	Kawala	182	Submersible Pump
11			24	Kabati	71	Handpump
12]		27	Katikoni	182	Submersible Pump
13			28	Makongo	39	Handpump
14		Yotta	30	Kanyongonyo	175	Submersible Pump
15	[[31	Nthongoni	182	Handpump with Iron Filte
16			32	Kalulini	77	Submersible Pump
17			33	Muselele	182	Submersible Pump
18	[37	Ngava	45	Handpump
19		Matinyani	39	Kunikila	154	Submersible Pump
20			41	Kyaani secondary school	112	Submersible Pump
21	l i		_42	Kakumuti	168	Handpump
22			46	Endau secondary	70	Submersible Pump
23		Ikutha	50	Mwala	45	Handpump
24			51	Kyatune	155	Handpump
25		Mwitika	52	Yuku	168	Handpump
26	Mwingi	Migwani	54	Yenzuva	90	Submersible Pump
27	_		55	Winzeei	145	Submersible Pump
28			56	Katuyu	145	Handpump with Iron Filte
29			57	Kakululo	100	Handpump with Iron Filte
30			58	Makengekani	40	Handpump
31			59	Itumbi	123	Submersible Pump
32			60	Kyusyani	188	Submersible Pump
33			61	Kavoini	80	Submersible Pump
34			62	Nzauni	72	Submersible Pump
35			64	Kasanga	133	Handpump
36			65	Mavui	146	Handpump
37			66	Ndaluni	51	Submersible Pump
38	İ		67	Katoteni	80	Submersible Pump
39		Mui	68	Itiko	173	Handpump
40			69	Yumbu	94	Submersible Pump
41			74	Miambani	130	Submersible Pump
42	[Nuu	75	Mutula	133	Hendpump
43			76	Yatwa	146	Handpump
44			77	Nyaani	113	Handpump
45	-		78	Muangeni	120	Handpump
46			79	Engamba	120	Handpump
47			80	Ndunguni	93	Handpump
48	-	Mumoni	82	Tyaa Kamuthale	65	Submersible Pump
49			83	Ndatha	53	Handpump
50			85	Ndatheni	109	Submersible Pump
51			87	Miramba Ikamba	188	Submersible Pump
52		Kyuso	88	Muruu	146	Handpump
53			89	Kamusiliu	101	Submersible Pump
54			91	Kamula	107	Handpump
55			92	Tuimiwa	47 145	Handpump
56			93	Masevi		Submersible Pump
57			94 95	Kandwia Kyanika	93 53	Handpump Handpump
58						

Location Proposed Village / Community

Water Supply

Note: Well depth in the above table except Serial No. 54 is estimated depth.

Location of the Iron filter shall be changed based on the Chemical Analysis

SCALE

STANDARD FIGURE OF BOREHOLE STRUCTURE

OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:

THE PROJECT FOR RURAL WATER SUPPLY

CONSULTING ENGINEERS:

MIPPON KOEI CO.,LTD.

TITLE:

GENERAL

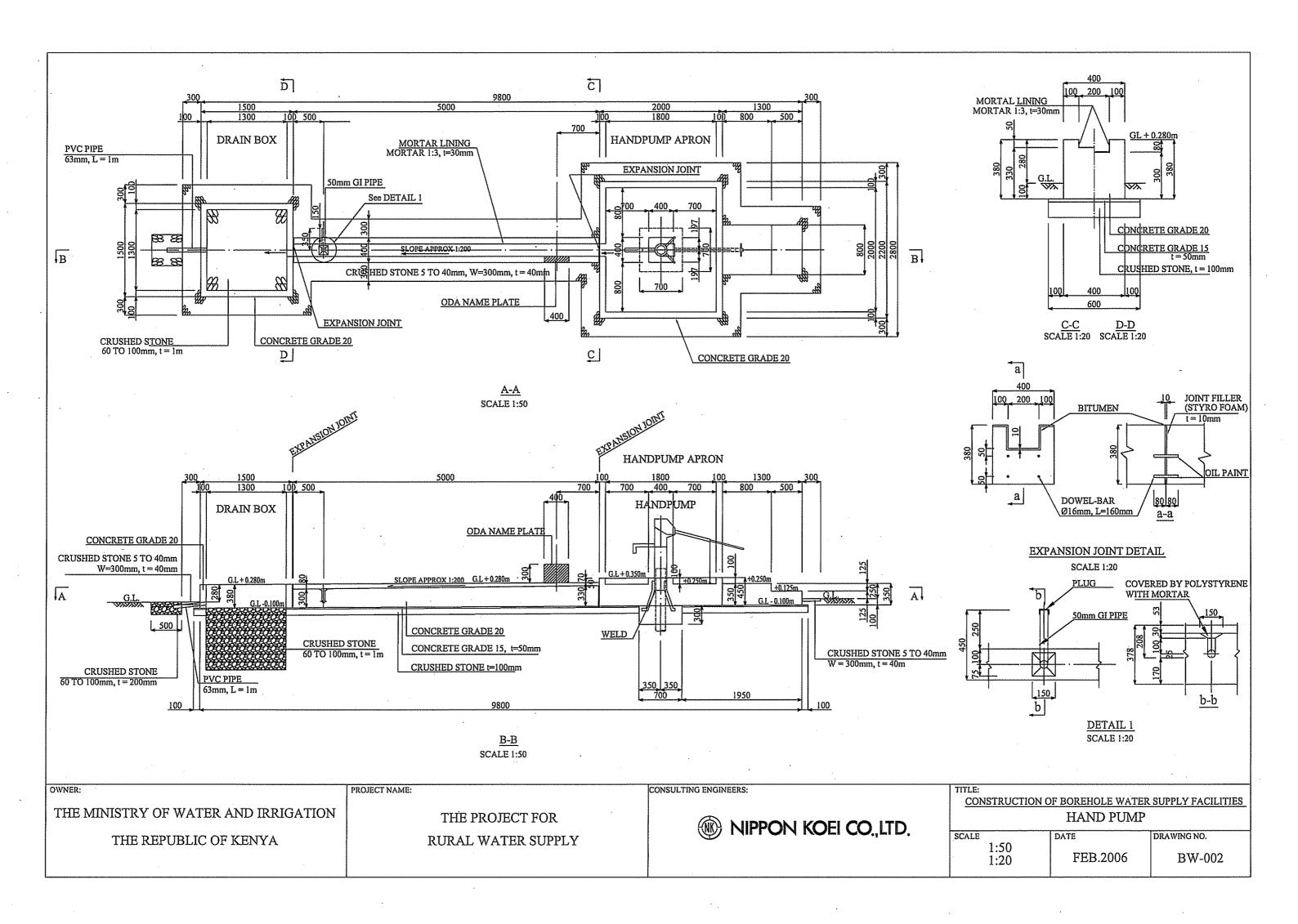
DETAILS OF BOREHOLE STRUCTURE

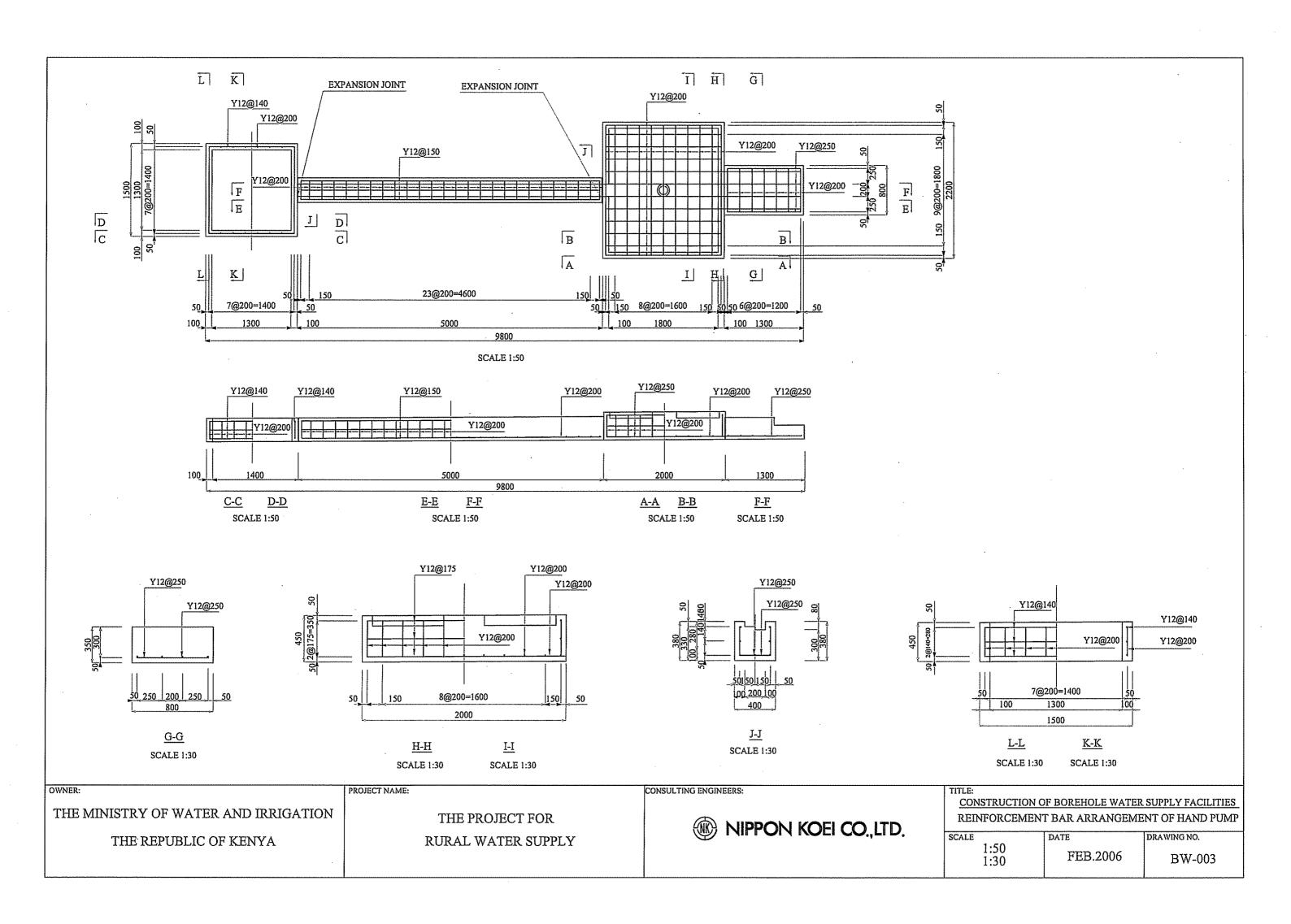
NONE FEB. 2006

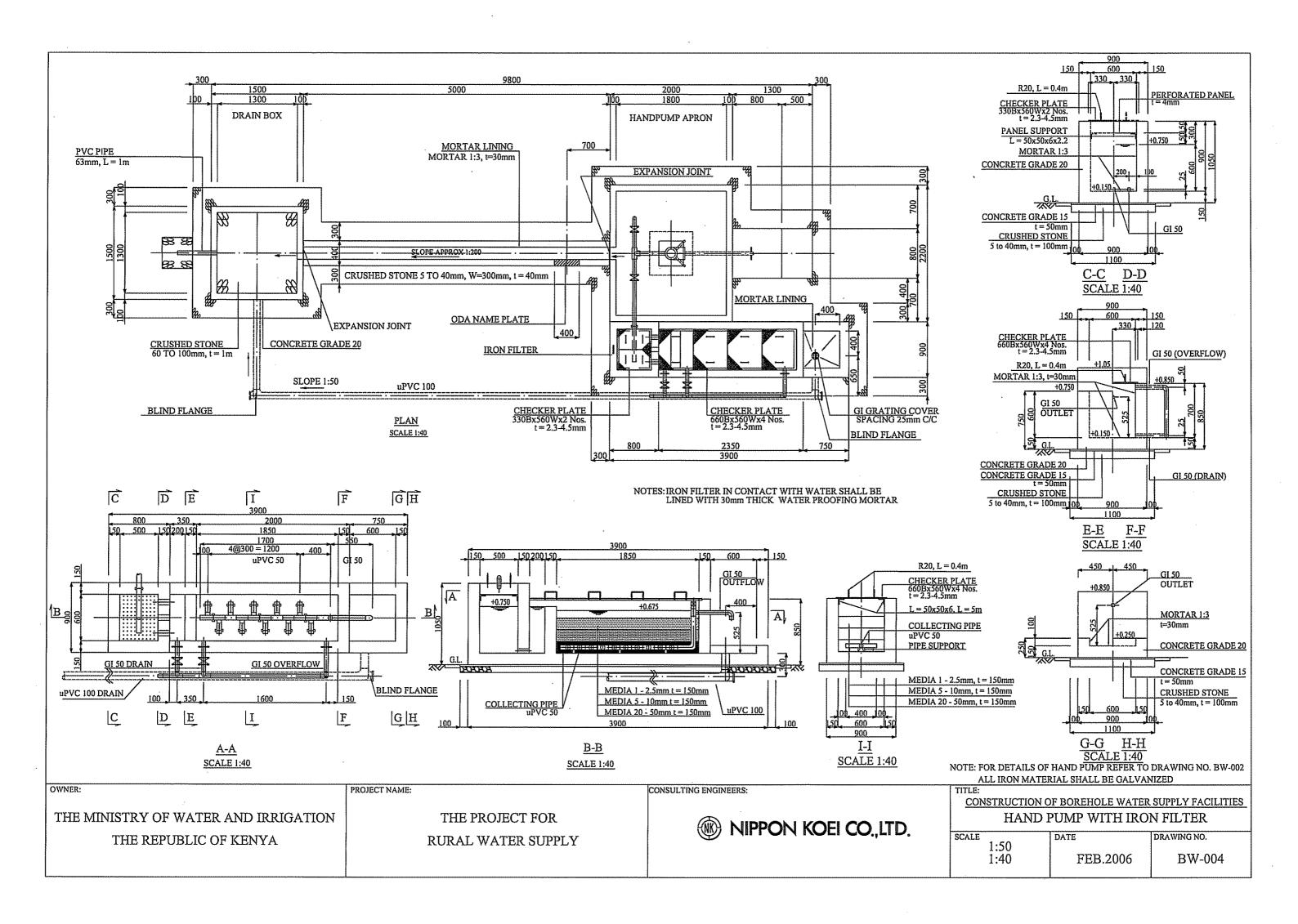
DATE

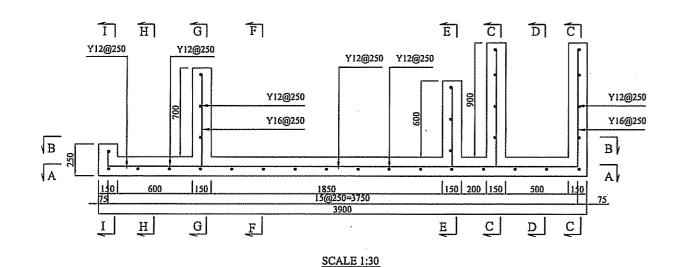
BW-001

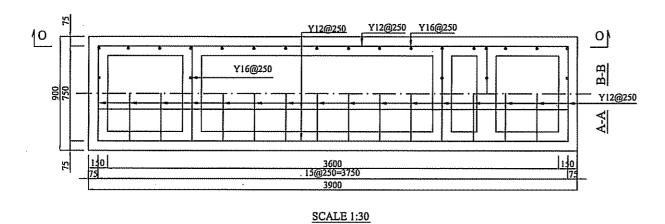
DRAWING NO.

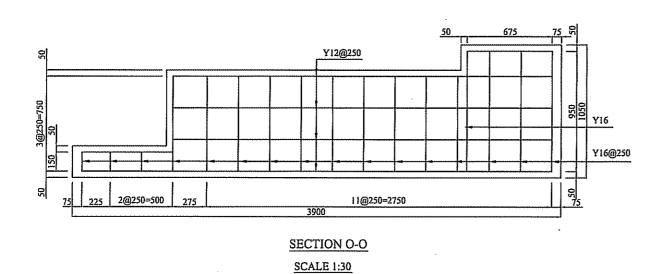




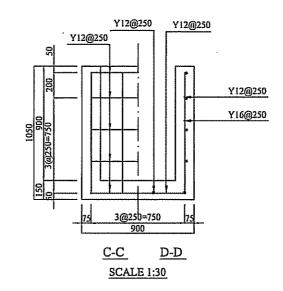


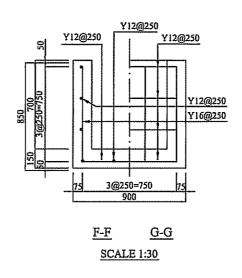


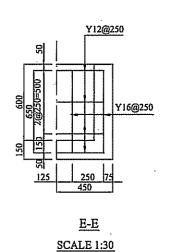


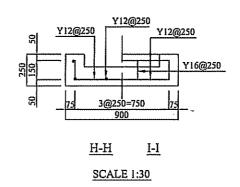


PROJECT NAME:









THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

Tr'

THE PROJECT FOR RURAL WATER SUPPLY

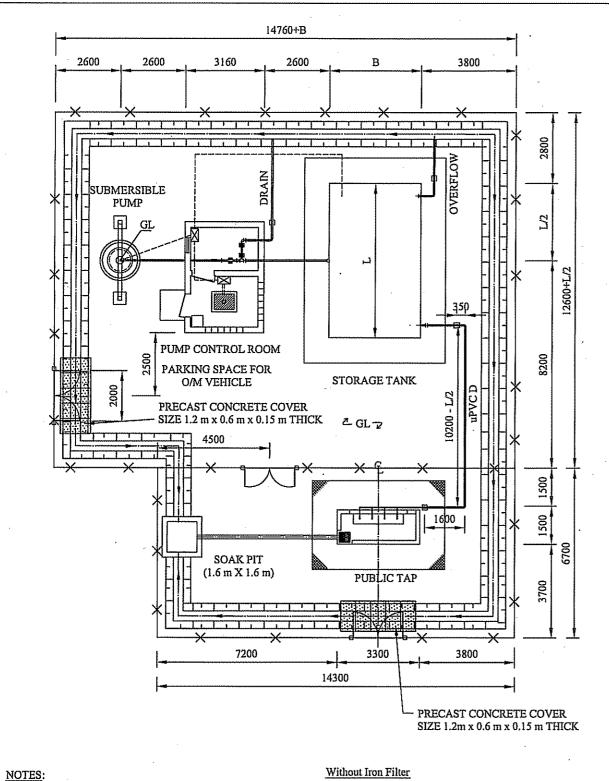
CONSULTING ENGINEERS:

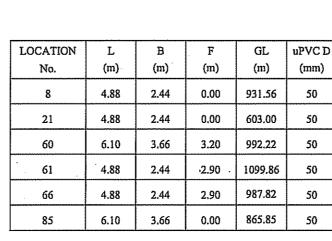
MIPPON KOEI CO.,LTD.

TITLE:

CONSTRUCTION OF BOREHOLE SUPPLY FACILITIES
REINFORCEMENT BAR ARRANGEMENT OF IRON FILTER

SCALE	DATE	DRAWING NO.
1:30	FEB.2006	BW-005





2600

2600

SUBMERSIBLE

PUMP

3160

PUMP CONTROL ROOM

PARKING SPACE FOR

O/M VEHICLE

PRECAST CONCRETE COVER

SIZE 1.2m x 0.6 m x 0.15 m THICK

2600

7200 3800 3300/ 14300 PRECAST CONCRETE COVER LEGEND: SIZE 1.2m x 0.6 m x 0.15 m THICK : PRECAST CONCRETE COVER With Iron Filter

STORAGE TANK

PUBLIC TAP

Z-GL⊋

:GATE

*-- : CHAIN-LINK FENCE

: CUT SLOPE (GRADIENT 1:0.5)

17360+B+F

IRON FILTER

SUAR ... (1.6 m X 1.6 m)

2600

3800

----: WATER SUPPLY PIPE

----: CABLE

FOR DETAILS OF PRECAST CONCRETE COVER, GATE, FENCE AND DRAIN upvc DITCH, SEE DRAWING No. SP-098 & 099.

CONSTRUCTION WORKS FOR 1) TRANSMISSION PIPES, 2)DISTRIBUTION PIPES, 3)FENCES, AND 4)DRAIN OUTLETS ARE DONE BY RURAL COMMUNITY PARTICIPATION BASED ON THE UNDERTAKINGS OF THE GOVERMENT OF KENYA.

OWNER:

THE MINISTRY OF WATER AND IRRIGATION THE REPUBLIC OF KENYA

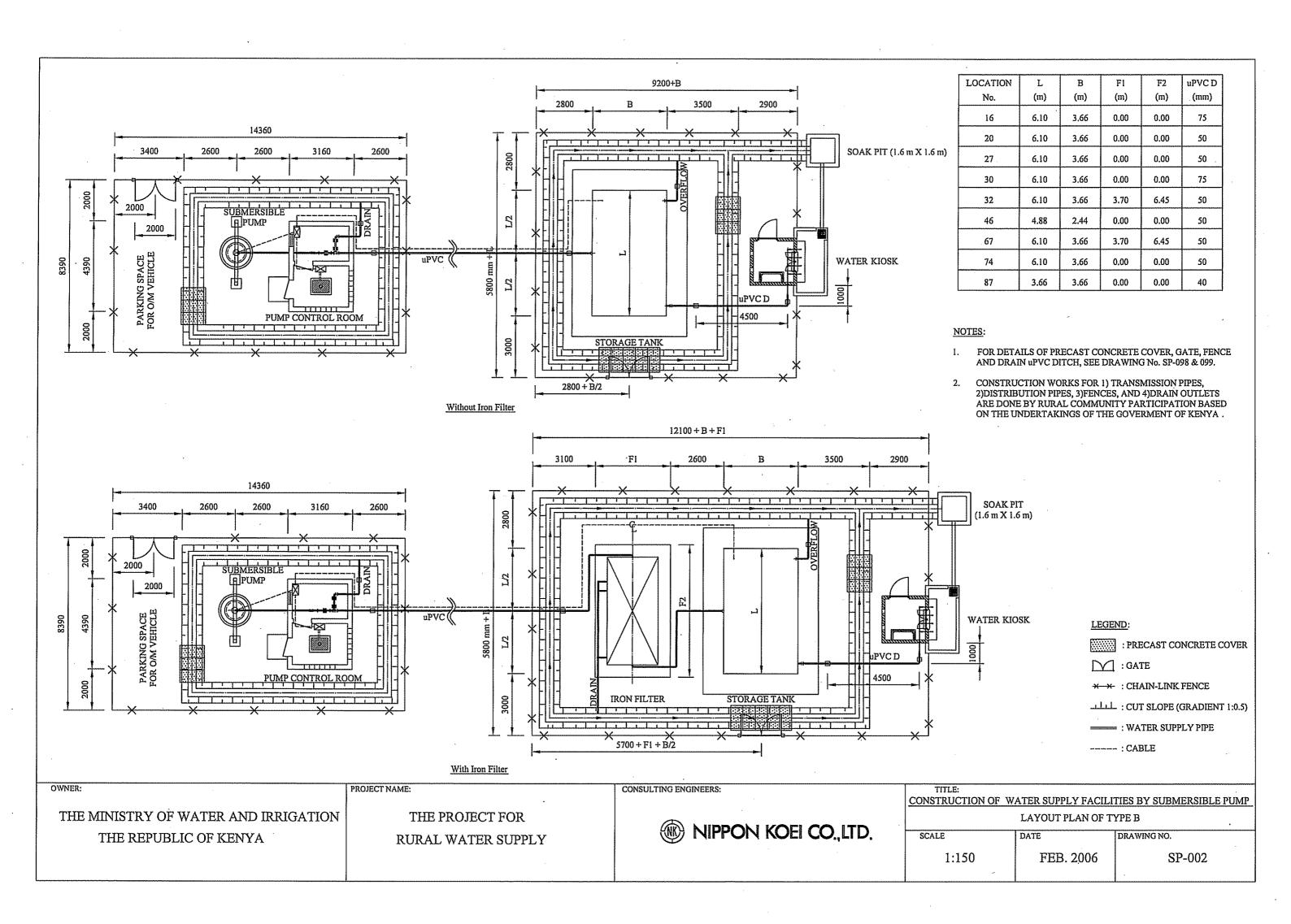
PROJECT NAME:

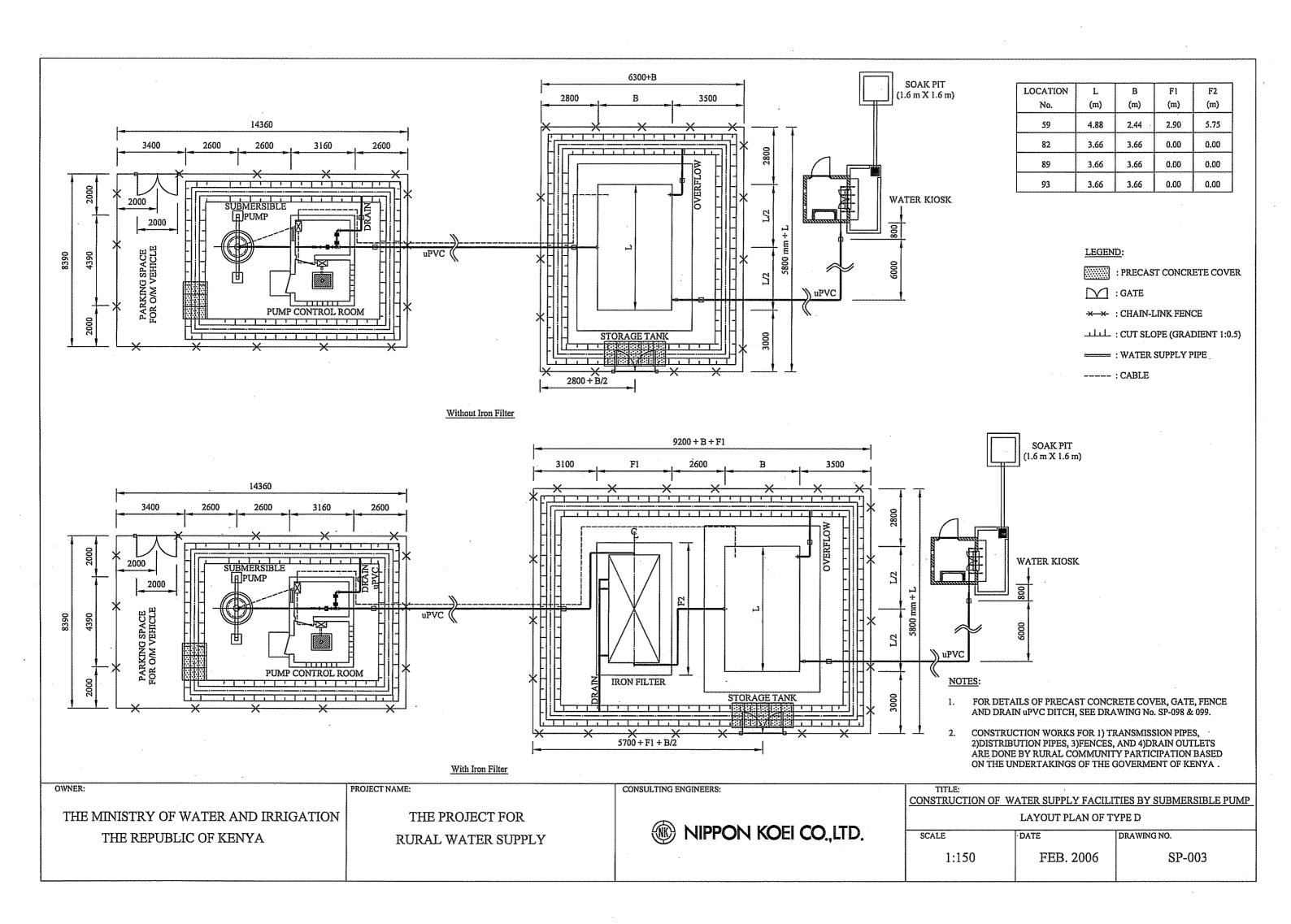
THE PROJECT FOR RURAL WATER SUPPLY

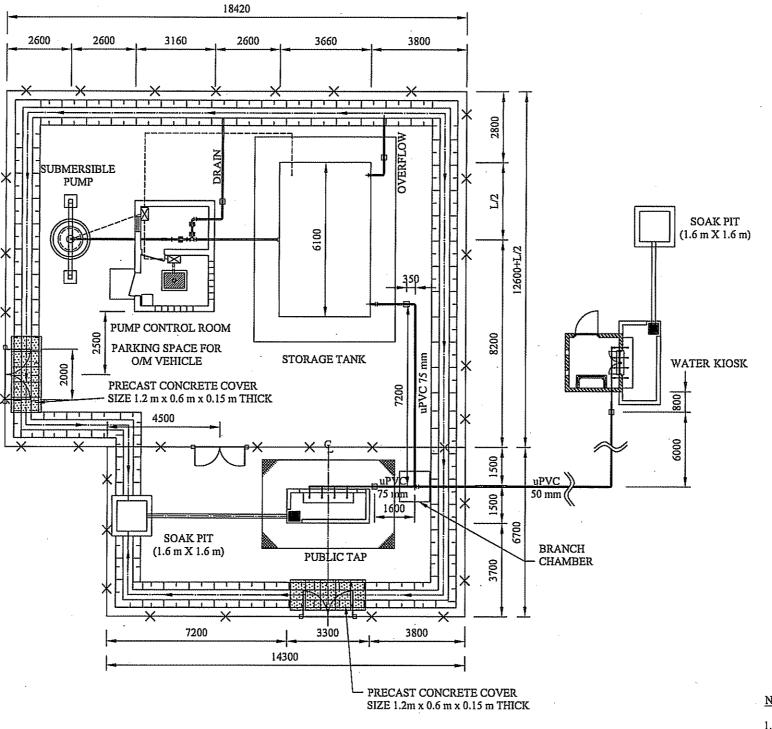
CONSULTING ENGINEERS:



TITLE:					
ONSTRUCTION OF WATER SUPPLY FACILITIES BY SUBMERSIBLE PUMP					
LAYOUT PLAN OF TYPE A					
SCALE	DATE	DRAWING NO.			
1:150	FEB. 2006	SP-001			







: PRECAST CONCRETE COVER

: GATE

- : CHAIN-LINK FENCE

: CUT SLOPE (GRADIENT 1:0.5)

==== : WATER SUPPLY PIPE

----: CABLE

NOTES:

- FOR DETAILS OF PRECAST CONCRETE COVER, GATE, FENCE AND DRAIN uPVC DITCH, SEE DRAWING No. SP-098 & 099.
- CONSTRUCTION WORKS FOR 1) TRANSMISSION PIPES,
 2)DISTRIBUTION PIPES, 3)FENCES, AND 4)DRAIN OUTLETS
 ARE DONE BY RURAL COMMUNITY PARTICIPATION BASED
 ON THE UNDERTAKINGS OF THE GOVERMENT OF KENYÄ.

OWNER:

THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:

THE PROJECT FOR RURAL WATER SUPPLY



CONSULTING ENGINEERS:



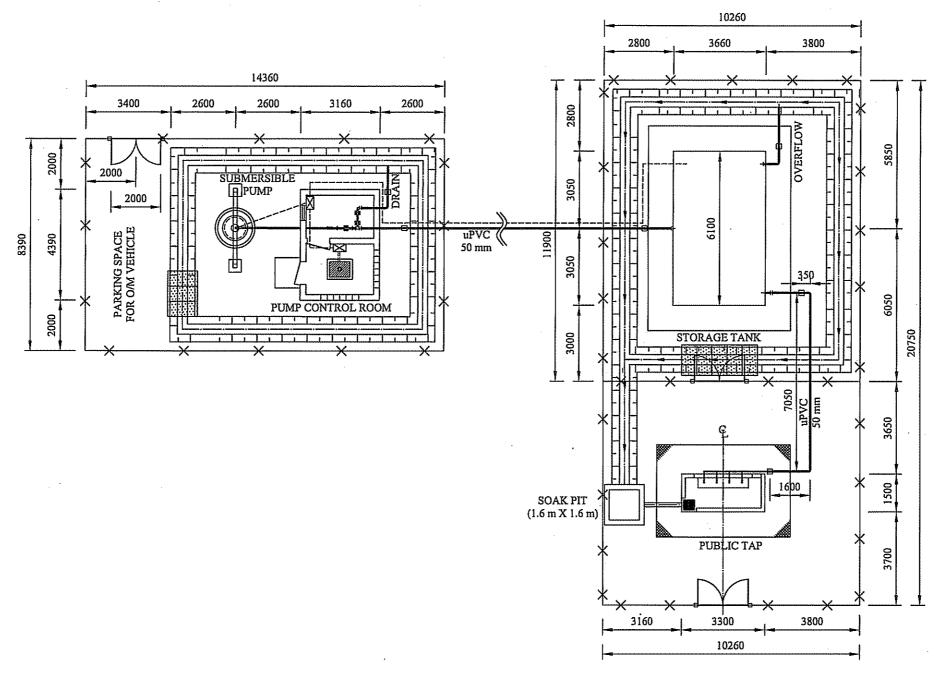
TITLE:

CONSTRUCTION OF WATER SUPPLY FACILITIES BY SUBMERSIBLE PUMP

LAYOUT PLAN OF LOCATION No. 4

SCALE DATE DRAWING NO.

1:150 FEB. 2006



NOTES:

LEGEND:

:GATE

----: CABLE

imes: CHAIN-LINK FENCE

==== : WATER SUPPLY PIPE

: CUT SLOPE (GRADIENT 1:0.5)

: PRECAST CONCRETE COVER

- FOR DETAILS OF PRECAST CONCRETE COVER, GATE, FENCE AND DRAIN uPVC DITCH, SEE DRAWING No. SP-098 & 099.
- CONSTRUCTION WORKS FOR 1) TRANSMISSION PIPES,
 2)DISTRIBUTION PIPES, 3)FENCES, AND 4)DRAIN OUTLETS
 ARE DONE BY RURAL COMMUNITY PARTICIPATION BASED
 ON THE UNDERTAKINGS OF THE GOVERMENT OF KENYA.

OWNER:

THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:

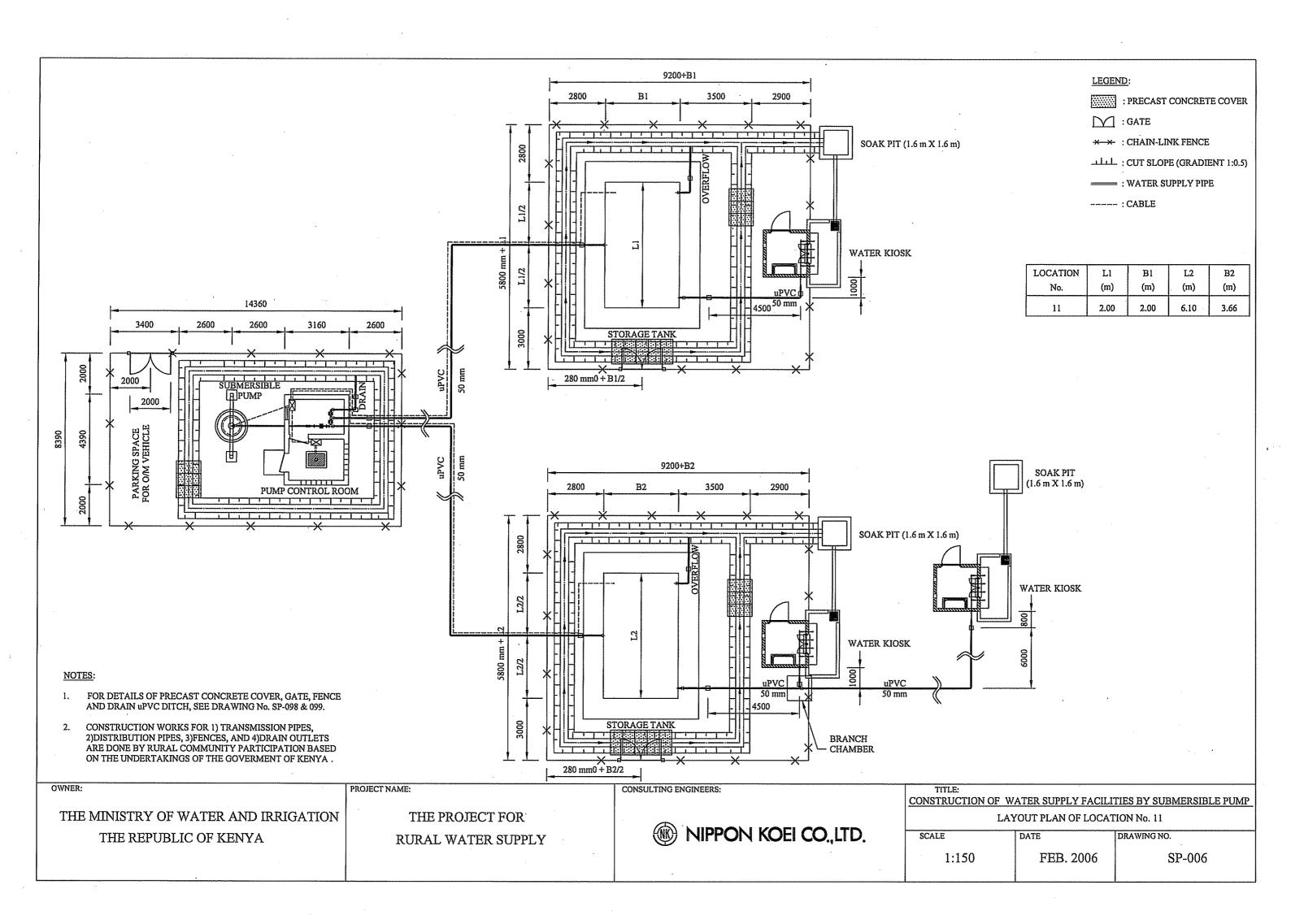
THE PROJECT FOR RURAL WATER SUPPLY CONSULTING ENGINEERS:

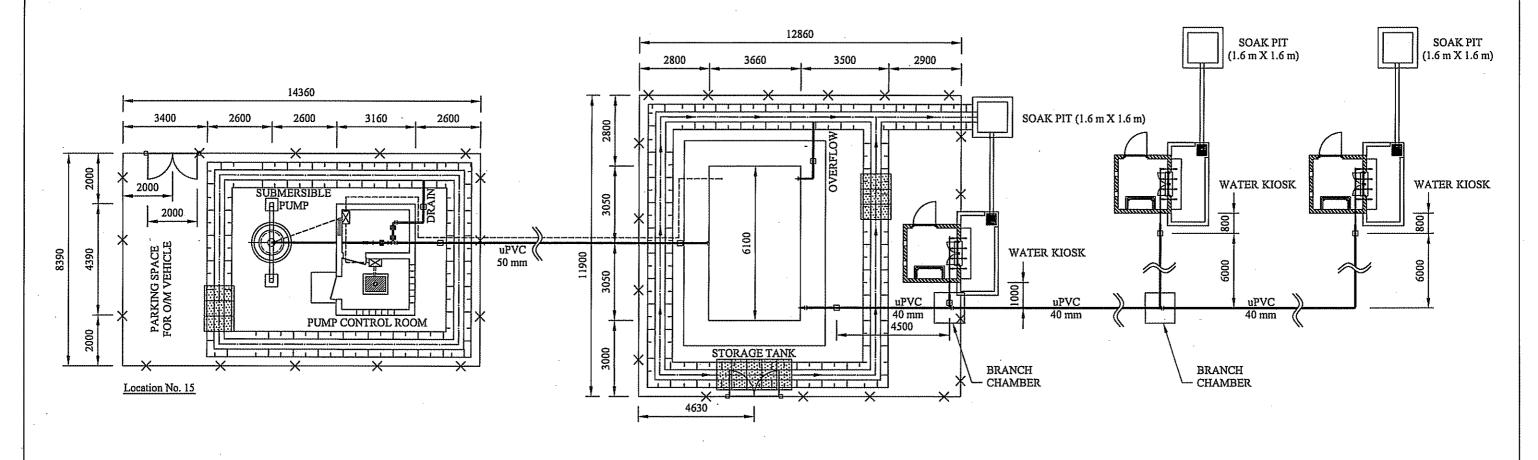


TITLE:				
CONSTRUCTION OF	WATER SUP	PLY FACILI	TIES BY	SUBMERSIBLE PUMP
LAYOUT PLAN OF LOCATION No. 10				
SCAĻE	DATE		DRAWIN	G NO.

1:150 FEB

FEB. 2006





: PRECAST CONCRETE COVER

GATE:

imes : CHAIN-LINK FENCE

ユレル: CUT SLOPE (GRADIENT 1:0.5)

==== : WATER SUPPLY PIPE

----: CABLE

NOTES:

- FOR DETAILS OF PRECAST CONCRETE COVER, GATE, FENCE AND DRAIN uPVC DITCH, SEE DRAWING No. SP-098 & 099.
- 2. CONSTRUCTION WORKS FOR 1) TRANSMISSION PIPES, 2)DISTRIBUTION PIPES, 3)FENCES, AND 4)DRAIN OUTLETS ARE DONE BY RURAL COMMUNITY PARTICIPATION BASED ON THE UNDERTAKINGS OF THE GOVERMENT OF KENYA.

OWNER:

THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

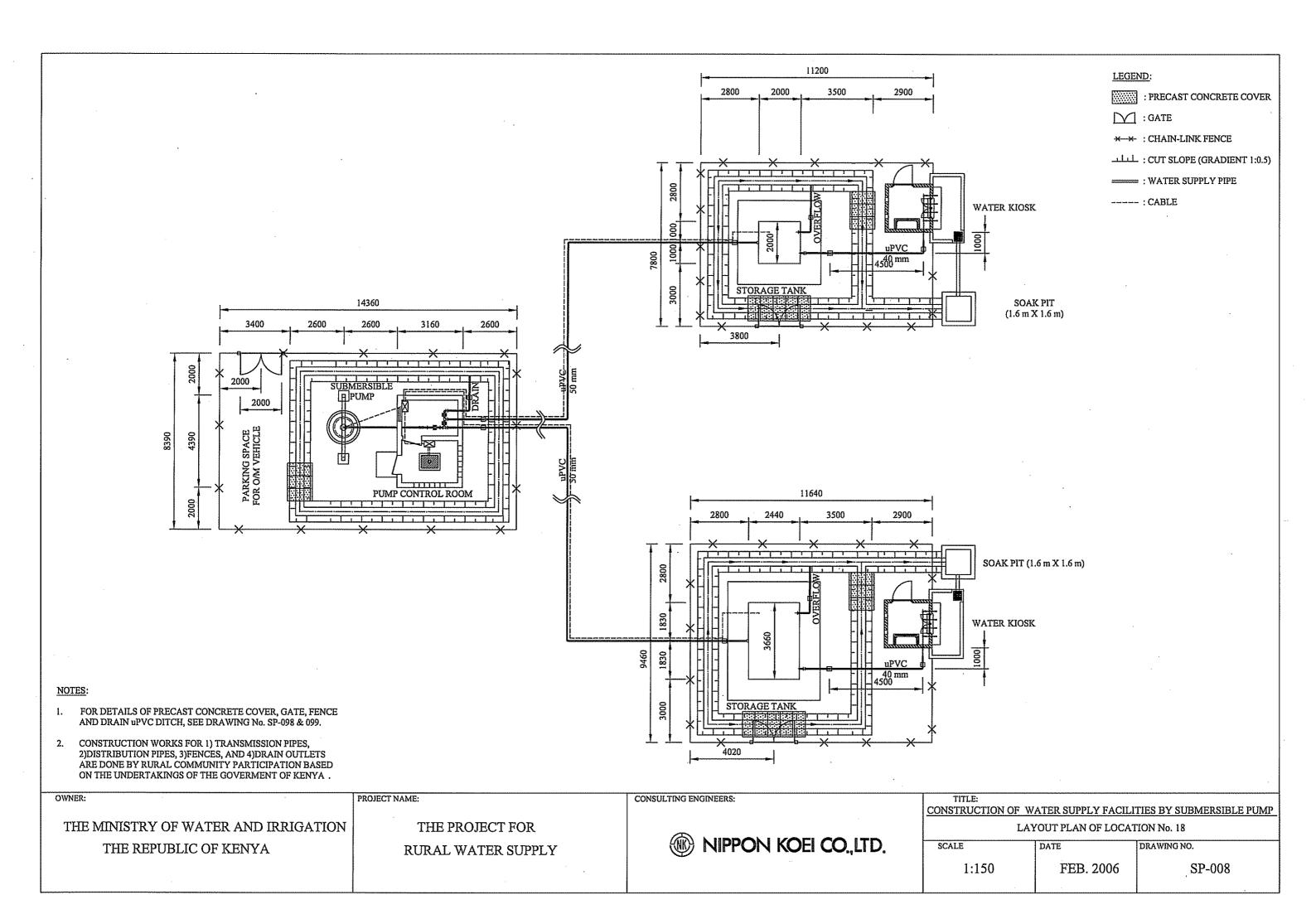
PROJECT NAME:

THE PROJECT FOR RURAL WATER SUPPLY

CONSULTING ENGINEERS:

NIPPON KOEI CO.,LTD.

TITLE:						
CONSTRUCTION OF W.	CONSTRUCTION OF WATER SUPPLY FACILITIES BY SUBMERSIBLE PUMP					
LAYOUT PLAN OF LOCATION No. 15						
SCALE DATE DRAWING NO.						
1:150	FEB. 2006	SP-007				



: PRECAST CONCRETE COVER

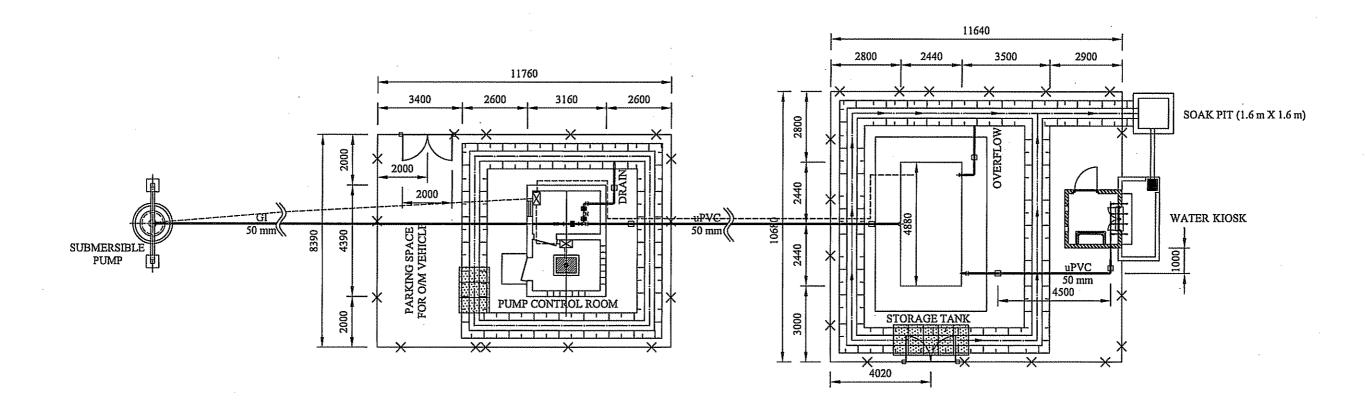
:GATE

→ : CHAIN-LINK FENCE

: CUT SLOPE (GRADIENT 1:0.5)

----: WATER SUPPLY PIPE

----: CABLE



NOTES:

- FOR DETAILS OF PRECAST CONCRETE COVER, GATE, FENCE AND DRAIN uPVC DITCH, SEE DRAWING No. SP-098 & 099.
- 2. CONSTRUCTION WORKS FOR 1) TRANSMISSION PIPES, 2)DISTRIBUTION PIPES, 3)FENCES, AND 4)DRAIN OUTLETS ARE DONE BY RURAL COMMUNITY PARTICIPATION BASED ON THE UNDERTAKINGS OF THE GOVERMENT OF KENYA.

OWNER:

THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:

THE PROJECT FOR RURAL WATER SUPPLY

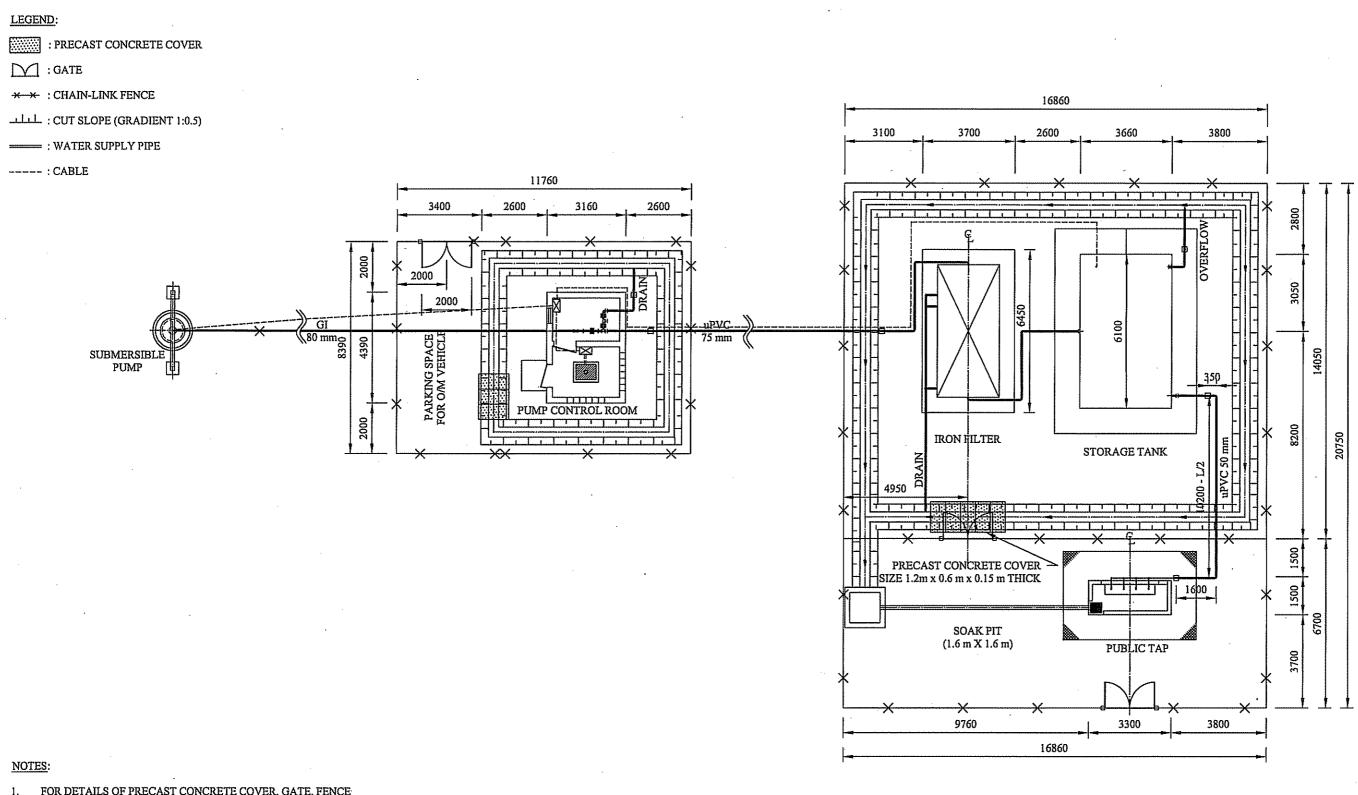


CONSULTING ENGINEERS:

-	LAYOUT PLAN OF LOCATION No. 33				
	CONSTRUCTION OF WATER SUPPLY FACILITIES BY SUBMERSIBLE PUMP				
	TITLE:				

SCALE DATE DRAWING NO.

1:150 FEB. 2006



- FOR DETAILS OF PRECAST CONCRETE COVER, GATE, FENCE AND DRAIN uPVC DITCH, SEE DRAWING No. SP-098 & 099.
- CONSTRUCTION WORKS FOR 1) TRANSMISSION PIPES,
 2)DISTRIBUTION PIPES, 3)FENCES, AND 4)DRAIN OUTLETS
 ARE DONE BY RURAL COMMUNITY PARTICIPATION BASED
 ON THE UNDERTAKINGS OF THE GOVERMENT OF KENYA.

OWNER:

THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:

THE PROJECT FOR RURAL WATER SUPPLY

CONSULTING ENGINEERS:



TITLE:		
CONSTRUCTION OF	WATER SUPPLY FACI	LITIES BY SUBMERSIBLE PUMP
	LAYOUT PLAN OF LOC	ATION No. 39
SCALE	DATE	DRAWING NO.
1:150	FEB 2006	SP-010

: PRECAST CONCRETE COVER

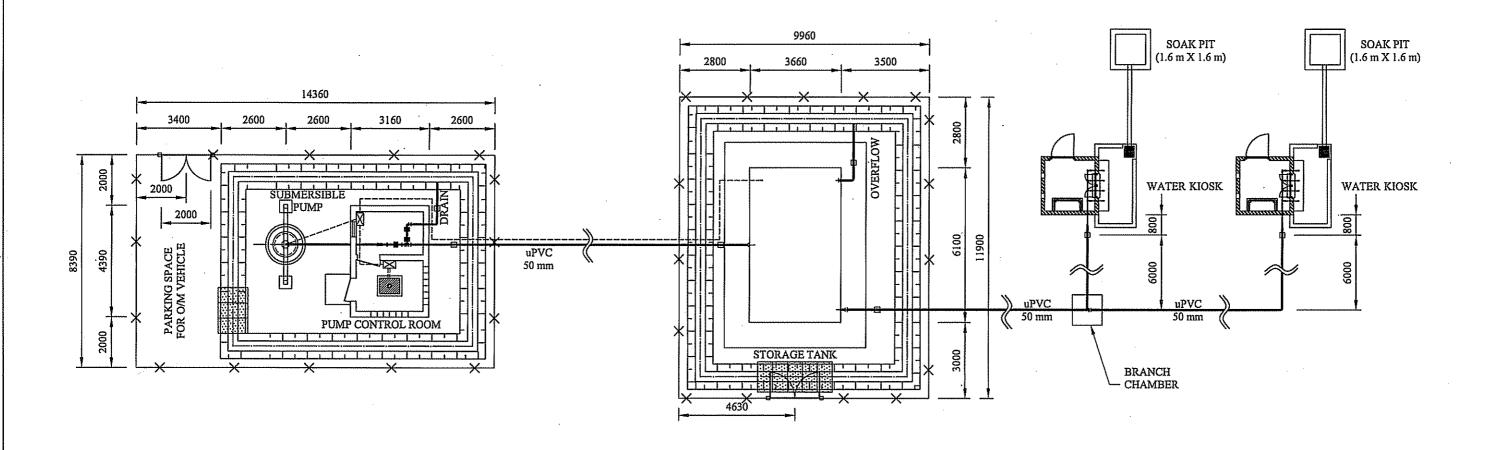
GATE:

*-- : CHAIN-LINK FENCE

: CUT SLOPE (GRADIENT 1:0.5)

=== : WATER SUPPLY PIPE

---- : CABLE



NOTES:

- FOR DETAILS OF PRECAST CONCRETE COVER, GATE, FENCE AND DRAIN uPVC DITCH, SEE DRAWING No. SP-098 & 099.
- CONSTRUCTION WORKS FOR 1) TRANSMISSION PIPES, 2)DISTRIBUTION PIPES, 3)FENCES, AND 4)DRAIN OUTLETS ARE DONE BY RURAL COMMUNITY PARTICIPATION BASED ON THE UNDERTAKINGS OF THE GOVERMENT OF KENYA.

OWNER:

THE MINISTRY OF WATER AND IRRIGATION THE REPUBLIC OF KENYA

PROJECT NAME:

THE PROJECT FOR RURAL WATER SUPPLY CONSULTING ENGINEERS:

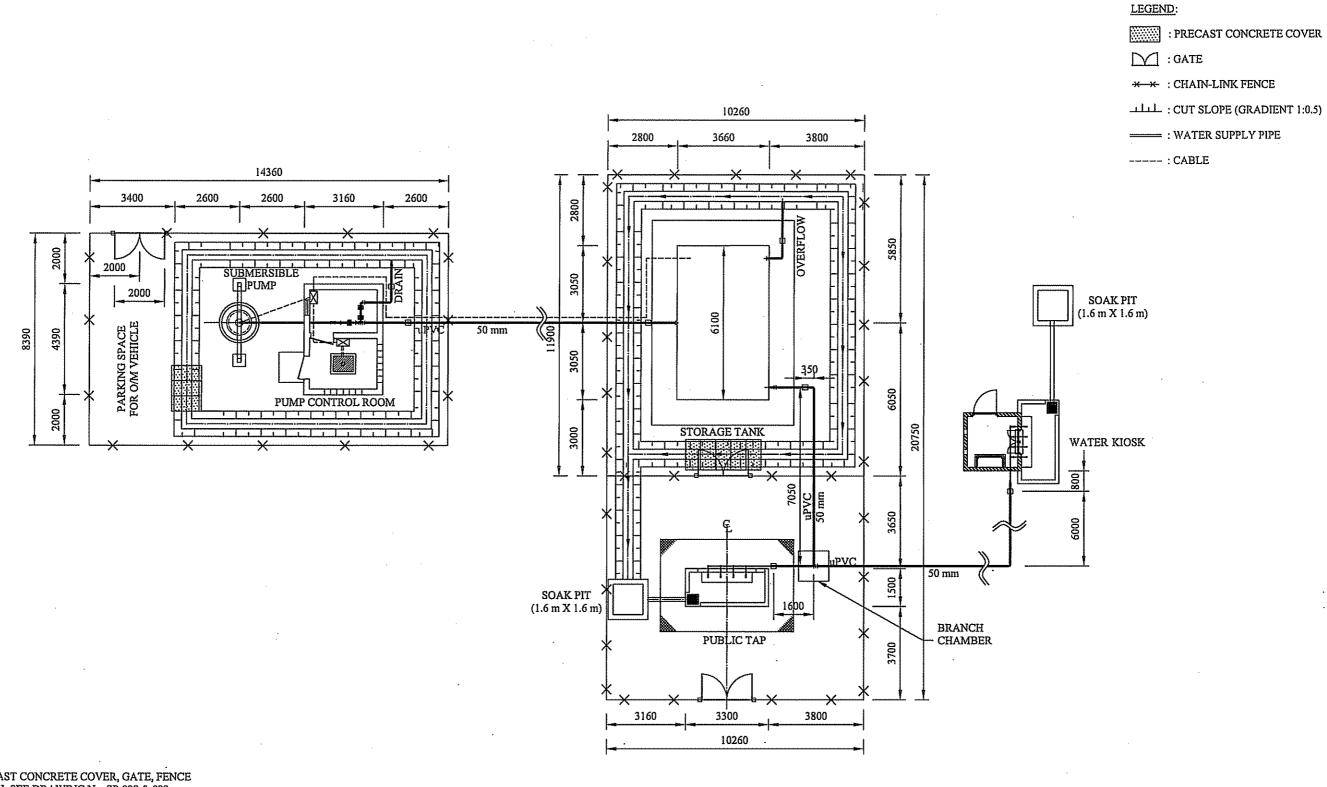
	NIPPON	KOEI	CO.,LTD.
--	--------	------	----------

ITLE:		
RUCTION	OF	WA

CONST ATER SUPPLY FACILITIES BY SUBMERSIBLE PUMP LAYOUT PLAN OF LOCATION No. 41

SCALE DATE DRAWING NO.

> 1:150 FEB. 2006



- FOR DETAILS OF PRECAST CONCRETE COVER, GATE, FENCE AND DRAIN uPVC DITCH, SEE DRAWING No. SP-098 & 099.
- CONSTRUCTION WORKS FOR 1) TRANSMISSION PIPES, 2)DISTRIBUTION PIPES, 3)FENCES, AND 4)DRAIN OUTLETS ARE DONE BY RURAL COMMUNITY PARTICIPATION BASED ON THE UNDERTAKINGS OF THE GOVERNENT OF KENYA.

OWNER:

NOTES:

THE MINISTRY OF WATER AND IRRIGATION THE REPUBLIC OF KENYA

PROJECT NAME:

THE PROJECT FOR RURAL WATER SUPPLY CONSULTING ENGINEERS:

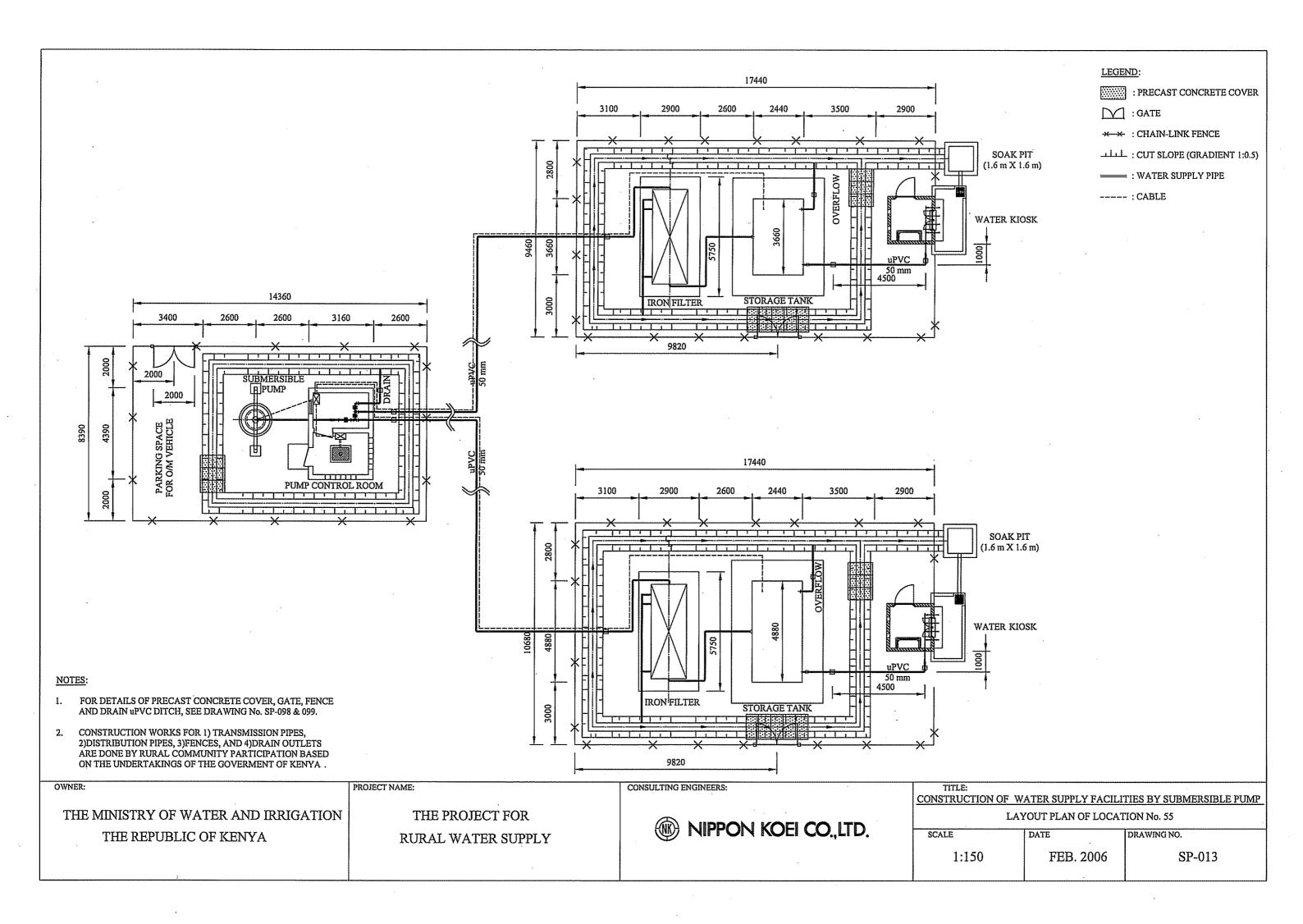


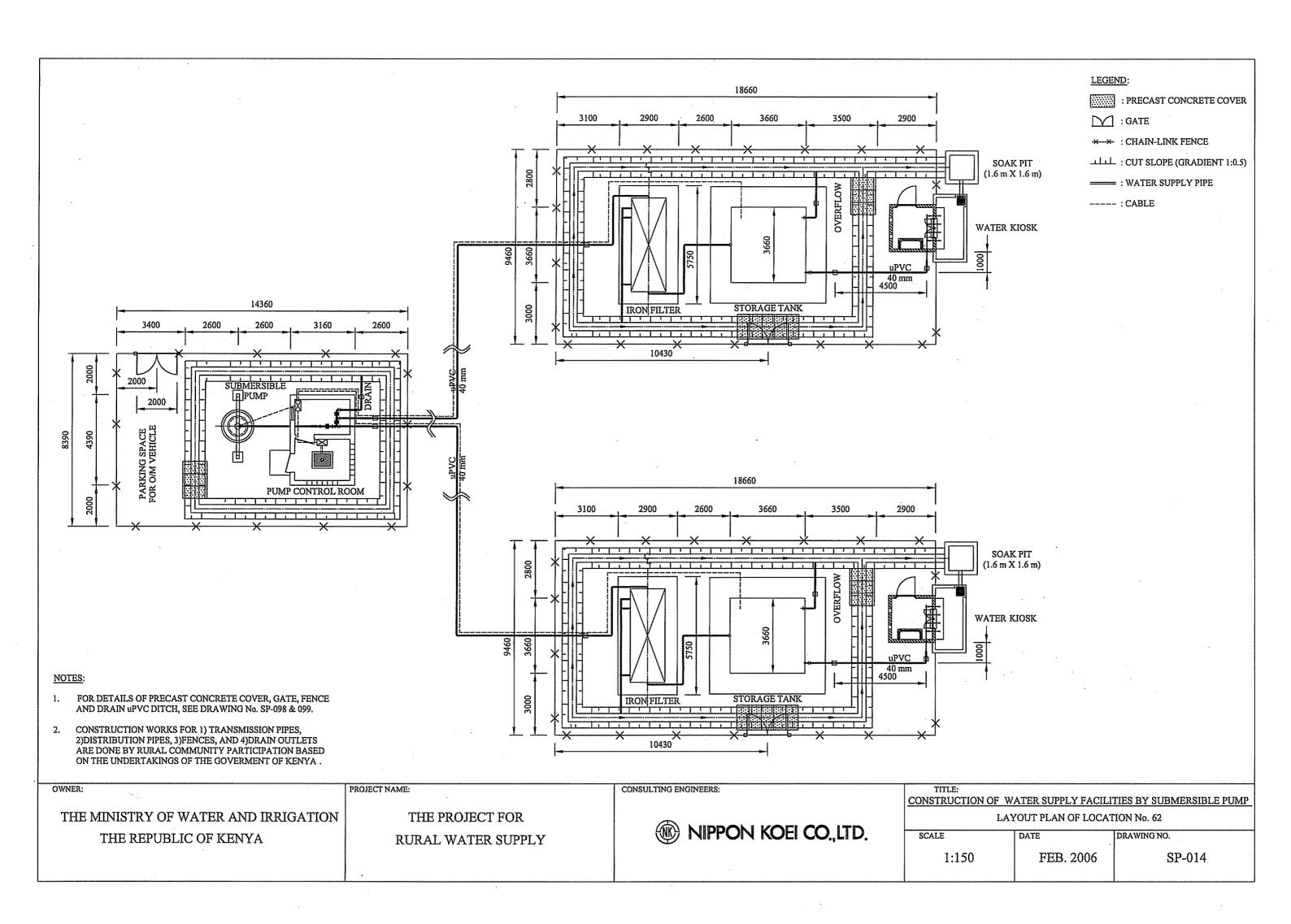
TITLE:			
CONSTRUCTION OF WATER SUPPLY FACILITIES BY SUBMERSIBLE I	PUMP		
LAYOUT PLAN OF LOCATION No. 54			

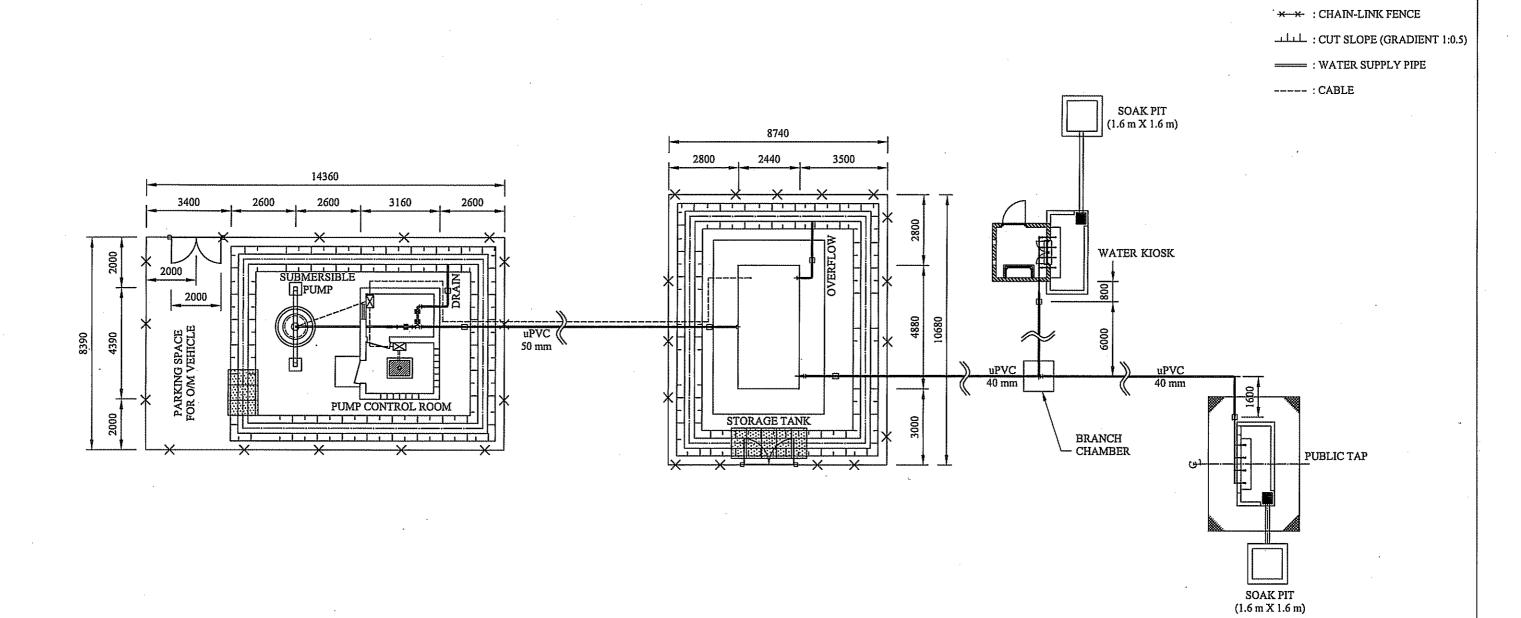
SCALE DATE DRAWING NO.

FEB. 2006

1:150







NOTES:

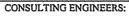
- 1. FOR DETAILS OF PRECAST CONCRETE COVER, GATE, FENCE AND DRAIN uPVC DITCH, SEE DRAWING No. SP-098 & 099.
- CONSTRUCTION WORKS FOR 1) TRANSMISSION PIPES,
 2)DISTRIBUTION PIPES, 3)FENCES, AND 4)DRAIN OUTLETS
 ARE DONE BY RURAL COMMUNITY PARTICIPATION BASED
 ON THE UNDERTAKINGS OF THE GOVERMENT OF KENYA.

OWNER:

THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:

THE PROJECT FÖR RURAL WATER SUPPLY





CONSTRUCTION OF WATER SUPPLY FACILITIES BY SUBMERSIBLE PU					
	LAYOUT PLAN OF LOCATION No. 69				
	SCALE	DATE	DRAWING NO.		
	1.150	FEB 2006	SP - 015		

LEGEND:

GATE .

: PRECAST CONCRETE COVER

