

## **Document 8**

### **Pieces dessinees**

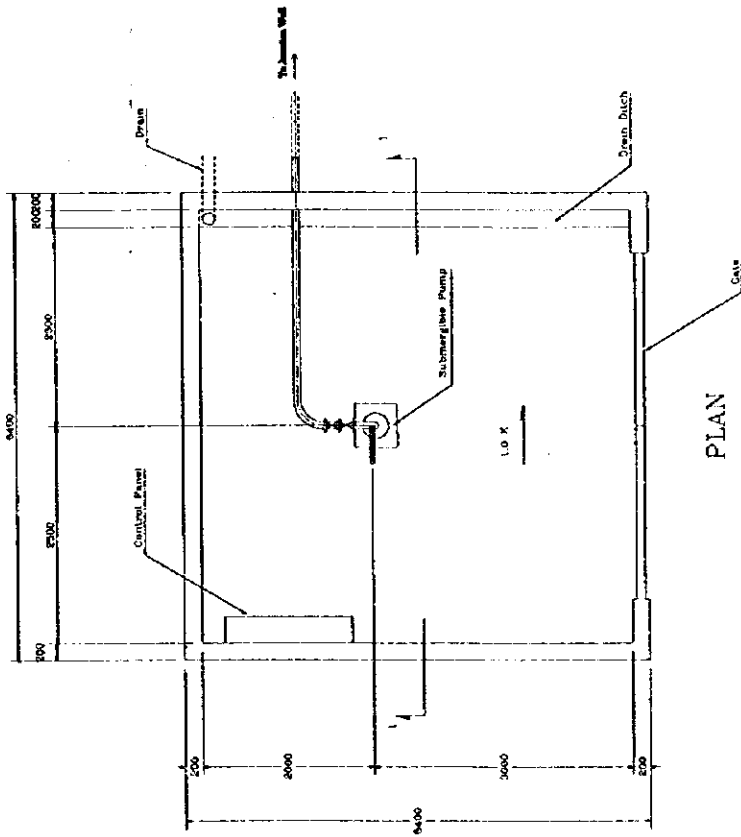


## PIECES DESSINEES

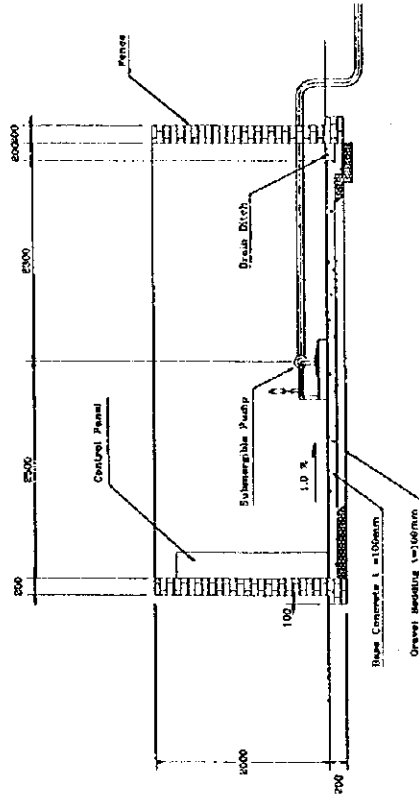
No.	DWG No.	TITRE
1	PRF-SD-GEN-002	Local de pompage
2	PRF-SD-GEN-003	Aperçu de la station pompe de relais
3	PRF-SD-GEN-004	Puits de jonction
4	PRF-SD-GEN-005	Local à pompe de relais
5	PRF-SD-GEN-006	Bureau de gestion
6	PRF-SD-GEN-007	Plan général du réservoir de répartition
7	PRF-SD-GEN-008	Réservoir de répartition
8	PRF-SD-GEN-009	Section type de pose des conduites
9	PRF-SD-GEN-010	Plan type de la cage de soupape
10	PRF-SD-GEN-011	Plan de traverse des routes et rivières
11	PRF-SD-GEN-012	Reservoir pour la réduction de pression
12	PRF-SD-GEN-013	Borne fontaine
13	PRF-SD-GEN-014	Plan type de la route du maintien
14	PRF-TR-GEN-001	Plan général de la zone de Teroual
15	PRF-TR-GEN-002	Plan d'établissements d'Teroual
16	PRF-TR-PRO-101	Profil d'Teroual route commune 1
17	PRF-TR-PRO-201	Profil d'Teroual route A (1/11)
18	PRF-TR-PRO-202	Profil d'Teroual route A (2/11)
19	PRF-TR-PRO-203	Profil d'Teroual route A (3/11)
20	PRF-TR-PRO-204	Profil d'Teroual route A (4/11)
21	PRF-TR-PRO-205	Profil d'Teroual route A (5/11)
22	PRF-TR-PRO-206	Profil d'Teroual route A (6/11)
23	PRF-TR-PRO-207	Profil d'Teroual route A (7/11)
24	PRF-TR-PRO-208	Profil d'Teroual route A (8/11)
25	PRF-TR-PRO-209	Profil d'Teroual route A (9/11)
26	PRF-TR-PRO-210	Profil d'Teroual route A (10/11)
27	PRF-TR-PRO-211	Profil d'Teroual route A (11/11)
28	PRF-TR-PRO-301	Profil d'Teroual route A-1 (1/2)
29	PRF-TR-PRO-302	Profil d'Teroual route A-1 (2/2)
30	PRF-TR-PRO-401	Profil d'Teroual route A-2 (1/2)
31	PRF-TR-PRO-402	Profil d'Teroual route A-2 (2/2)
32	PRF-TR-PRO-501	Profil d'Teroual route commune 2
33	PRF-TR-PRO-601	Profil d'Teroual route B (1/2)
34	PRF-TR-PRO-602	Profil d'Teroual route B (2/2)
35	PRF-TR-PRO-701	Profil d'Teroual route D (1/3)
36	PRF-TR-PRO-702	Profil d'Teroual route D (2/3)
37	PRF-TR-PRO-703	Profil d'Teroual route D (3/3)
38	PRF-EB-GEN-001	Plan général de la zone de El Bibane
39	PRF-EB-GEN-002	Plan d'établissements d'El Bibane
40	PRF-EB-PRO-001	Profil d'El Biban route A-1
41	PRF-EB-PRO-101	Profil d'El Biban route A-2
42	PRF-EB-PRO-201	Profil d'El Biban route A-3
43	PRF-EB-PRO-301	Profil d'El Biban route B-1
44	PRF-EB-PRO-401	Profil d'El Biban route B-2
45	PRF-AD-GEN-001	Plan général de la zone de Ain Defali
46	PRF-AD-GEN-002	Plan d'établissements d'Ain Defali
47	PRF-AD-PRO-001	Profil d'Ain Defali route C-1 (1/4)
48	PRF-AD-PRO-002	Profil d'Ain Defali route C-1 (2/4)
49	PRF-AD-PRO-003	Profil d'Ain Defali route C-1 (3/4)
50	PRF-AD-PRO-004	Profil d'Ain Defali route C-1 (4/4)

## PIECES DESSINEES

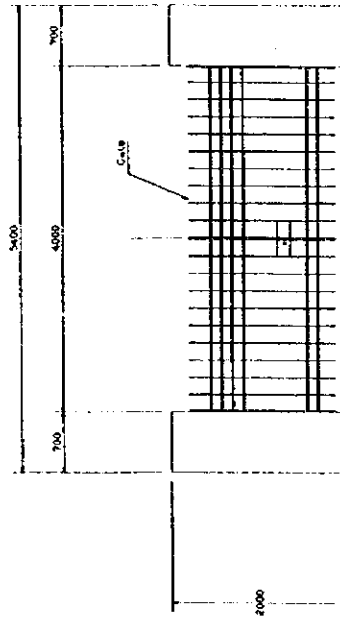
No.	DWG No.	TITRE
51	PRF-AD-PRO-201	Profil d'Ain Defali route C (1/8)
52	PRF-AD-PRO-202	Profil d'Ain Defali route C (2/8)
53	PRF-AD-PRO-203	Profil d'Ain Defali route C (3/8)
54	PRF-AD-PRO-204	Profil d'Ain Defali route C (4/8)
55	PRF-AD-PRO-205	Profil d'Ain Defali route C (5/8)
56	PRF-AD-PRO-206	Profil d'Ain Defali route C (6/8)
57	PRF-AD-PRO-207	Profil d'Ain Defali route C (7/8)
58	PRF-AD-PRO-208	Profil d'Ain Defali route C (8/8)
59	PRF-AD-PRO-301	Profil d'Ain Defali route commune (1/3)
60	PRF-AD-PRO-302	Profil d'Ain Defali route commune (2/3)
61	PRF-AD-PRO-303	Profil d'Ain Defali route commune (3/3)
62	PRF-AD-PRO-401	Profil d'Ain Defali route D (1/15)
63	PRF-AD-PRO-402	Profil d'Ain Defali route D (2/15)
64	PRF-AD-PRO-403	Profil d'Ain Defali route D (3/15)
65	PRF-AD-PRO-404	Profil d'Ain Defali route D (4/15)
66	PRF-AD-PRO-405	Profil d'Ain Defali route D (5/15)
67	PRF-AD-PRO-406	Profil d'Ain Defali route D (6/15)
68	PRF-AD-PRO-407	Profil d'Ain Defali route D (7/15)
69	PRF-AD-PRO-408	Profil d'Ain Defali route D (8/15)
70	PRF-AD-PRO-409	Profil d'Ain Defali route D (9/15)
71	PRF-AD-PRO-410	Profil d'Ain Defali route D (10/15)
72	PRF-AD-PRO-411	Profil d'Ain Defali route D (11/15)
73	PRF-AD-PRO-412	Profil d'Ain Defali route D (12/15)
74	PRF-AD-PRO-413	Profil d'Ain Defali route D (13/15)
75	PRF-AD-PRO-414	Profil d'Ain Defali route D (14/15)
76	PRF-AD-PRO-415	Profil d'Ain Defali route D (15/15)
77	PRF-AD-PRO-501	Profil d'Ain Defali route E (1/3)
78	PRF-AD-PRO-502	Profil d'Ain Defali route E (2/3)
79	PRF-AD-PRO-503	Profil d'Ain Defali route E (3/3)
80	PRF-AD-PRO-601	Profil d'Ain Defali route F (1/6)
81	PRF-AD-PRO-602	Profil d'Ain Defali route F (2/6)
82	PRF-AD-PRO-603	Profil d'Ain Defali route F (3/6)
83	PRF-AD-PRO-604	Profil d'Ain Defali route F (4/6)
84	PRF-AD-PRO-605	Profil d'Ain Defali route F (5/6)
85	PRF-AD-PRO-606	Profil d'Ain Defali route F (6/6)
86	PRF-AD-PRO-701	Profil d'Ain Defali route G (1/14)
87	PRF-AD-PRO-702	Profil d'Ain Defali route G (2/14)
88	PRF-AD-PRO-703	Profil d'Ain Defali route G (3/14)
89	PRF-AD-PRO-704	Profil d'Ain Defali route G (4/14)
90	PRF-AD-PRO-705	Profil d'Ain Defali route G (5/14)
91	PRF-AD-PRO-706	Profil d'Ain Defali route G (6/14)
92	PRF-AD-PRO-707	Profil d'Ain Defali route G (7/14)
93	PRF-AD-PRO-708	Profil d'Ain Defali route G (8/14)
94	PRF-AD-PRO-709	Profil d'Ain Defali route G (9/14)
95	PRF-AD-PRO-710	Profil d'Ain Defali route G (10/14)
96	PRF-AD-PRO-711	Profil d'Ain Defali route G (11/14)
97	PRF-AD-PRO-712	Profil d'Ain Defali route G (12/14)
98	PRF-AD-PRO-713	Profil d'Ain Defali route G (13/14)
99	PRF-AD-PRO-714	Profil d'Ain Defali route G (14/14)
100		Volume des travaux approximatif de chaque site



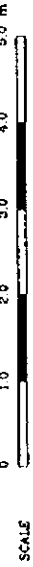
PLAN



SECTION 1-1



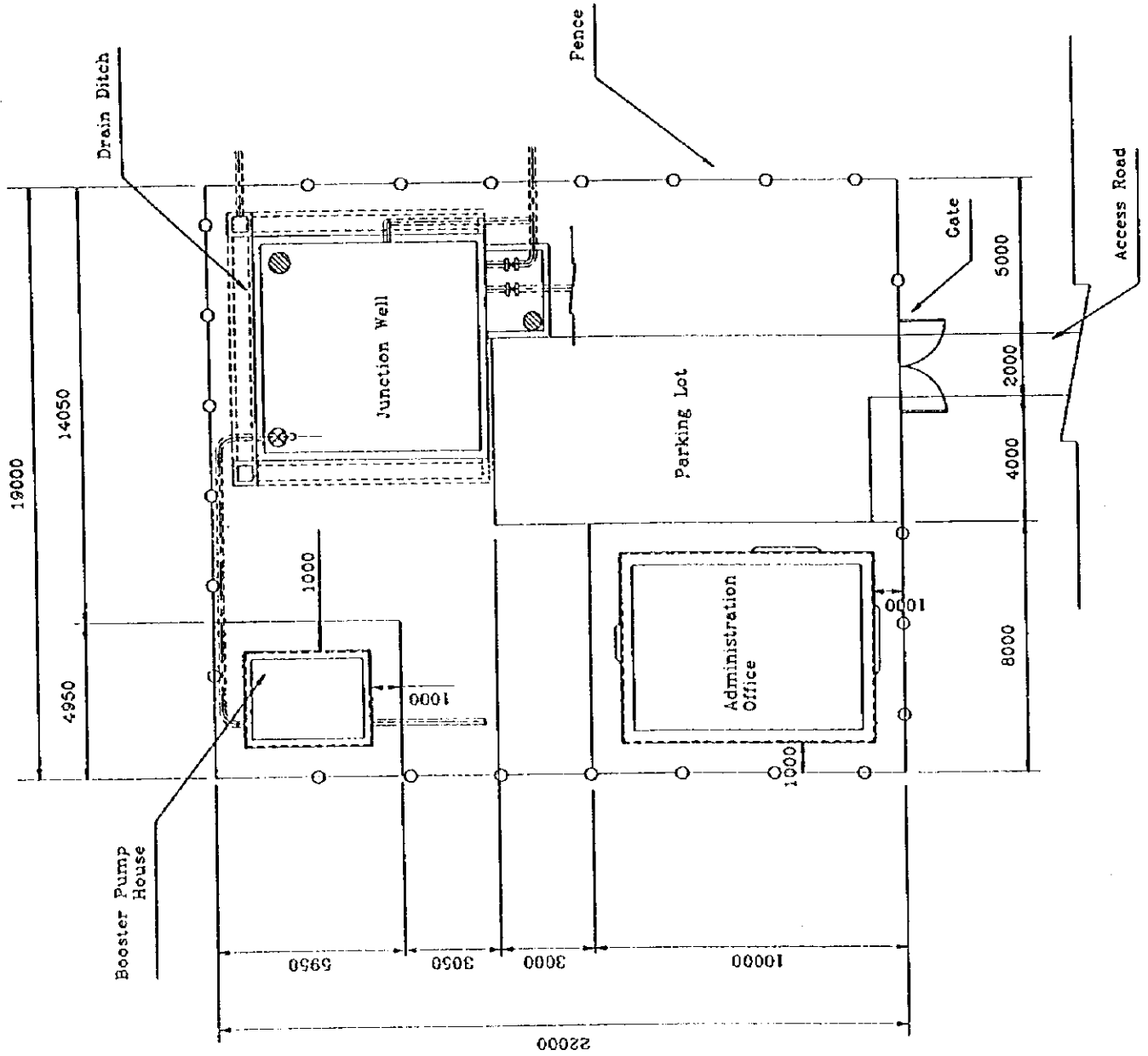
ELEVATION



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING

Local de pompage

DATE 19/10/88 DWG NO PRP-SD-CEN-002  
 NIPPON KOGI CO., LTD. TOKYO JAPAN



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
 Aperçu de la station pompe de relais

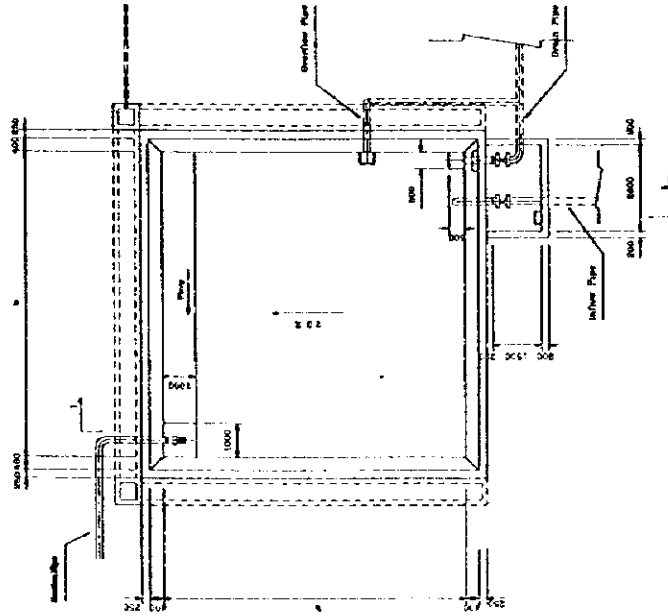
DATE: 1961/11/15 DWG. NO: PRP-SD-GEN-003  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

YARD PLAN

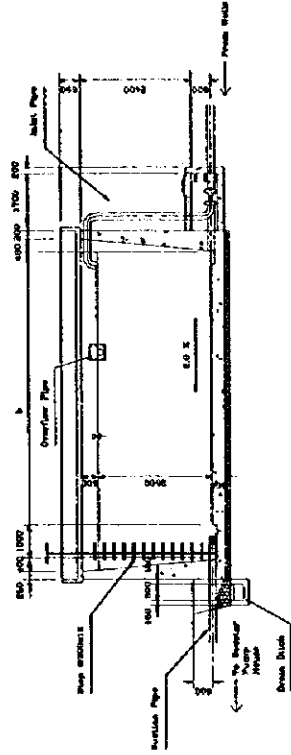


PLATE NO.

AREA	b
AIN DEFALI	7,000
TEROUAL	5,000



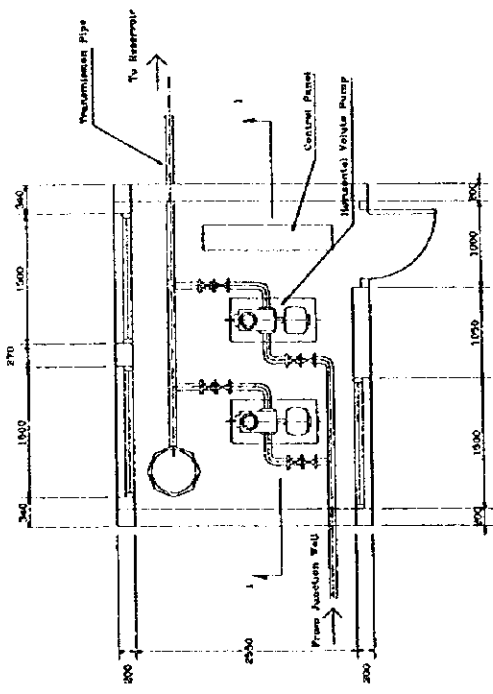
PLAN



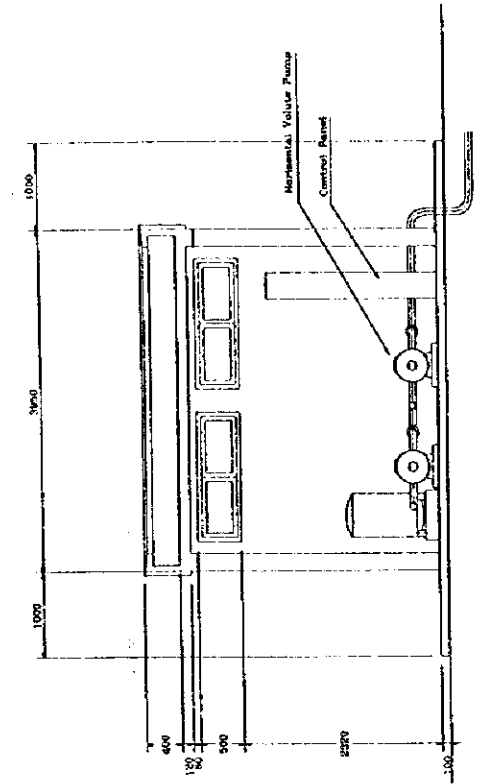
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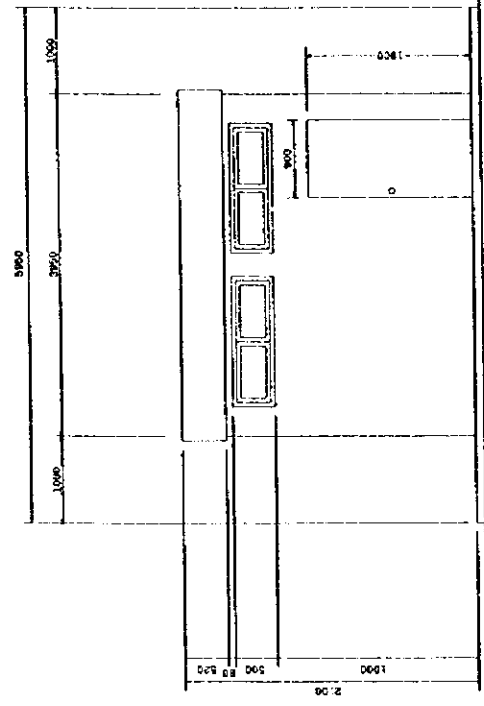
KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY	
IN THE PRE-RIF REGION	
TITLE OF DRAWING	
<b>Puits de jonction</b>	
DATE	DWG. NO
	PRP-SD-CEN-004
NIPPON KOEI CO., LTD. TOKYO JAPAN	



FLOOR PLAN



SECTION 1-1

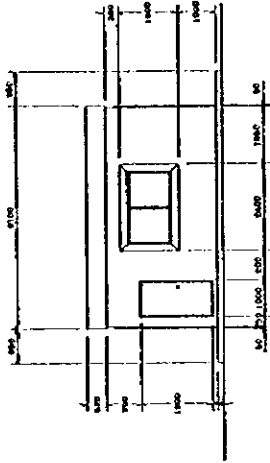


ELEVATION

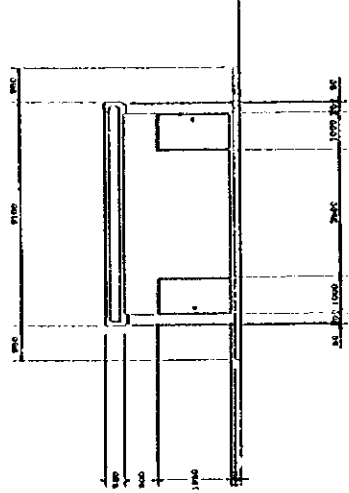


KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY IN THE PRE-RIF REGION	
TITLE OF DRAWING <b>Local s pompe de relais</b>	
DATE	DWG. NO.
1971.10	PRP-SD-GEN-005
NIPPON KOEI CO., LTD. TOKYO JAPAN	

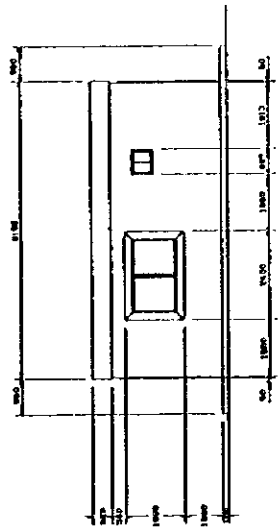




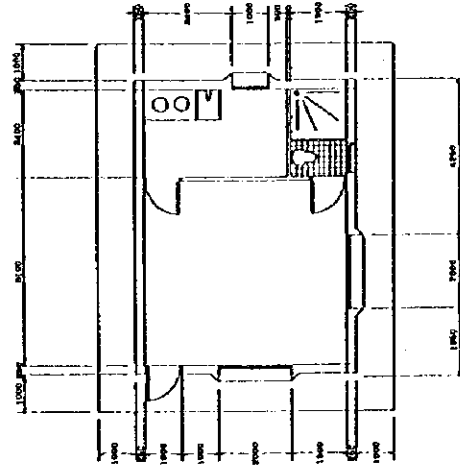
ENTRANCE ELEVATION



SECTION 1-1



ELEVATION



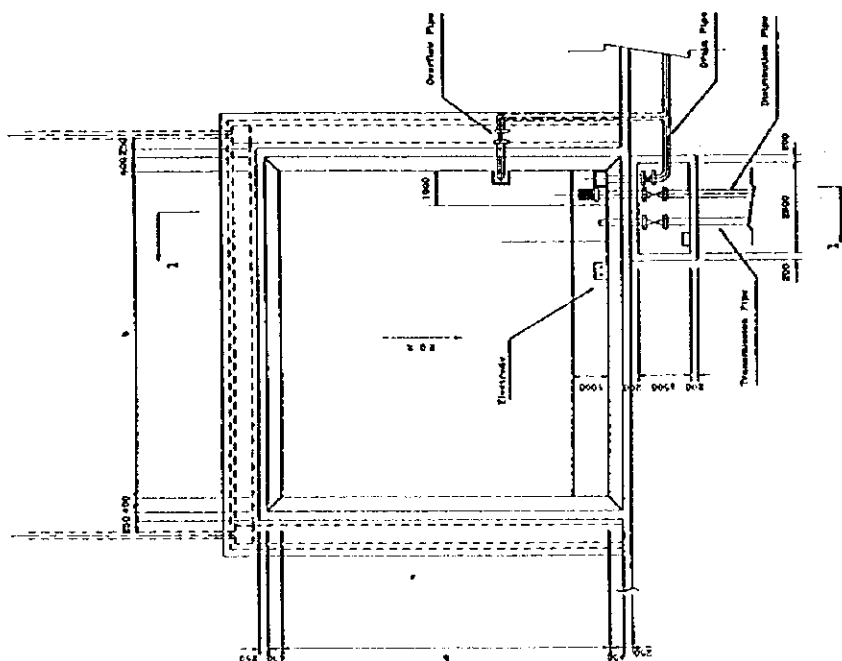
FLOOR PLAN

KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY	
IN THE PRE-RIF REGION	
Bureau de gestion	
TITLE OF DRAWING	
DATE	DWG NO
	PRF-SD-CEN-008
NIPPON KOEI CO., LTD. TOKYO JAPAN	

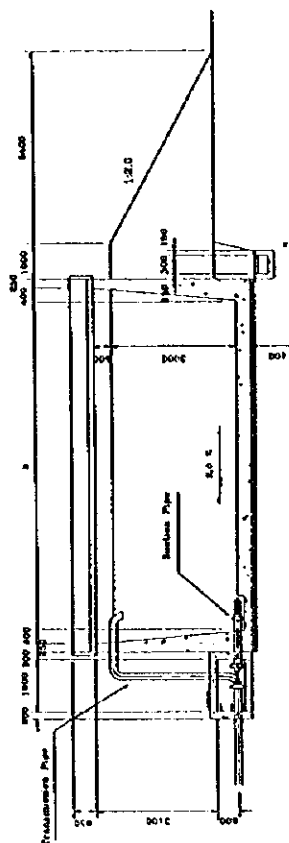




AREA	b
AIN DEFALI	4,800
HIGH LEVEL AREA	6,400
MIDDLE LEVEL AREA	11,100
LOW LEVEL AREA	
TSROUAL	9,300
EL BIBANE	6,300



PLAN



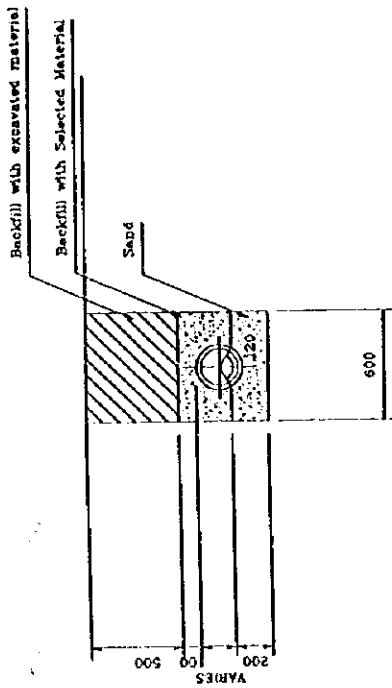
SECTION 1-1



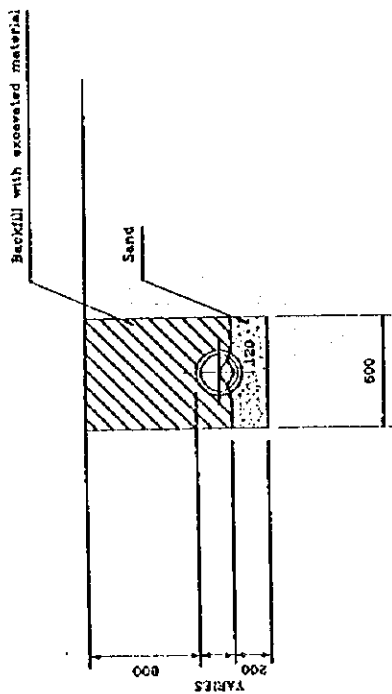
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING

Réservoir de répartition

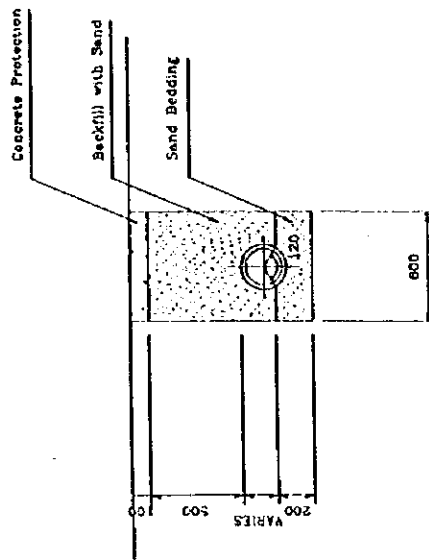
DATE: / / DRAWN BY: DEC. NO: PRF-SD-CEN-009  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



NORMAL AREA  
ROCK SURFACE



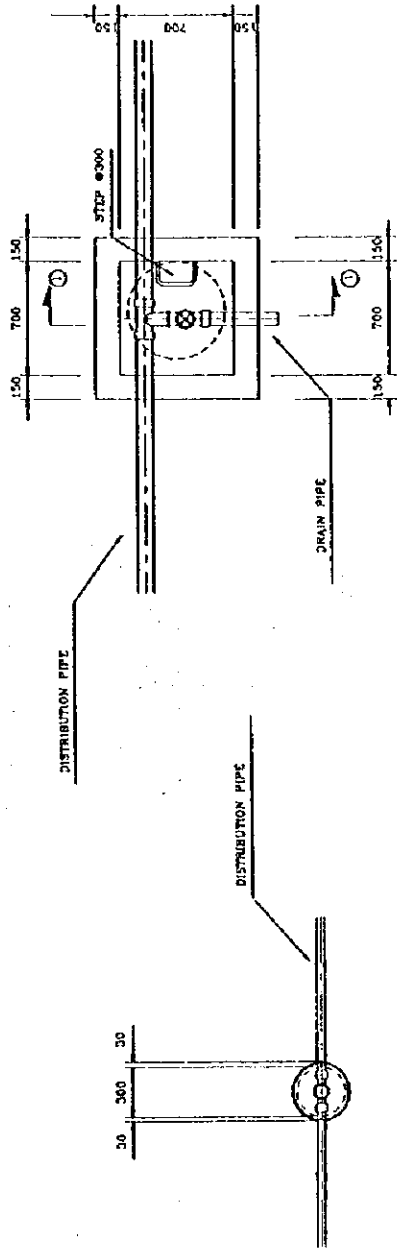
NORMAL AREA  
SOIL SURFACE



MOUNTAIN AREA  
(Slope  $\geq 15\%$ )

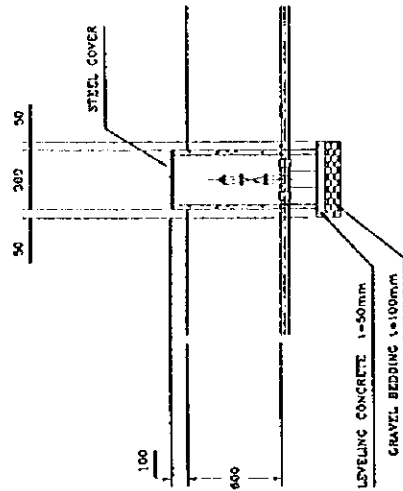
SCALE 0 0.2 0.4 0.6 0.8 1.0 m

KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Section type de pose des conduites	
DATE	DATE
NO./VOLUME	DWG. NO.
PRF-SD-CEN-008	
NIPPON KOEI CO., LTD. TOKYO JAPAN	

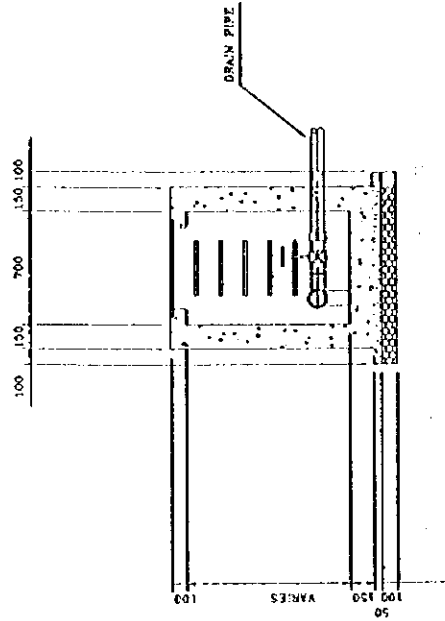


AIR /STOP VALVE PLAN

DRAIN VALVE PLAN



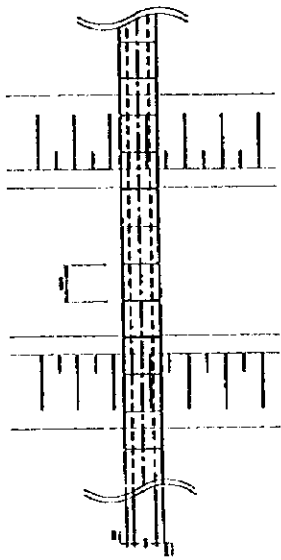
SECTION



SECTION 1-1

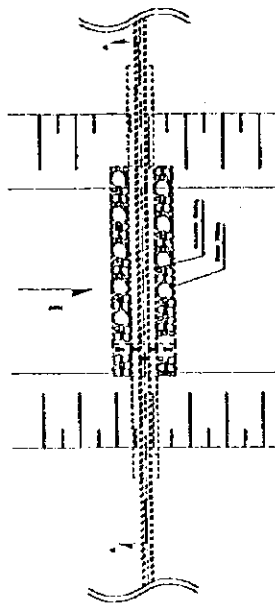
SCALE 0 0.2 0.4 0.6 0.8 1.0 m

KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY	
IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Plan type de la cage de soupape	
DATE	DWG. NO
PRF-SD-CEN-010	
NIPPON KOEI CO., LTD. TOKYO JAPAN	



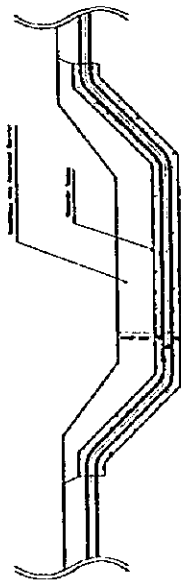
ROAD CROSSING PLAN

Scale 1/100



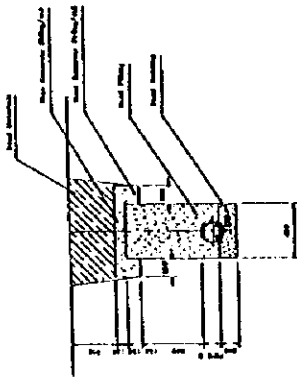
RIVER CROSSING PLAN

Scale 1/100



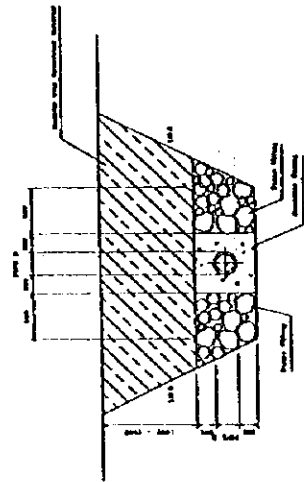
SECTION A-A

Scale 1/100



CROSS SECTION OF ROAD CROSSING

SCALE B



CROSS SECTION OF RIVER CROSSING

SCALE B



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING

Plan de travérisse des routes et rivières

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

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DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

DRW/VS

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DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011

DATE

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DWG. NO

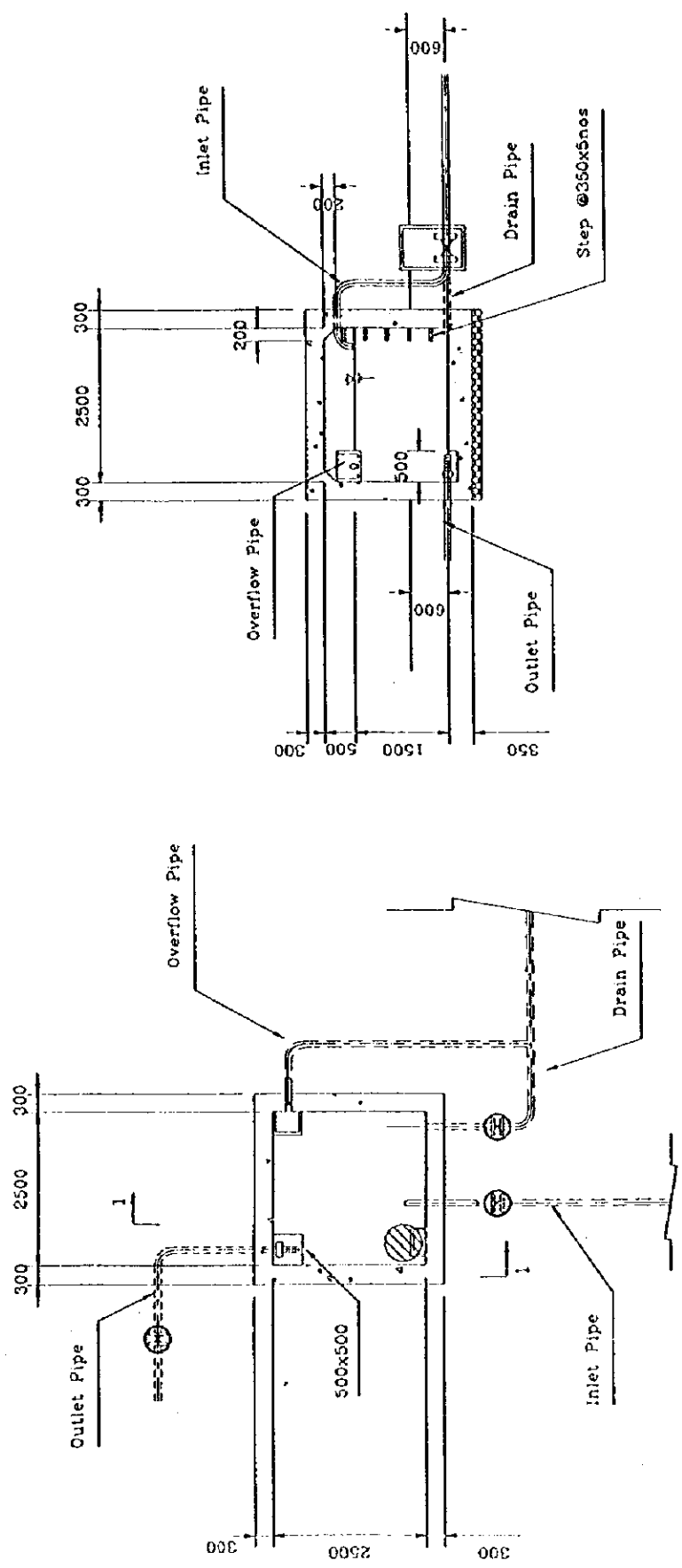
PRP-SD-CEN-011

DATE

DRW/VS

DWG. NO

PRP-SD-CEN-011



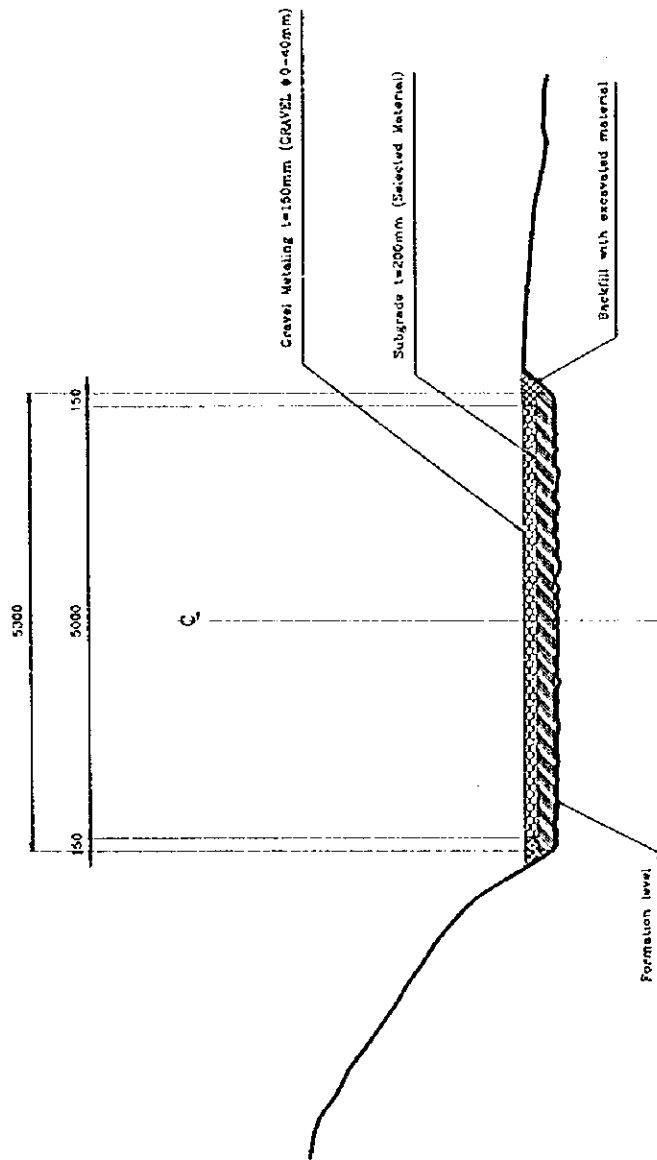
SECTION I-1

PLAN

KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Reservoir pour la réduction de pression	
DATE	DWG. NO
	PRF-SD-CEN-012
NIPPON KOEI CO., LTD. TOKYO JAPAN	





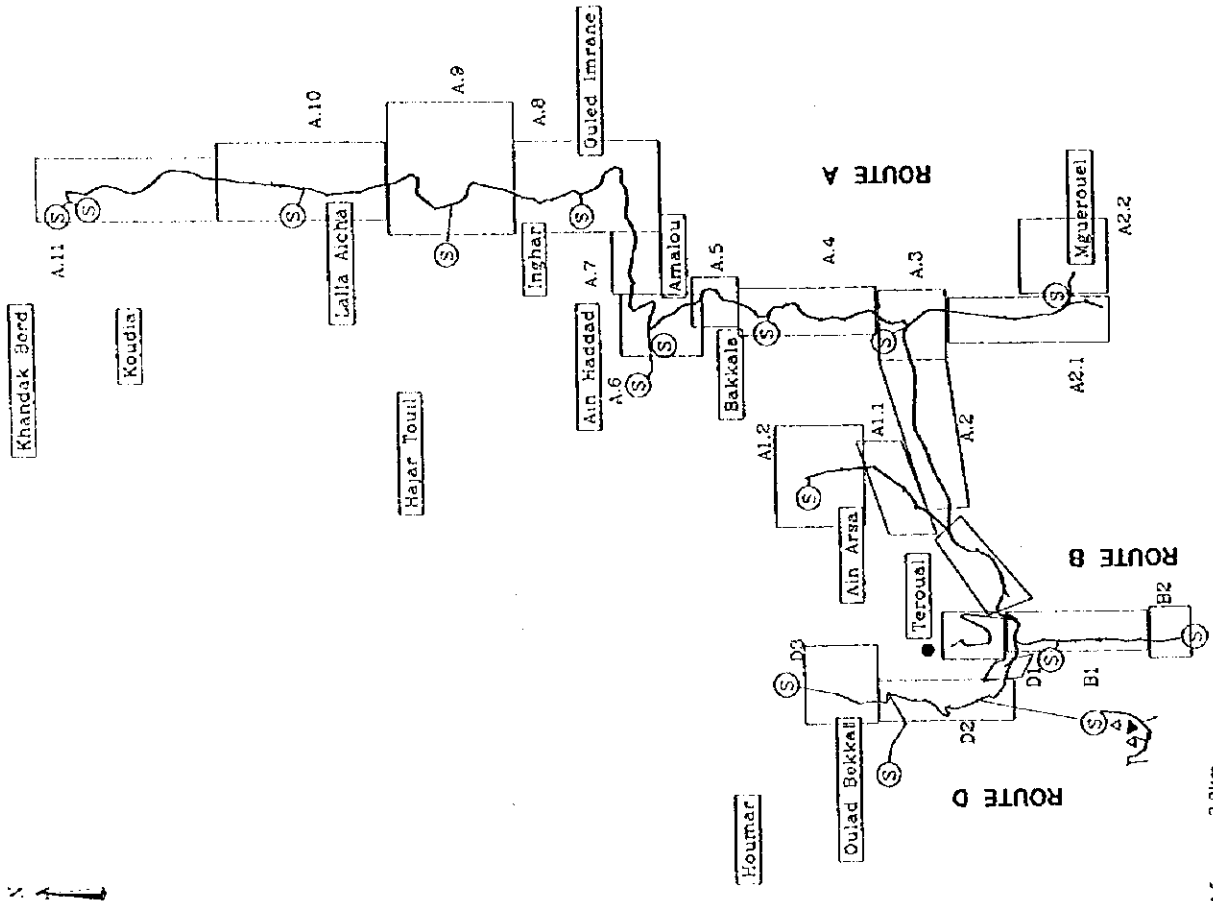


AREA	ROUTE
AIN DEFALI	2.072 m
TEROUAL	156 m
EL BIBANE	32 m

Typical Section of Maintenance Road



KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY	
IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Plan type de la route du maintien	
DATE	DWG. NO.
	PRF-SD-GEN-014
NIPPON KOEI CO., LTD. TOKYO JAPAN	



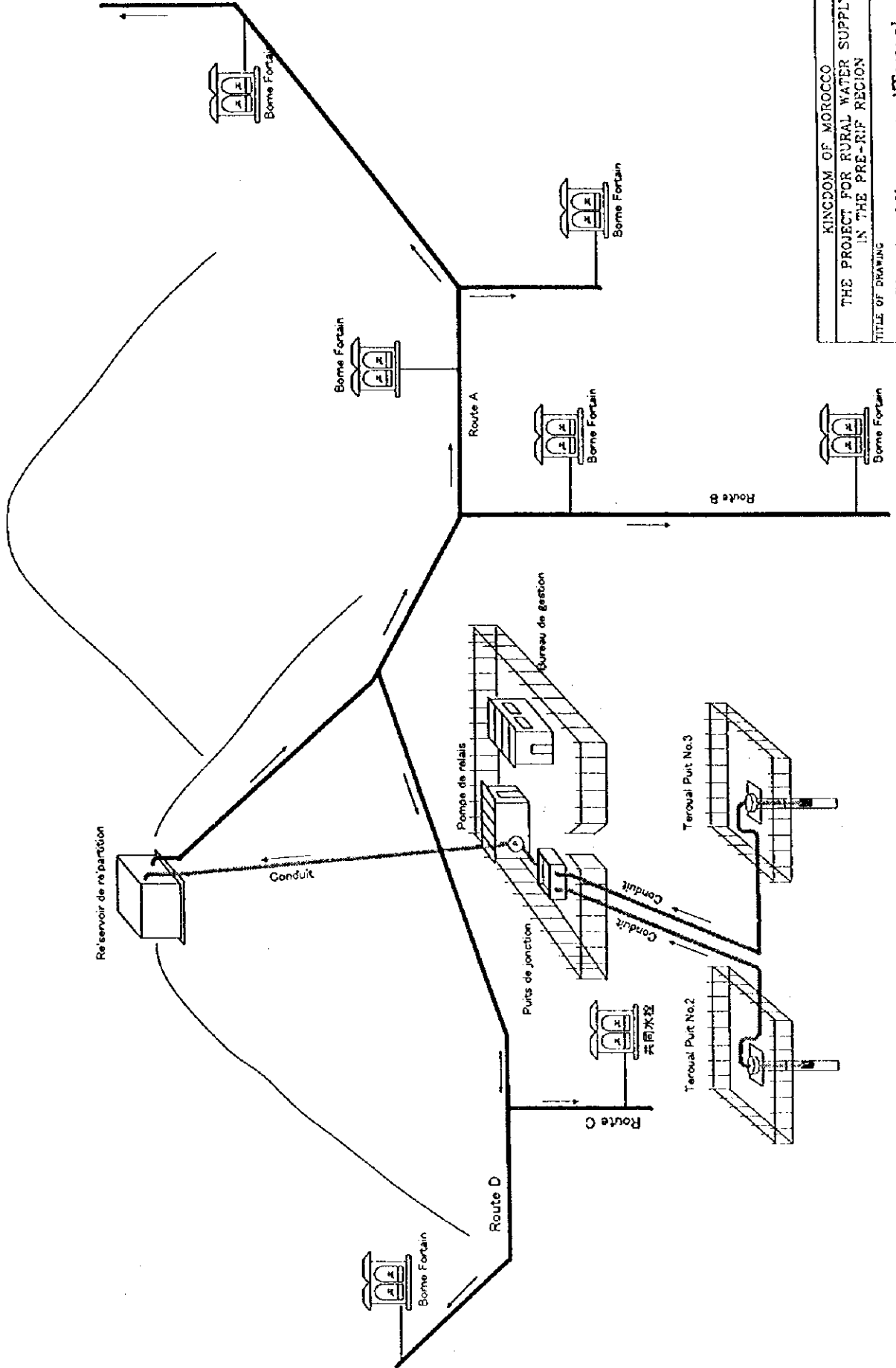
**LEGENDE**

	Boues Fardah
	Village
	Bas de repartition
	Point

KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Plan général de la zone de Teroual**

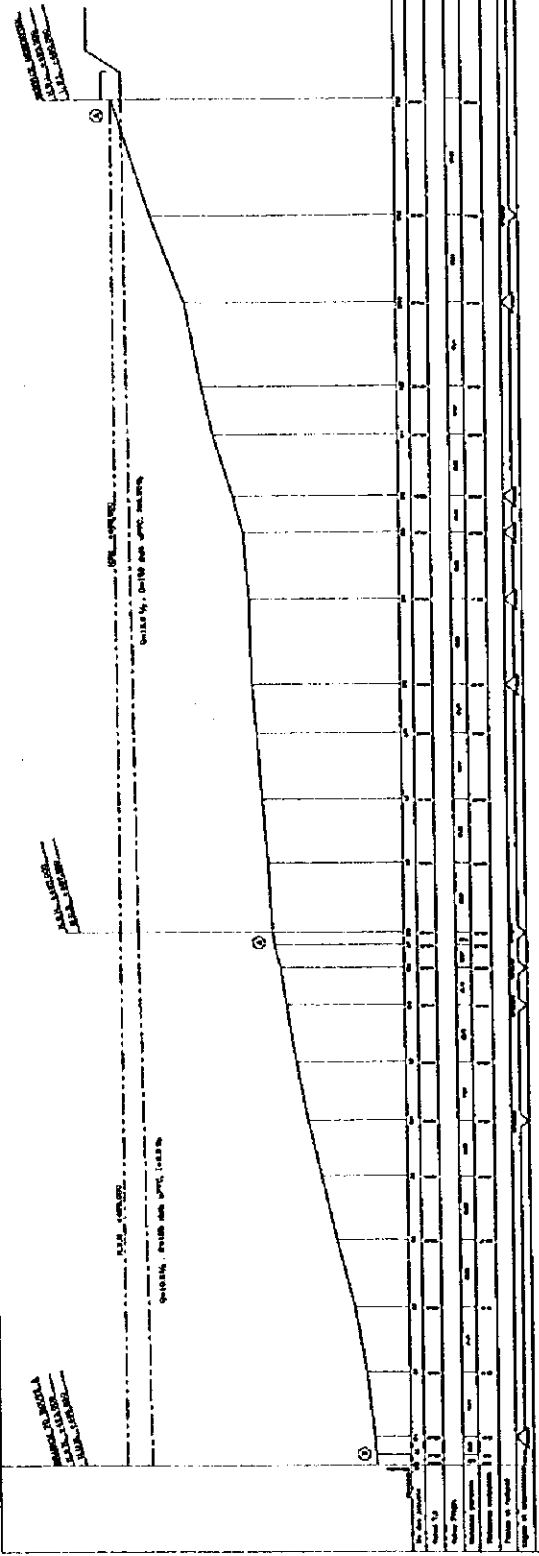
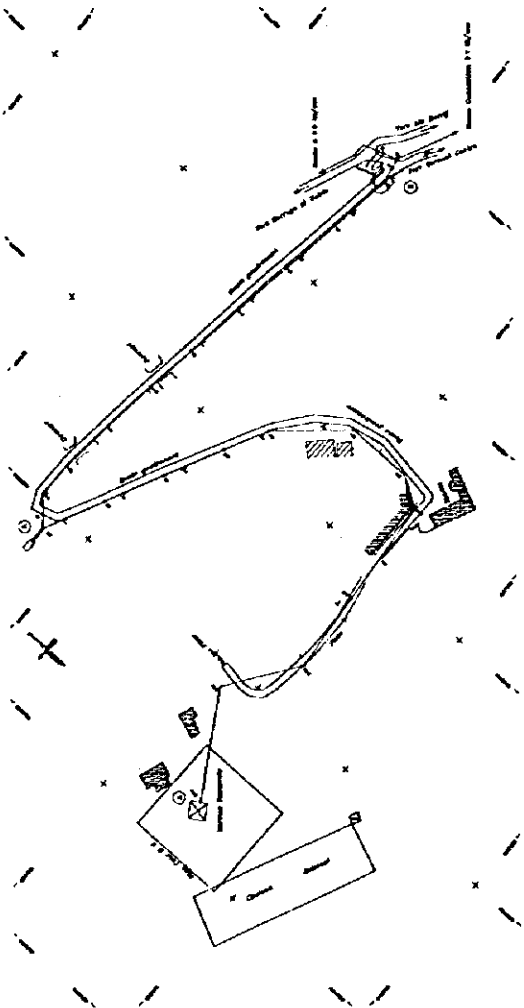
DATE: 08/06/78 DMC. NO: PRP-TR-GEN-01  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Plan d'établissements d'Teroual	
DATE	DWG. NO.
NIPPON KOEI CO., LTD. TOKYO JAPAN	

PLATE NO.

KEY MAP



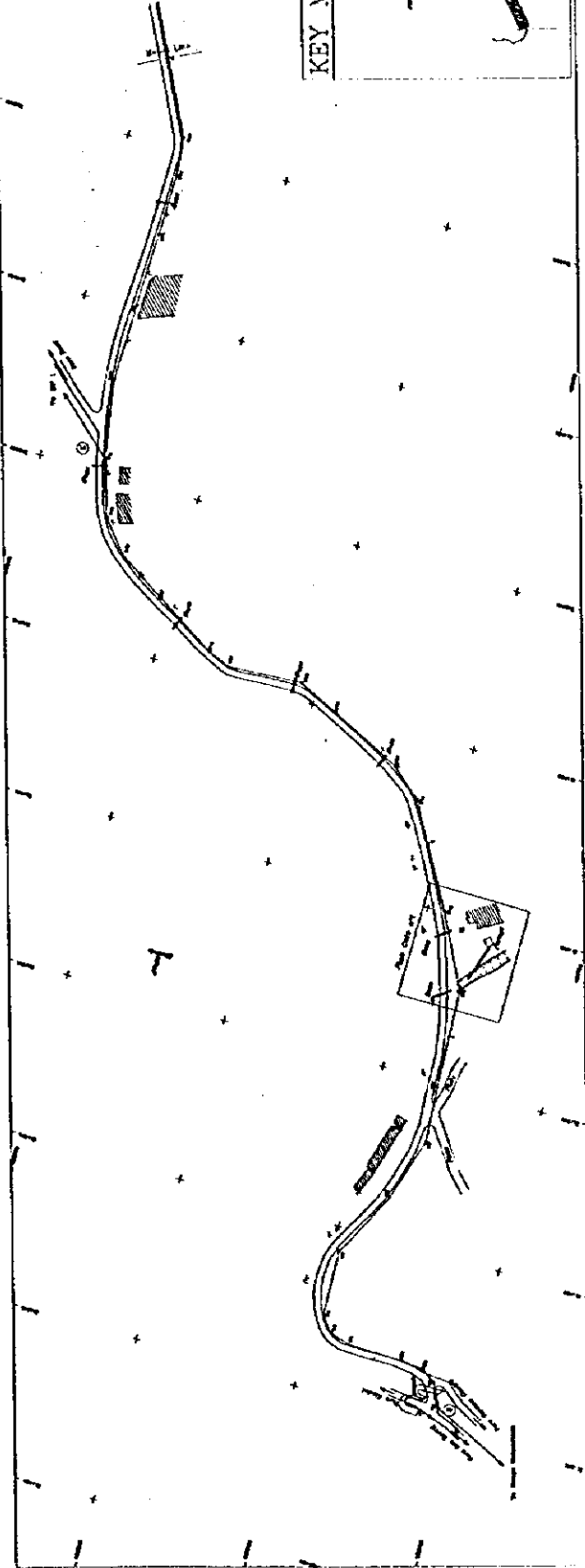
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'axe route commune 1**

DATE 08/05/21 DWG. NO. PRP-TR-PRO-01  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



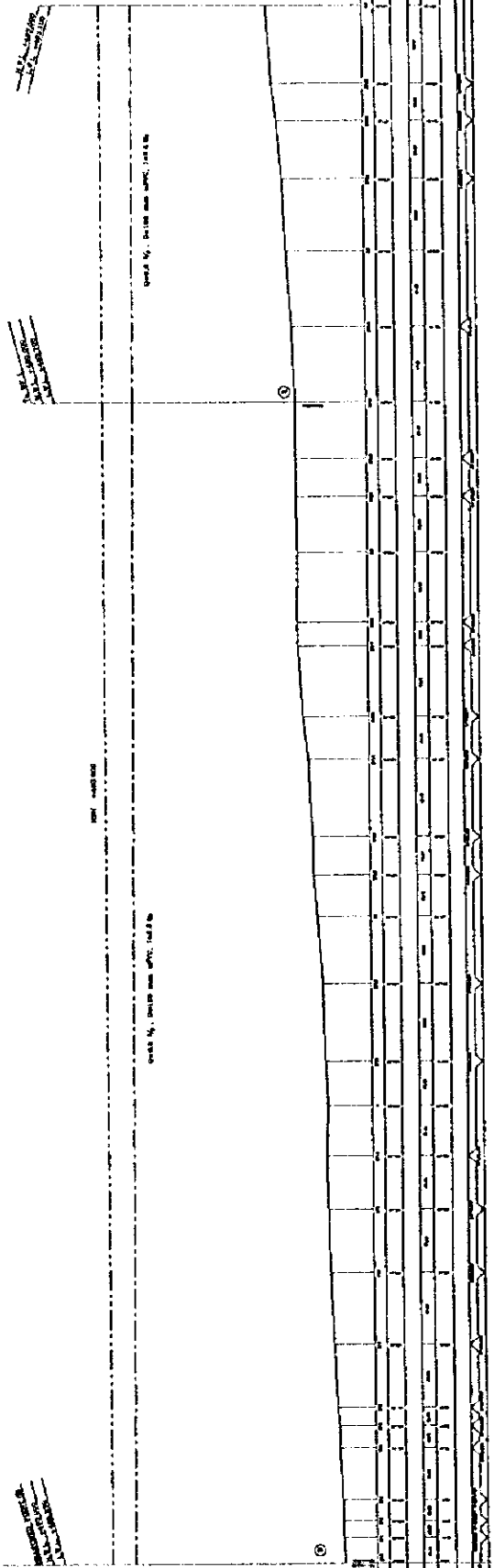
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PROJECT NO.

DATE

SCALE



KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profile of Terosoul route A (1/11)**

DATE 98/05/21 DWG. NO. PRF-7K-PRO-001  
NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP

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KINGDOM OF MOROCCO

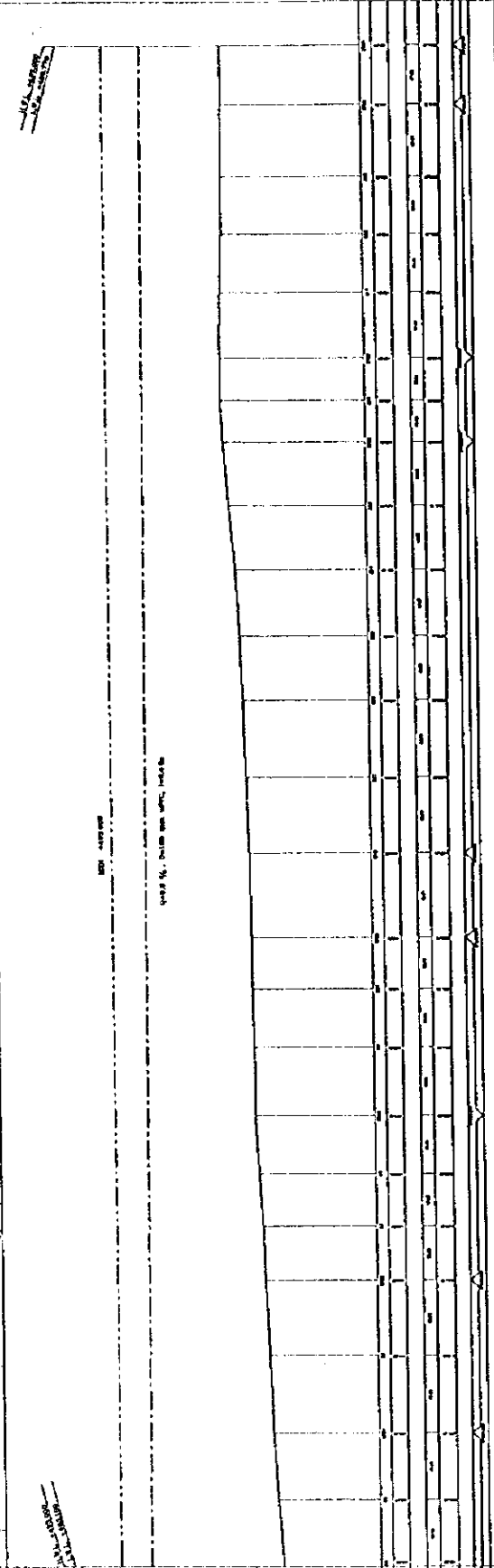
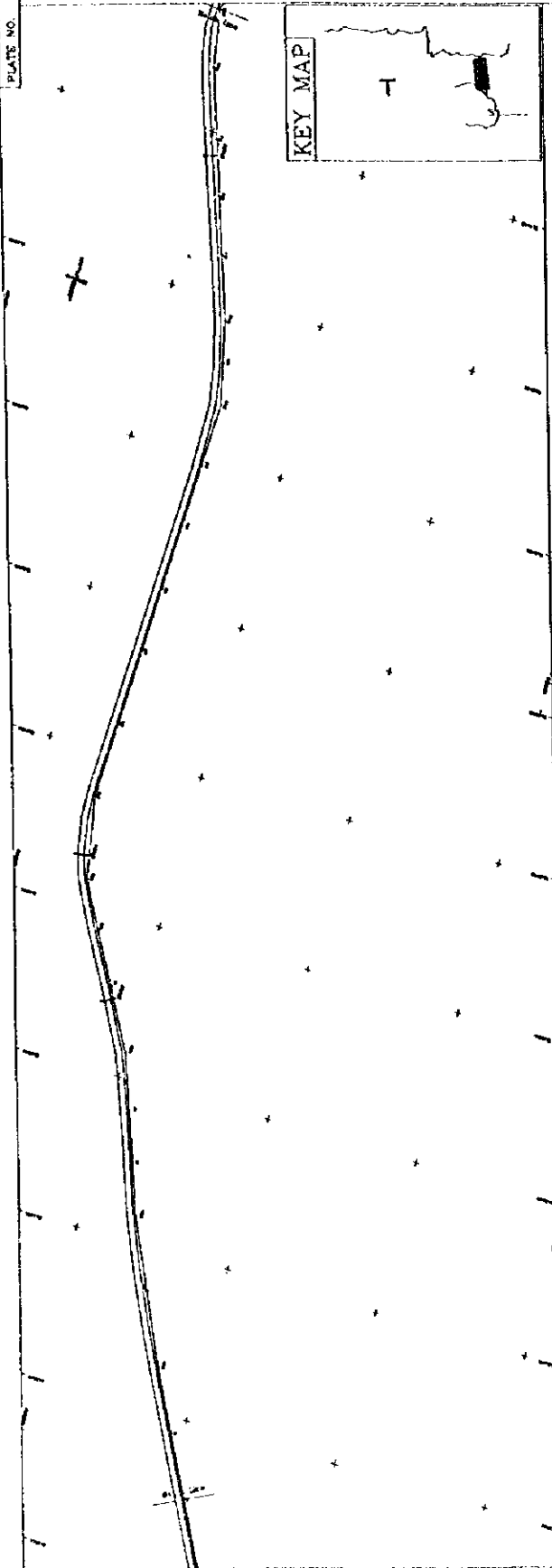
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIP REGION

TITLE OF DRAWING

Profile of Terroual route A (2/11)

DATE 04/05/81 DWG. NO. PRE-76-PRO-202

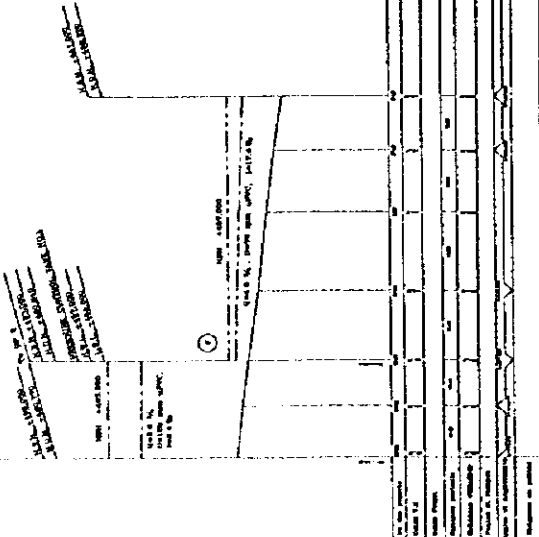
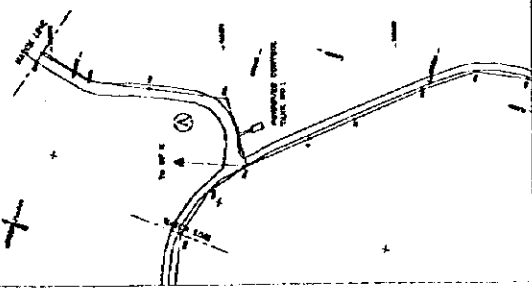
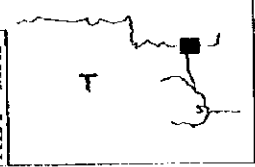
NIPPON KOEI CO., LTD. TOKYO JAPAN



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PLATE NO.

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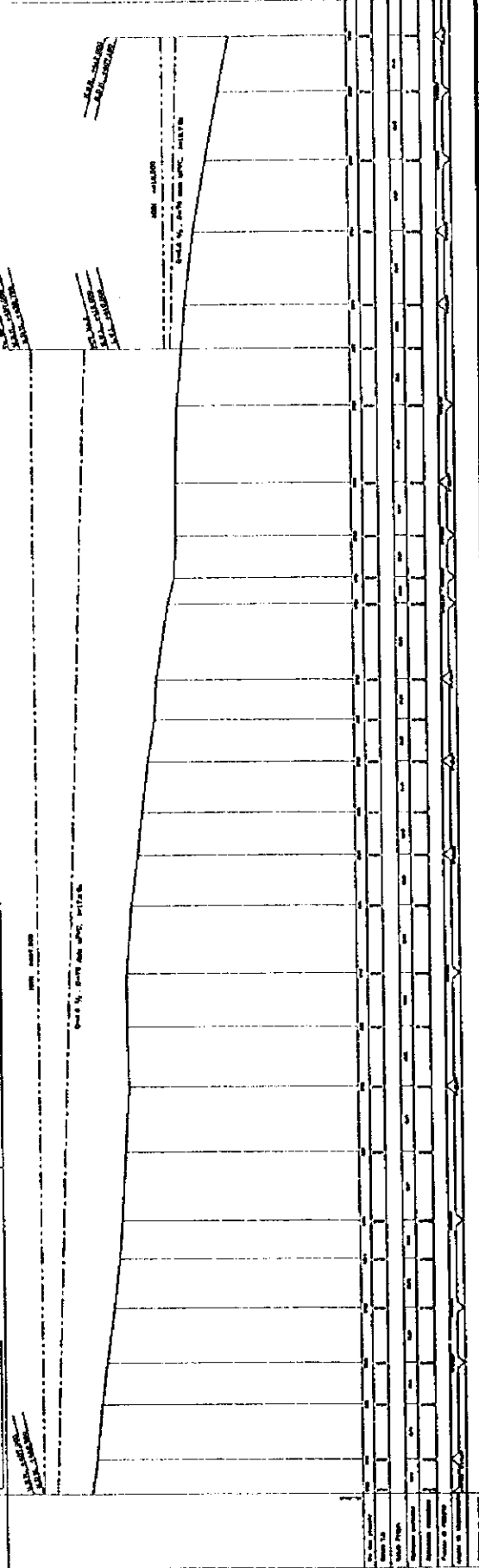
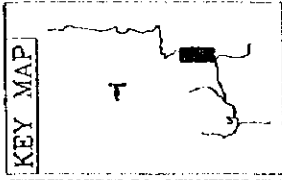
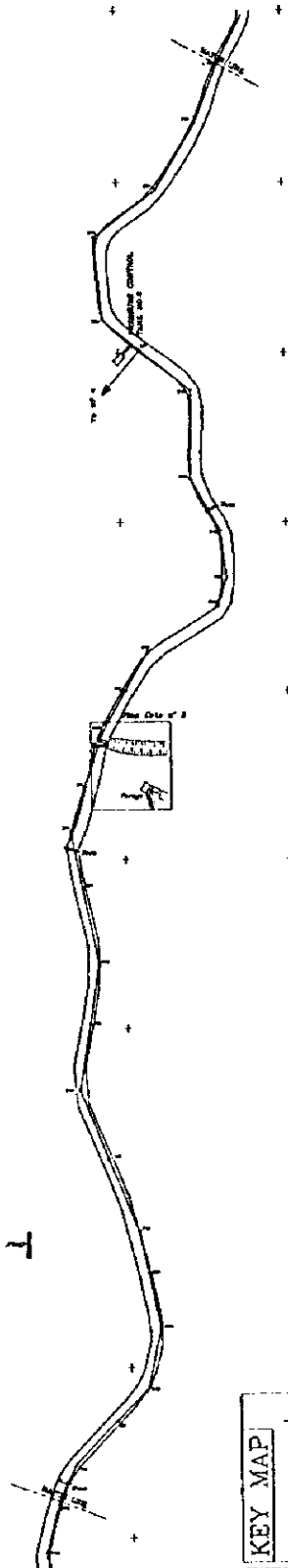


KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

Profile of Terroual route A (3/11)

DATE 18/05/21 DRC. NO PRP-TA-PRO-203  
NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil d'axe route A (4/11)**  
 DATE 98/05/21 DWG. NO. PDP-TR-PRD-204  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

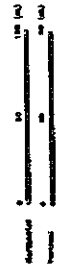
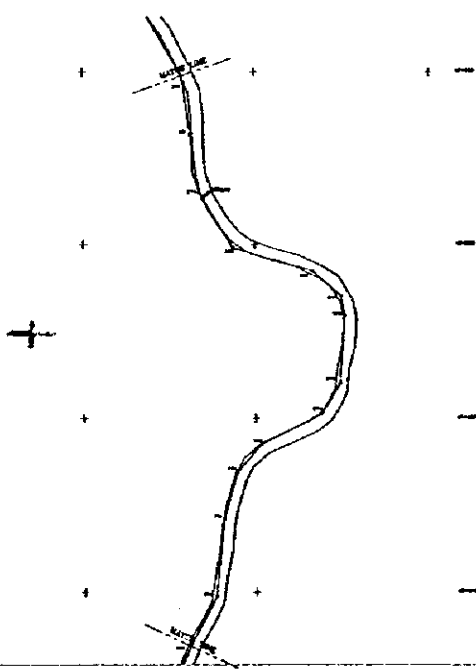




PLATE NO.

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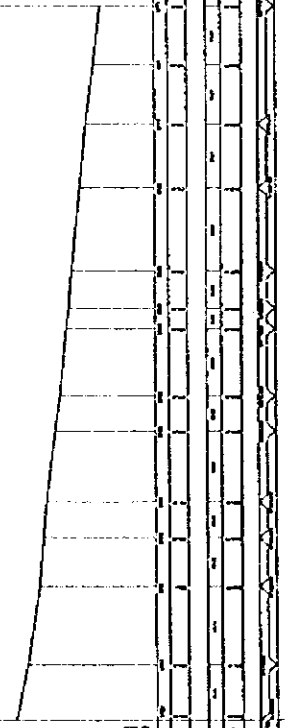


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PROFILING  
BY: [Name]

CHECKING  
BY: [Name]

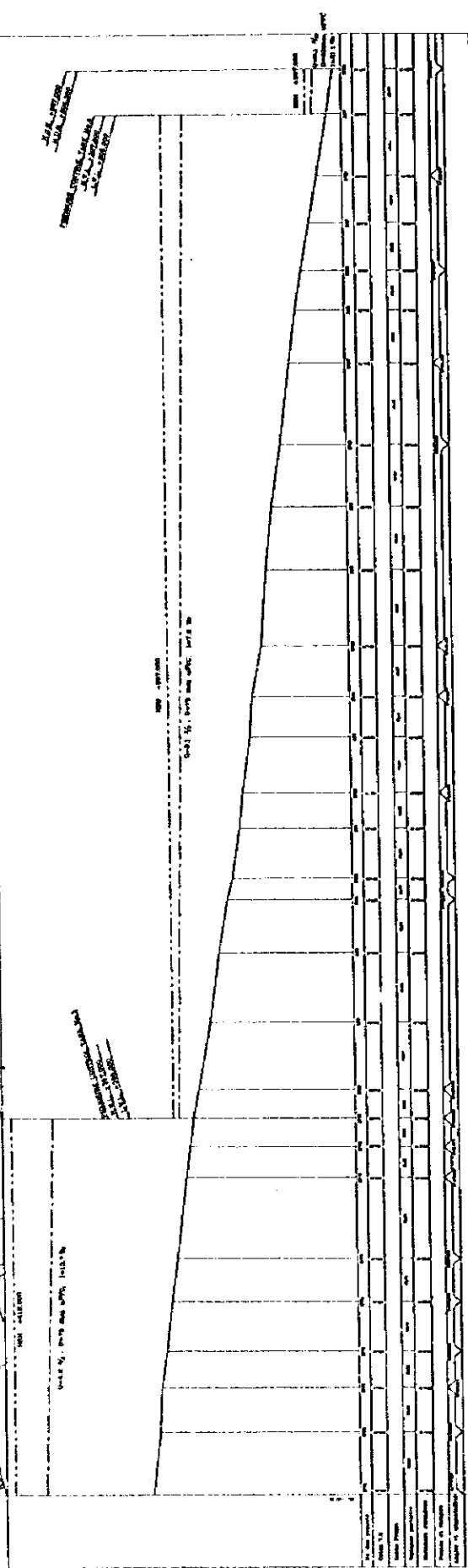
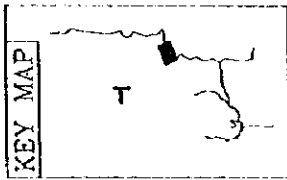
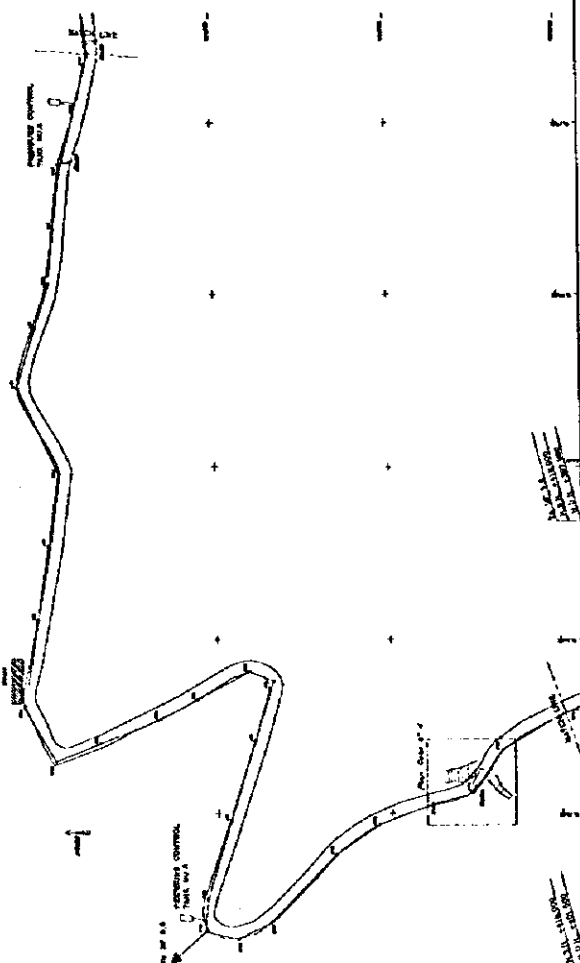


KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'axe route A (S/11)**

DATE 98/09/21 DWG. NO. PRP-TR-PRO-206  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.



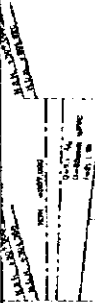
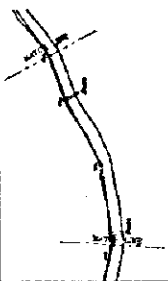
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profile of Tercenal route A (6/11)**

DATE 98/05/21 DWG. NO. PRP-TR-PRO-206  
 NIPPON KOGI CO., LTD. TOKYO JAPAN

PLANT NO.

KEY MAP



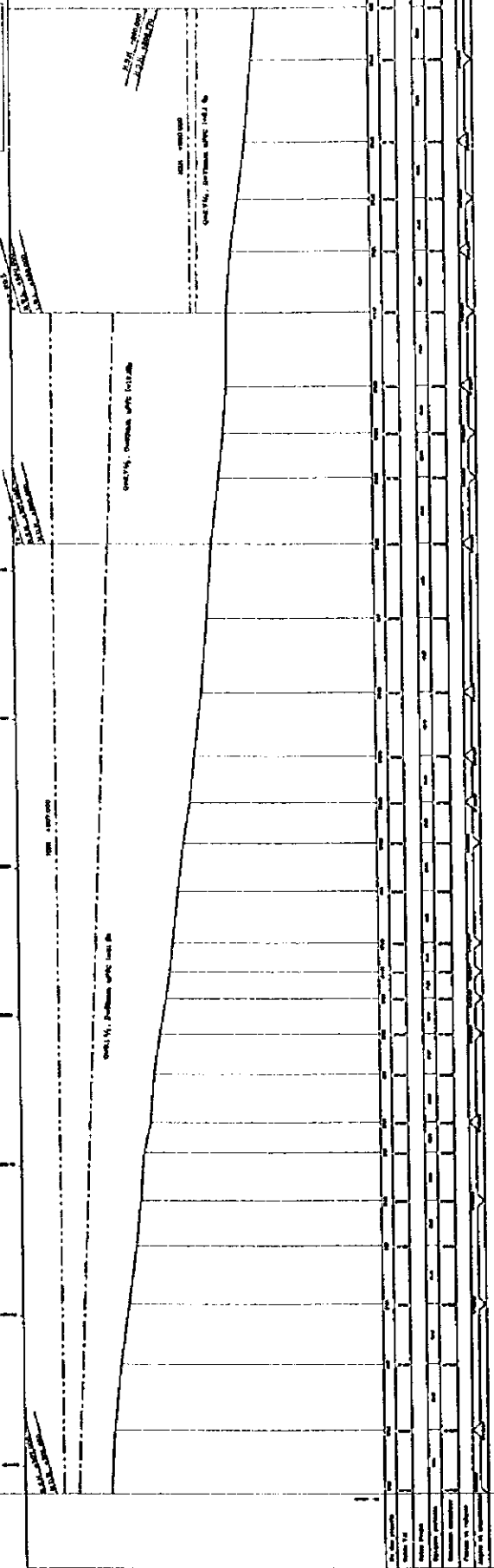
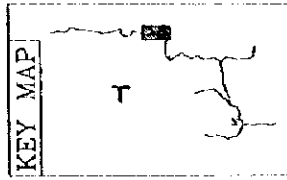
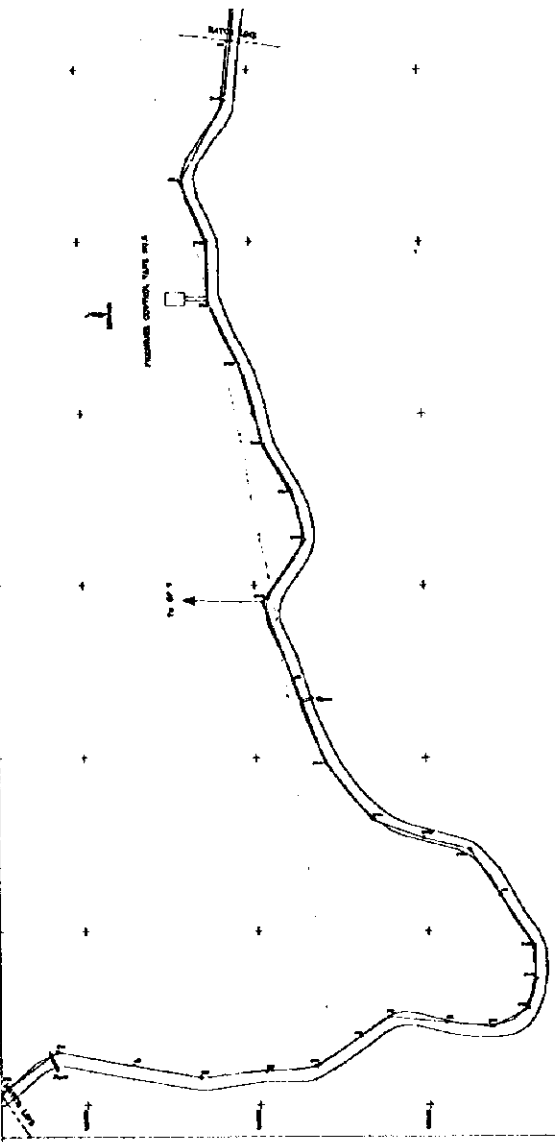
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Project No.	
Sheet No.	



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

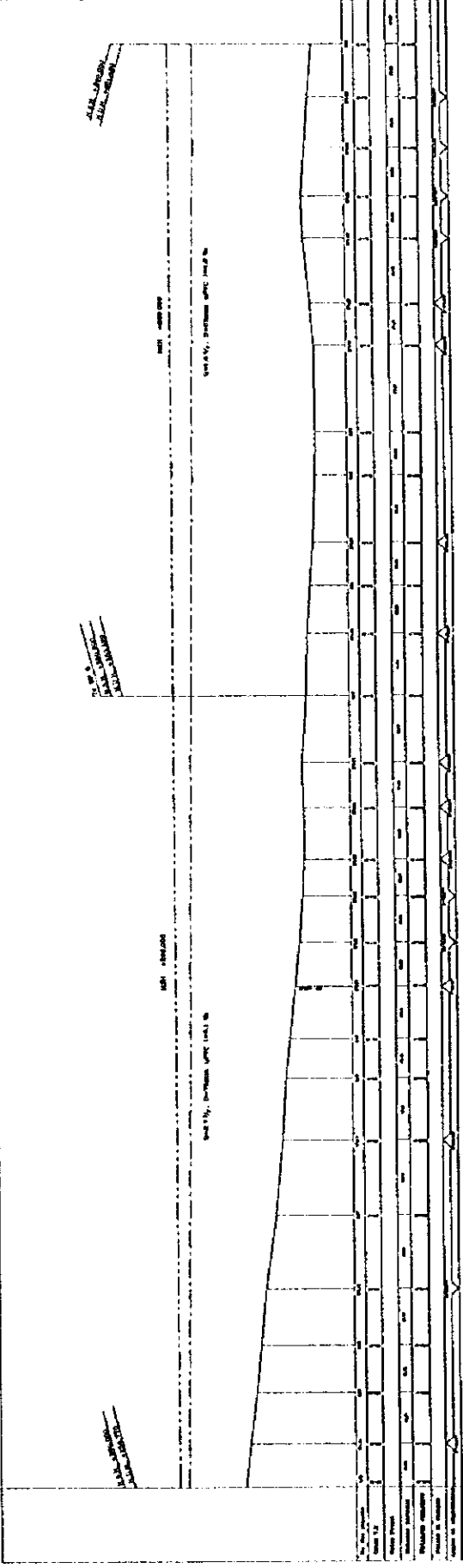
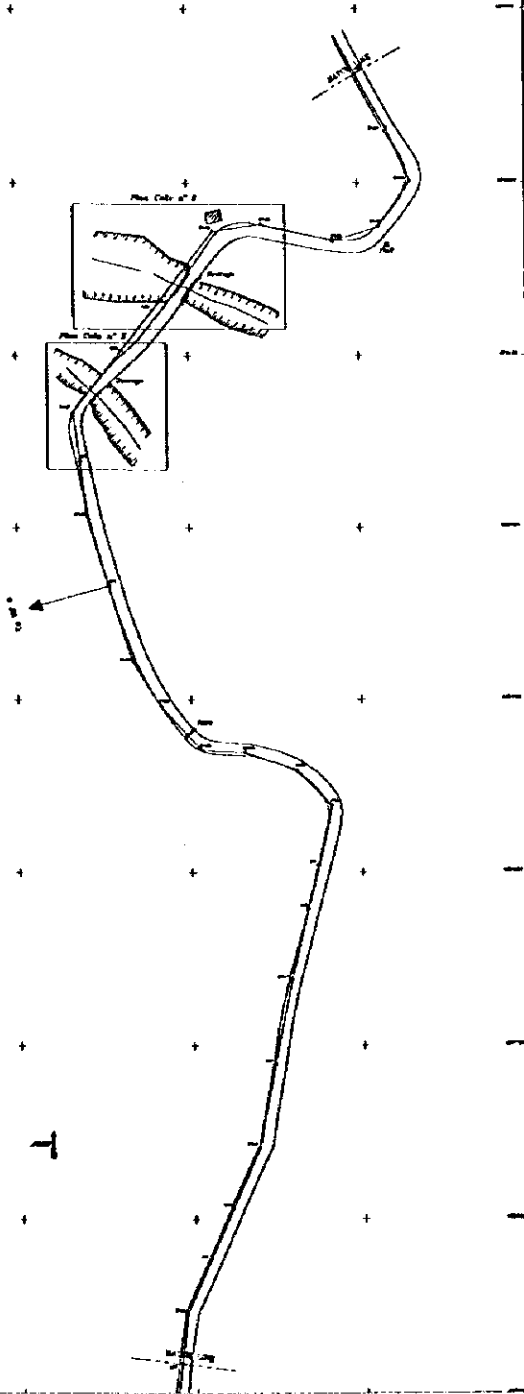
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**Profil d'axe route A (7/11)**

DATE 09/05/81 DWG. NO. PRE-78-PRO-207  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profile of Terroual route A (8/11)**  
 DATE 98/06/21 DWG. NO. PRP-TR-PRO-208  
 NIPPON KOGI CO., LTD. TOKYO JAPAN





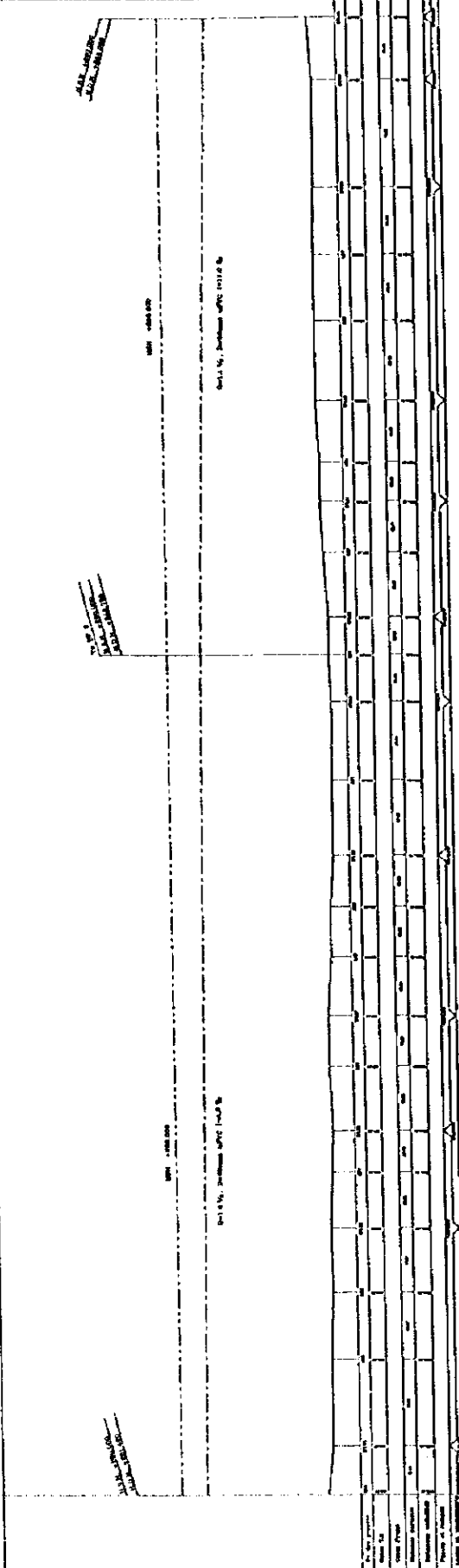
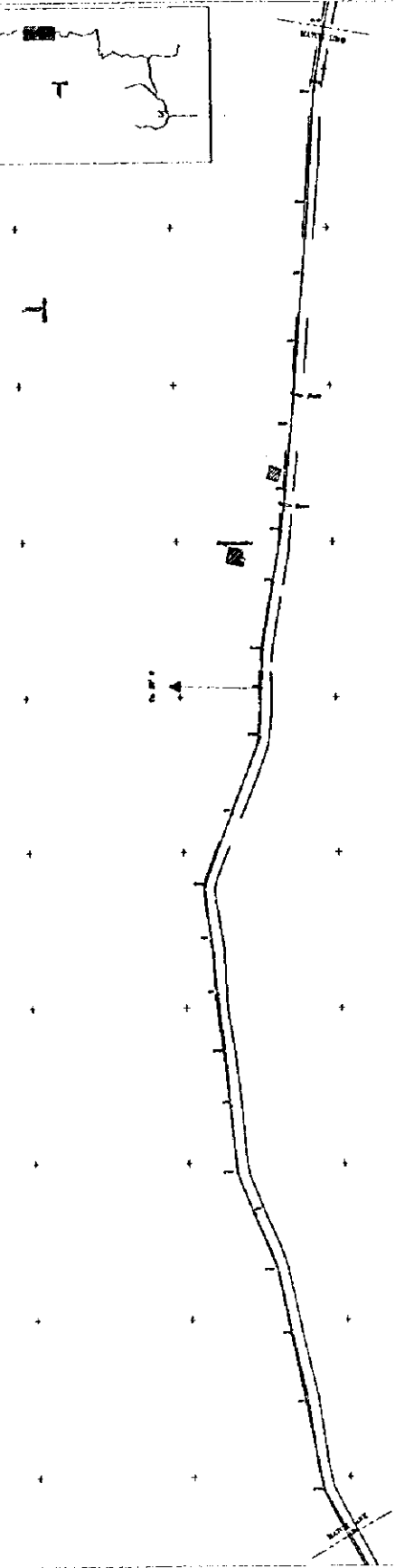
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

Profile of Terrenal route A (9/11)

DATE 98/05/21 DWG. NO. PRF-TR-PRO-208  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

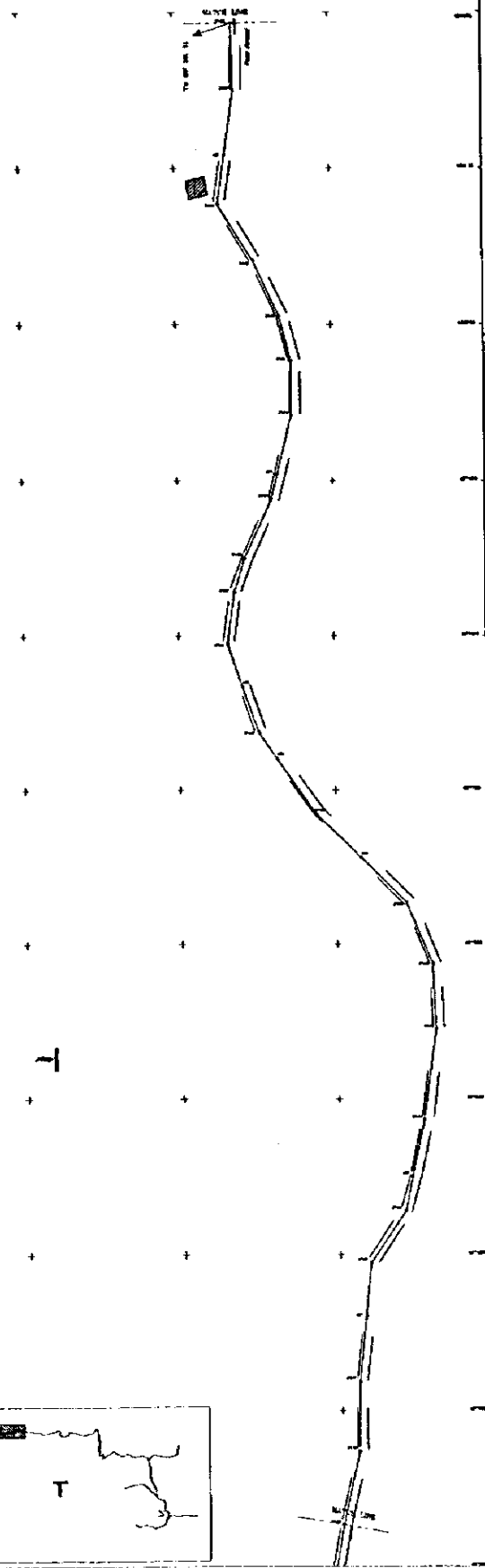
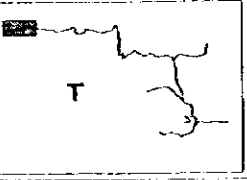
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**Profil d'Arrouis route A (10/11)**

DATE 96/05/21 DWG. NO. PRP-TR-PRO-210  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



PLATE NO.

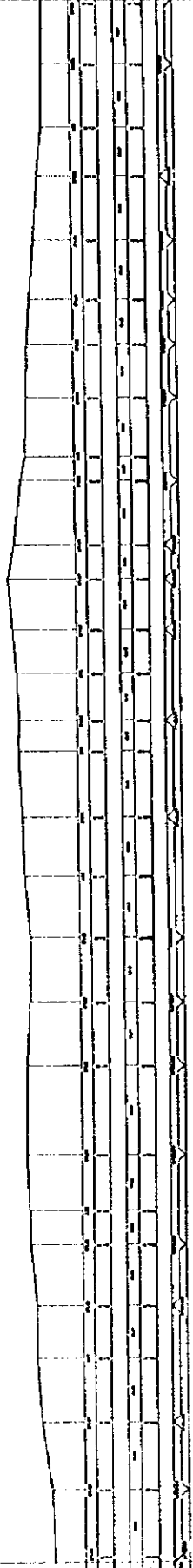
KEY MAP



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PROJECT: RURAL WATER SUPPLY

DATE: 11/11/11  
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PROJECT: RURAL WATER SUPPLY

DATE: 11/11/11  
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PROJECT: RURAL WATER SUPPLY



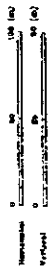
KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

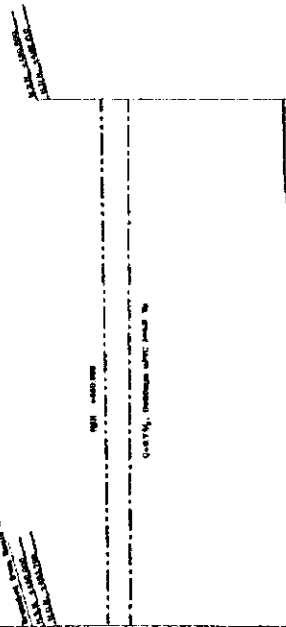
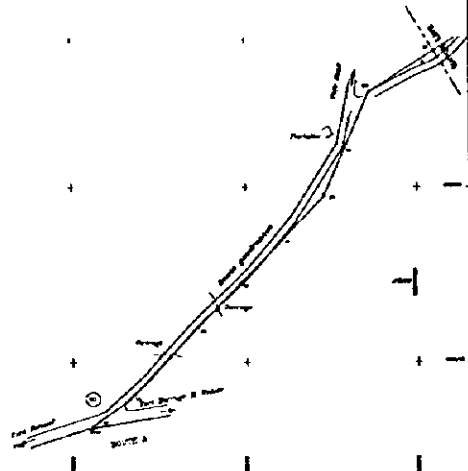
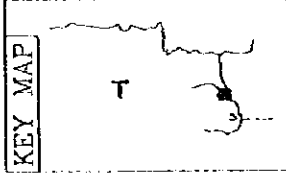
TITLE OF DRAWING

Profile of Teroual route A (11/11)

DATE: 08/05/21 DWG. NO: PRF-TK-PRO-211

NIPPON KOEI CO., LTD. TOKYO JAPAN





Stationing	Profile	Grade	Width	Depth	Notes
0+00	1.00	1.00	1.00	1.00	
0+10	1.00	1.00	1.00	1.00	
0+20	1.00	1.00	1.00	1.00	
0+30	1.00	1.00	1.00	1.00	
0+40	1.00	1.00	1.00	1.00	
0+50	1.00	1.00	1.00	1.00	
0+60	1.00	1.00	1.00	1.00	
0+70	1.00	1.00	1.00	1.00	
0+80	1.00	1.00	1.00	1.00	
0+90	1.00	1.00	1.00	1.00	
1+00	1.00	1.00	1.00	1.00	

KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

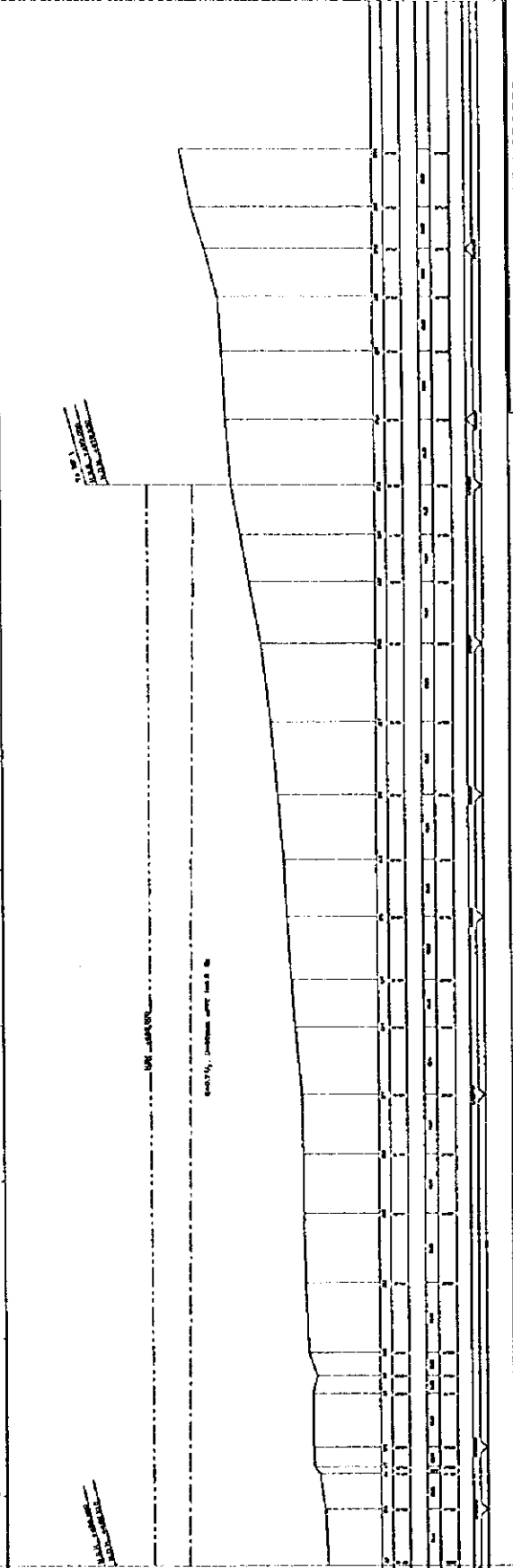
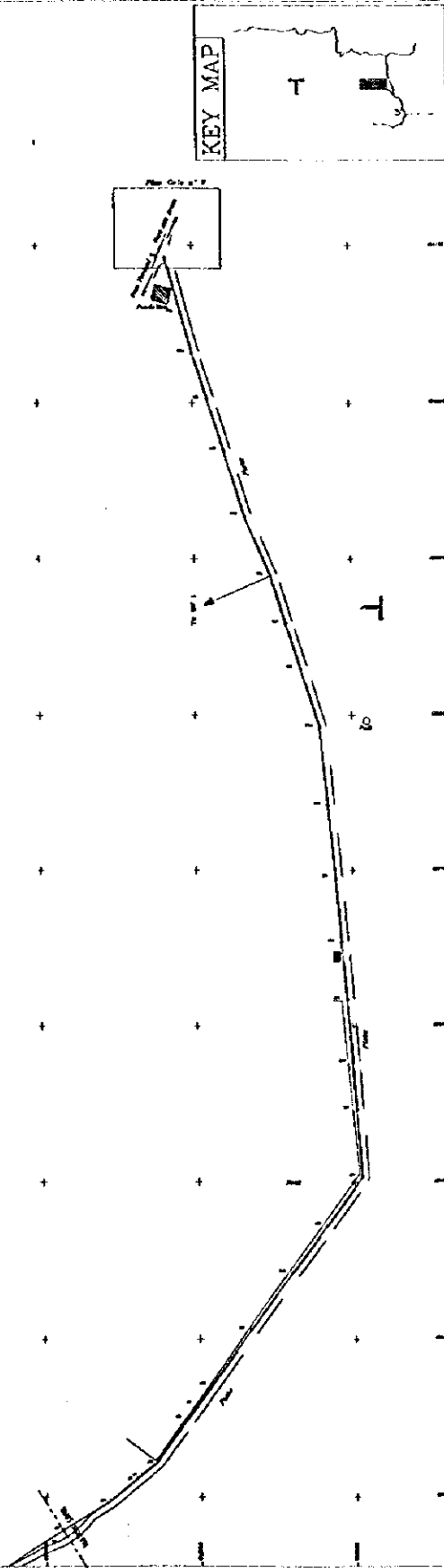
TITLE OF DRAWING  
**Profil d'Etat route A-1 (1/2)**

DATE 96/05/21 DWG. NO. PRF-TR-PRO-001  
 NIPPON KOEI CO., LTD. TOKYO JAPAN





PLATE NO.



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil d'Arroual route A-1 (2/2)**  
 DATE 9/10/21 DWG. NO. PFP-TR-PRO-302  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

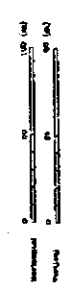
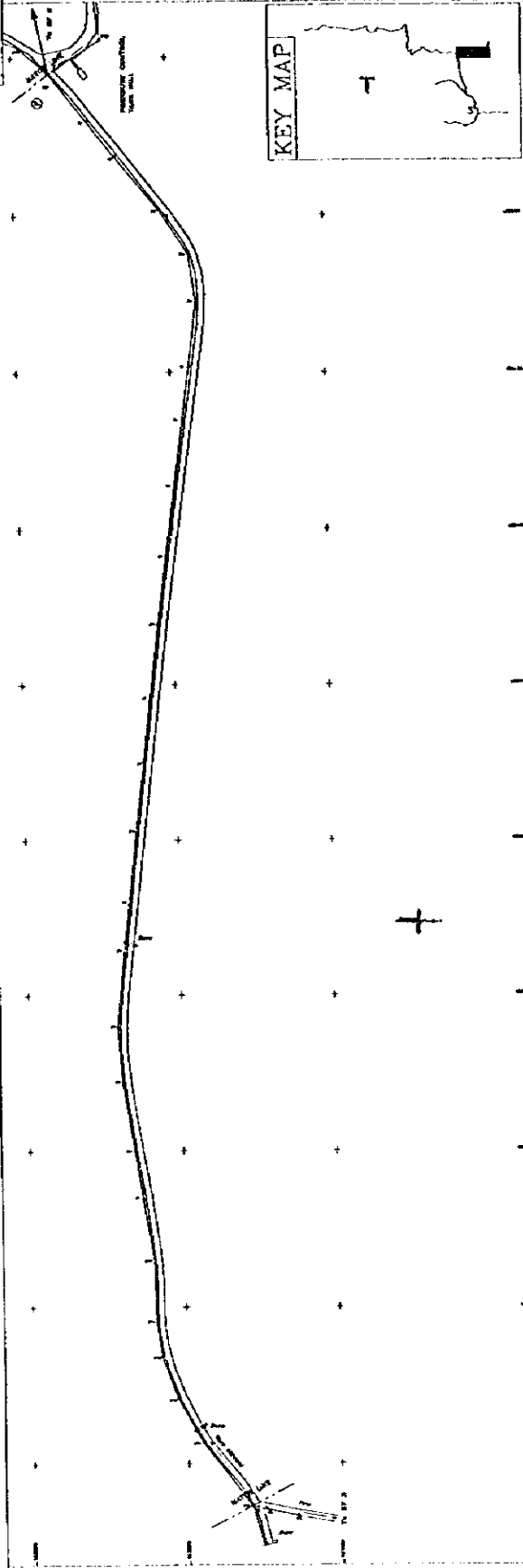


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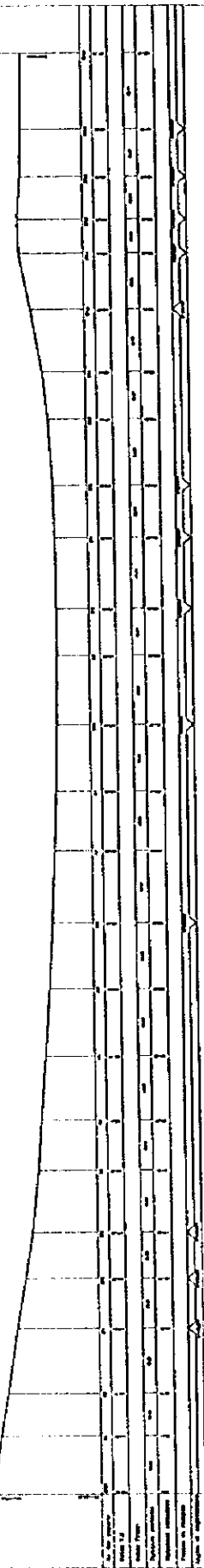
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Scale 1:500  
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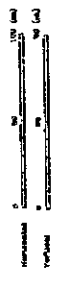
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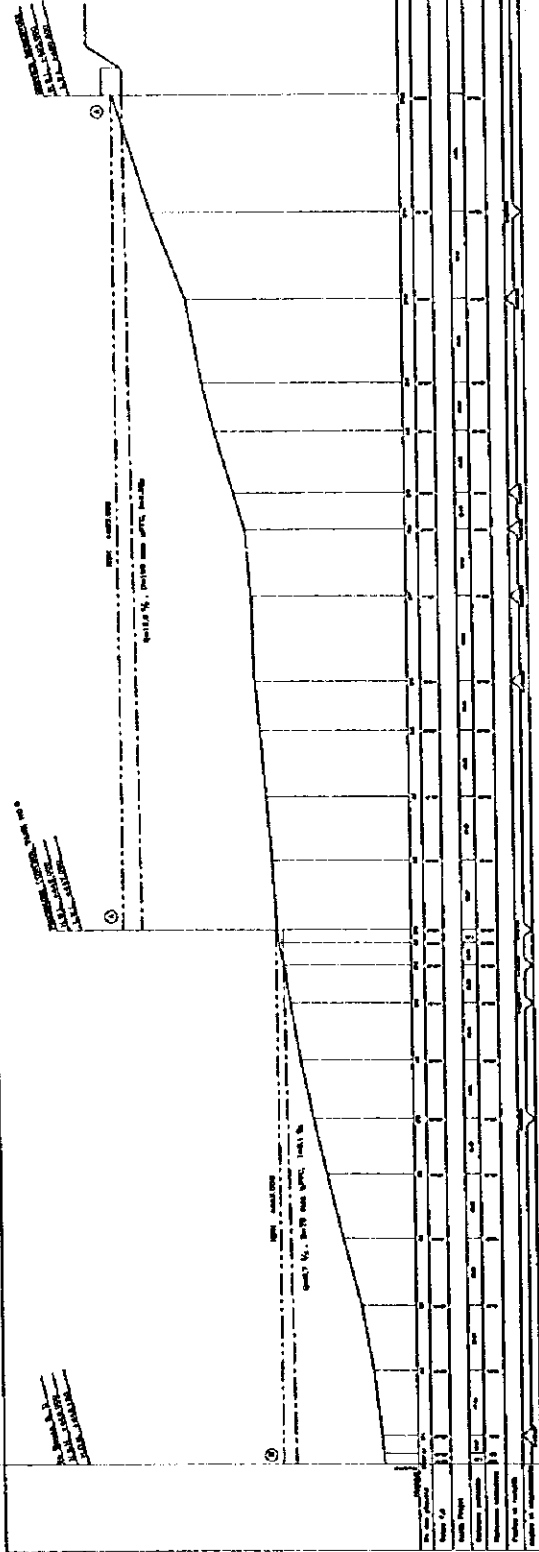
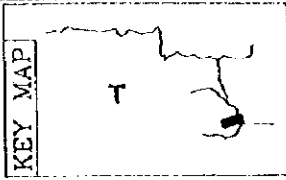
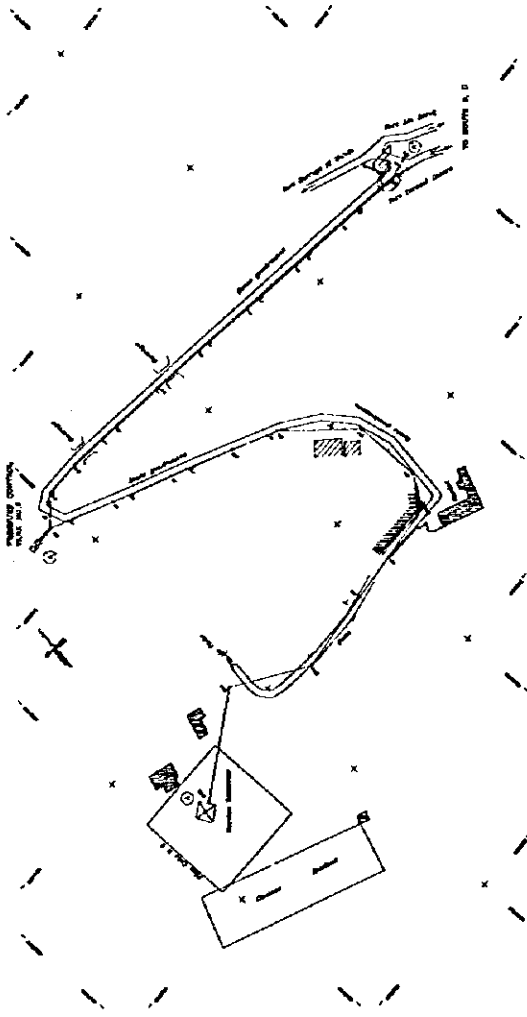
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Etat route A-2 (1/2)**

DATE 98/06/21 DWG. NO. PRP-TR-PRO-401  
 NIPPON KOGI CO., LTD. TOKYO JAPAN







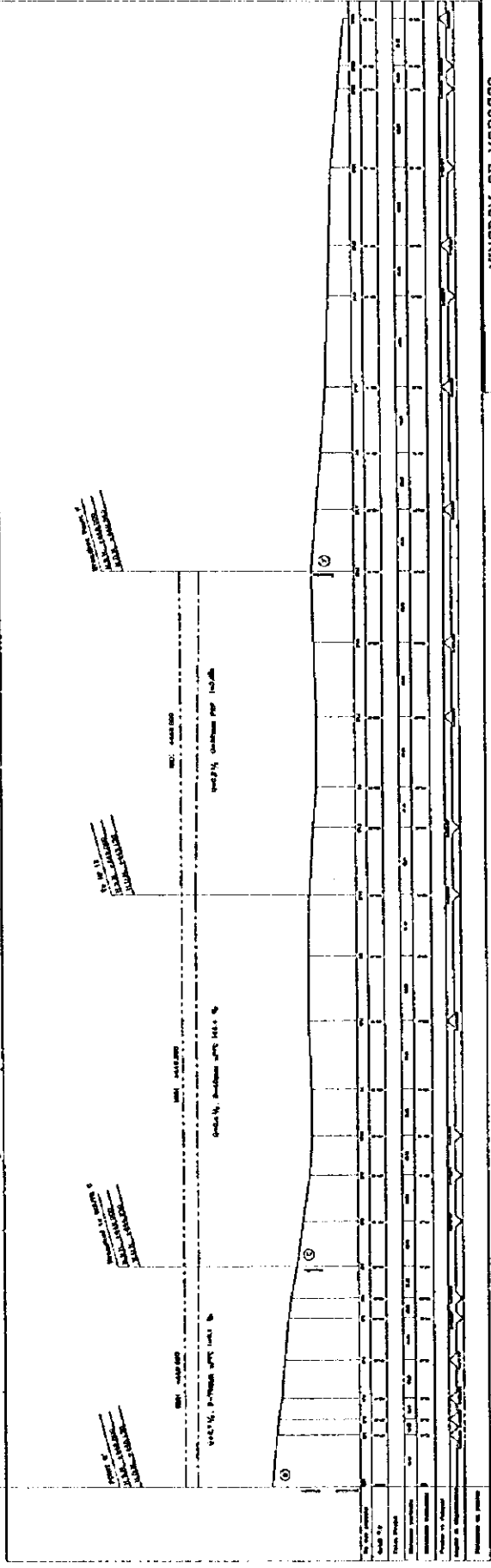
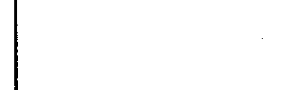
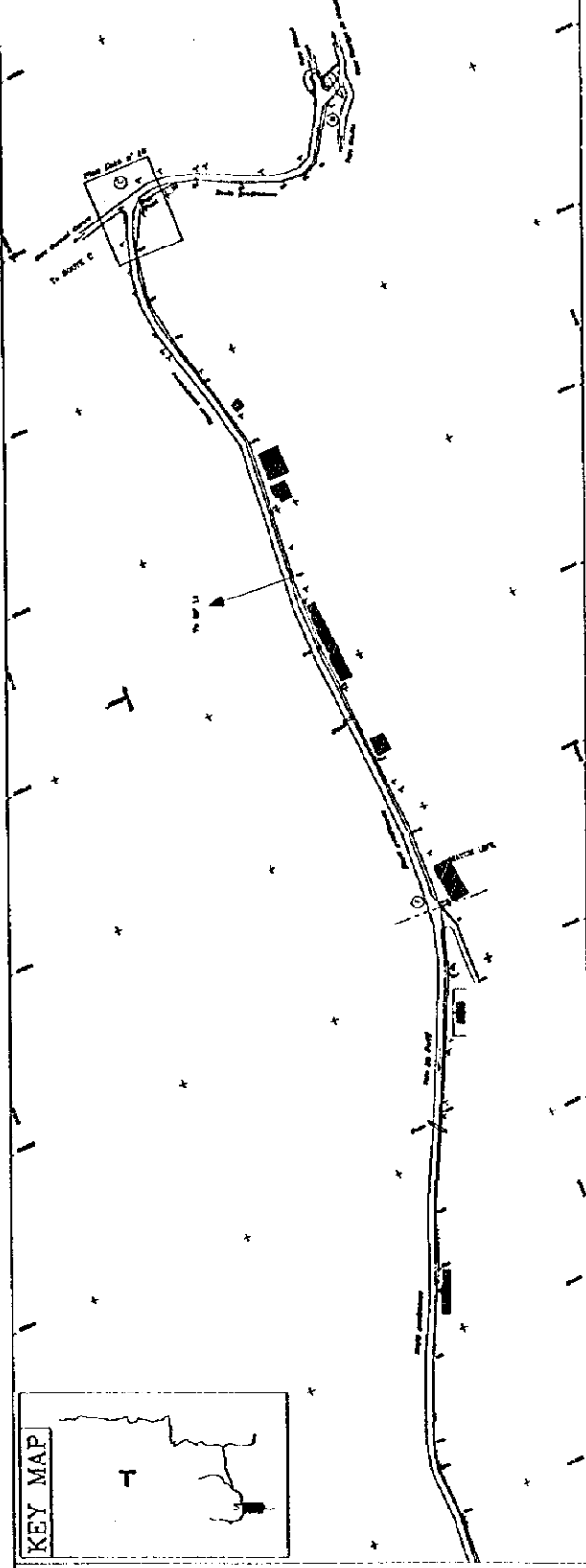
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Arroual route commune 2**

DATE 99/06/21 Dwg. NO. PRF-TR-PRO-501  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



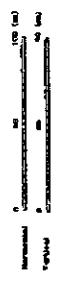
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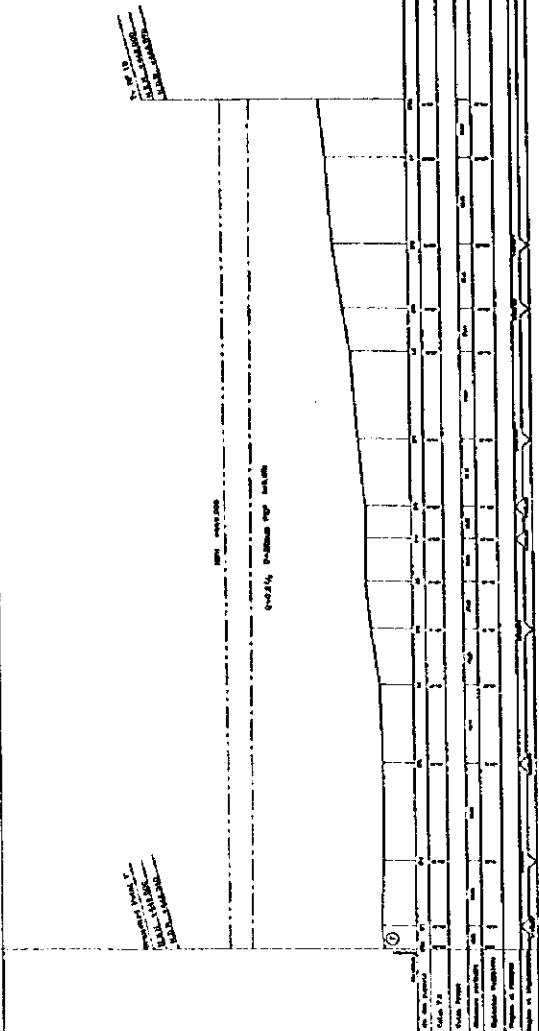
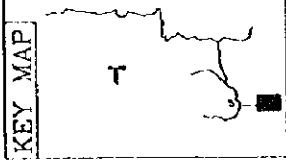
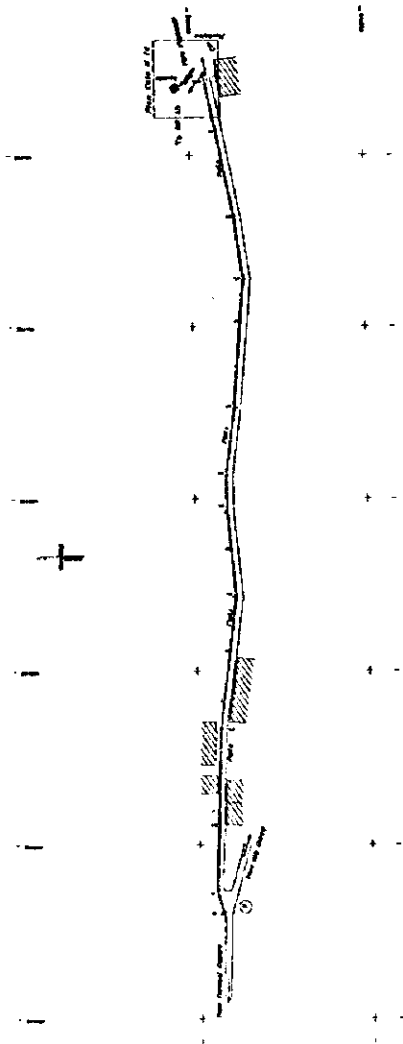


KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Arrosation B (1/2)**

DATE 09/05/21 DWG. NO. PHP-TR-PHO-001  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



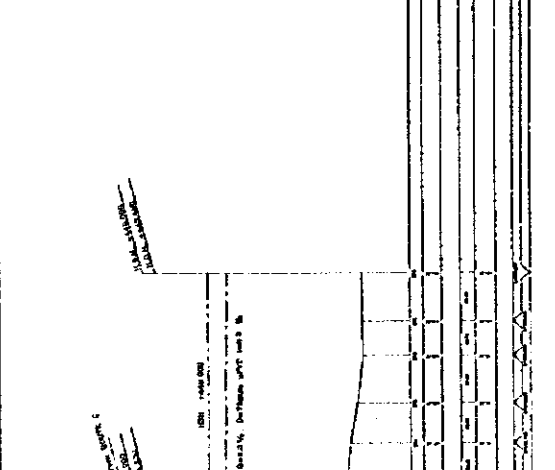
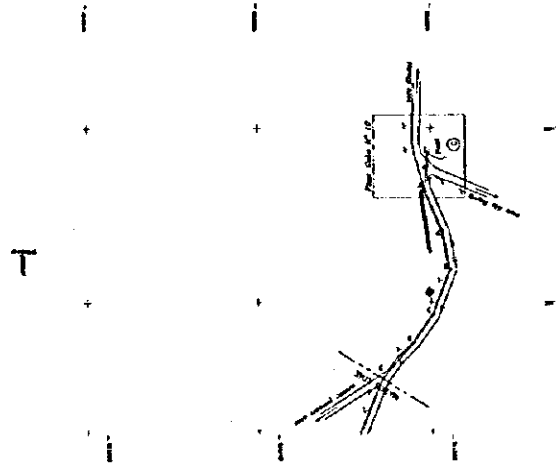


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Scale 1:50	Scale 1:20
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KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profile of Terosal route B (2/2)**  
 DATE 09/06/21 DWG. NO. PRP-TR-PRO-002  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



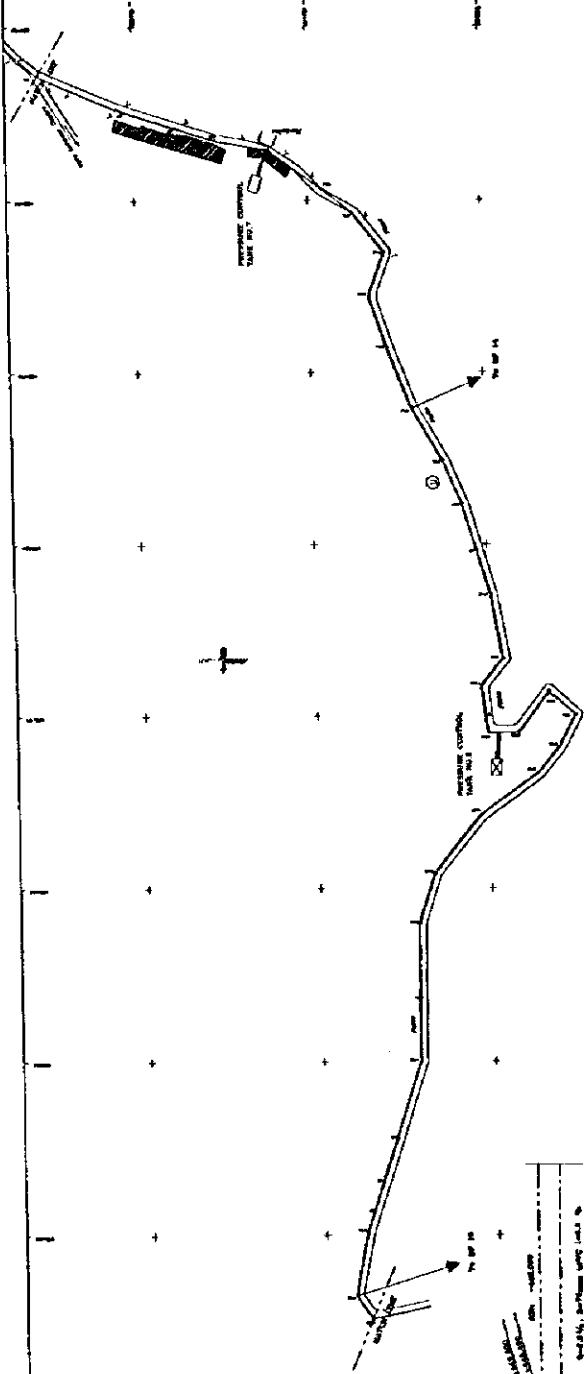
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
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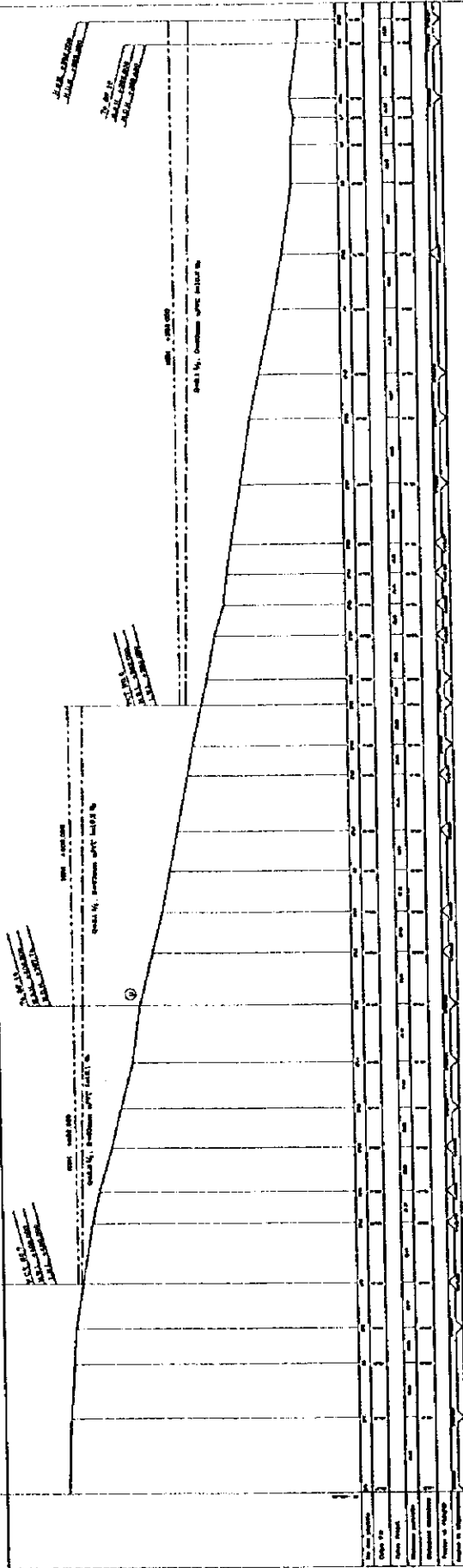
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 NIPPON KOEI CO., LTD. TOKYO JAPAN



PLATE NO.



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KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

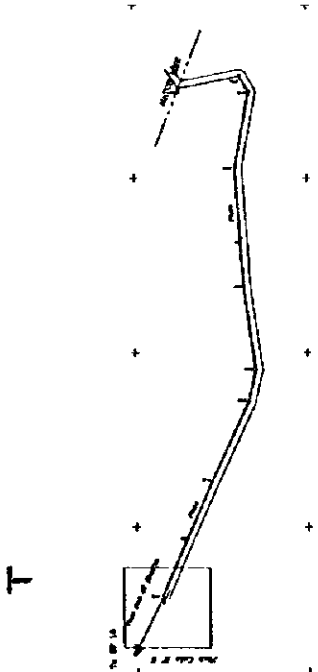
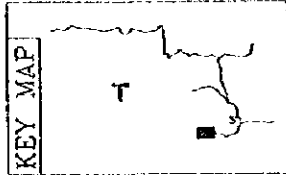
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**Profil d'Arroual route D (23)**

DATE 08/06/21 DWG. NO. PRF-TR-PRO-702  
 NIPPON KOEI CO., LTD. TOKYO JAPAN





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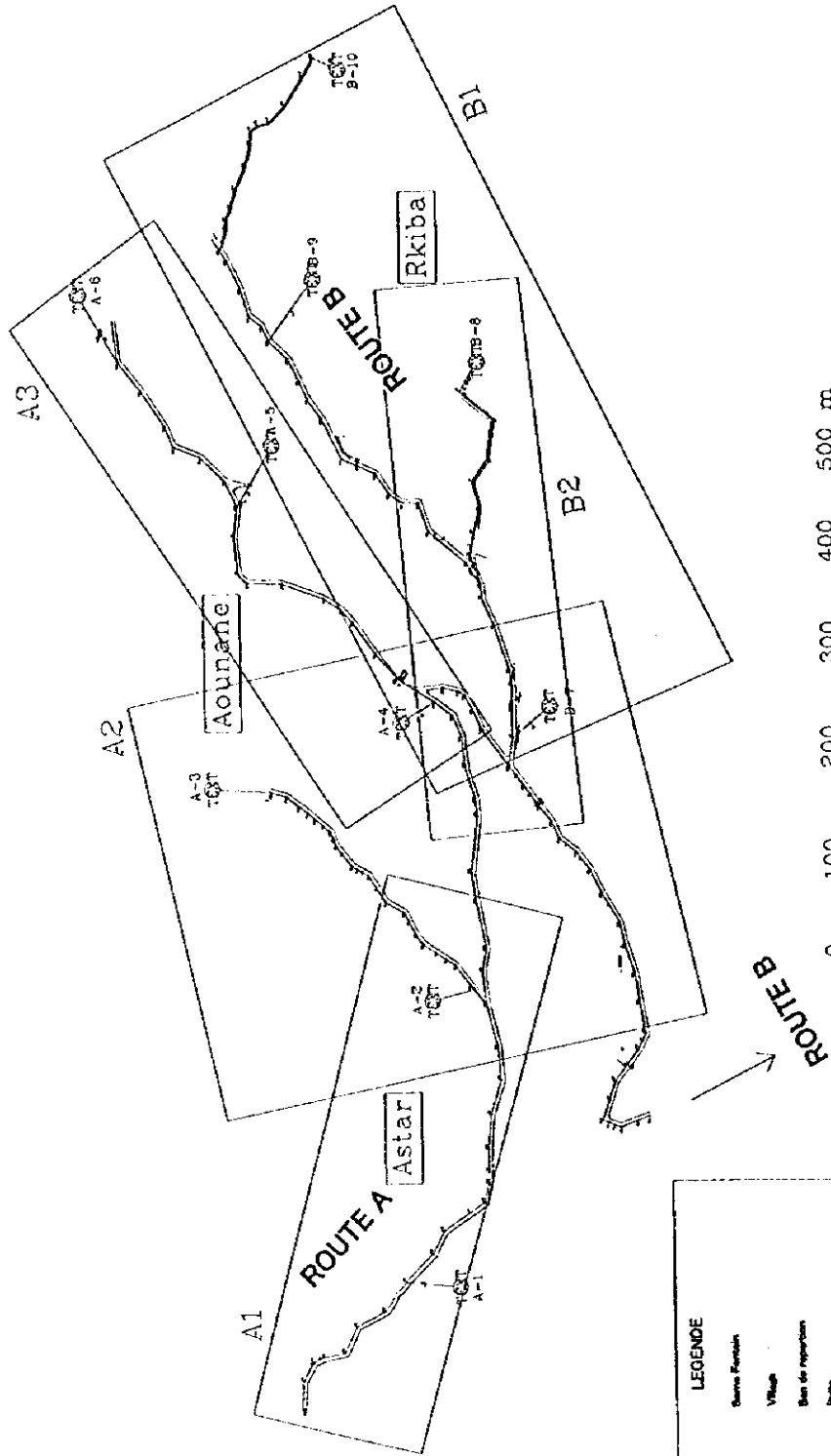
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Station	Profile	Grade	Ground	Water	Structure
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0+10					
0+20					
0+30					
0+40					
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0+60					
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KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profile of Terroual route D (3/3)**  
 DATE 98/05/21 DWG. NO. PRF-PR-PRO-700  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



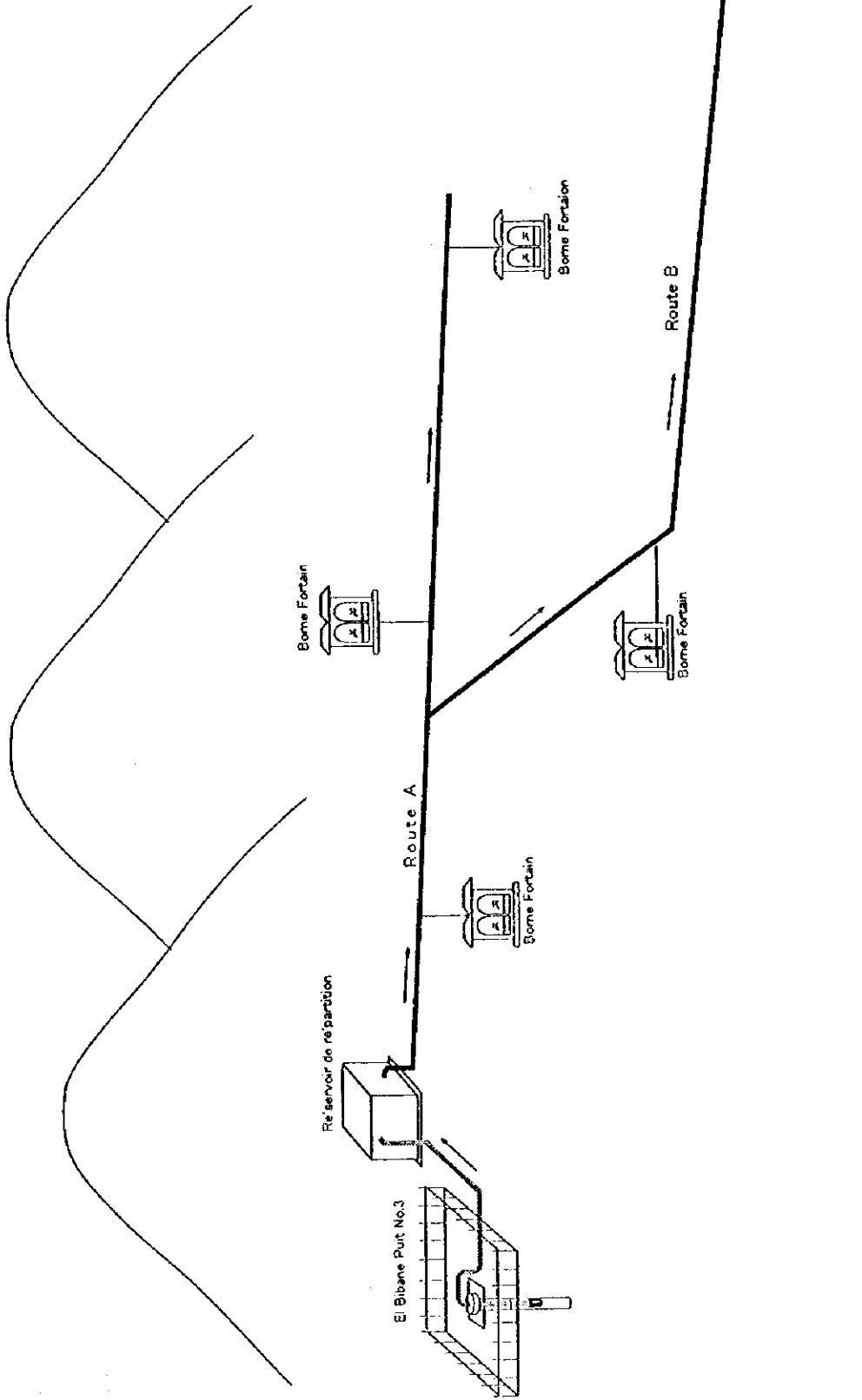
1



**LEGENDE**

- Source Fontaine
- Astar
- Village
- Bas de riparian
- △ Point

KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Plan général de la zone de El Bibane	
DATE	DWG. NO
11/10/76	PRF-EB-GEN-01
NIPPON KOEI CO., LTD. TOKYO JAPAN	



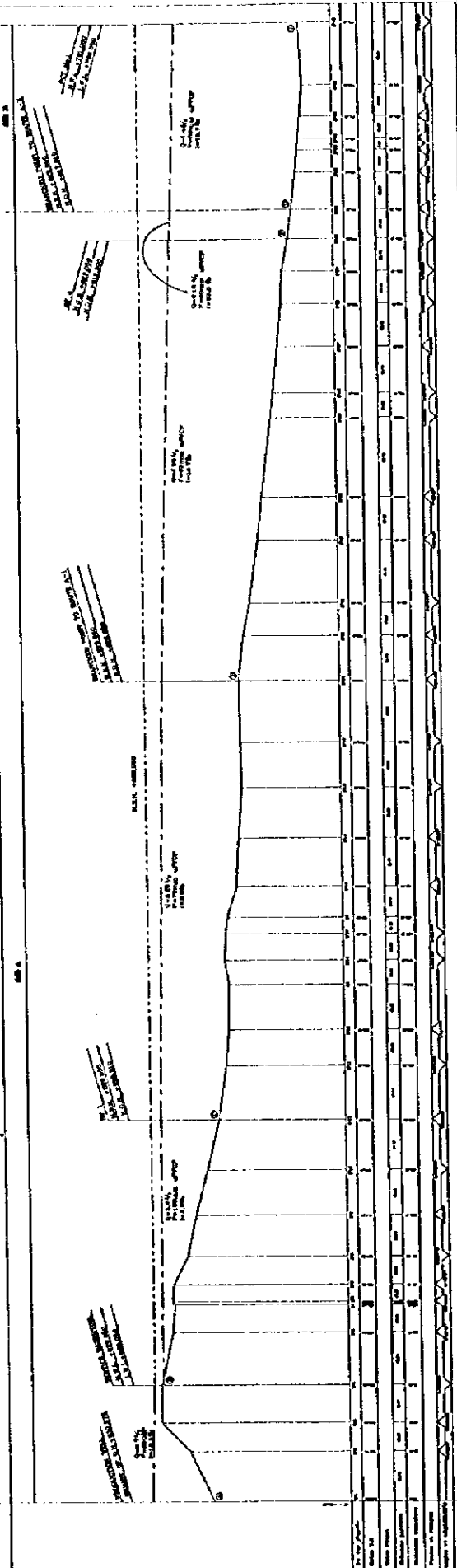
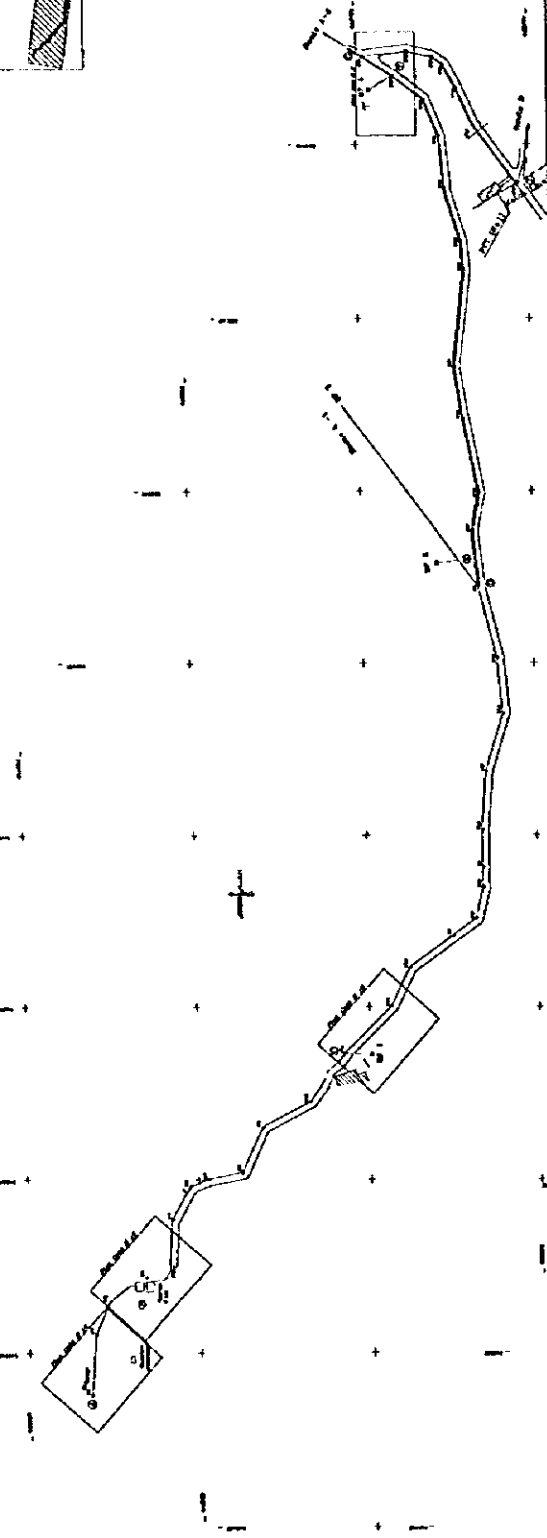
KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIP REGION  
TITLE OF DRAWING

Plan d'etablissements d'El Bibane

DATE DWG NO  
NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING

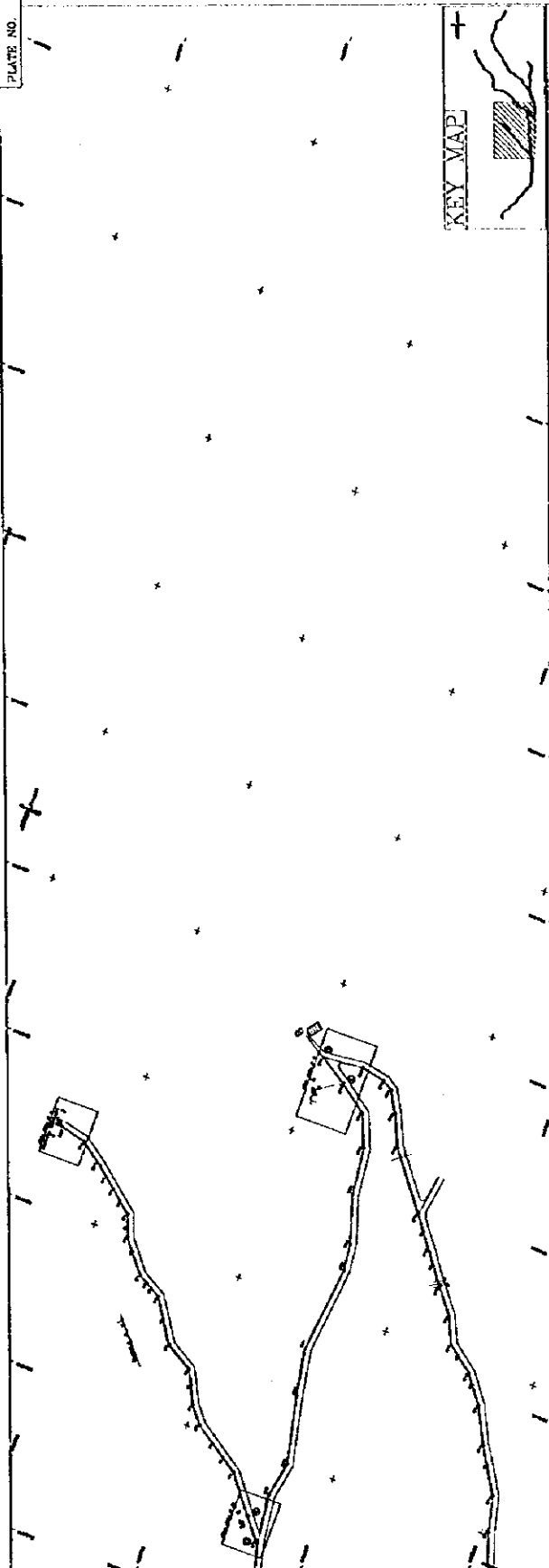
Profil d'El Bibane route A-1

DATE 26/05/15 DWG. NO. PRE-EB-PRO-001

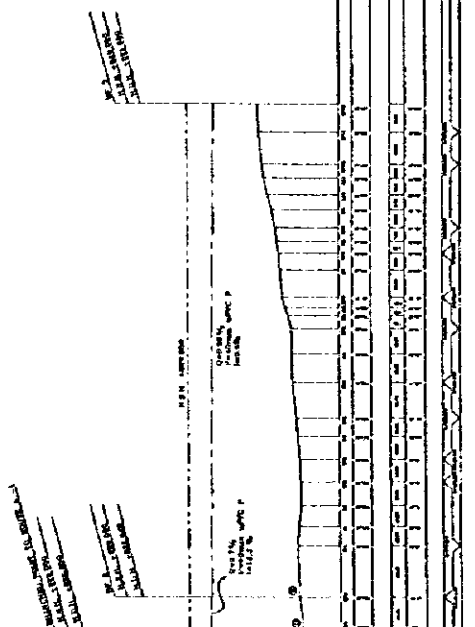
NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



ROUTE A-1



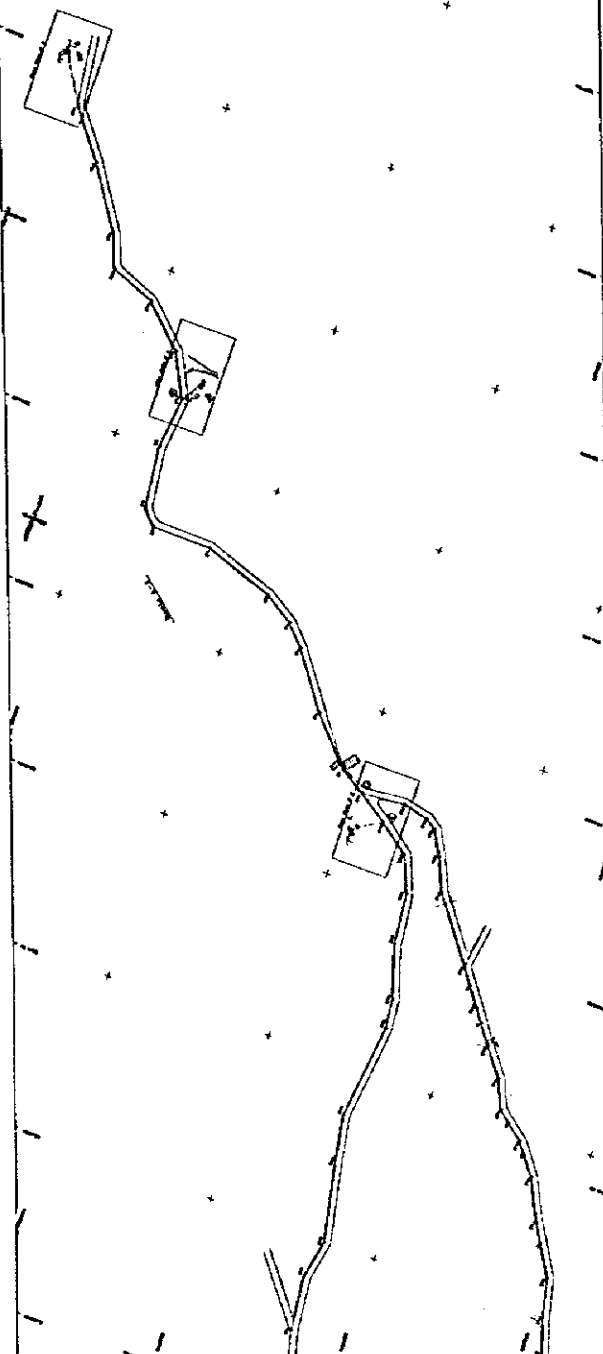
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'El Bibane route A-2**

DATE 08/05/15 DWG. NO. PRF-EP-PRO-101  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



ROUTE A-2

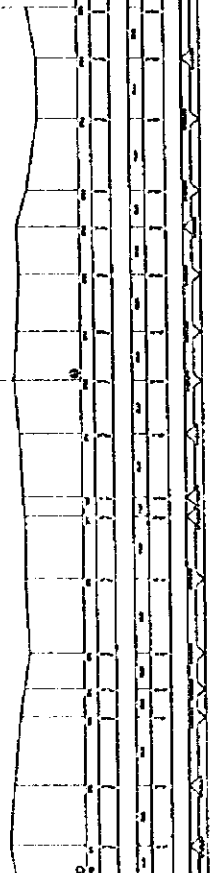
PROPOSED ROAD TO BE CONSTRUCTED  
EXISTING ROAD  
DRAINAGE CANAL

PROPOSED ROAD TO BE CONSTRUCTED  
EXISTING ROAD  
DRAINAGE CANAL

PROPOSED ROAD TO BE CONSTRUCTED  
EXISTING ROAD  
DRAINAGE CANAL

PROPOSED ROAD TO BE CONSTRUCTED  
EXISTING ROAD  
DRAINAGE CANAL

PROPOSED ROAD TO BE CONSTRUCTED  
EXISTING ROAD  
DRAINAGE CANAL



Scale 1:100
Scale 1:500
Scale 1:1000
Scale 1:2000
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Scale 1:20000
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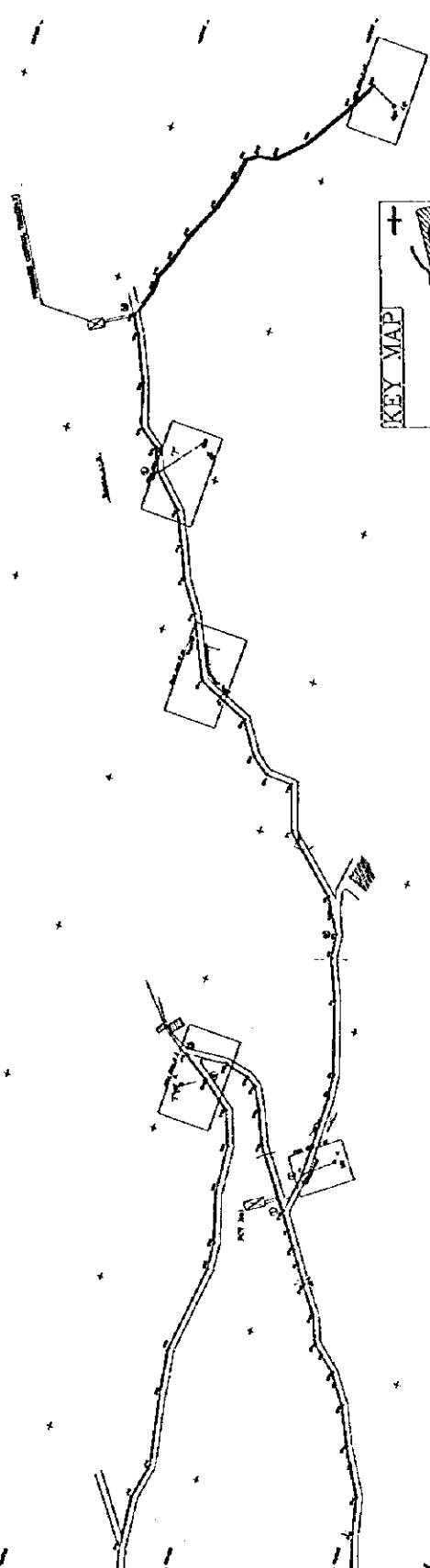


KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'El Bibane route A-3**

DATE: 08/05/75 DWG. NO. PRP-JR-PRO-201  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.



BY THE CLIENT  
 IN THE PRE-RIF REGION  
 IN THE KINGDOM OF MOROCCO

BY THE CLIENT  
 IN THE PRE-RIF REGION  
 IN THE KINGDOM OF MOROCCO

BY THE CLIENT  
 IN THE PRE-RIF REGION  
 IN THE KINGDOM OF MOROCCO

BY THE CLIENT  
 IN THE PRE-RIF REGION  
 IN THE KINGDOM OF MOROCCO

BY THE CLIENT  
 IN THE PRE-RIF REGION  
 IN THE KINGDOM OF MOROCCO

BY THE CLIENT  
 IN THE PRE-RIF REGION  
 IN THE KINGDOM OF MOROCCO

ROUTE B

ROUTE B

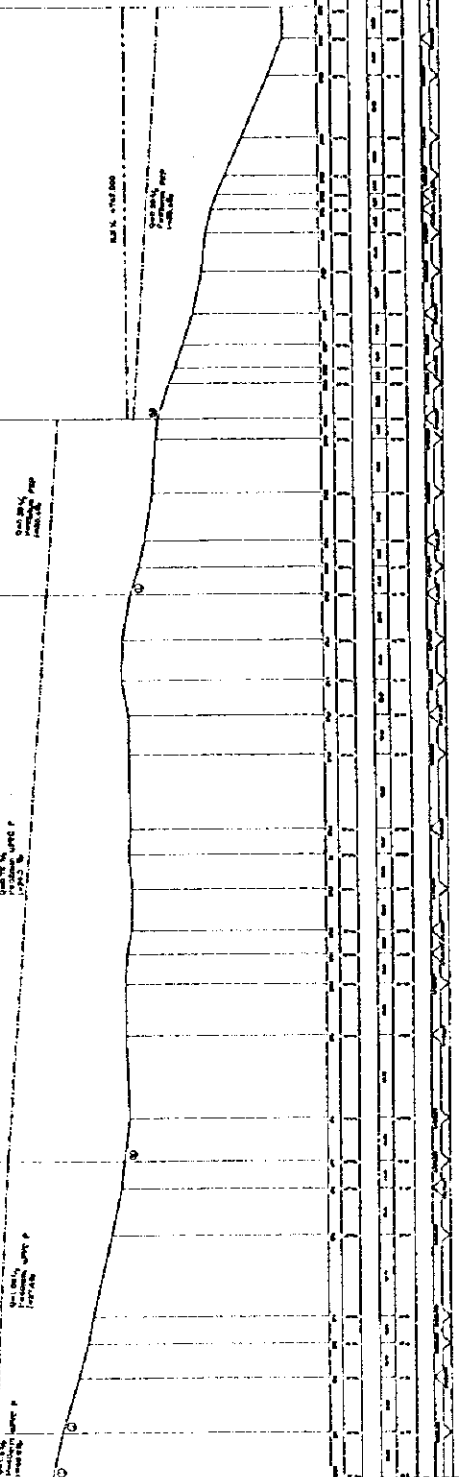
ROUTE B

ROUTE B

ROUTE B

ROUTE B

ROUTE B



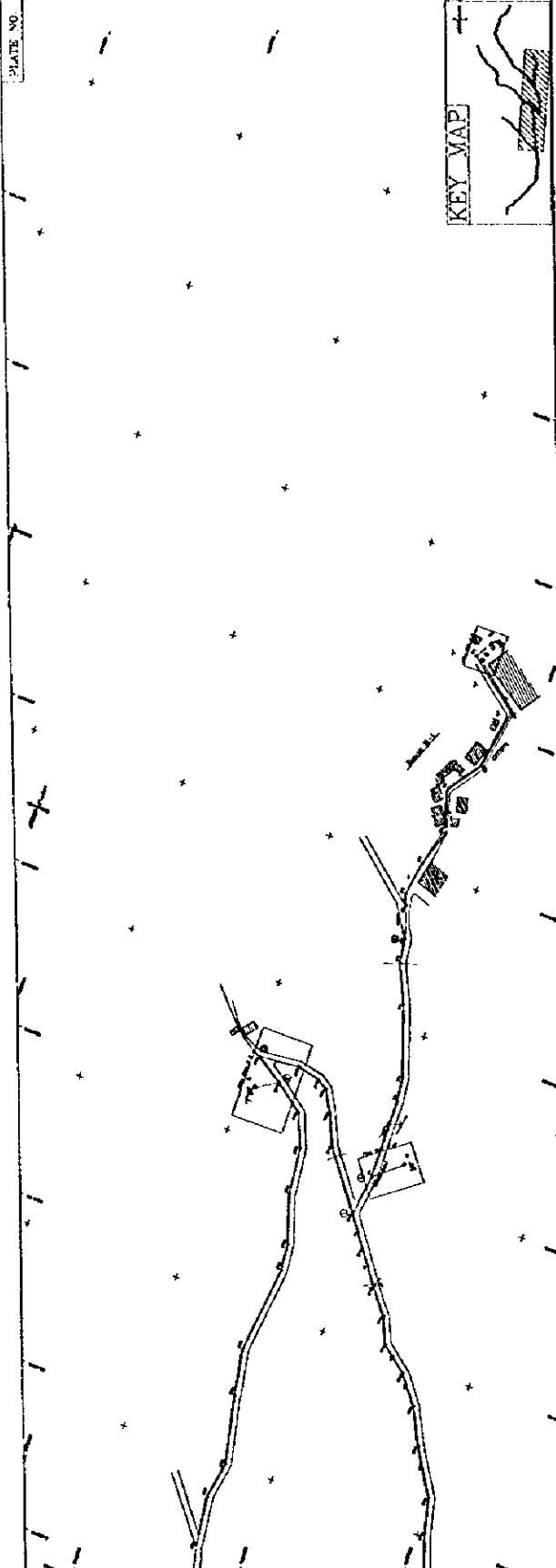
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'EI Bibane route B-1**

DATE 04/05/15 DWG. NO. PRP-FB-PRO-201  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

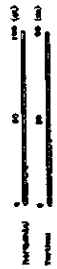
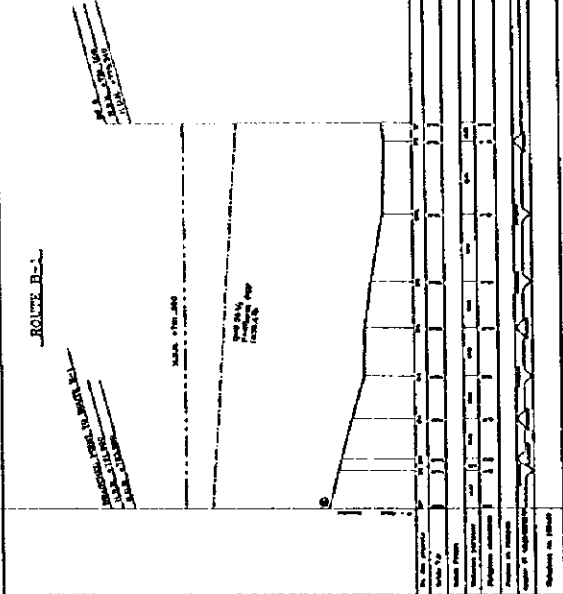


PLATE NO.



KEY MAP

ROUTE B-1



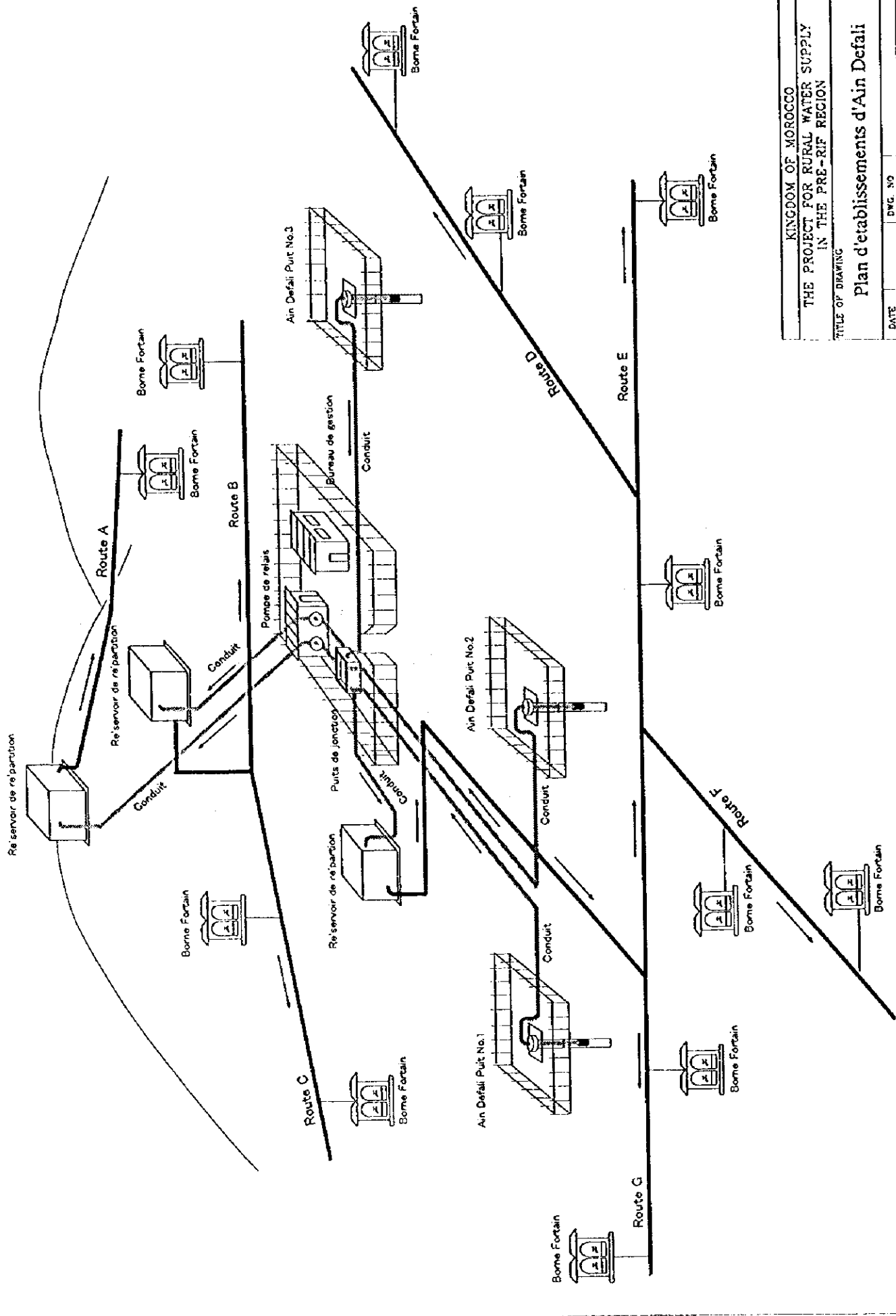
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'El Bibane route B-2**

DATE: 98/05/15 | DWG. NO: PRP-2B-PRO-401  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

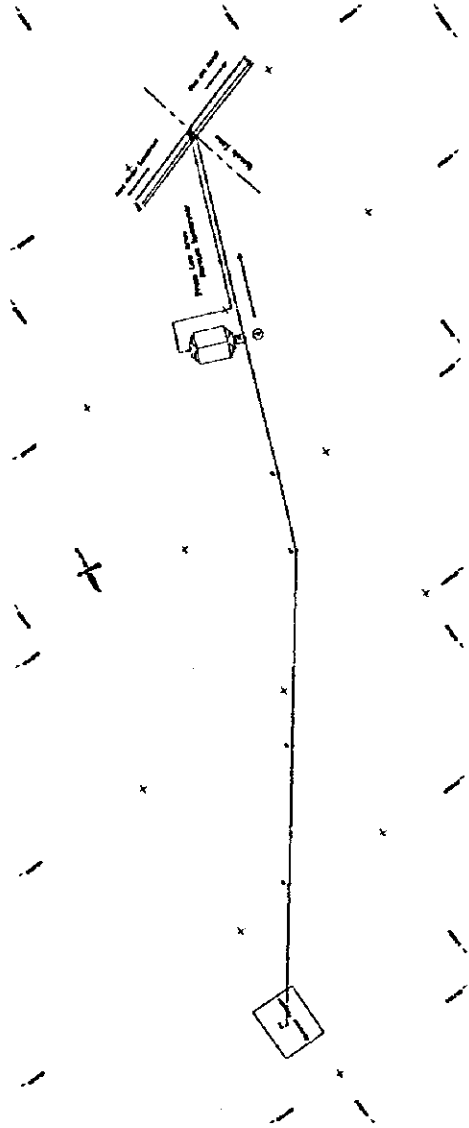




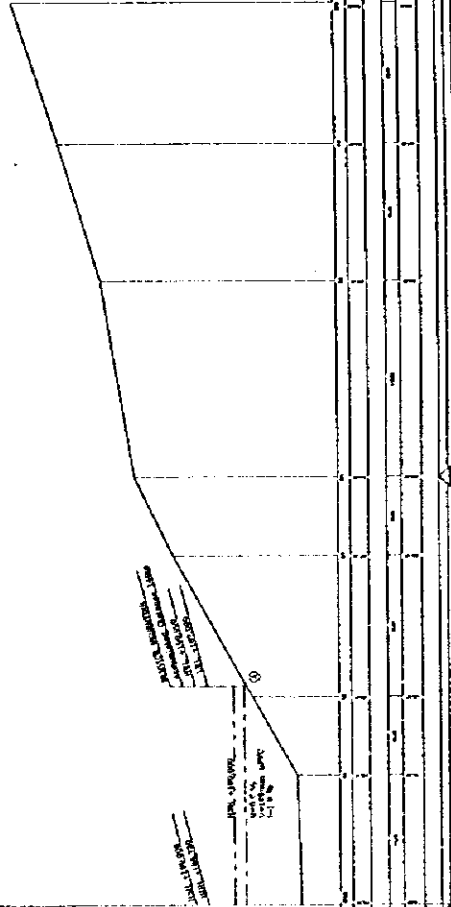
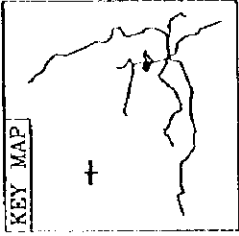


KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Plan d'établissements d'Ain Defali	
DATE	DWG. NO.
NIPPON KOEI CO., LTD. TOKYO JAPAN	

PLATE NO.



KEY MAP



PROFIL VERTICALE  
 1:1000  
 1:1000  
 1:1000

PROFIL VERTICALE  
 1:1000  
 1:1000  
 1:1000



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

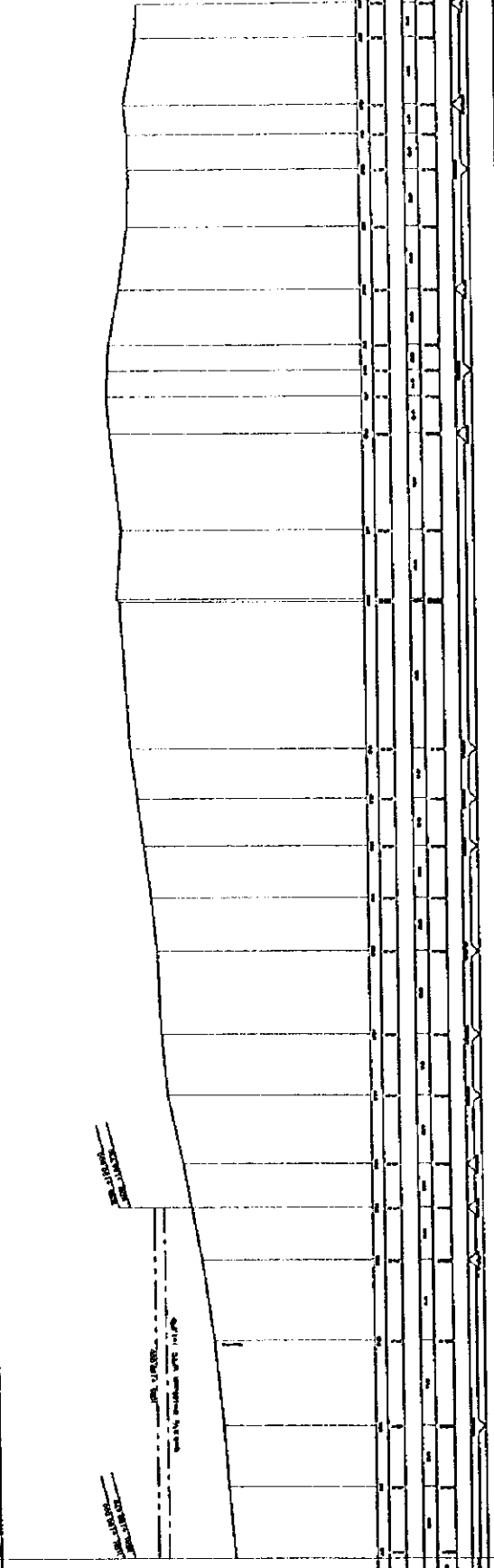
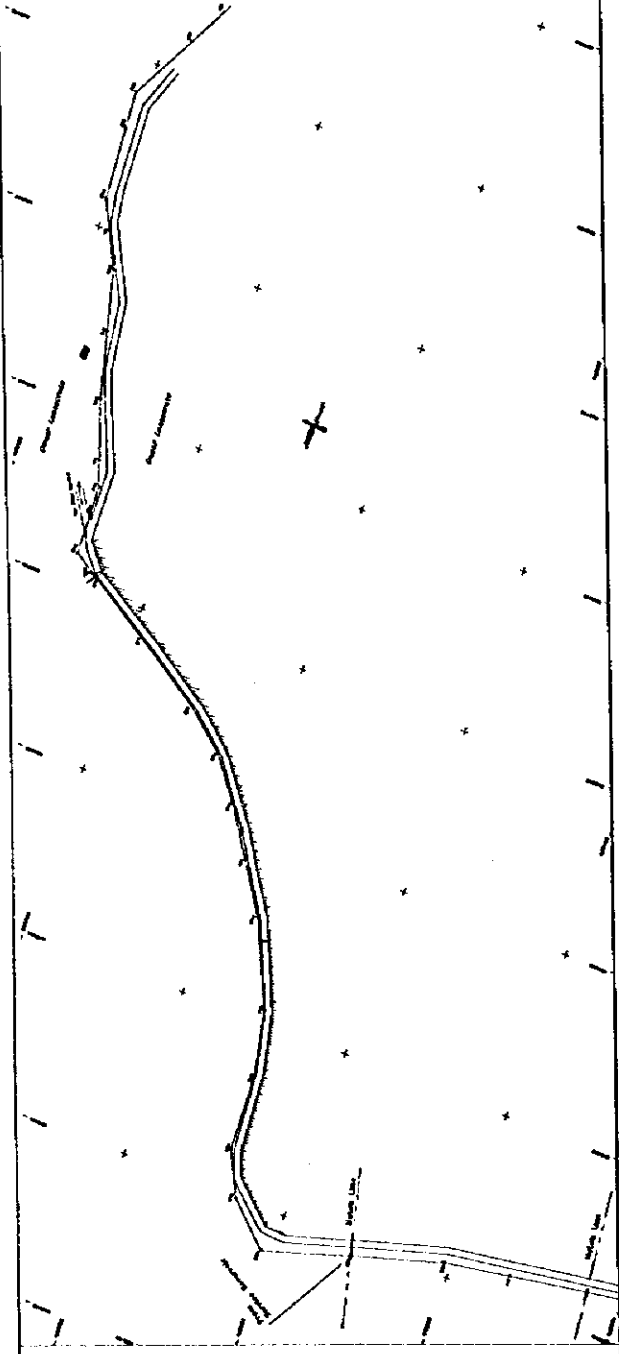
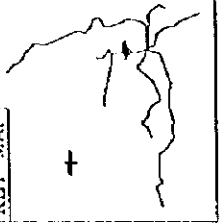
TITLE OF DRAWING

Profil d'Ain Defali route C-1 (J/4)

DATE 05/03/19 DRC NO. PREP-AD-PRO-101  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



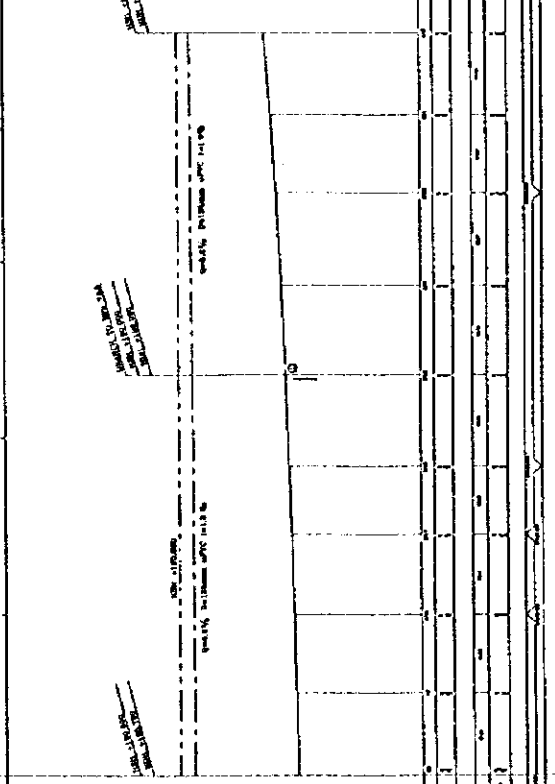
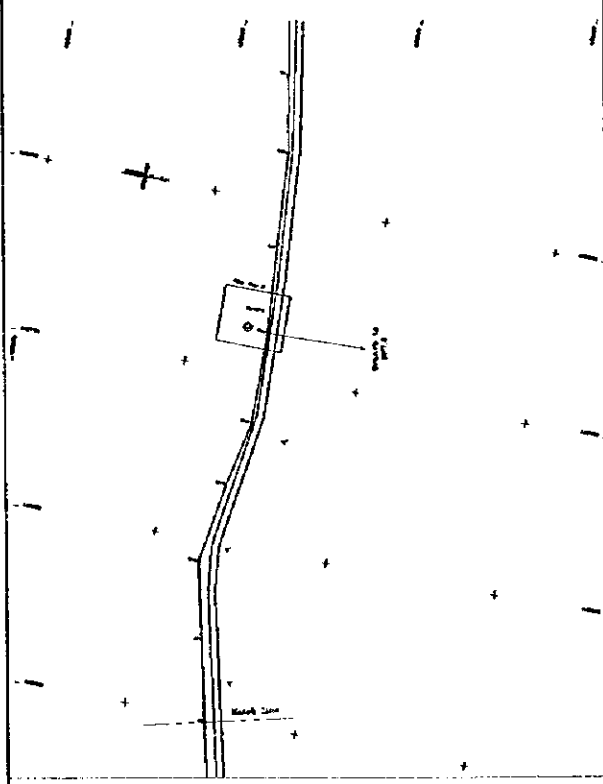
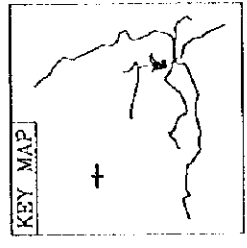
KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Alignement route C-1 (2/4)**

DATE '99/06/19 DWG. NO. PRP-AD-PRG-102  
NIPPON KOEI CO., LTD. TOKYO JAPAN



PLATE NO.



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Am Defali route C-1 (3/4)**

DATE : 98/06/19 | DWG. NO. | PRF-AD-PRO-103  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

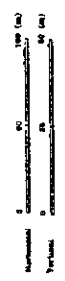
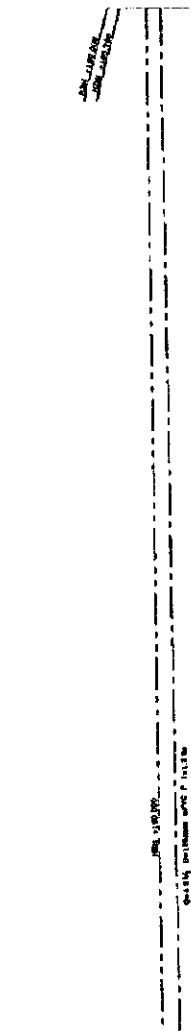
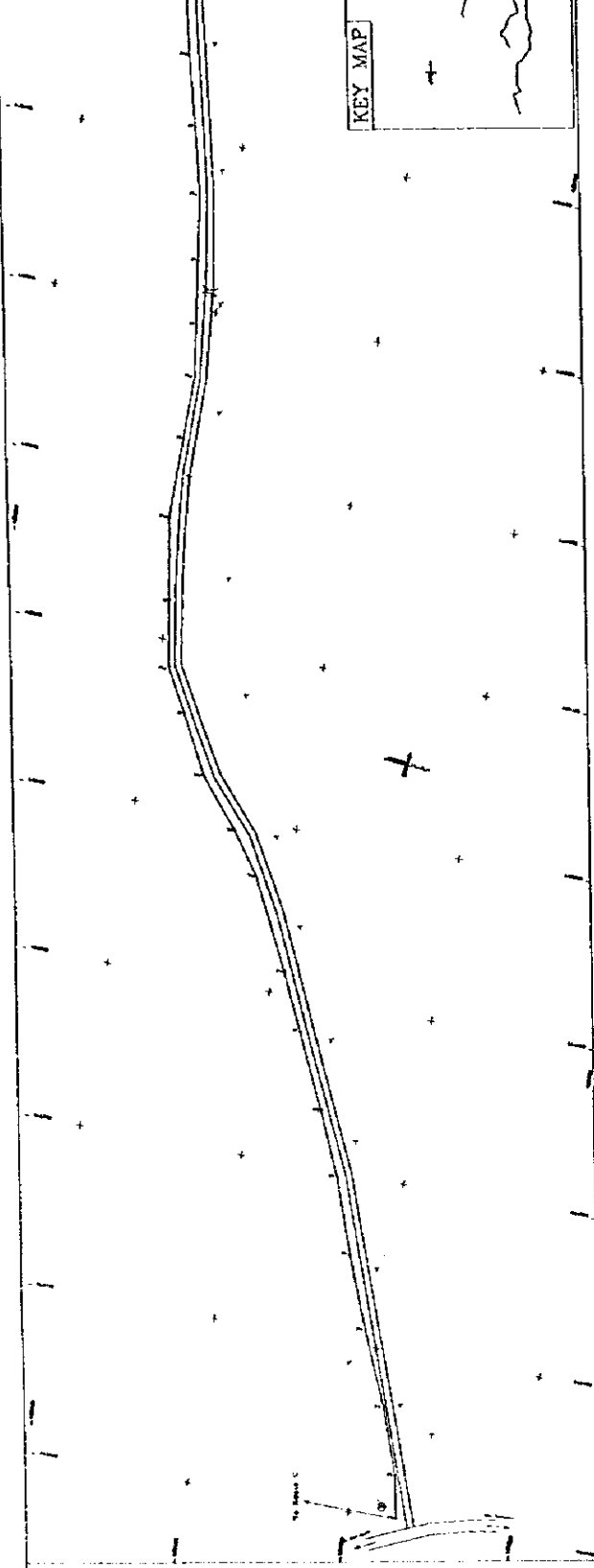


PLATE NO.

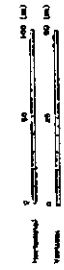


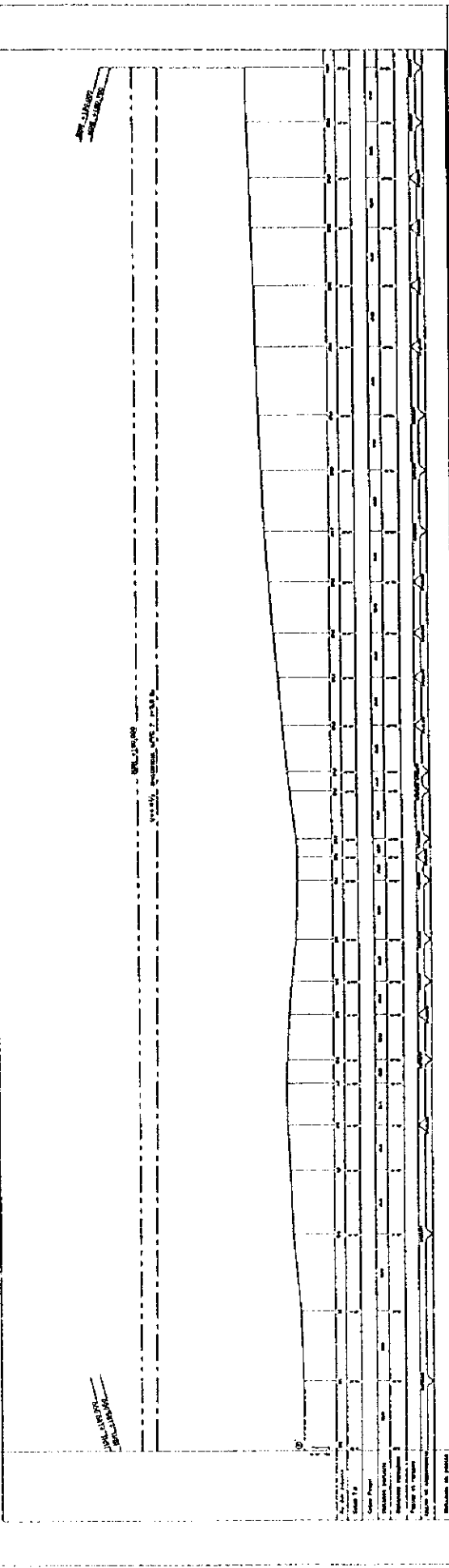
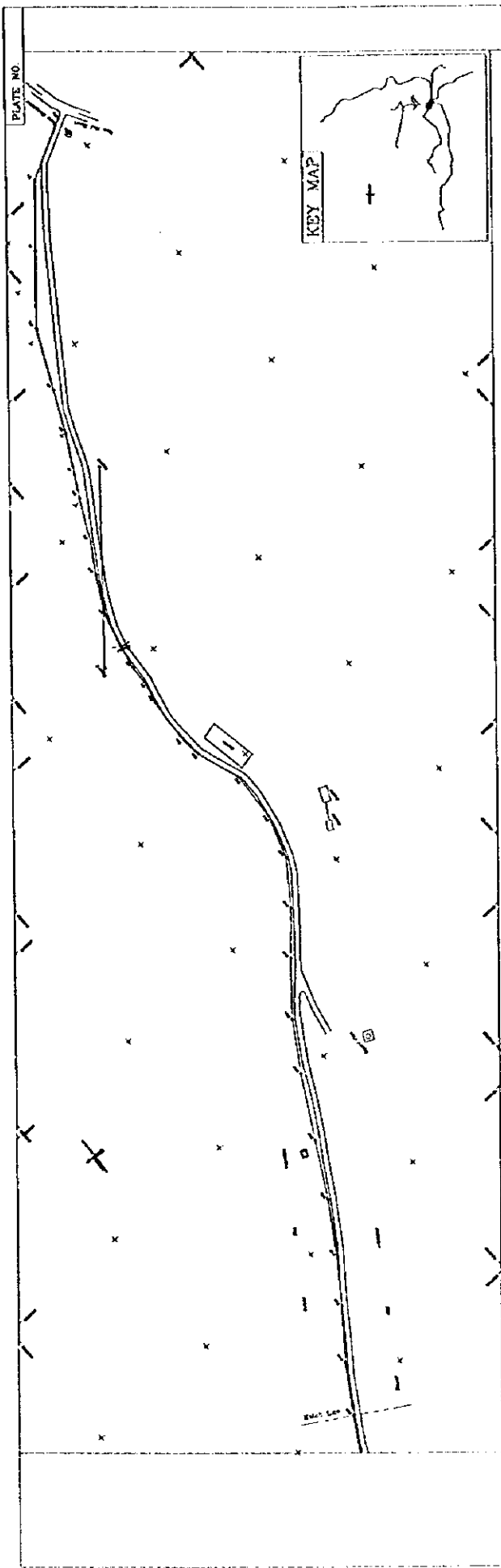
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0+30	10.00	10.00	1.00	0.50	
0+40	10.00	10.00	1.00	0.50	
0+50	10.00	10.00	1.00	0.50	
0+60	10.00	10.00	1.00	0.50	
0+70	10.00	10.00	1.00	0.50	
0+80	10.00	10.00	1.00	0.50	
0+90	10.00	10.00	1.00	0.50	
1+00	10.00	10.00	1.00	0.50	
1+10	10.00	10.00	1.00	0.50	
1+20	10.00	10.00	1.00	0.50	
1+30	10.00	10.00	1.00	0.50	
1+40	10.00	10.00	1.00	0.50	
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1+60	10.00	10.00	1.00	0.50	
1+70	10.00	10.00	1.00	0.50	
1+80	10.00	10.00	1.00	0.50	
1+90	10.00	10.00	1.00	0.50	
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2+80	10.00	10.00	1.00	0.50	
2+90	10.00	10.00	1.00	0.50	
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7+60	10.00	10.00	1.00	0.50	
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9+70	10.00	10.00	1.00	0.50	
9+80	10.00	10.00	1.00	0.50	
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KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

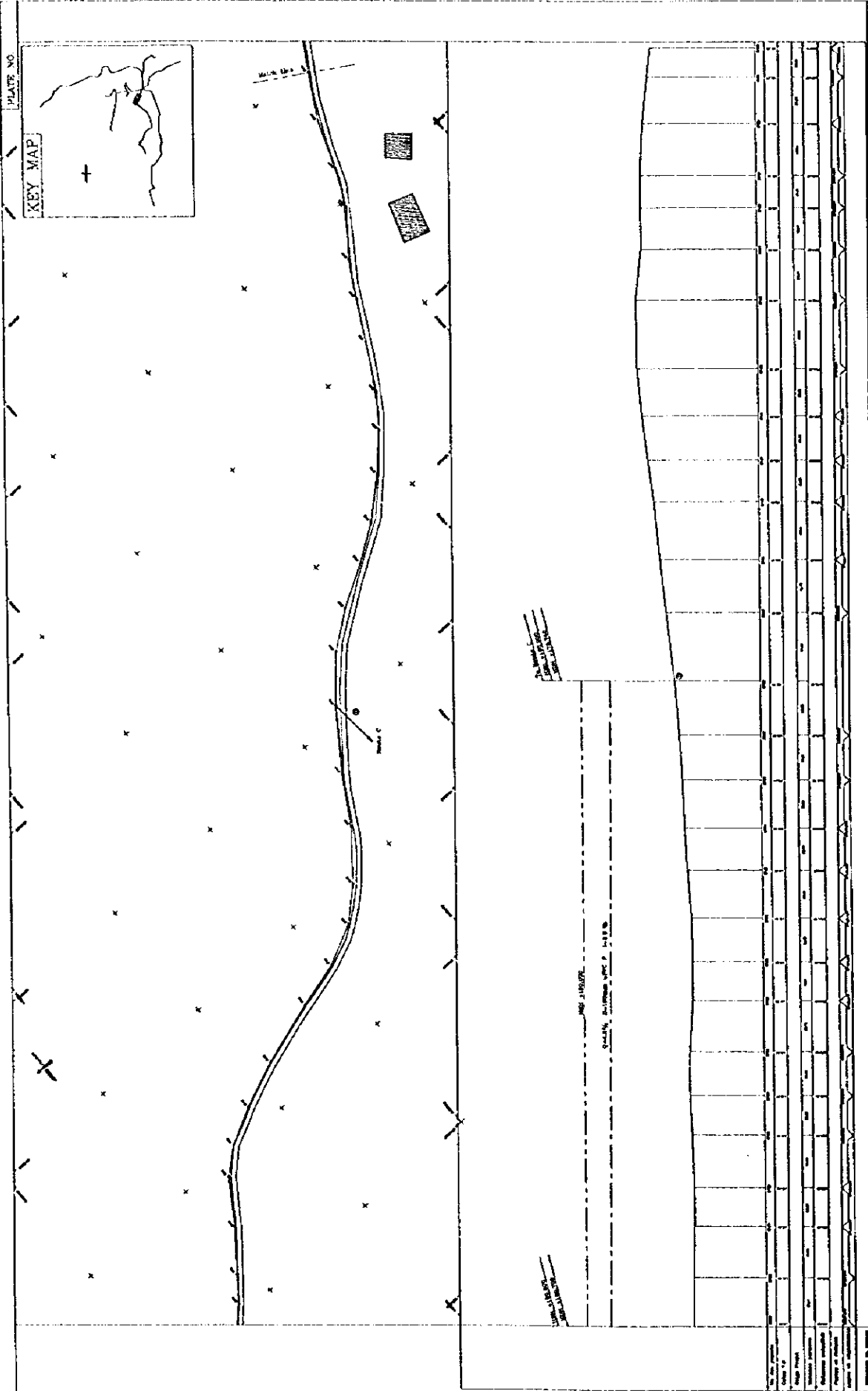
TITLE OF DRAWING  
**Profil d'Am Defnisi route C-1 (4/4)**

DATE 98/05/19 DWG. NO PRF-AD-PRO-104  
 NIPPON KOEI CO., LTD. TOKYO JAPAN





KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY	
IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Profile of Ain Defsali route C (1/8)	
DATE	'96/05/19
DWG NO	PRF-AD-PRO-201
NIPPON KOEI CO., LTD. TOKYO JAPAN	



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Debbali route C (2/8)**

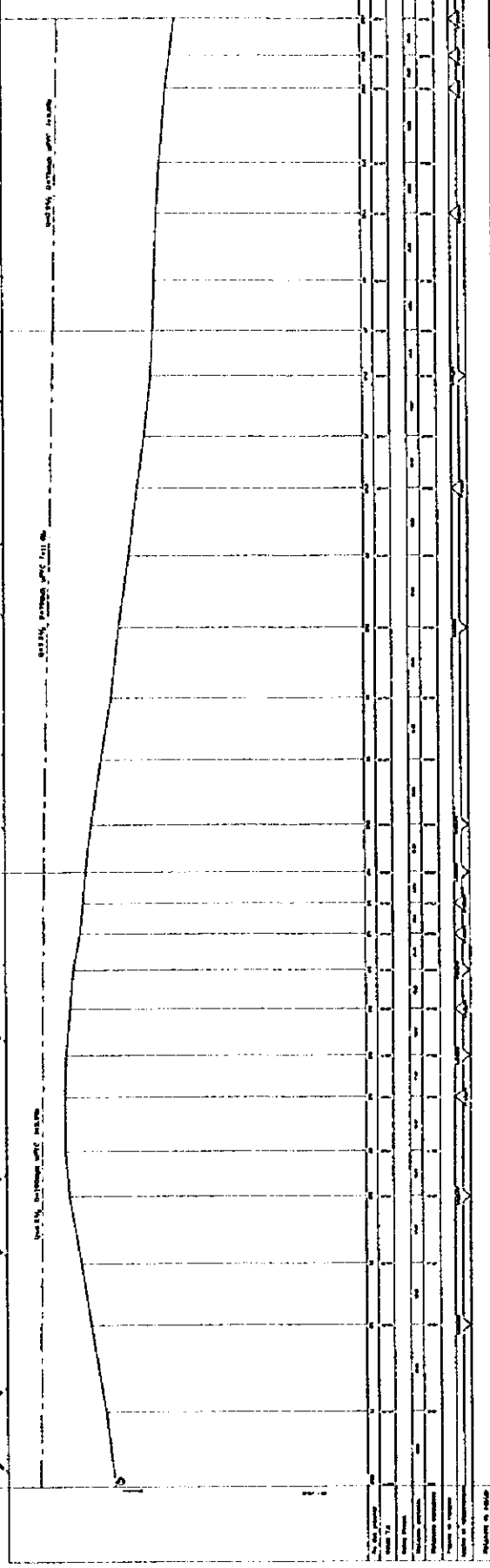
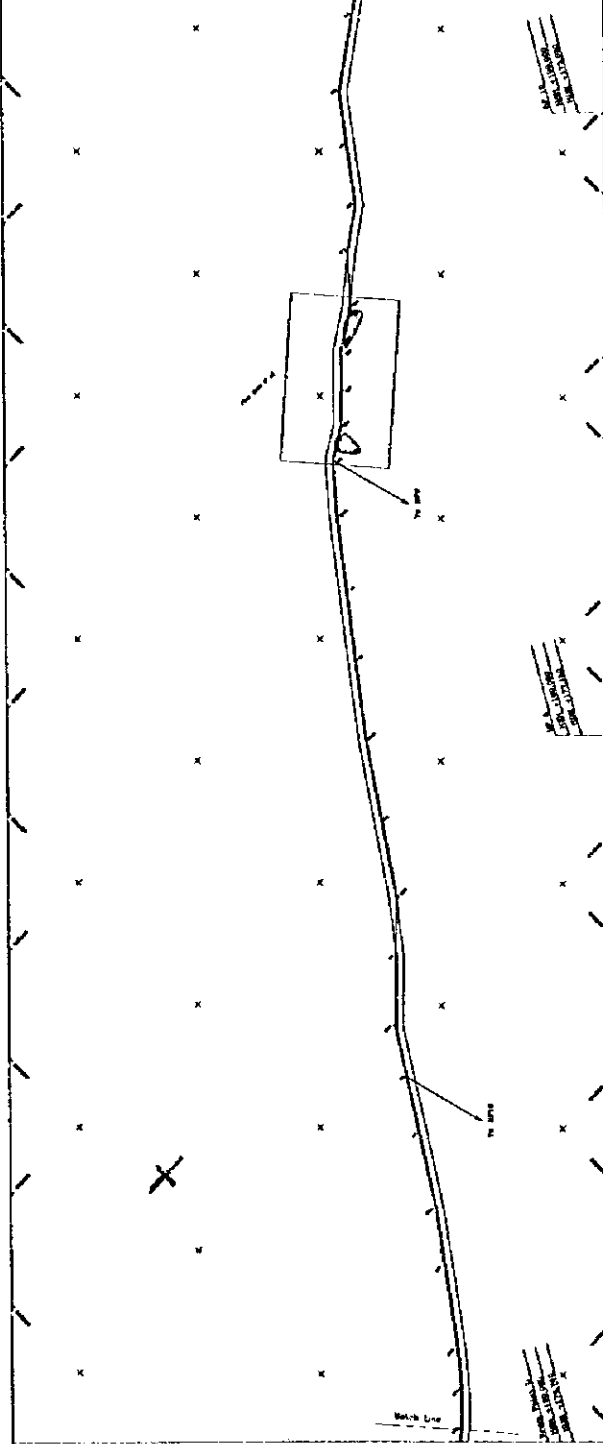
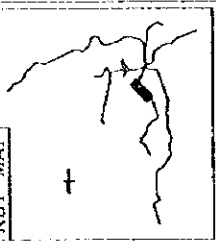
DATE: '86/05/19 DWG. NO. PEP-AD-PRO-202  
 NIPPON KOEI CO., LTD. TOKYO JAPAN





PLATE NO.

KEY MAP



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

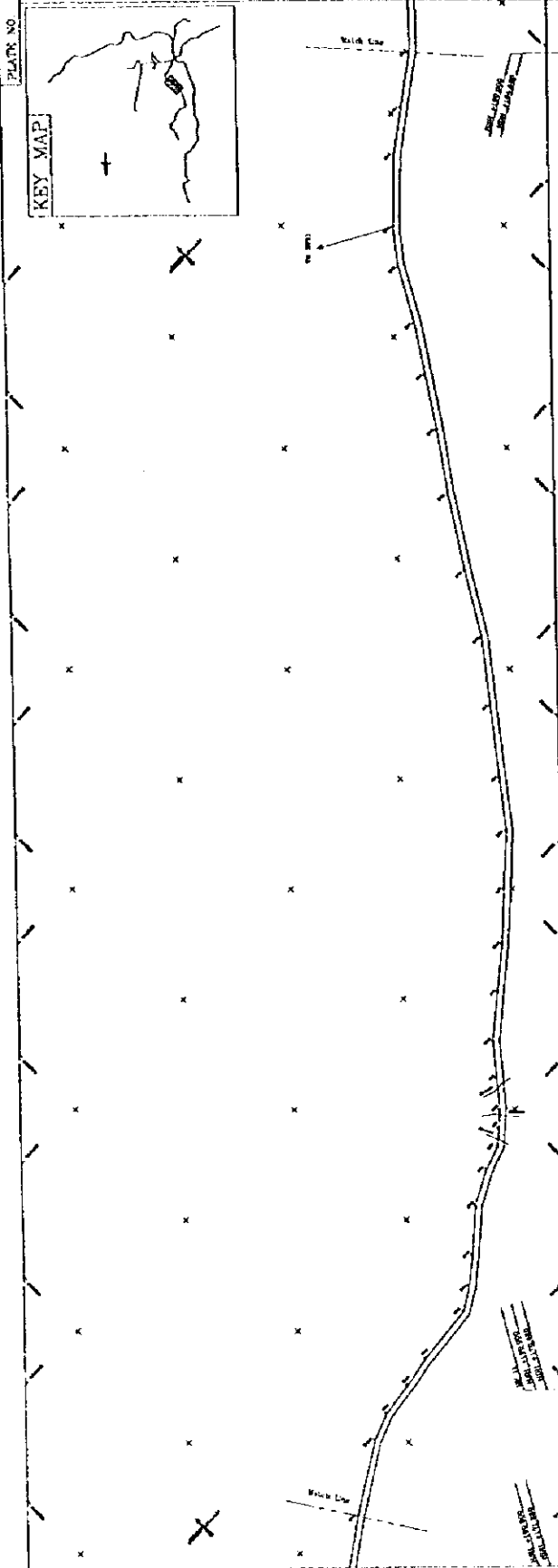
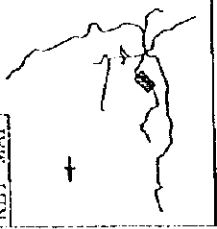
TITLE OF DRAWING  
**Profil d'An in Defali route C (3/8)**

DATE 98/05/19 D.W.C. NO. PRY-AD-PRO-203  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



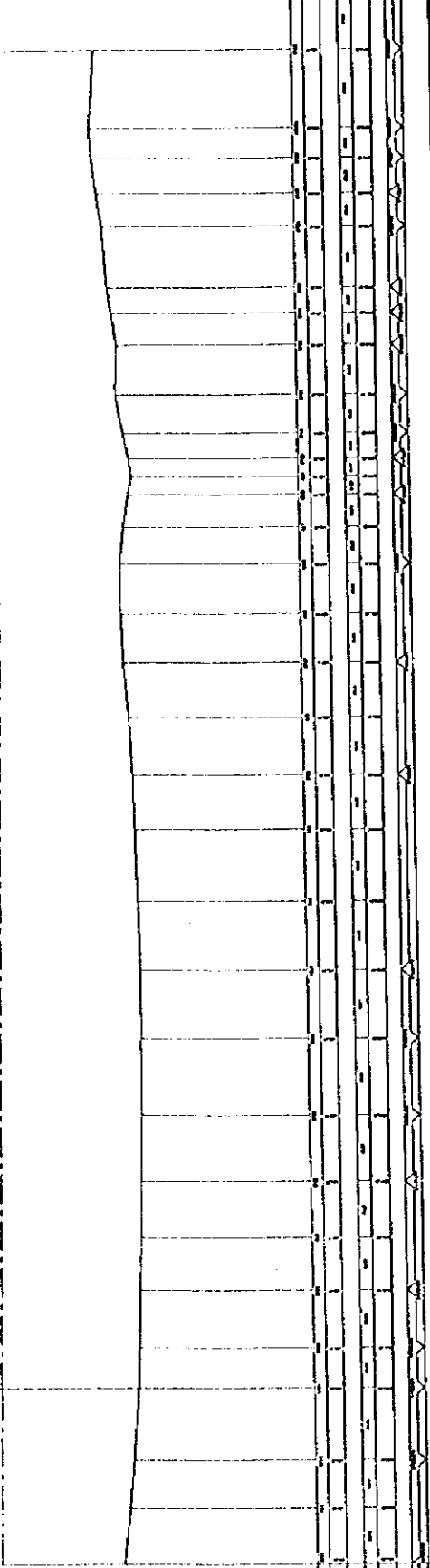
PLATE NO.

KEY MAP



Scale: 1:1000

Scale: 1:1000



KINGDOM OF MOROCCO

THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

TITLE OF DRAWING

Profil d'Ain Defail route C (4/8)

DATE '95/05/19 DTC NO. PRF-AD-PRO-204

NIPPON KOEI CO., LTD. TOKYO JAPAN

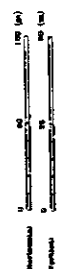
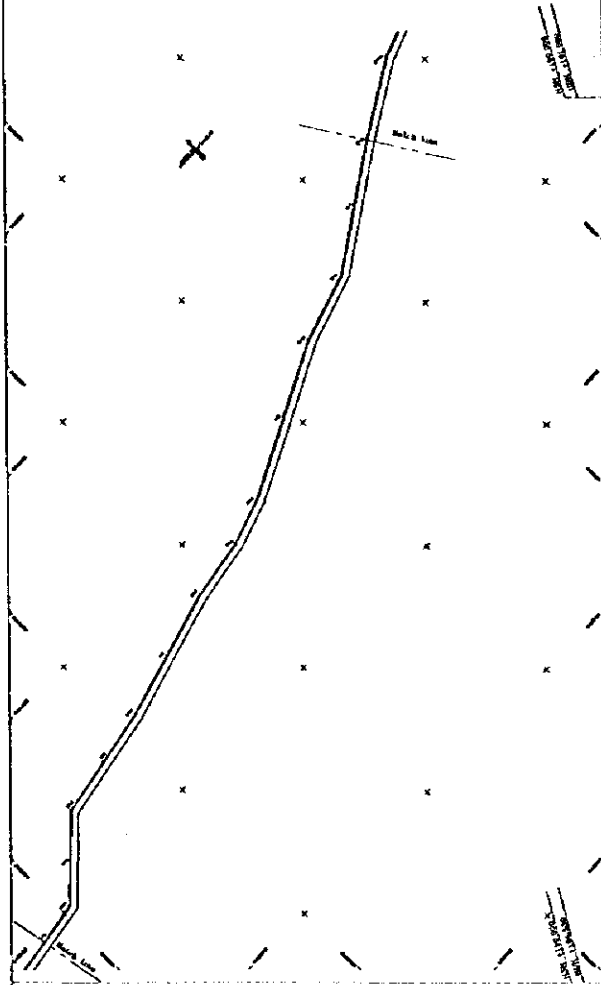
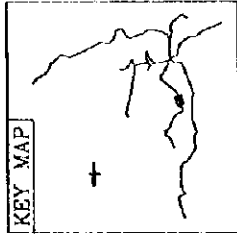


PLATE NO.

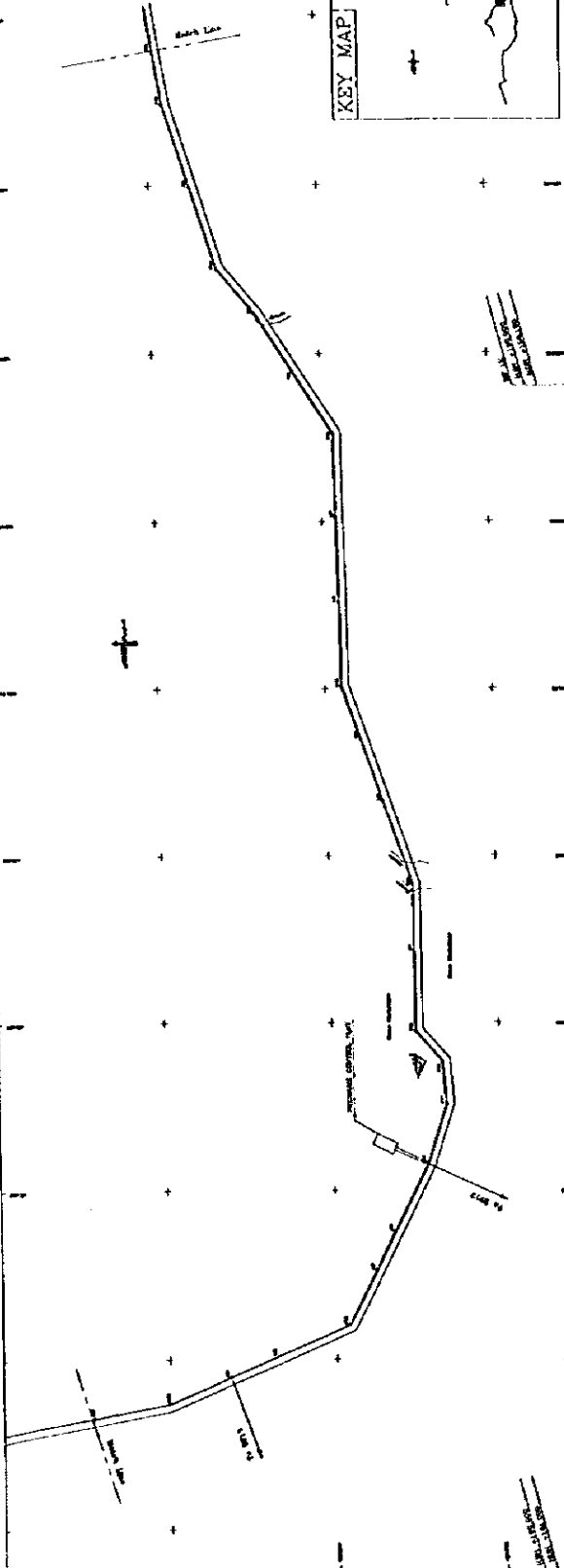


Stationing	Profile	Notes
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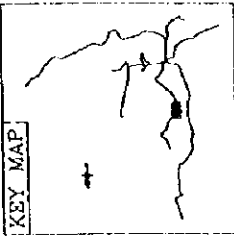
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil d'Am Defalci route C (5/8)**  
 DATE: '68/05/19 DWG. NO. PWP-AD-PRO-205  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



PLATE NO.



KEY MAP



DESIGNED BY  
 DRAWN BY  
 CHECKED BY

DATE OF DESIGN  
 DATE OF DRAWING  
 DATE OF CHECKING

SCALE OF PROFILE  
 SCALE OF PLAN  
 SCALE OF SECTION

SECTION OF PIPE  
 SECTION OF VALVE

Stationing	Profile	Plan	Section
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0+10			
0+20			
0+30			
0+40			
0+50			
0+60			
0+70			
0+80			
0+90			
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10+00			

KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route C (6/8)**

DATE 98/05/19 DWG NO. PRE-AD-PRO-206  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

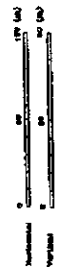
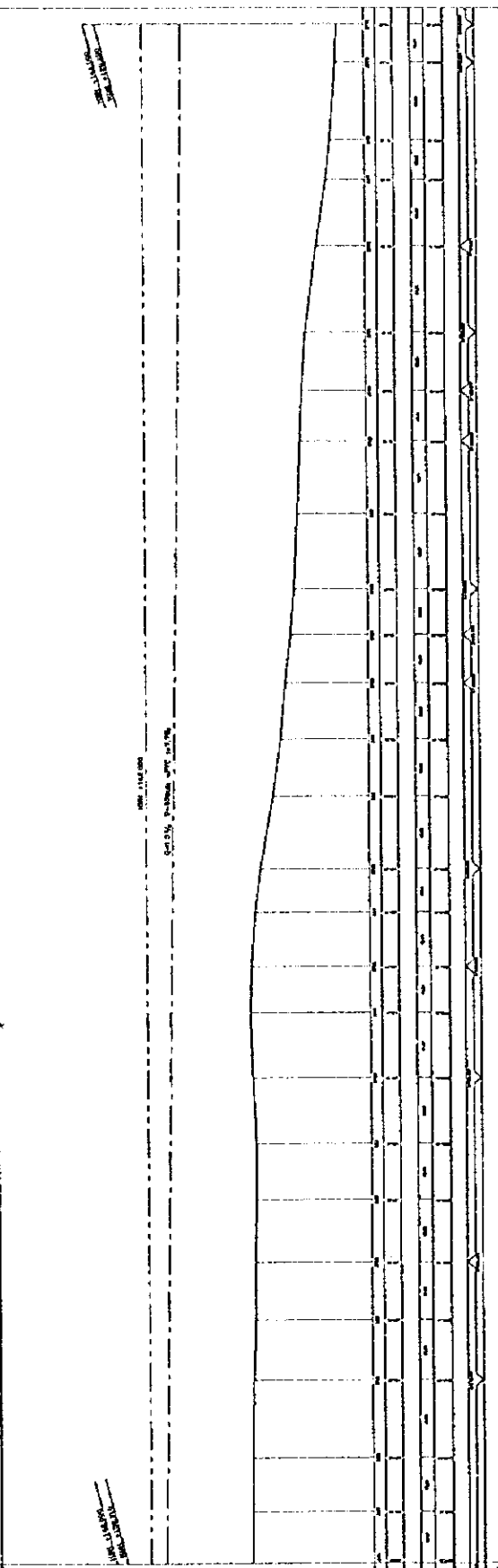
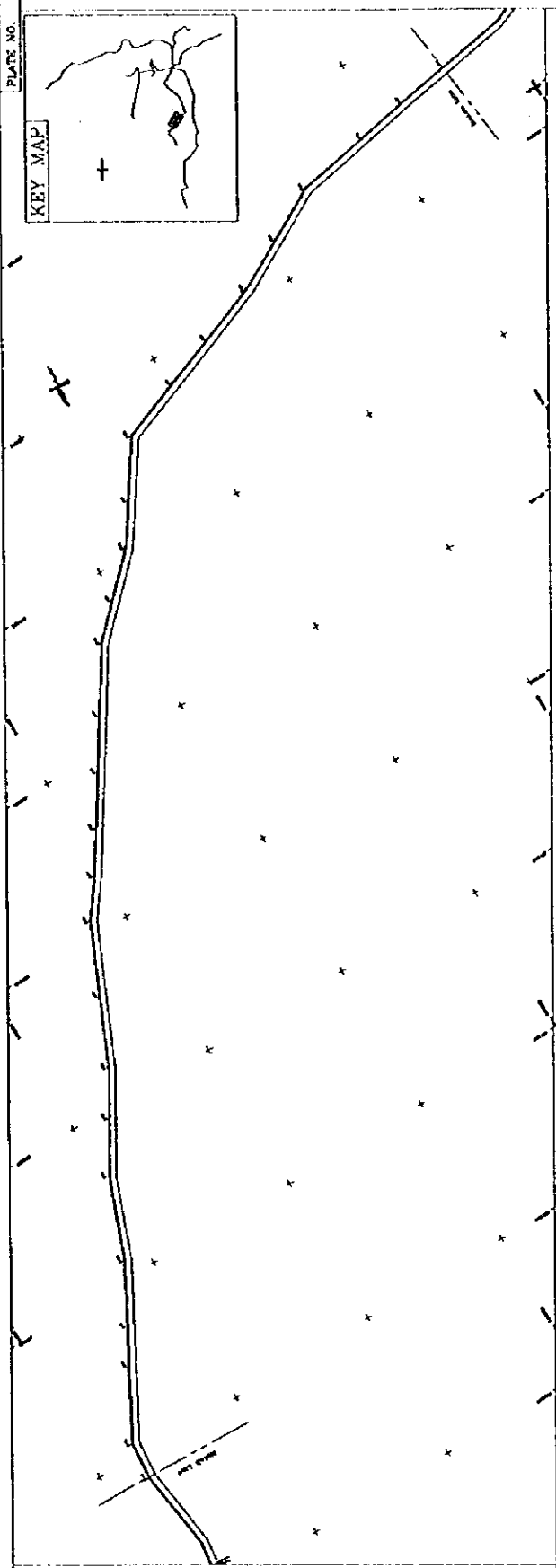
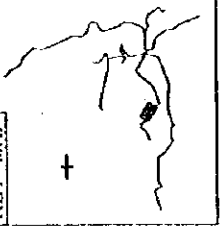


PLATE NO.

KEY MAP



Scale 1:1000

Scale 1:1000

KINGDOM OF MOROCCO

THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

TITLE OF DRAWING

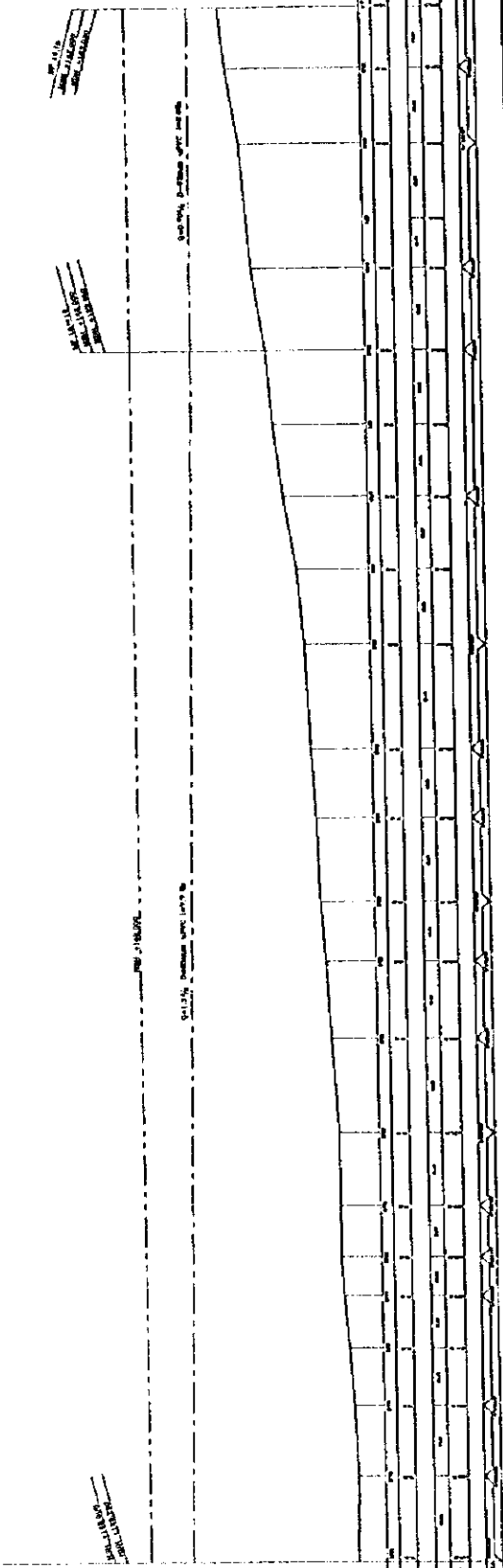
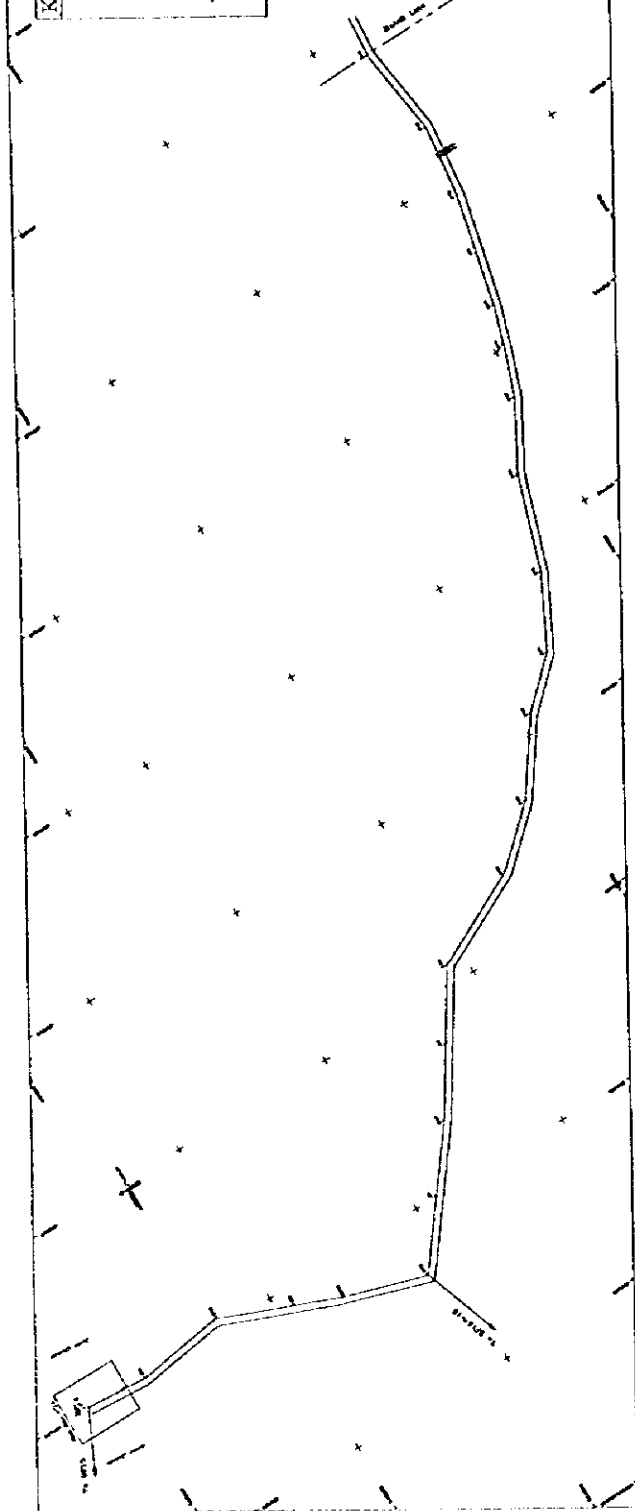
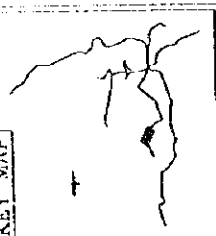
Profil d'Ain Defail route C (7/8)

DATE 06/06/19 DWG. NO. PRF-AD-PRO-207  
NIPPON KOGI CO., LTD. TOKYO JAPAN



PLATE NO.

KEY MAP



KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route C (8/8)**

DATE 08/05/76 DWG. NO. PRP-AD-PRO-208  
NIPPON KOEI CO., LTD. TOKYO JAPAN

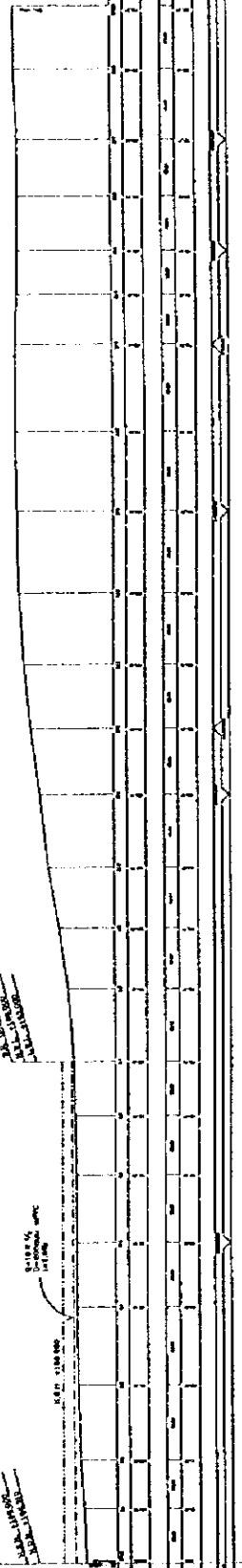
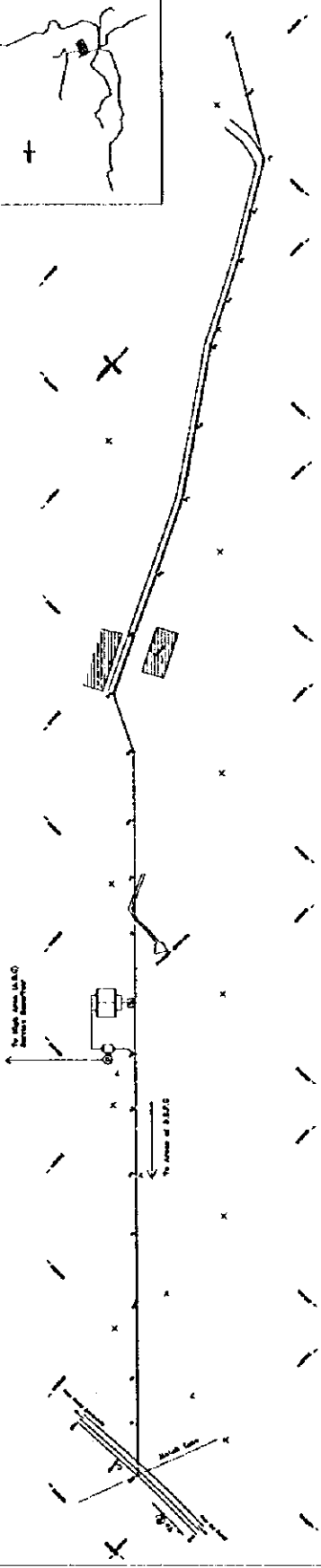
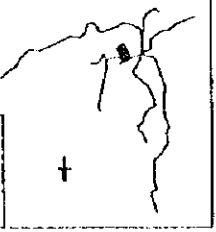






PLATE NO.

KEY MAP

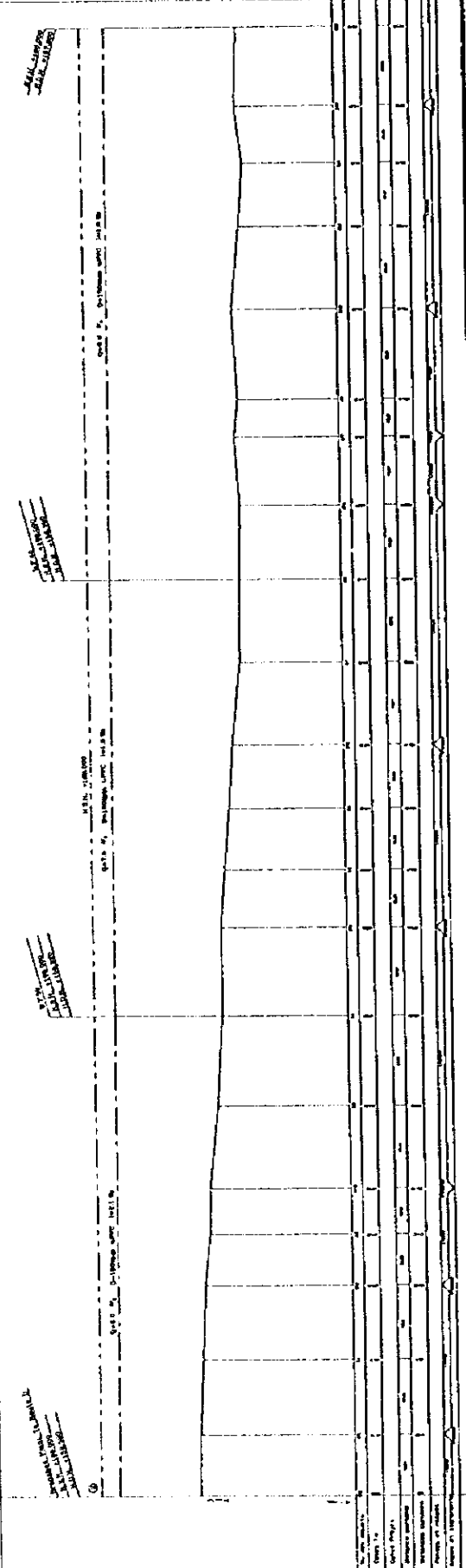
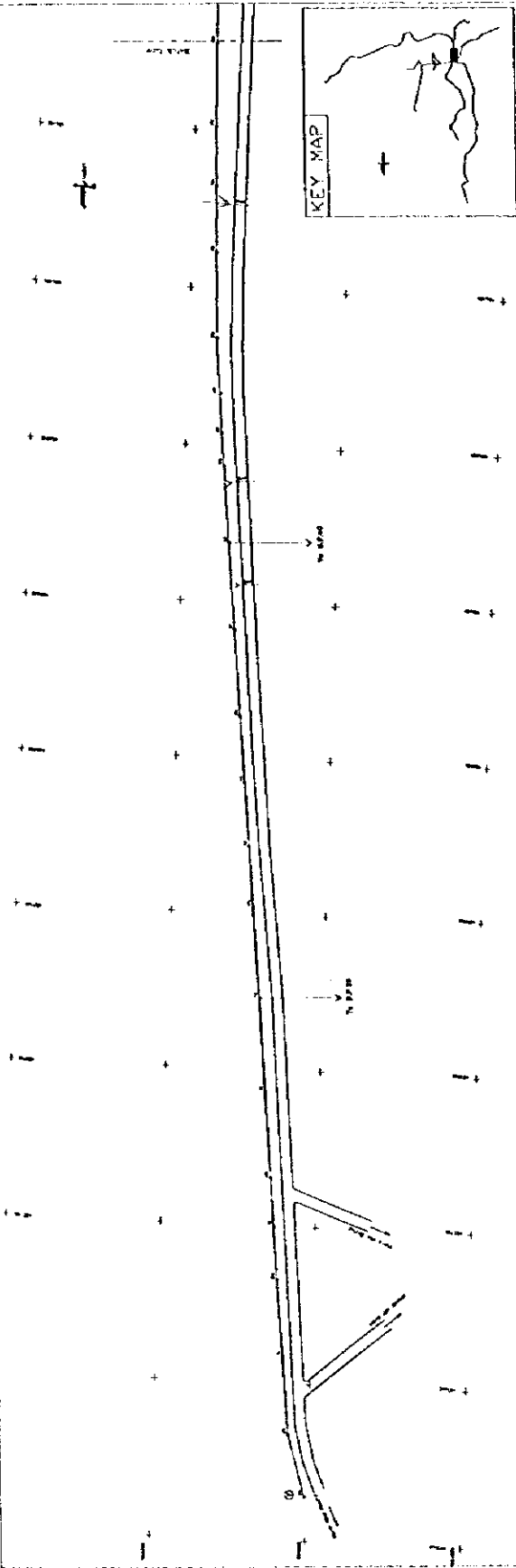


KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil d'Ain Defali route commune (3/3)**  
 DATE 98/05/19 DWG. NO. PRF-AD-PRO-303  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



Scale 1:1000

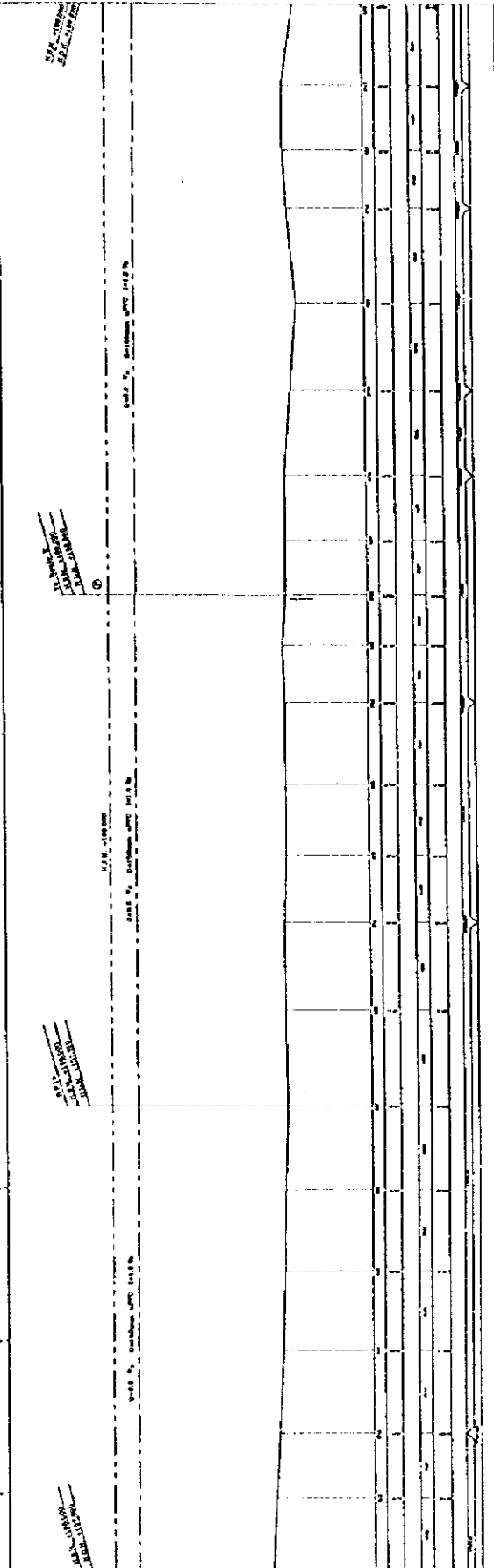
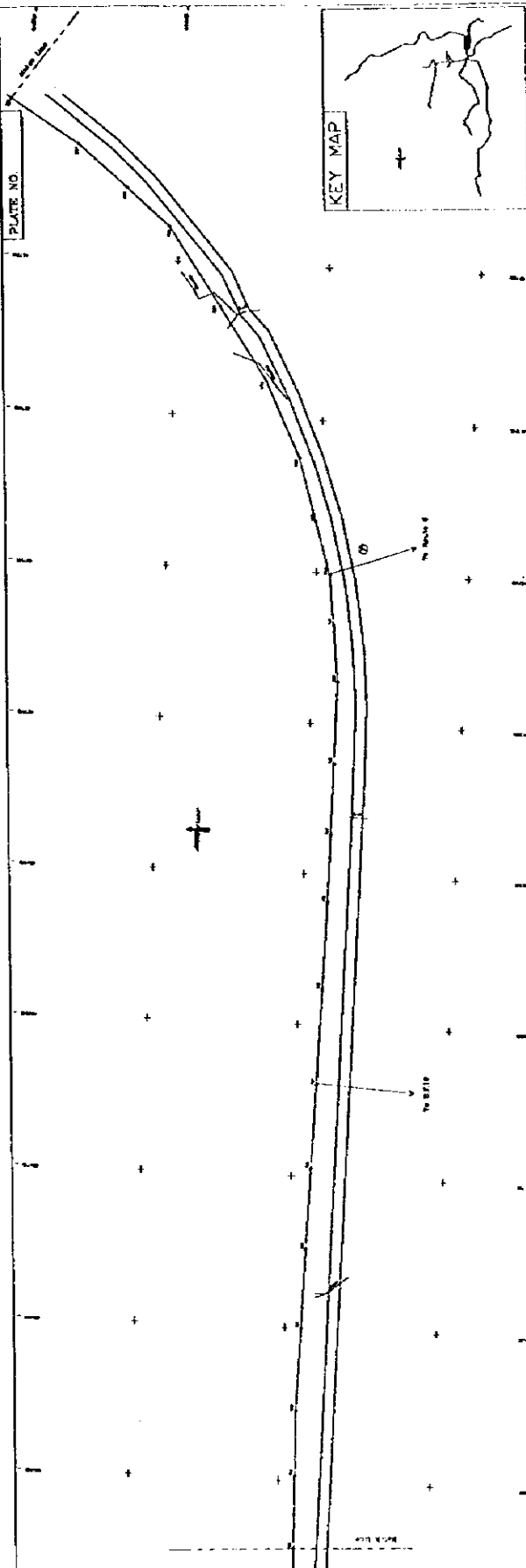
PLATE NO



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route D (1/15)**

DATE 98/05/19 Dwg. NO. PWP-AD-PRO-401  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil d'Ain Detail route D (2/15)**  
 DATE 06/05/19 DWG. NO. PRF-AG-PRO-402  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

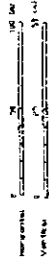
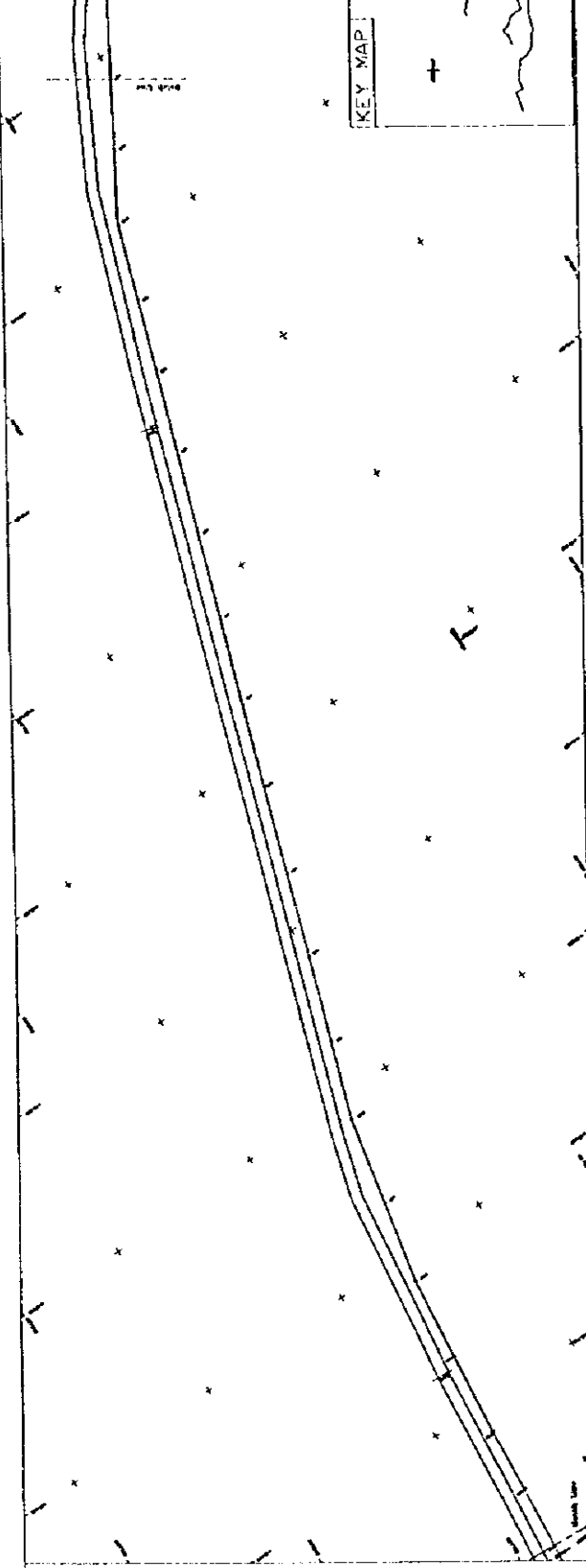
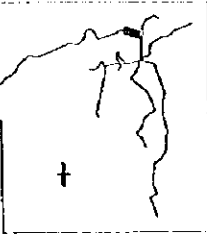


PLATE NO.



KEY MAP



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SCALE 1:10000

SCALE 1:1000

DATE: 1987/05/14

PROJECT: RURAL WATER SUPPLY

NO. 3/15

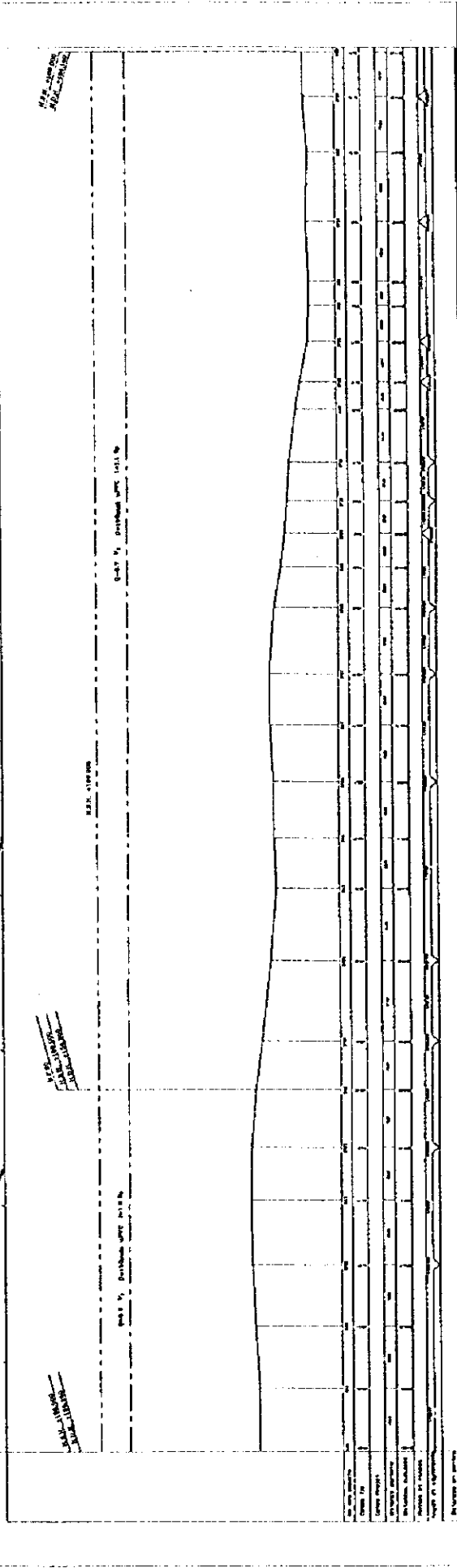
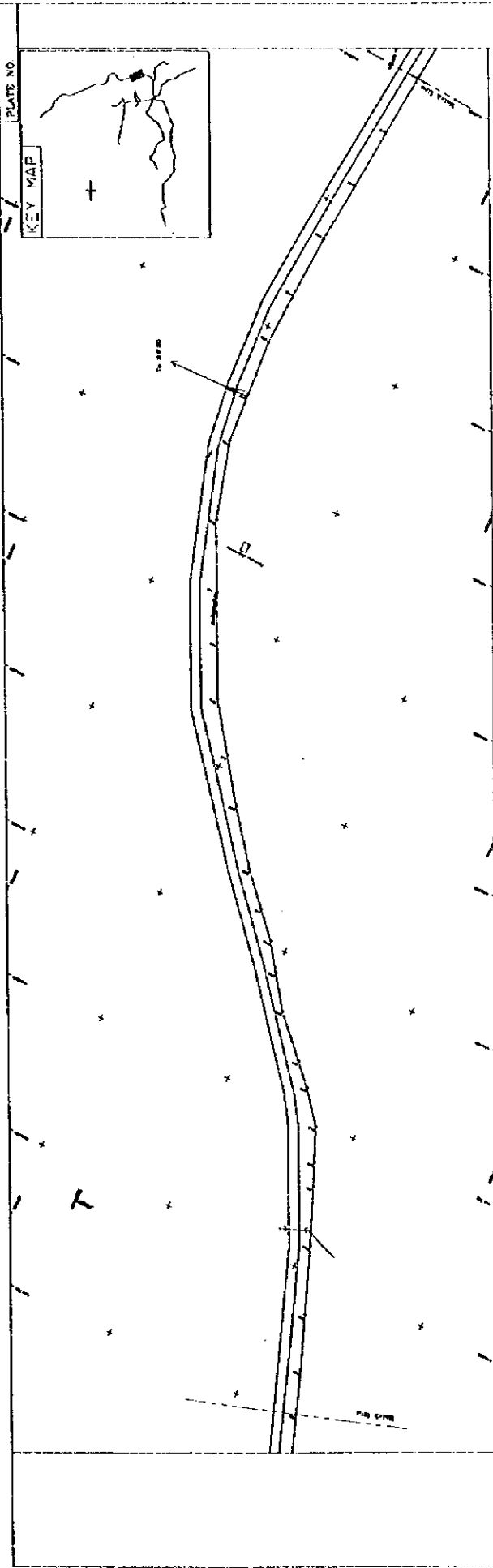
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0+40	100.00	0.00		
0+50	100.00	0.00		
0+60	100.00	0.00		
0+70	100.00	0.00		
0+80	100.00	0.00		
0+90	100.00	0.00		
1+00	100.00	0.00		
1+10	100.00	0.00		
1+20	100.00	0.00		
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2+30	100.00	0.00		
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2+60	100.00	0.00		
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2+80	100.00	0.00		
2+90	100.00	0.00		
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9+90	100.00	0.00		
10+00	100.00	0.00		

KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route D (3/15)**

DATE: '88/05/14 DWG. NO. PRF-AD-PRO-403  
 NIPPON KOEI CO., LTD. TOKYO JAPAN





KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route D (4/15)**

DATE: '98/05/19 DWG. NO: PRP-AD-PRO-404  
NIPPON KOEI CO., LTD. TOKYO JAPAN

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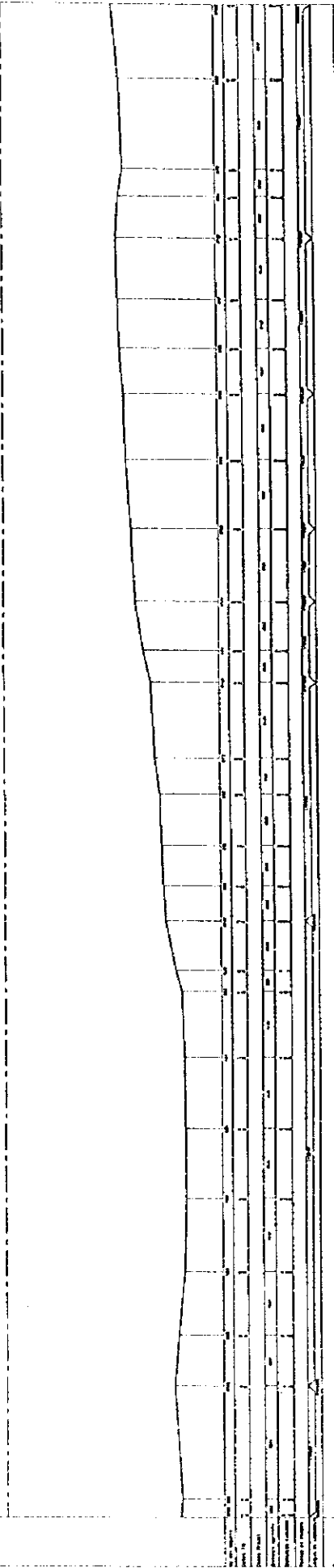




DATE: 1988/05/19  
 DWG NO: PRP-AD-PRO-600

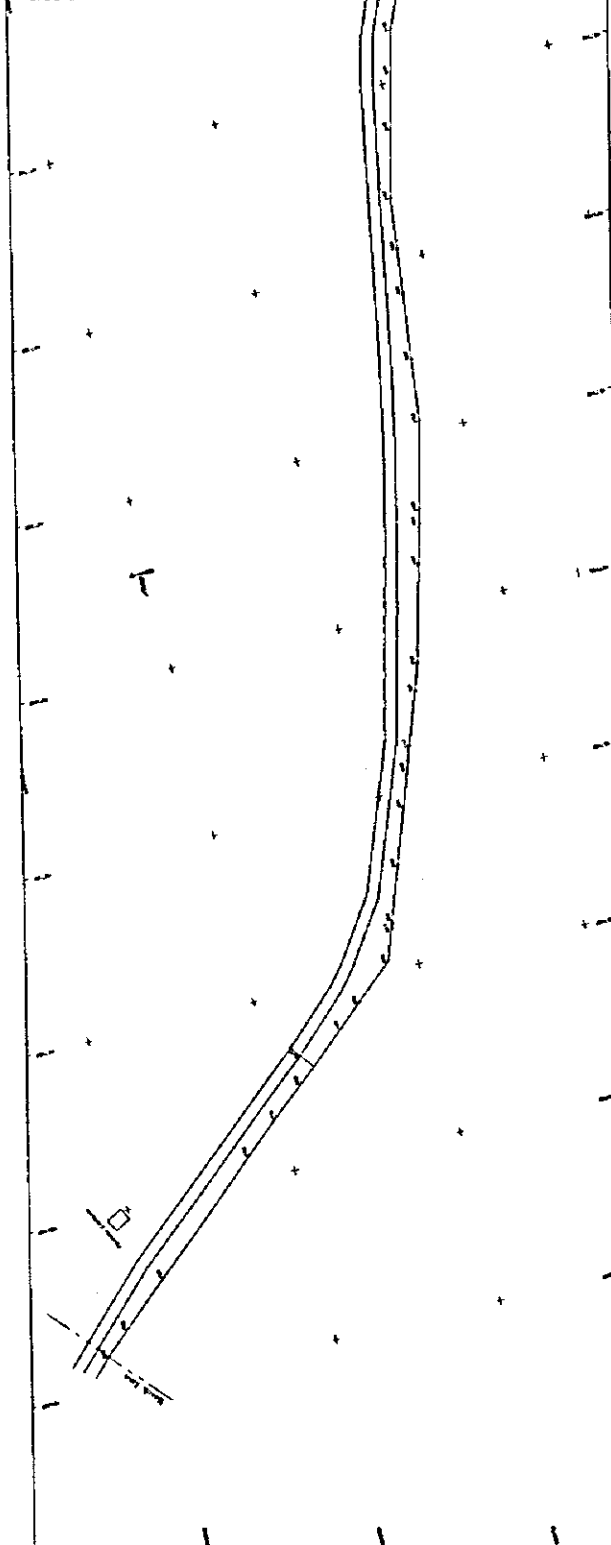
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KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY	
IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Profil d'Ain Defali route D (6/15)	
DATE	'88/05/19 DWG NO
	PRP-AD-PRO-600
NIPPON KOEI CO., LTD. TOKYO JAPAN	

PLATE NO  
KEY MAP

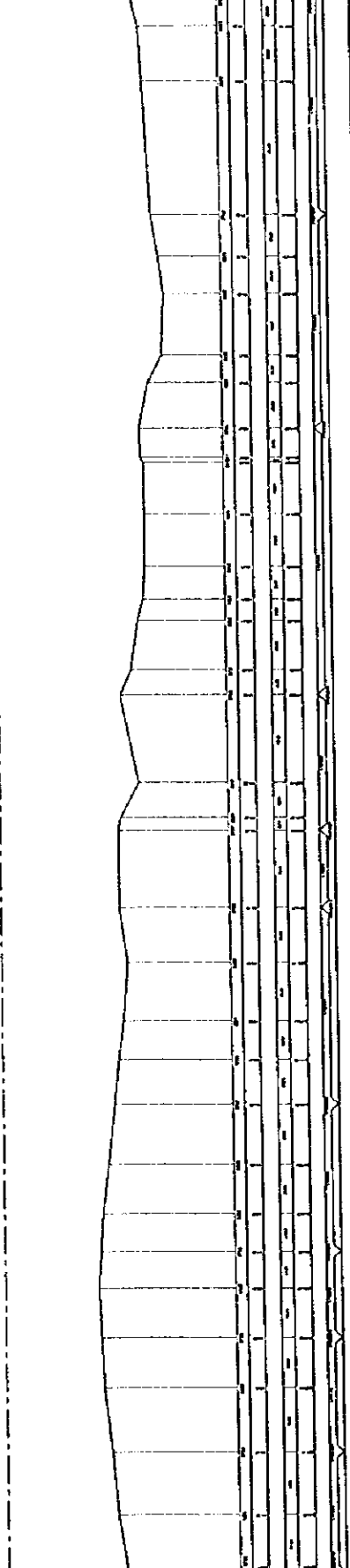


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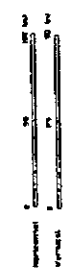
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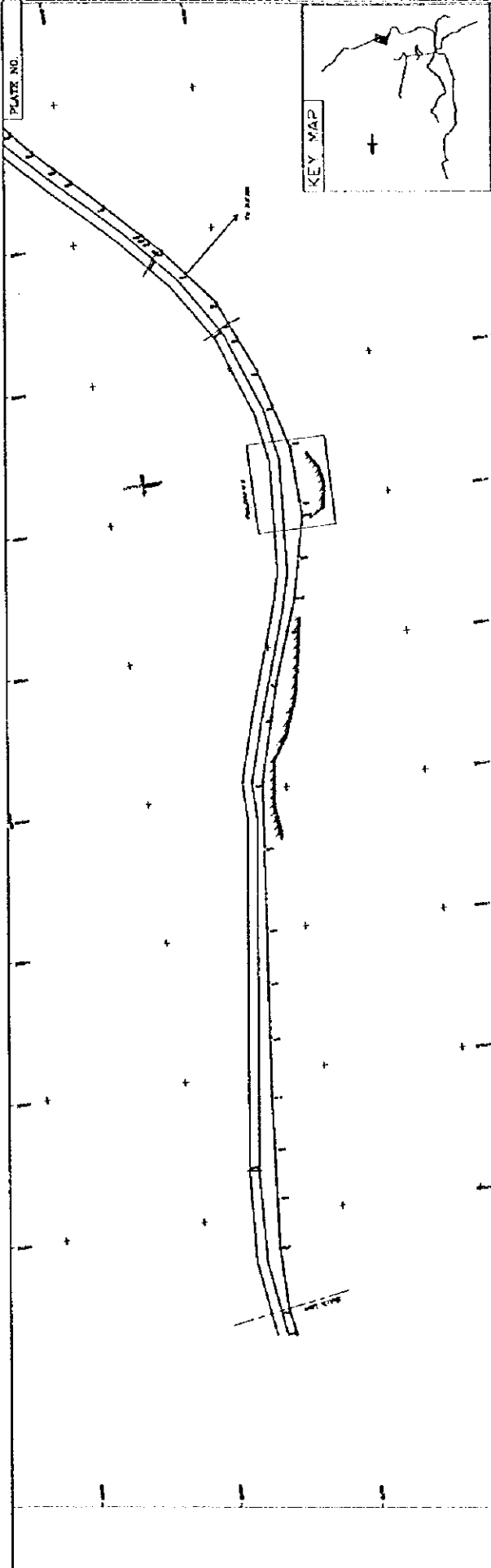
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KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION  
TITLE OF DRAWING  
**Profil d'Ain Deflah route D (7/15)**  
DATE 98/06/19 DWG. NO PRP-AD-PR0-407  
NIPPON KOEI CO., LTD. TOKYO JAPAN







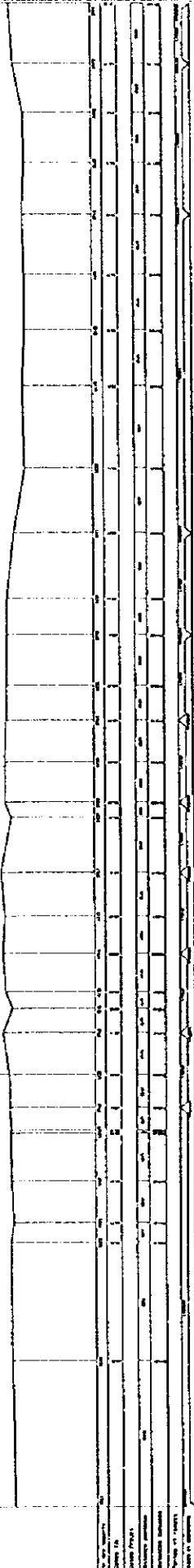
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SCALE 1:5000  
VERTICAL SCALE 1:1000

Sheet 1 of 2

Sheet 2 of 2

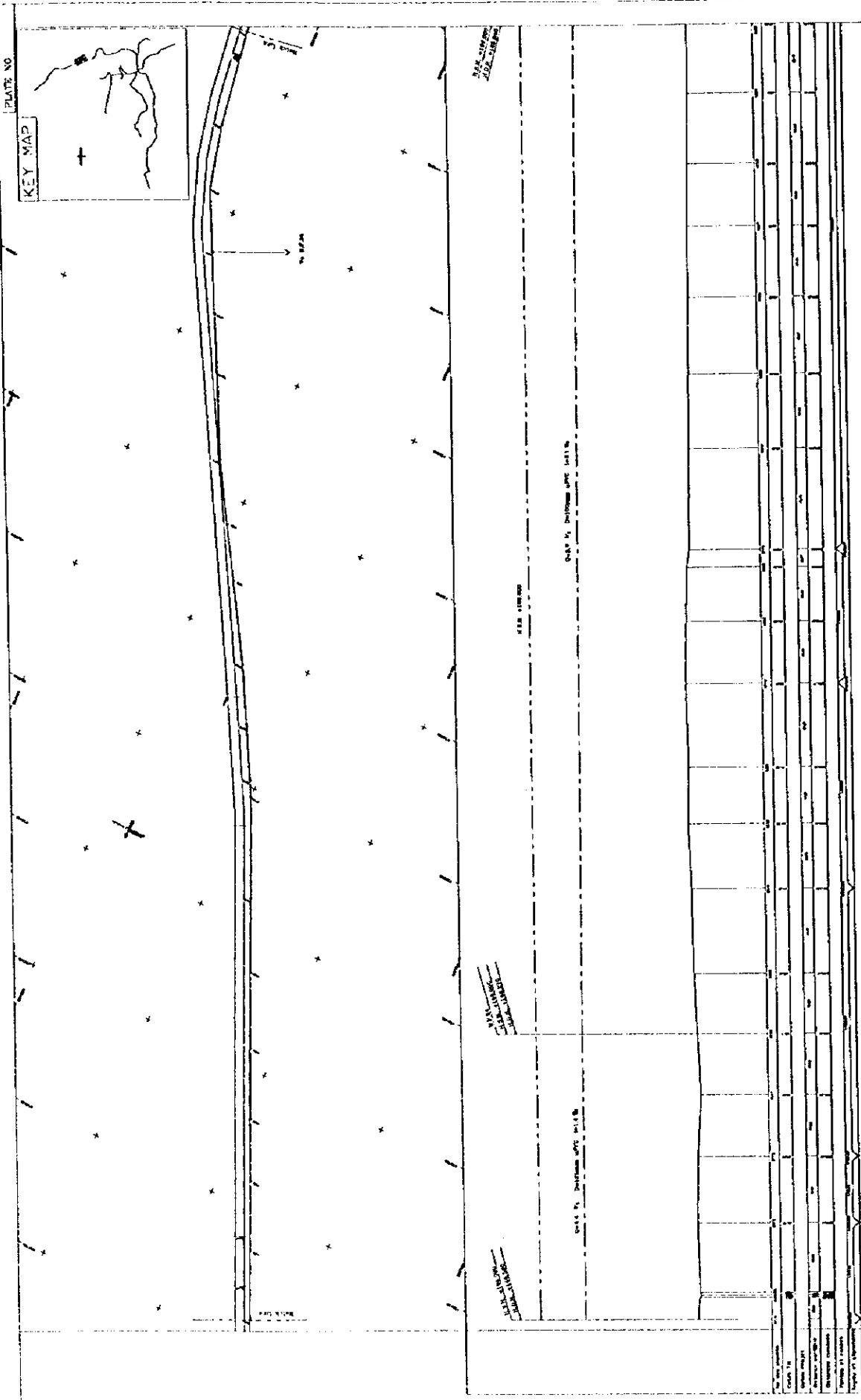
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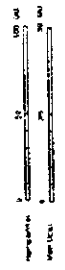
KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defail route D (8/15)**

DATE: '98/05/19 DWG. NO. PRP-AD-PRO-408  
NIPPON KOEI CO., LTD. TOKYO JAPAN



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil d'Ain Defali route D (9/15)**  
 DATE 06/05/19 D.M.C. NO. PRF-AD-PRO-409  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



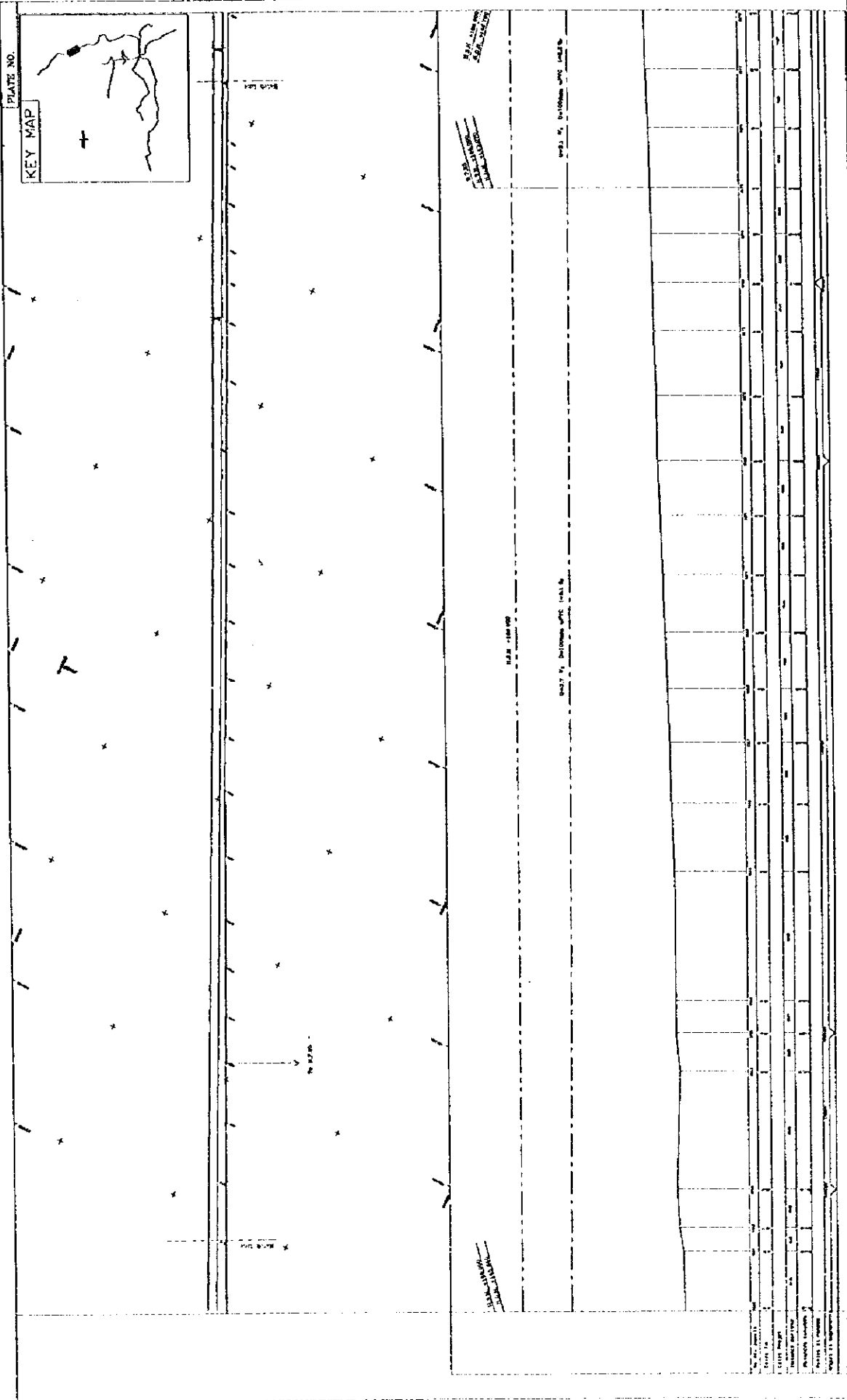


PLATE NO.

KEY MAP

DATE: 1987.11.10

DRAWN: [illegible]

CHECKED: [illegible]

PROJECT: [illegible]

SCALE: 1:1000

SHEET NO. 10/15

KINGDOM OF MOROCCO	
THE PROJECT FOR RURAL WATER SUPPLY	
IN THE PRE-RIF REGION	
TITLE OF DRAWING	
Profil d'Am Defaisi route D (10/15)	
DATE	1987/06/19
DWG. NO.	PRF-AD-PRO-410
NIPPON KOEI CO., LTD. TOKYO JAPAN	

PLATE NO.

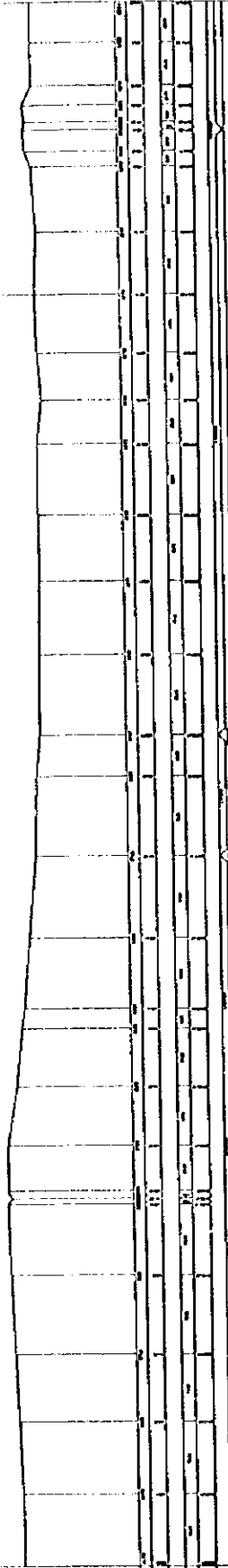
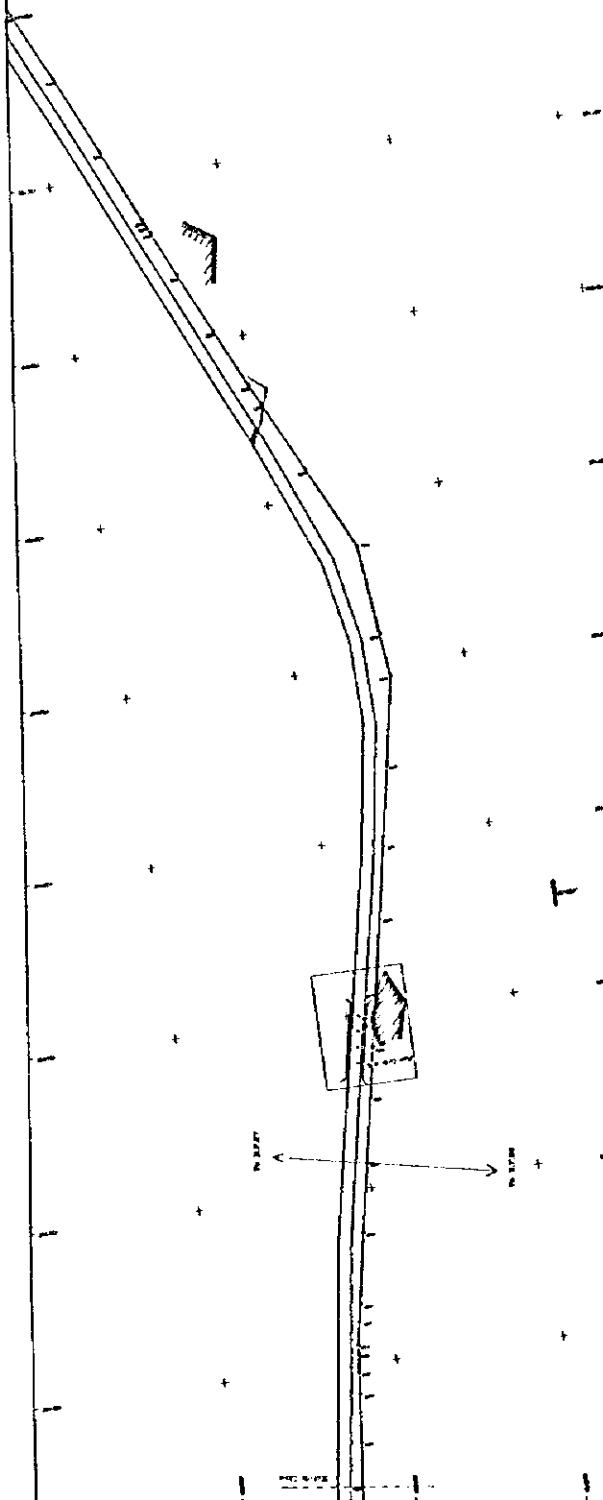
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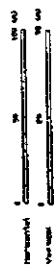
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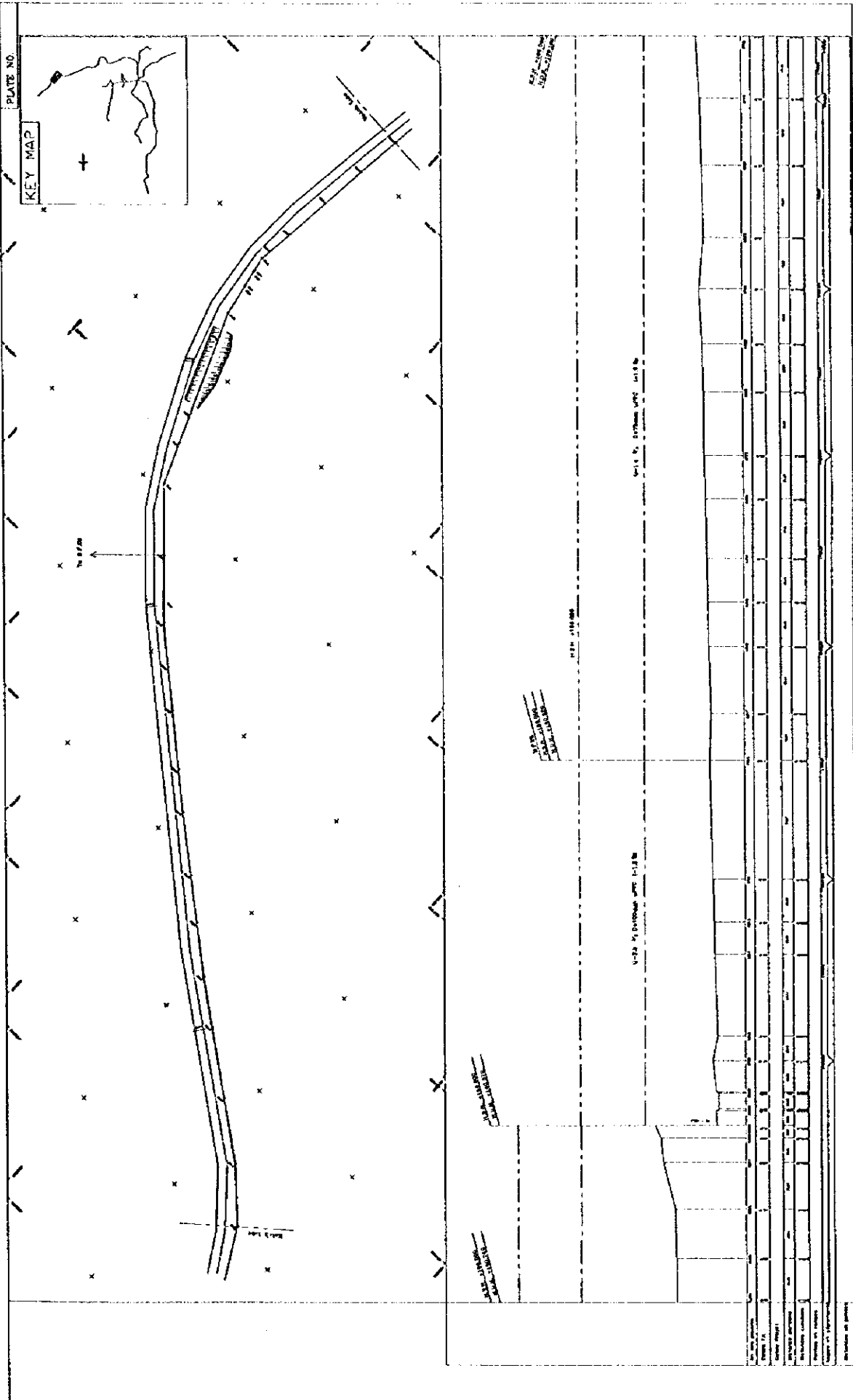
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Sheet No.	



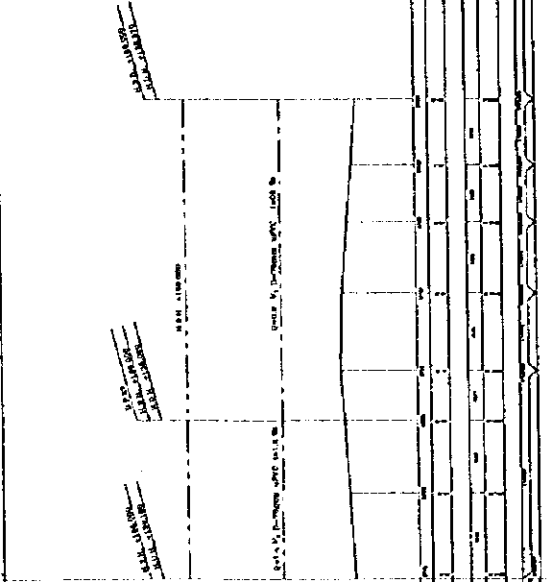
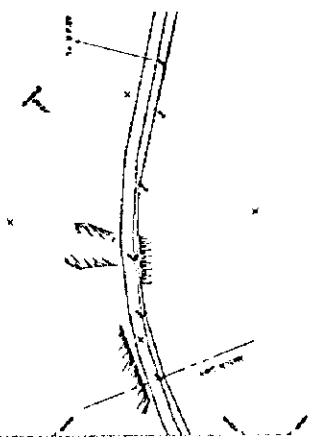
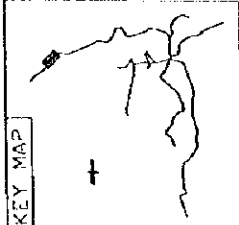
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil d'Ain Deflah route D (1/15)**  
 DATE 98/05/19 DWG. NO. PRF-AD-PRO-41  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil of Ain Defnals route D (12/15)**  
 DATE 99/05/19 DWG. NO. PRP-AD-PRO-412  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

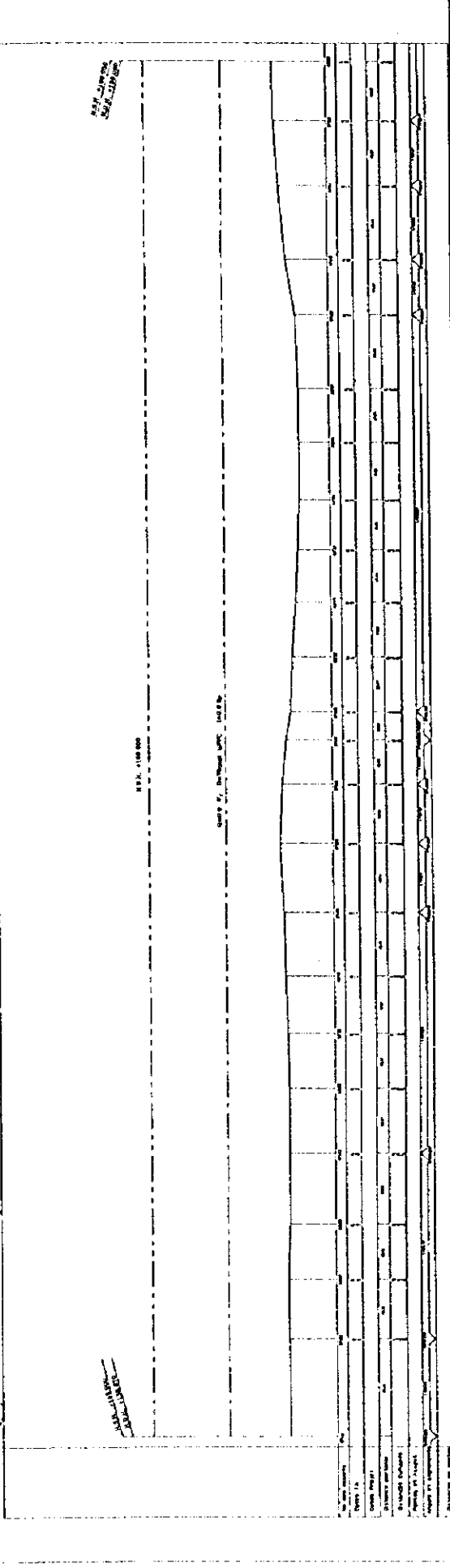
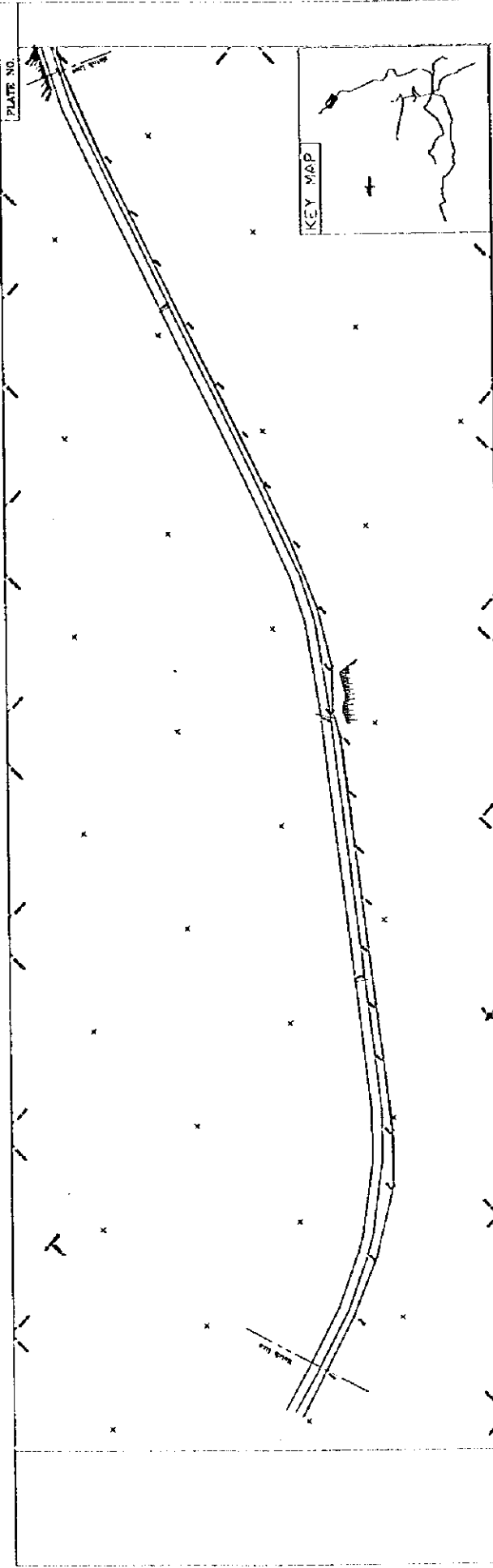
KEY MAP



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profile d'A in Detail route D (13/15)**

DATE '96/05/19 DWG. NO. PRF-AD-PRO-413  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

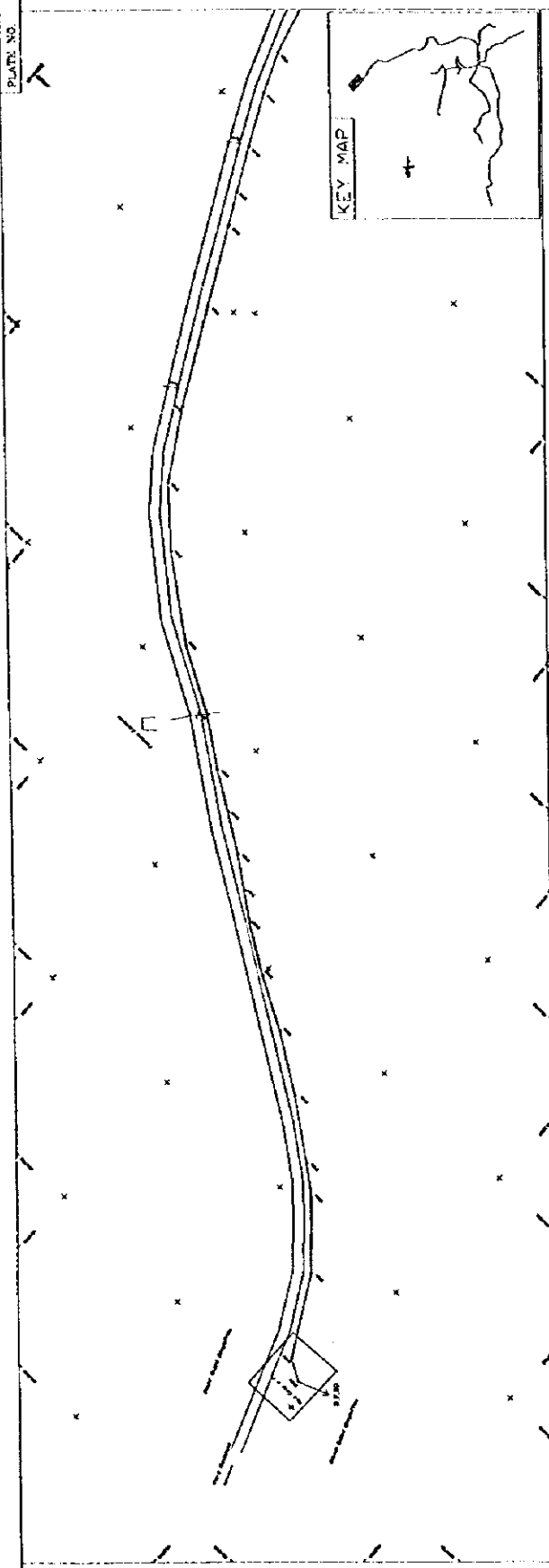


KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Detail route D (14/15)**

DATE: 05/05/19 DWG. NO. PRP-AD-PRO-414  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.



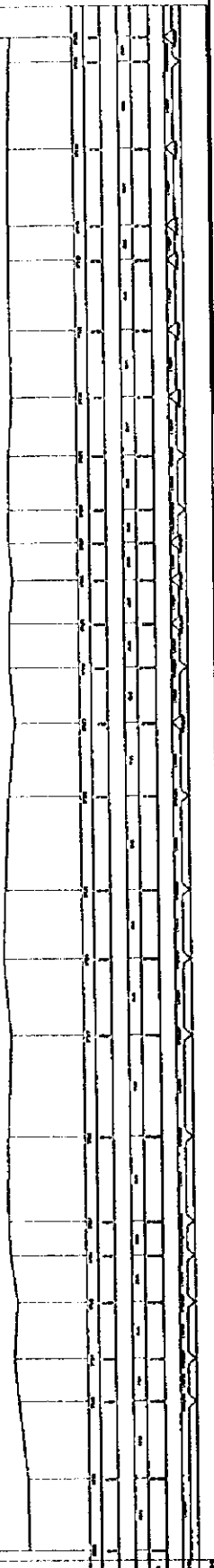
KEY MAP

SEE  
PLAN NO. 1000  
FOR  
GENERAL  
LAYOUT

1:1000

1:1000

SEE  
PLAN NO. 1000  
FOR  
GENERAL  
LAYOUT



KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

Profil d'Am Defali route D (15/15)

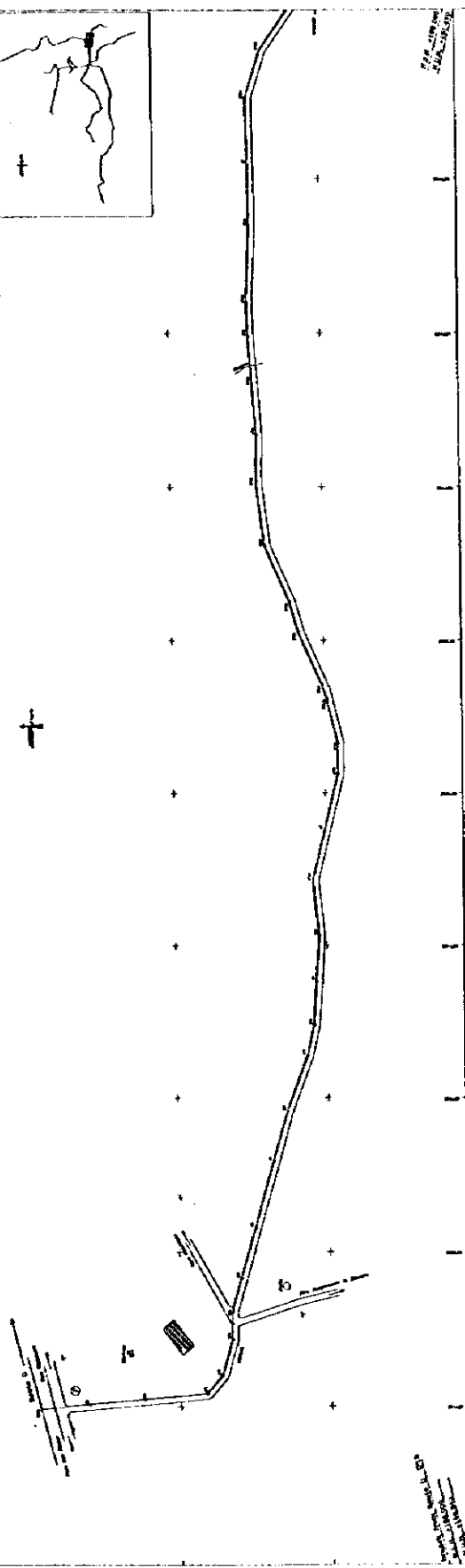
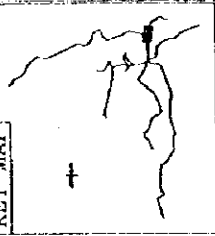
DATE 08/05/19 DWG. NO. PNY-AD-PRO-413  
NIPPON KOEI CO., LTD. TOKYO JAPAN





PLATE NO.

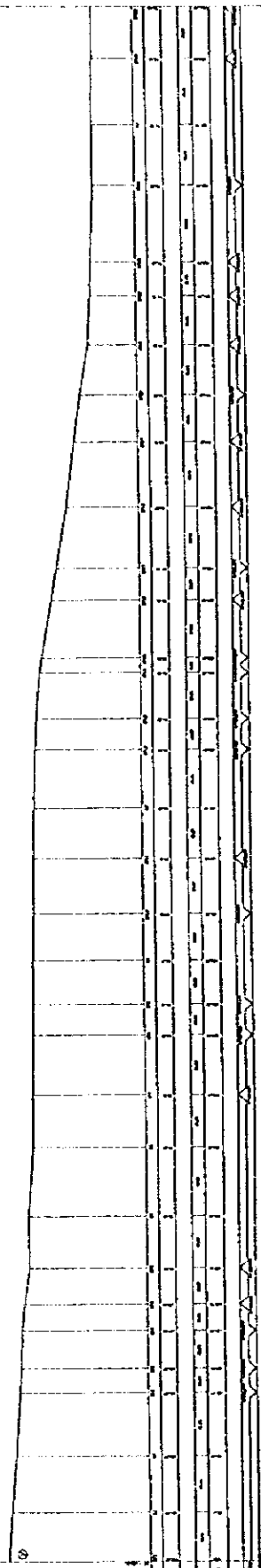
KEY MAP



Scale 1:500  
Vertical Scale 1:100

ROAD PROFILE

Stationing: 0+00 to 0+200



Scale 1:1000  
Vertical Scale 1:100

KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route E (1/3)**

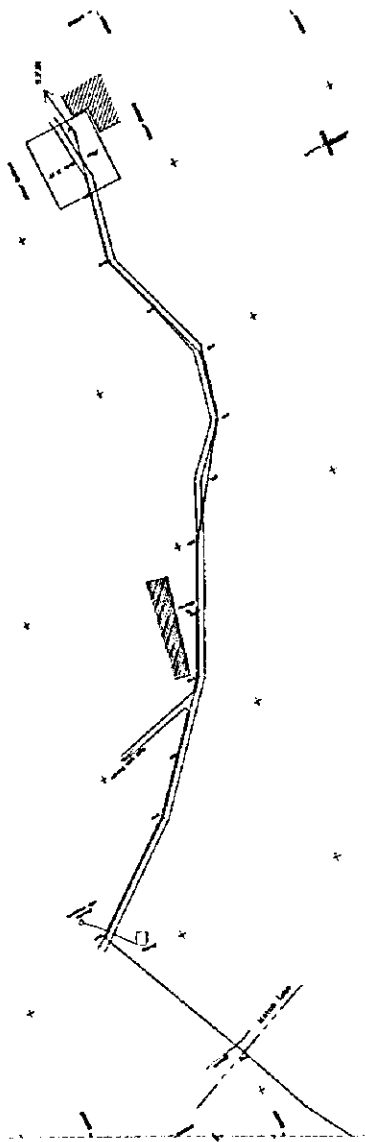
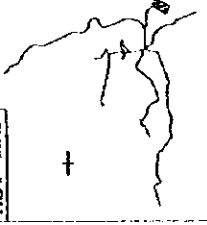
DATE 98/05/19 | DWG NO PRF-AD-PRO-001  
 NIPPON KOEI CO., LTD. TOKYO JAPAN





PLATE NO.

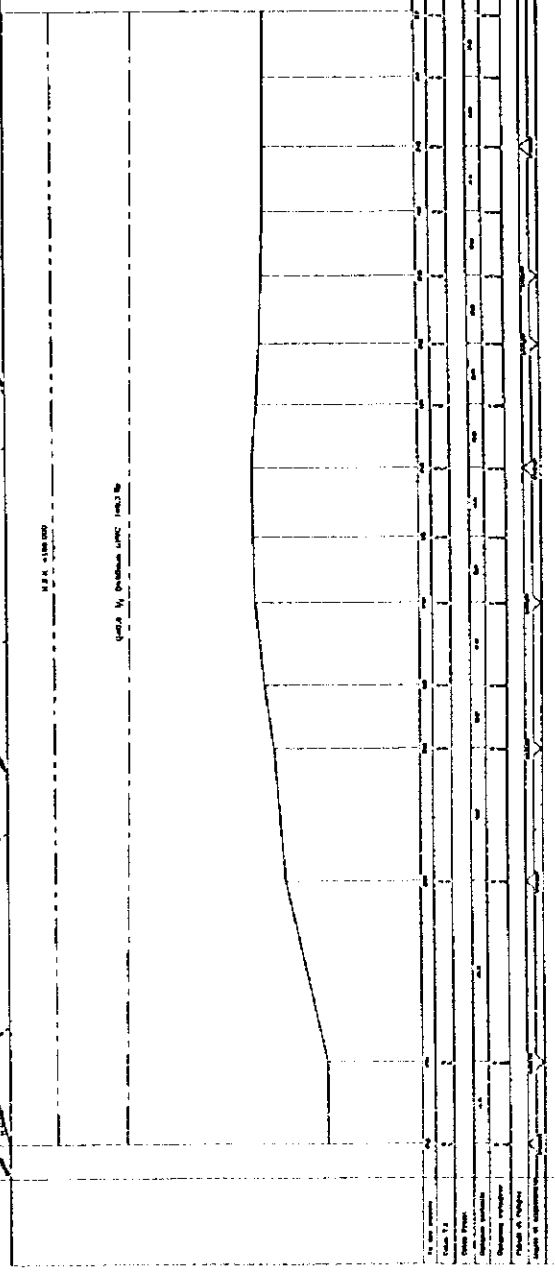
KEY MAP



Scale 1:1000

Scale 1:1000

Scale 1:1000



Scale 1:1000



KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION

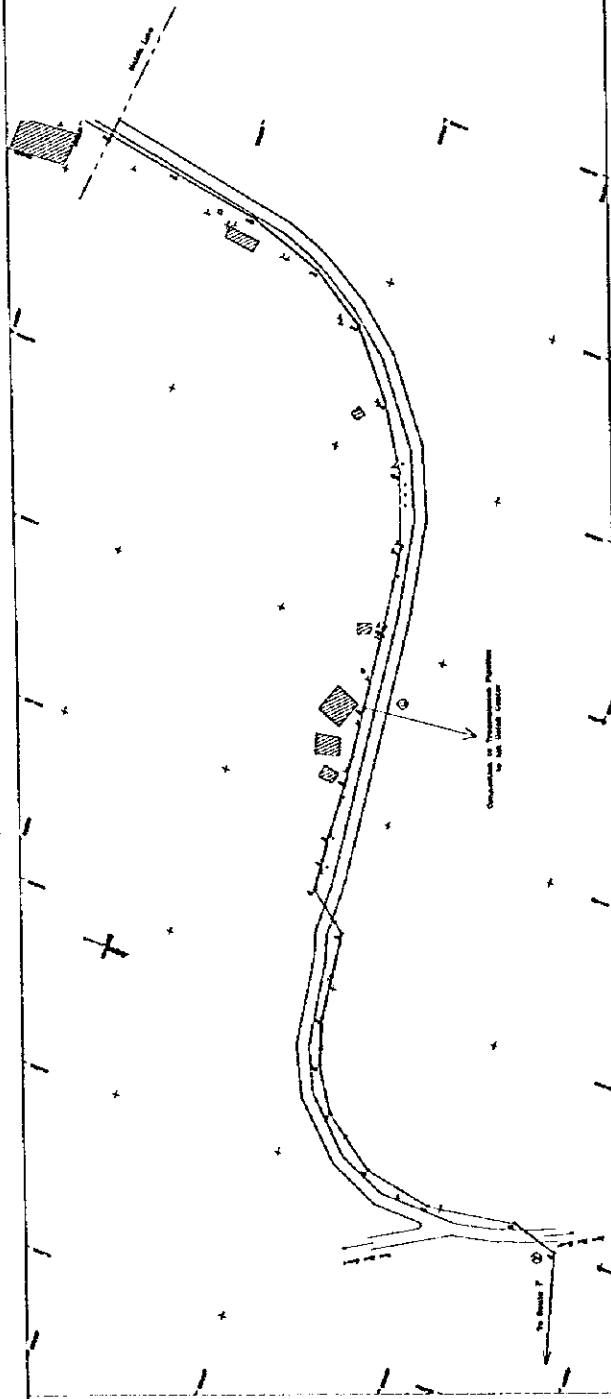
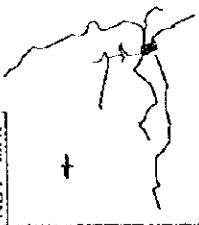
TITLE OF DRAWING

Profil d'Ain Defali route E (3/3)

DATE 06/05/19 DHC NO PRE-AD-PRO-003  
NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



Scale 1:1000

Scale 1:1000

Scale 1:1000

Scale 1:1000

Stationing	Elevation (m)	Ground Profile	Proposed Profile	Structure	Notes
0+00	100.00				
0+10	100.00				
0+20	100.00				
0+30	100.00				
0+40	100.00				
0+50	100.00				
0+60	100.00				
0+70	100.00				
0+80	100.00				
0+90	100.00				
1+00	100.00				
1+10	100.00				
1+20	100.00				
1+30	100.00				
1+40	100.00				
1+50	100.00				
1+60	100.00				
1+70	100.00				
1+80	100.00				
1+90	100.00				
2+00	100.00				
2+10	100.00				
2+20	100.00				
2+30	100.00				
2+40	100.00				
2+50	100.00				
2+60	100.00				
2+70	100.00				
2+80	100.00				
2+90	100.00				
3+00	100.00				
3+10	100.00				
3+20	100.00				
3+30	100.00				
3+40	100.00				
3+50	100.00				
3+60	100.00				
3+70	100.00				
3+80	100.00				
3+90	100.00				
4+00	100.00				
4+10	100.00				
4+20	100.00				
4+30	100.00				
4+40	100.00				
4+50	100.00				
4+60	100.00				
4+70	100.00				
4+80	100.00				
4+90	100.00				
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5+30	100.00				
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5+60	100.00				
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5+80	100.00				
5+90	100.00				
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6+30	100.00				
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6+50	100.00				
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9+40	100.00				
9+50	100.00				
9+60	100.00				
9+70	100.00				
9+80	100.00				
9+90	100.00				
10+00	100.00				

KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

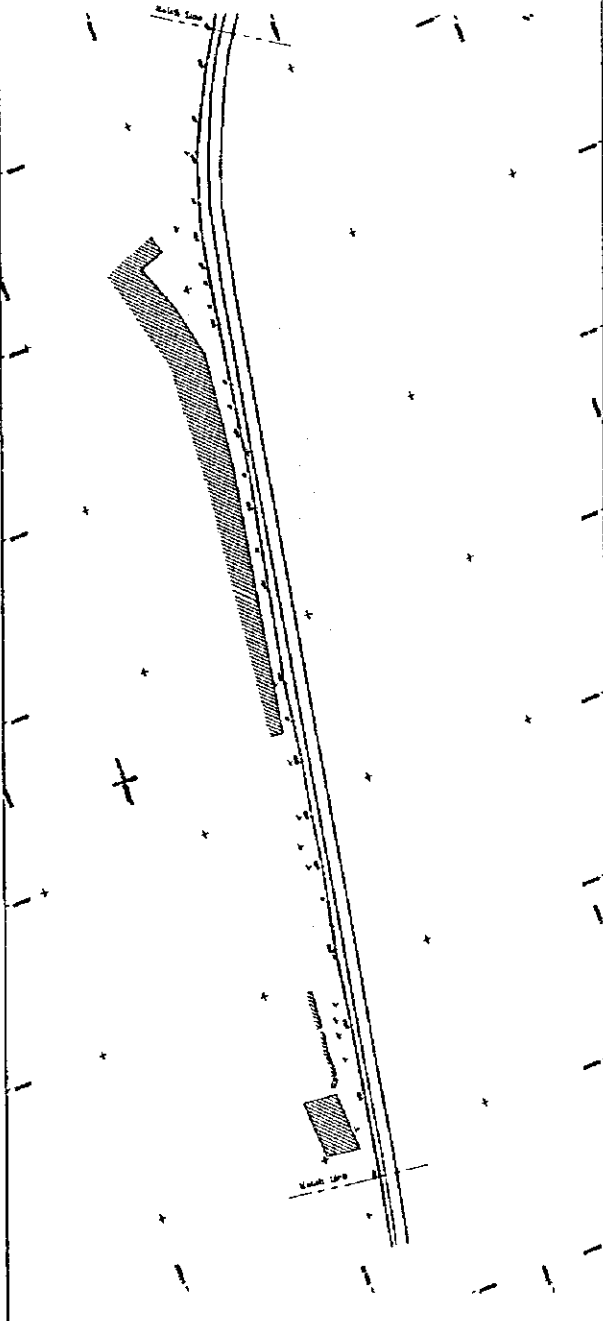
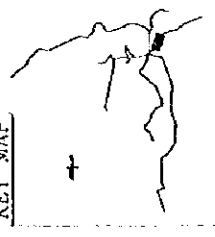
TITLE OF DRAWING  
**Profil d'Ain Defali route F (1/6)**

DATE: '98/05/19 DWG. NO: PRF-AD-PRO-001  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



PLATE NO.

KEY MAP

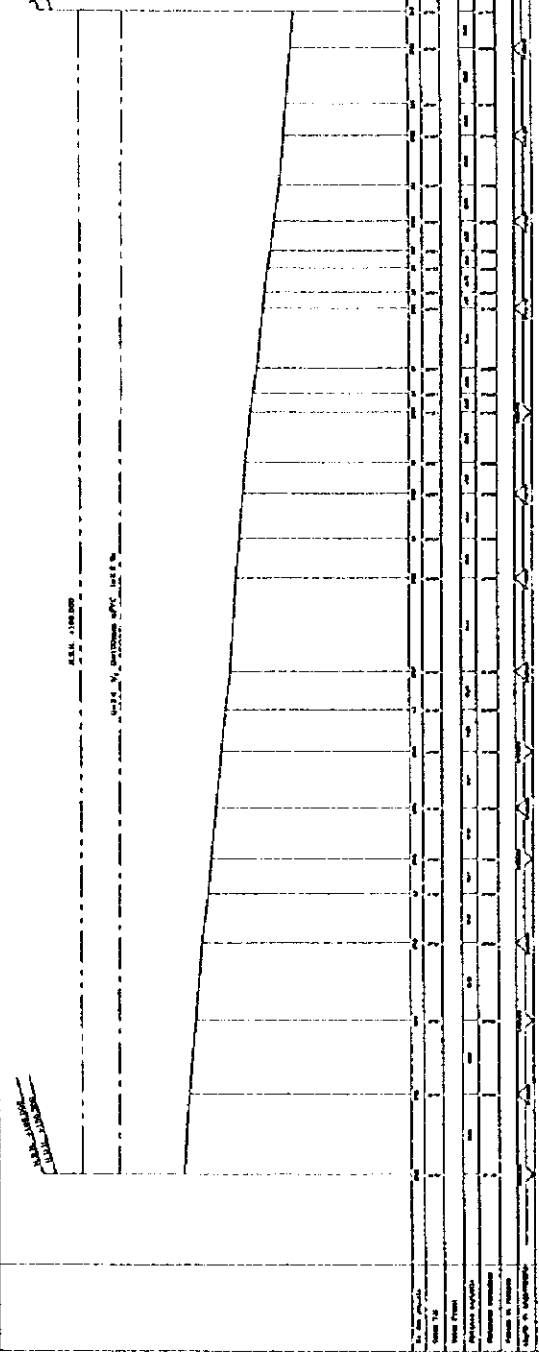


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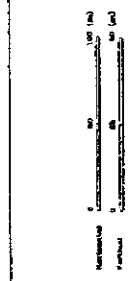
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SEE DRAWING

SEE DRAWING



Scale	1:10,000
Sheet No.	
Project No.	
Design No.	
Drawn by	
Checked by	
Approved by	
Date	



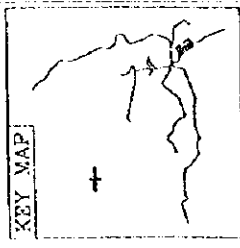
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIP REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route F (2/6)**

DATE 08/05/19 DWG. NO. PRF-AD-PKO-602  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



Stationing	Profile	Grade	Width	Height	Notes
0+00					
0+10					
0+20					
0+30					
0+40					
0+50					
0+60					
0+70					
0+80					
0+90					
1+00					
1+10					
1+20					
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9+00					
9+10					
9+20					
9+30					
9+40					
9+50					
9+60					
9+70					
9+80					
9+90					
10+00					

KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route F (3/6)**

DATE 08/05/19 DWG. NO. PRF-AD-PRO-003  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

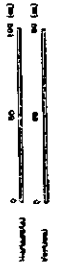
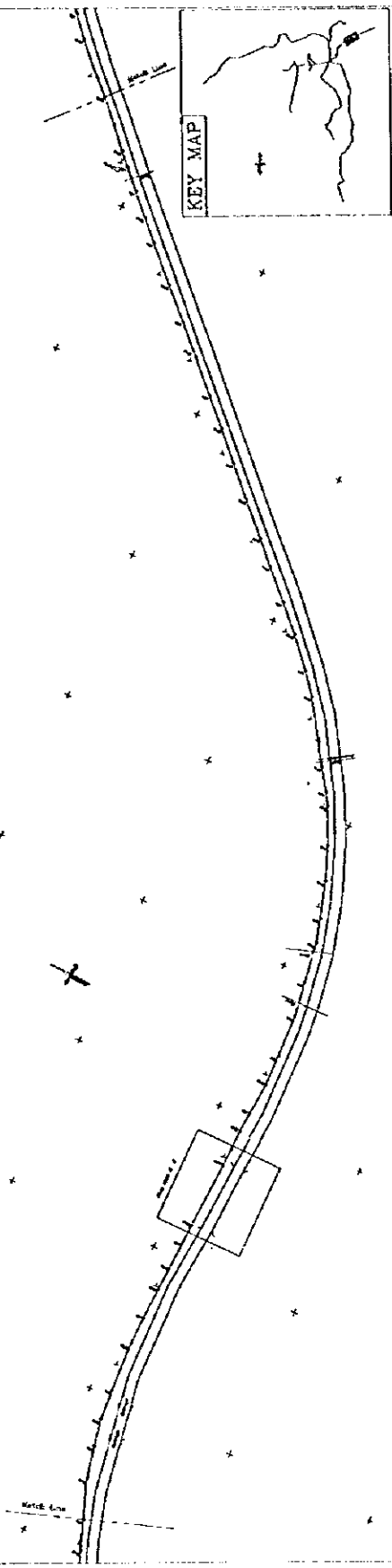


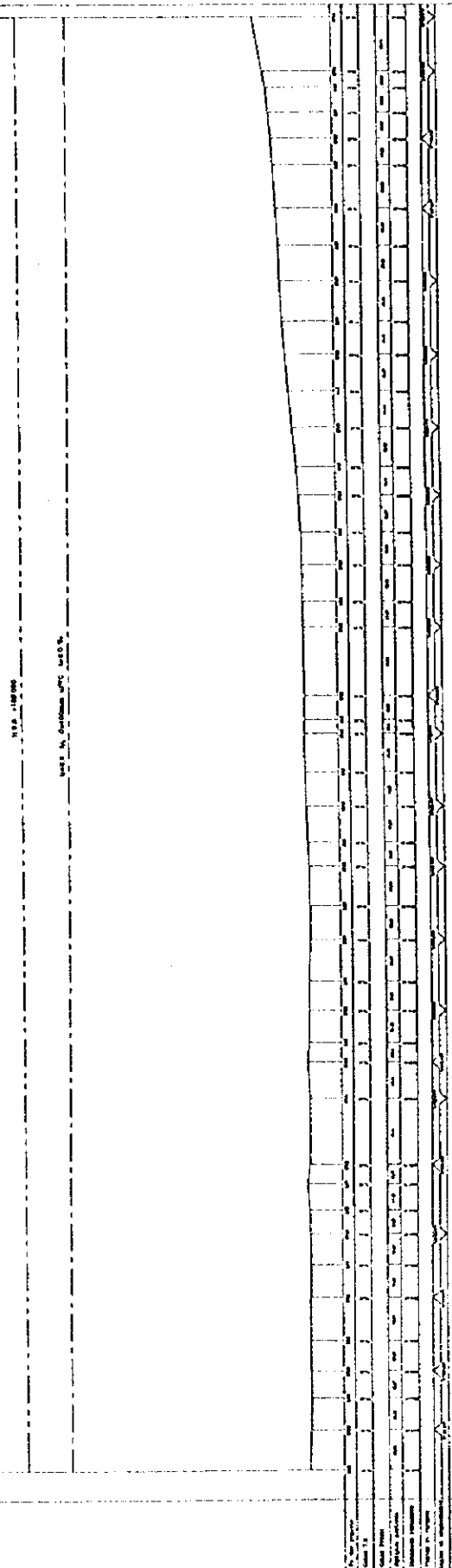
PLATE NO.



ROYAUME DU MAROC

ROYAUME DU MAROC

ROYAUME DU MAROC



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route F (4/6)**

DATE 08/05/19 DWG. NO. PRP-AJ-PRO-604  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

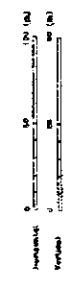
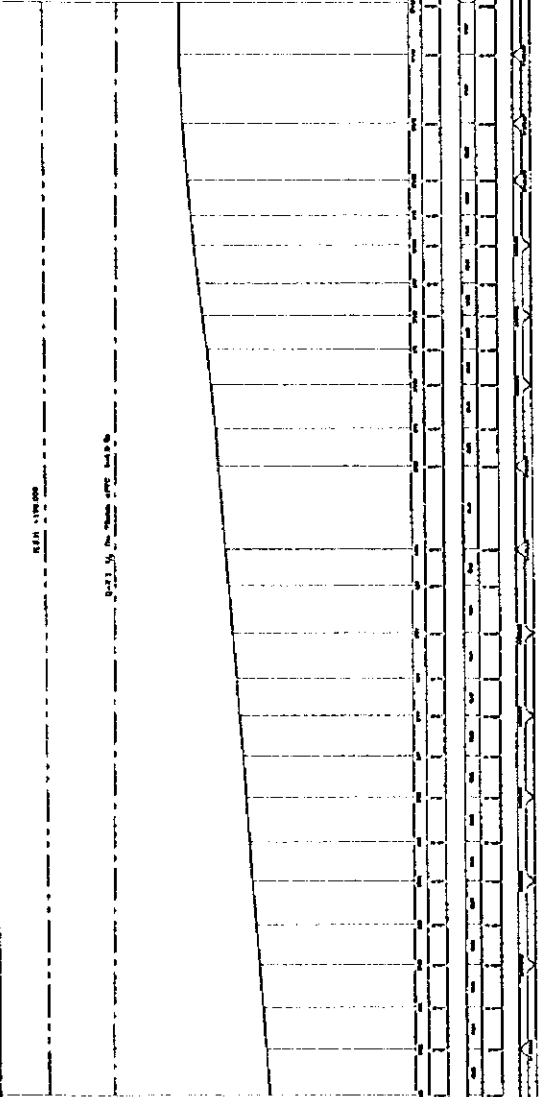
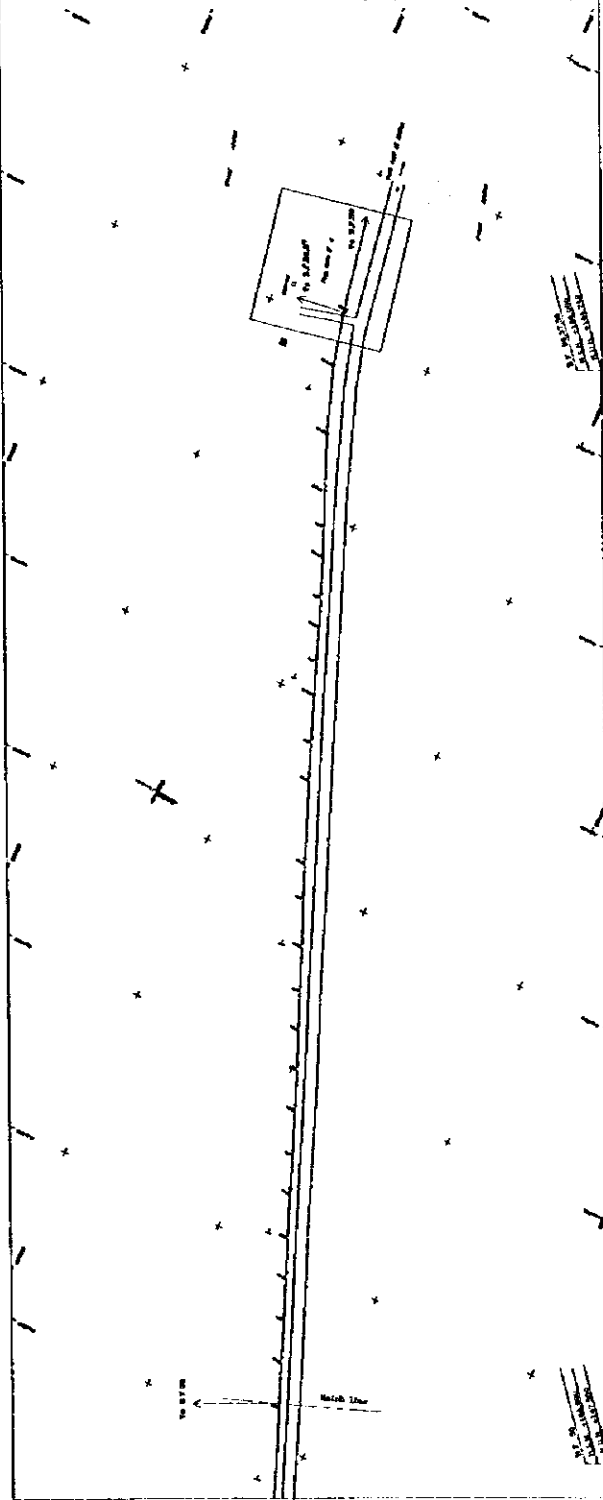
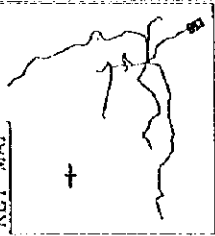
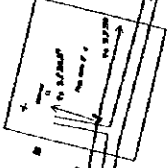


PLATE NO.

KEY MAP



SCALE 1:1000

PROF. OF WATER SUPPLY LINE

DATE	96/05/19	DWG. NO.	PRF-AD-PKO-006
NIPPON KOEI CO., LTD. TOKYO JAPAN			

KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

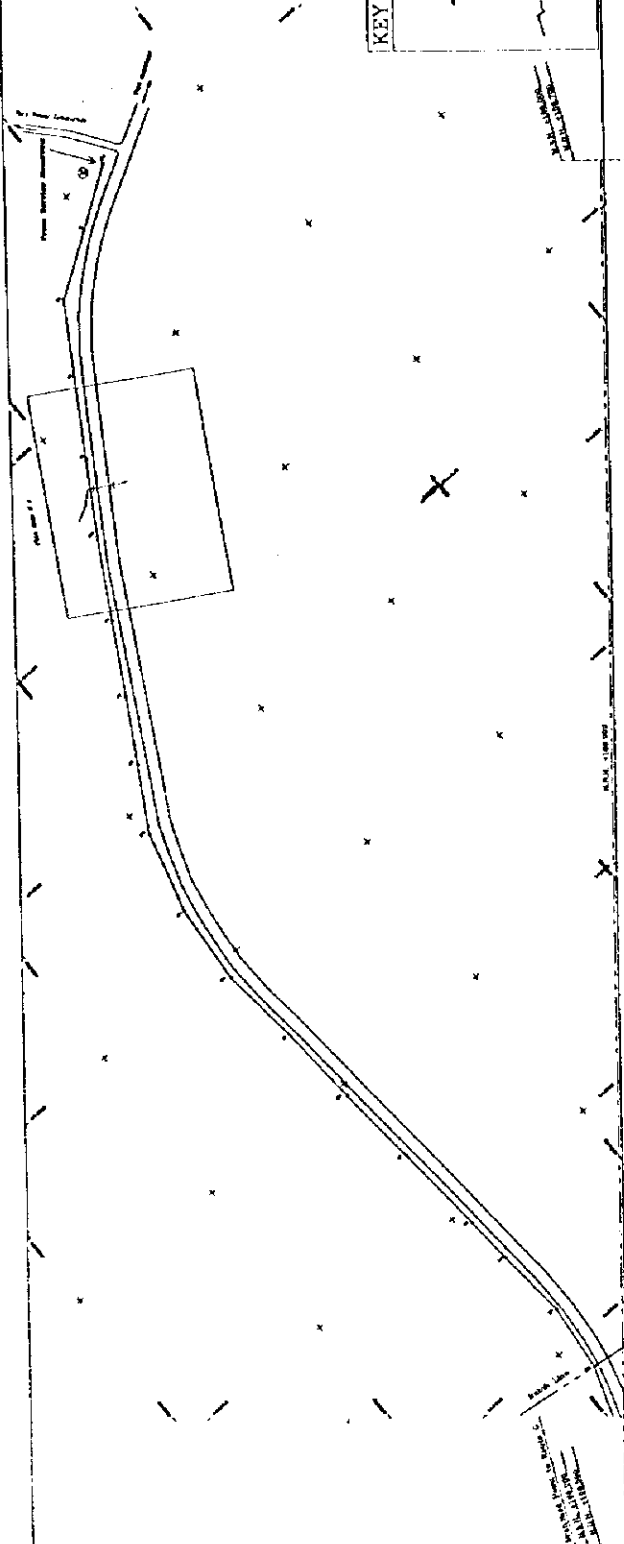
TITLE OF DRAWING

Profil d'Ain Defali route F (6/6)

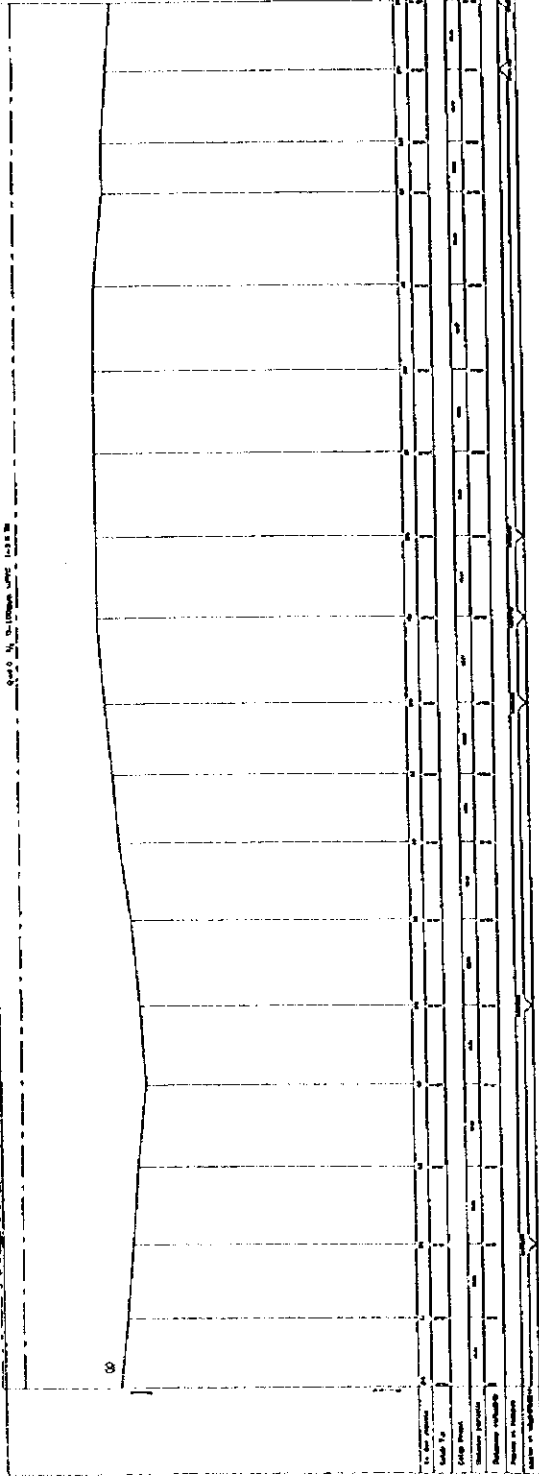




PLATE NO.



KEY MAP

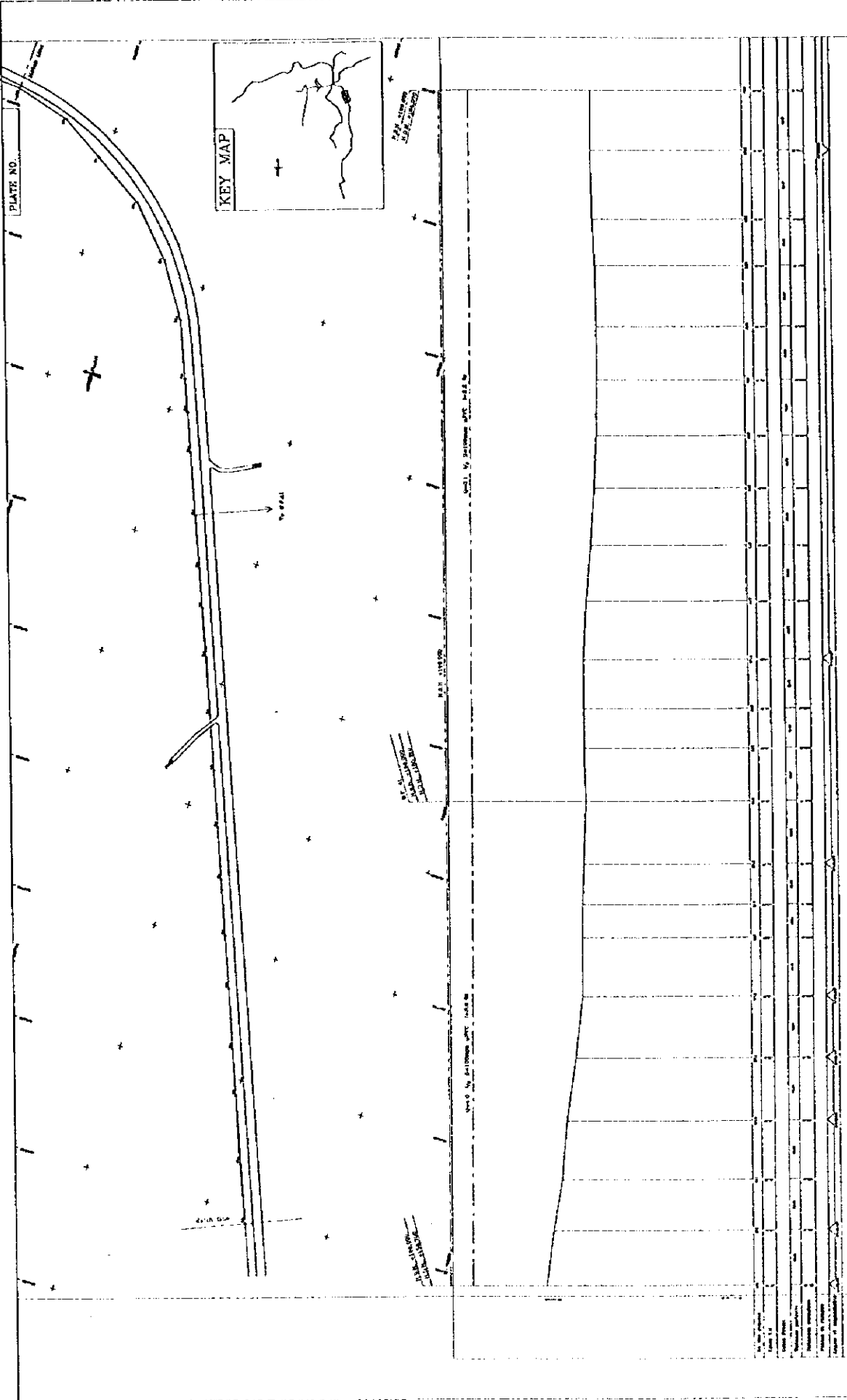


KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route G (1/14)**

DATE 08/06/19 DWG. NO. PRF-AD-PRO-703  
 NIPPON KOEI CO., LTD. TOKYO JAPAN





KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING

Profil d'Ain Defaji route G (2/14)

DATE 06/05/79 DWG. NO PRF-AD-PRO-702  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

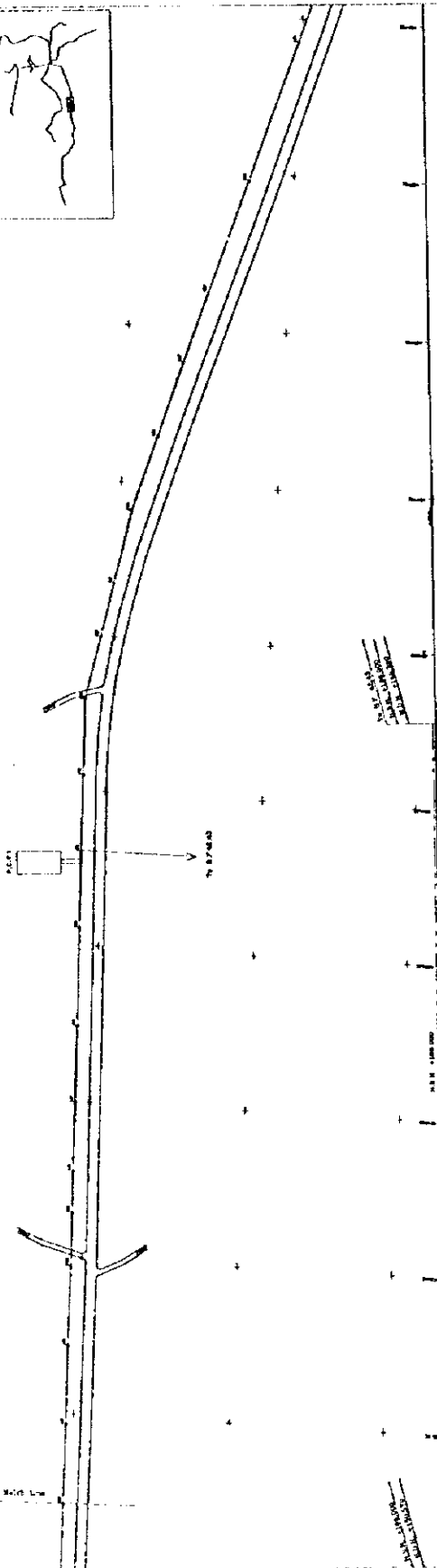
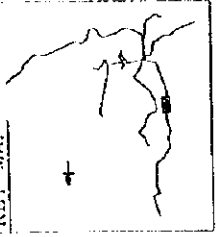
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 Date: 06/05/79  
 Drawing No: PRF-AD-PRO-702





PLATE NO.

KEY MAP



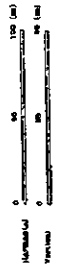
Scale: 1:10,000

Scale: 1:10,000

Scale: 1:10,000

Scale: 1:10,000

Project No.	
Sheet No.	
Date	
Scale	
Author	
Checked	
Approved	
Project Engineer	
Scale of reduction	
Remarks on plan	



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING

Profil d'Ain Defali route G (S/14)

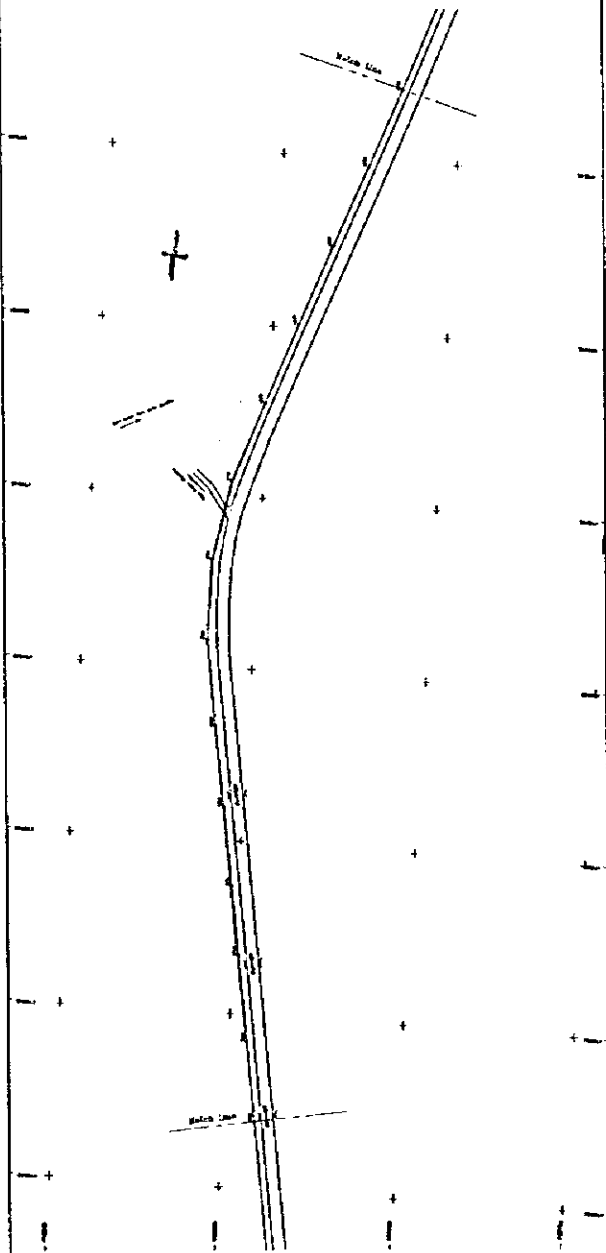
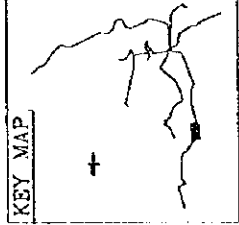
DATE: '98/06/19 DWG. NO.: PRP-AD-PRO-705  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



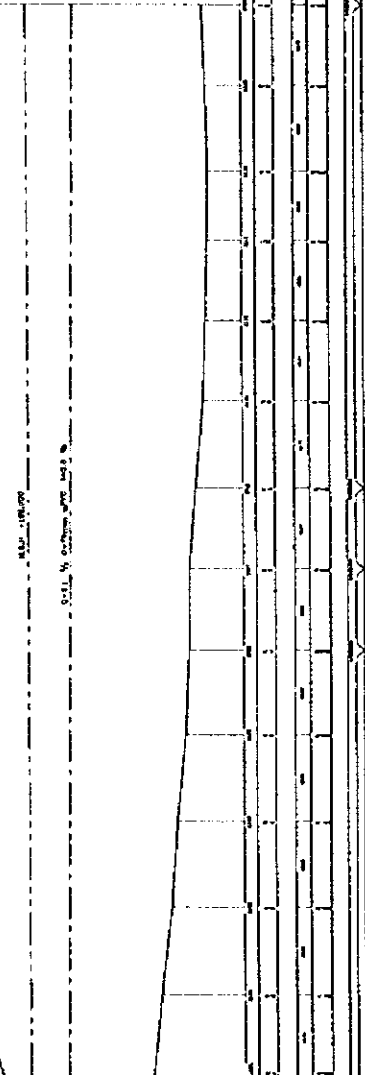


PLATE NO.

KEY MAP



PLAN VIEW  
SCALE 1:1000



PROFILE VIEW  
SCALE 1:1000

VERTICAL CURVE  
SCALE 1:1000



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Defali route G (8/14)**

DATE 98/05/19 DWG NO PRP-AO-PRO-706  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



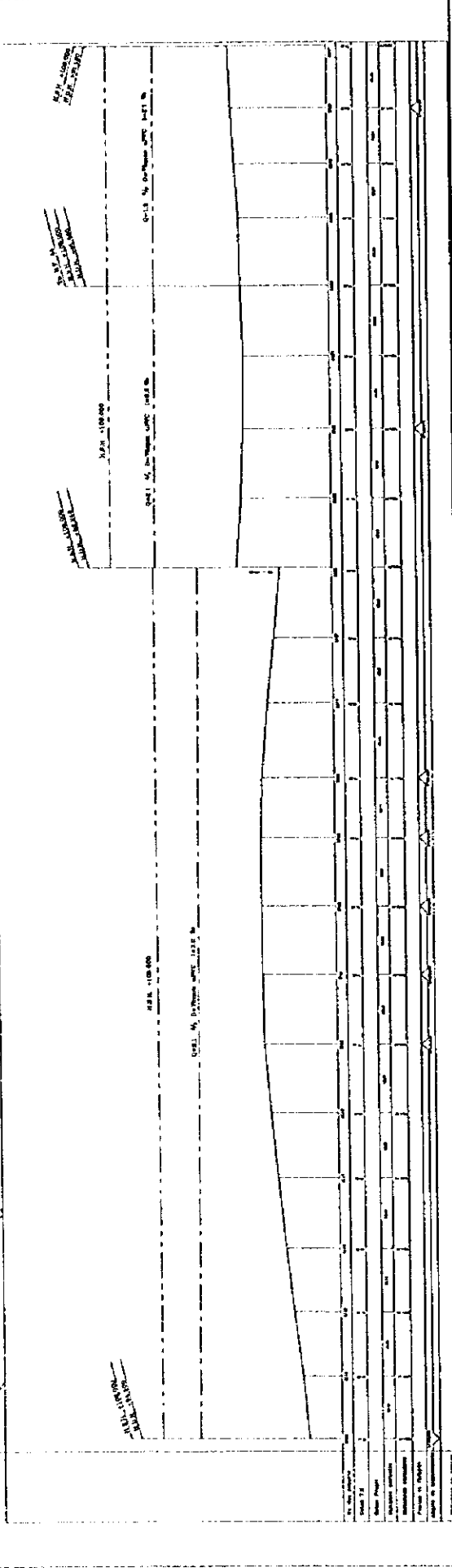
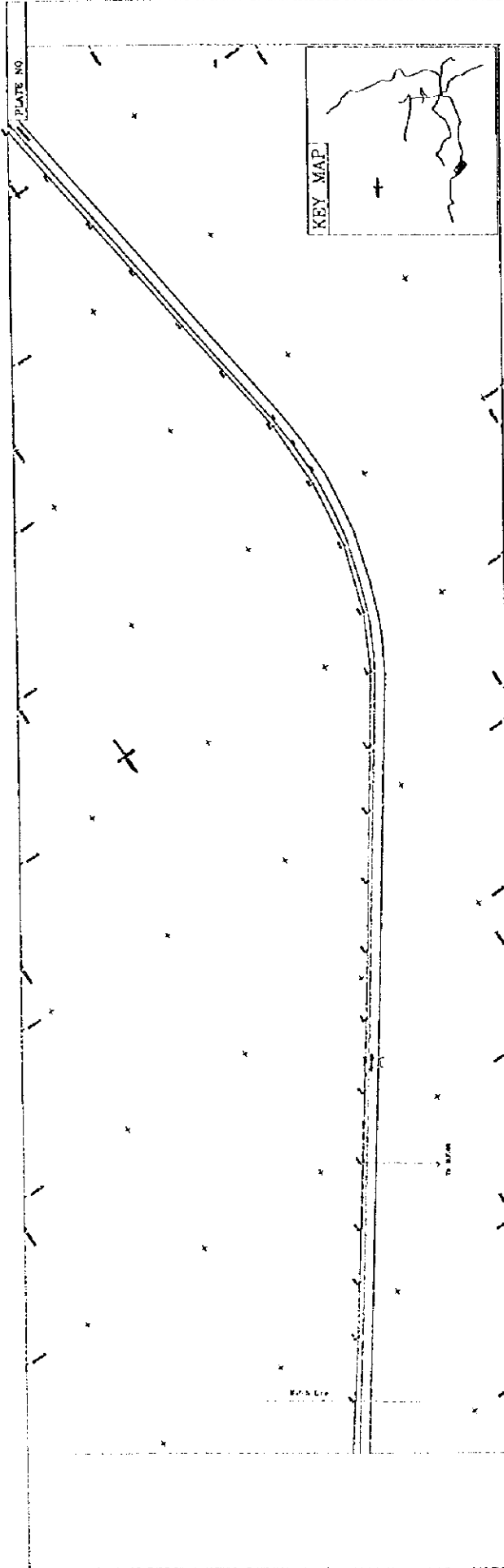


PLATE NO.

KEY MAP

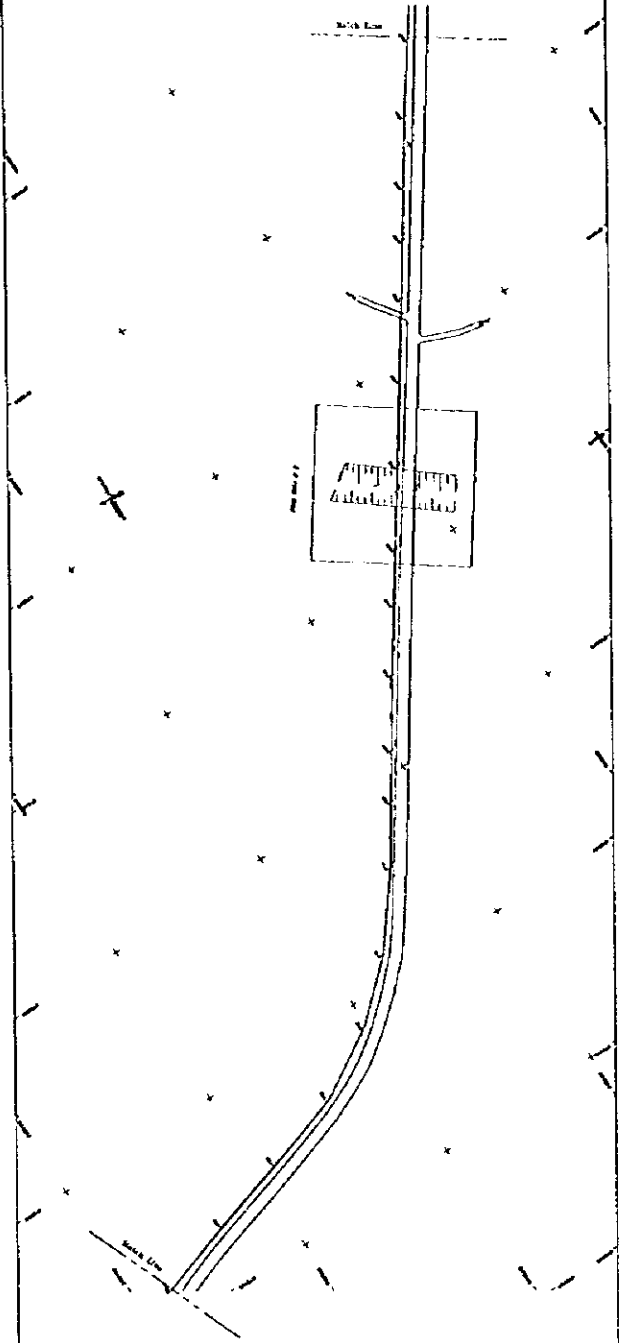
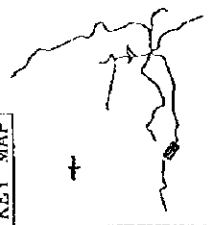
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

PROFILE OF DRAWING  
**Profils d'Ain Defali route G (9/14)**

DATE: 08/09/19 DWG. NO. PRF-AD-PRO-709  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

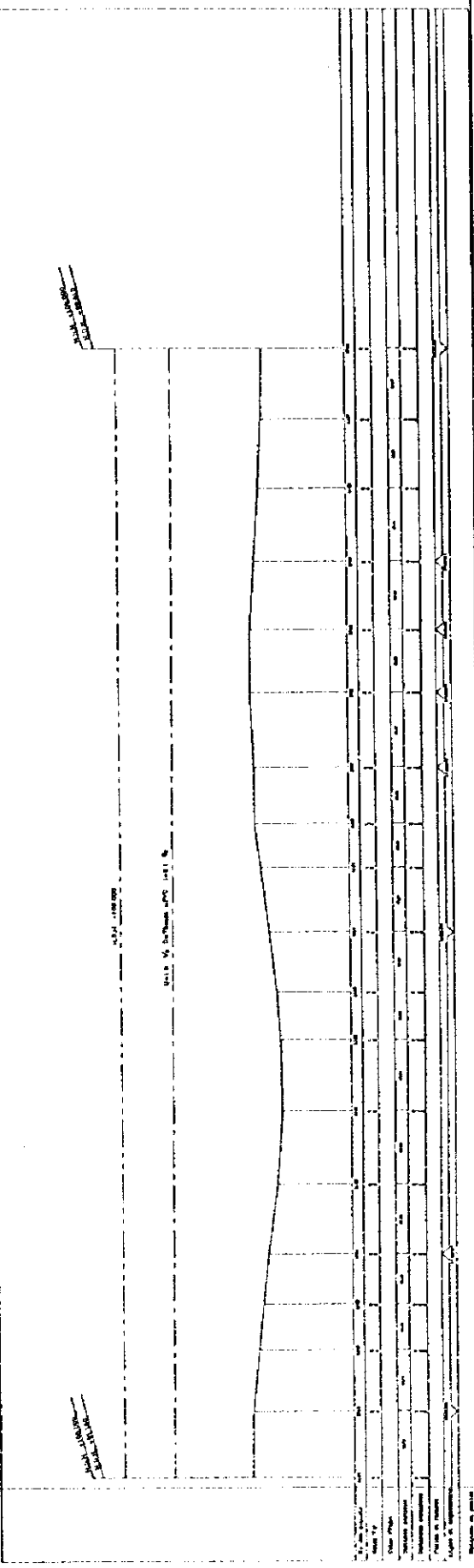
KEY MAP



Scale 1:1000

Scale 1:1000

Scale 1:1000



KINGDOM OF MOROCCO  
THE PROJECT FOR RURAL WATER SUPPLY  
IN THE PRE-RIF REGION  
TITLE OF DRAWING

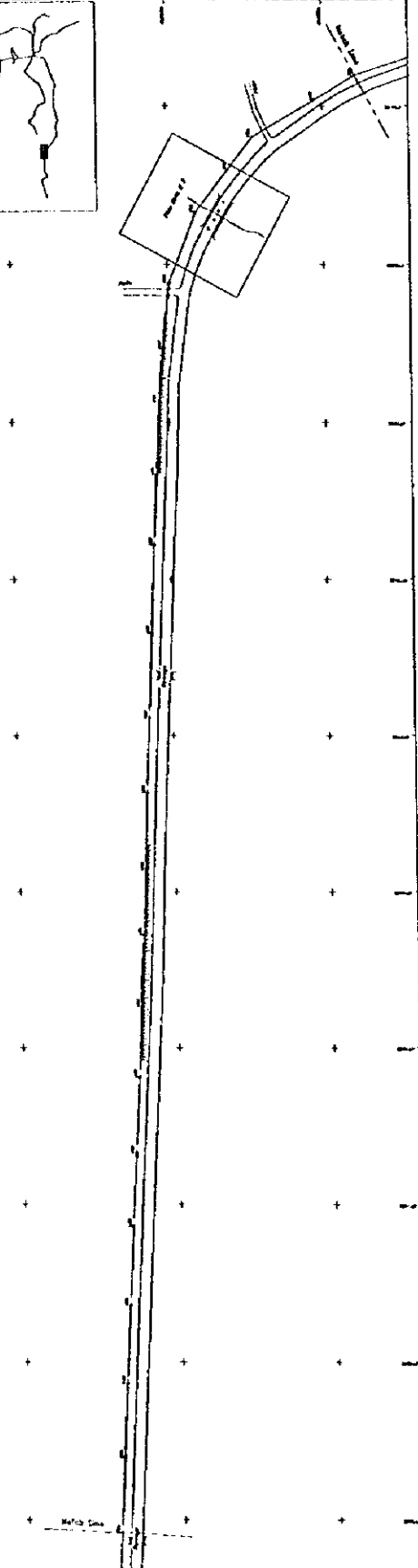
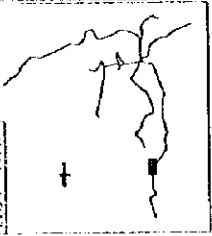
Profil d'Ain Defali route G (10/14)

DATE 96/08/19 DWG NO PRP-AD-PRO-710  
NIPPON KOEI CO., LTD. TOKYO JAPAN

Scale 1:1000  
Scale 1:1000  
Scale 1:1000

PLATE NO.

KEY MAP



DATE: 1980/05/19

SCALE: 1:1000

UNIT: METERS

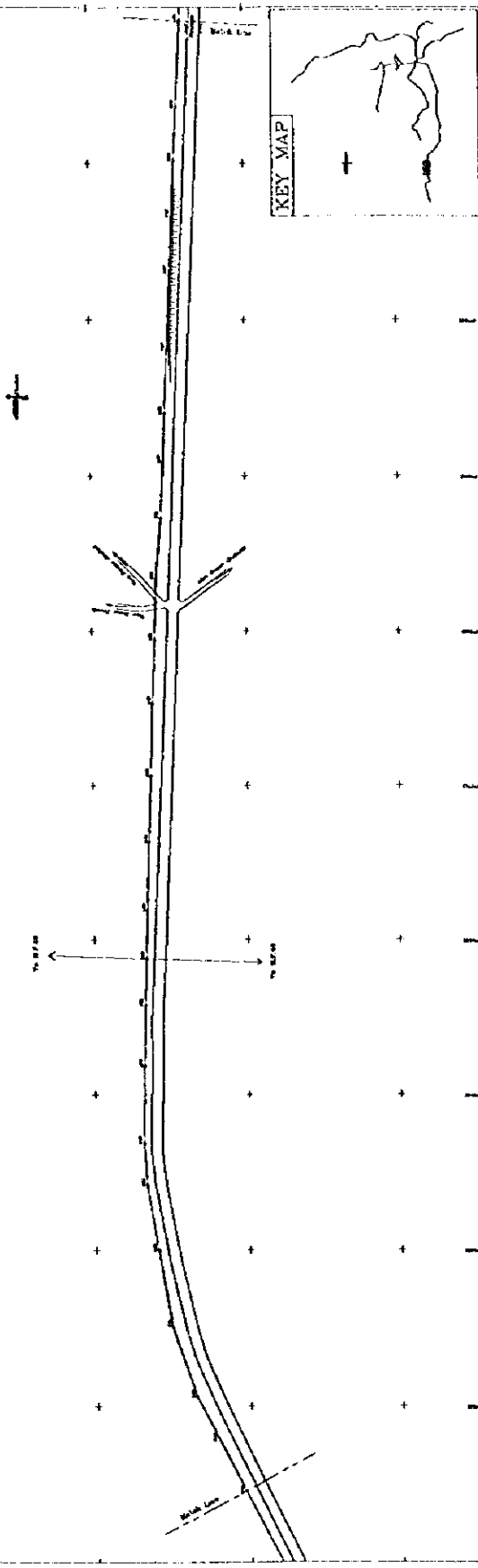
VERTICAL CURVE DATA

Stationing	Ground Level (m)	Proposed Road Level (m)	Grade (%)	Vertical Curve Data
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0+10	100.00	100.00	0.00	
0+20	100.00	100.00	0.00	
0+30	100.00	100.00	0.00	
0+40	100.00	100.00	0.00	
0+50	100.00	100.00	0.00	
0+60	100.00	100.00	0.00	
0+70	100.00	100.00	0.00	
0+80	100.00	100.00	0.00	
0+90	100.00	100.00	0.00	
1+00	100.00	100.00	0.00	
1+10	100.00	100.00	0.00	
1+20	100.00	100.00	0.00	
1+30	100.00	100.00	0.00	
1+40	100.00	100.00	0.00	
1+50	100.00	100.00	0.00	
1+60	100.00	100.00	0.00	
1+70	100.00	100.00	0.00	
1+80	100.00	100.00	0.00	
1+90	100.00	100.00	0.00	
2+00	100.00	100.00	0.00	
2+10	100.00	100.00	0.00	
2+20	100.00	100.00	0.00	
2+30	100.00	100.00	0.00	
2+40	100.00	100.00	0.00	
2+50	100.00	100.00	0.00	
2+60	100.00	100.00	0.00	
2+70	100.00	100.00	0.00	
2+80	100.00	100.00	0.00	
2+90	100.00	100.00	0.00	
3+00	100.00	100.00	0.00	
3+10	100.00	100.00	0.00	
3+20	100.00	100.00	0.00	
3+30	100.00	100.00	0.00	
3+40	100.00	100.00	0.00	
3+50	100.00	100.00	0.00	
3+60	100.00	100.00	0.00	
3+70	100.00	100.00	0.00	
3+80	100.00	100.00	0.00	
3+90	100.00	100.00	0.00	
4+00	100.00	100.00	0.00	
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4+20	100.00	100.00	0.00	
4+30	100.00	100.00	0.00	
4+40	100.00	100.00	0.00	
4+50	100.00	100.00	0.00	
4+60	100.00	100.00	0.00	
4+70	100.00	100.00	0.00	
4+80	100.00	100.00	0.00	
4+90	100.00	100.00	0.00	
5+00	100.00	100.00	0.00	
5+10	100.00	100.00	0.00	
5+20	100.00	100.00	0.00	
5+30	100.00	100.00	0.00	
5+40	100.00	100.00	0.00	
5+50	100.00	100.00	0.00	
5+60	100.00	100.00	0.00	
5+70	100.00	100.00	0.00	
5+80	100.00	100.00	0.00	
5+90	100.00	100.00	0.00	
6+00	100.00	100.00	0.00	
6+10	100.00	100.00	0.00	
6+20	100.00	100.00	0.00	
6+30	100.00	100.00	0.00	
6+40	100.00	100.00	0.00	
6+50	100.00	100.00	0.00	
6+60	100.00	100.00	0.00	
6+70	100.00	100.00	0.00	
6+80	100.00	100.00	0.00	
6+90	100.00	100.00	0.00	
7+00	100.00	100.00	0.00	
7+10	100.00	100.00	0.00	
7+20	100.00	100.00	0.00	
7+30	100.00	100.00	0.00	
7+40	100.00	100.00	0.00	
7+50	100.00	100.00	0.00	
7+60	100.00	100.00	0.00	
7+70	100.00	100.00	0.00	
7+80	100.00	100.00	0.00	
7+90	100.00	100.00	0.00	
8+00	100.00	100.00	0.00	
8+10	100.00	100.00	0.00	
8+20	100.00	100.00	0.00	
8+30	100.00	100.00	0.00	
8+40	100.00	100.00	0.00	
8+50	100.00	100.00	0.00	
8+60	100.00	100.00	0.00	
8+70	100.00	100.00	0.00	
8+80	100.00	100.00	0.00	
8+90	100.00	100.00	0.00	
9+00	100.00	100.00	0.00	
9+10	100.00	100.00	0.00	
9+20	100.00	100.00	0.00	
9+30	100.00	100.00	0.00	
9+40	100.00	100.00	0.00	
9+50	100.00	100.00	0.00	
9+60	100.00	100.00	0.00	
9+70	100.00	100.00	0.00	
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9+90	100.00	100.00	0.00	
10+00	100.00	100.00	0.00	

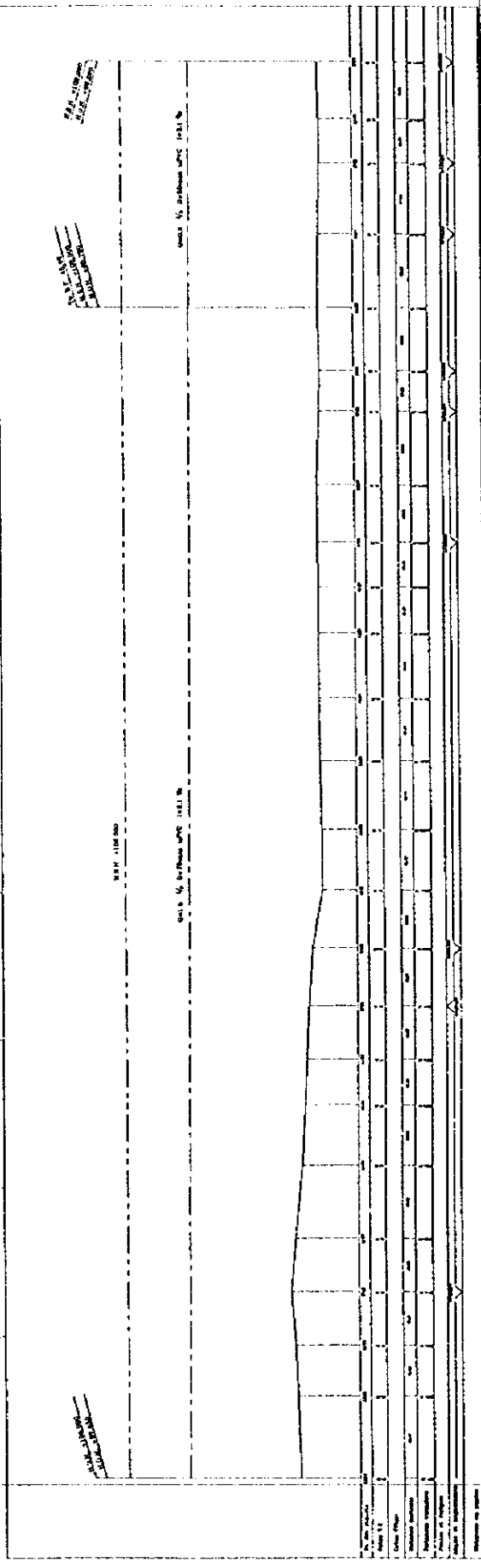
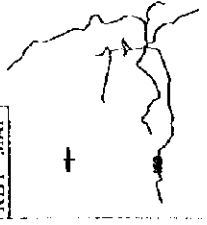
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil d'Am Defail route G (11/14)**  
 DATE: 08/05/19 | DWG. NO. | PEP-AD-PRO-711  
 NIPPON KOEI CO., LTD. TOKYO JAPAN



PLATE NO.

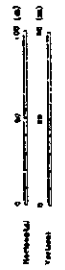


KEY MAP



DATE: 1986/06/19  
 DRAWING NO.: 100-AD-PRO-712

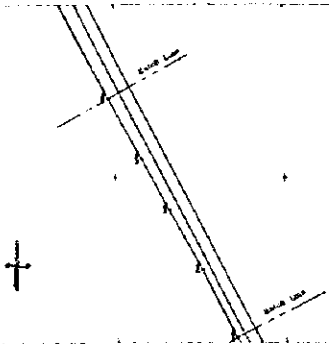
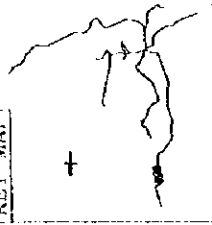
DATE: 1986/06/19  
 DRAWING NO.: 100-AD-PRO-712



KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION  
 TITLE OF DRAWING  
**Profil d'Ain Deflah route G (12/14)**  
 DATE: 1986/06/19 | DWG. NO. 100-AD-PRO-712  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



Vertical Curve  
Grade 1.00%

Grade 1.00%

Grade 1.00%

Project Name	
Client	
Contract No.	
Scale	
Sheet No.	
Total Sheets	
Author	
Checked	
Approved	



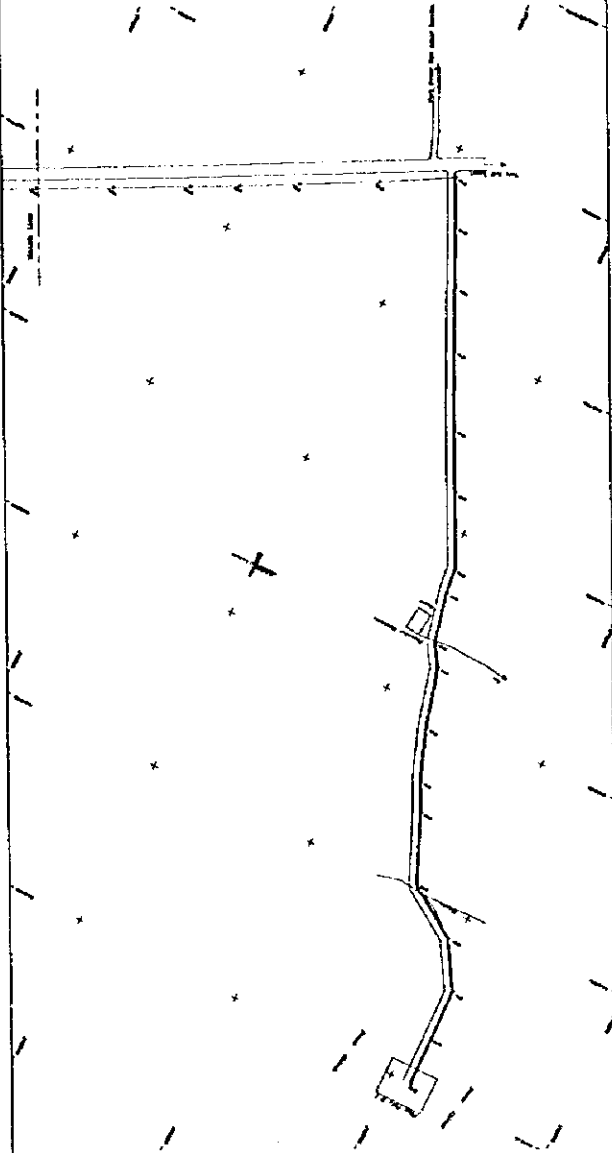
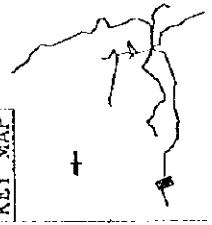
KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Am Defaili route G (13/14)**

DATE 06/05/19 Dwg. NO. PNF-AD-PNO-713  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

PLATE NO.

KEY MAP



DATE: 98/05/19  
DRAWN BY: [Name]  
CHECKED BY: [Name]

SCALE: 1:1000

VERTICAL CURVE DATA

DATE: 98/05/19  
DRAWN BY: [Name]  
CHECKED BY: [Name]

KINGDOM OF MOROCCO  
 THE PROJECT FOR RURAL WATER SUPPLY  
 IN THE PRE-RIF REGION

TITLE OF DRAWING  
**Profil d'Ain Deflah route G (14/14)**

DATE: 98/05/19 DWG. NO: PRP-AD-PR0-714  
 NIPPON KOEI CO., LTD. TOKYO JAPAN

Scale: 1:1000  
 0 100 200  
 Meter

**Volume des travaux approximatif de chaque site**

Zone	Diamètre (mm)										Borne Fontain	Reservoir pour la réduction de pression	Traversée de rivière	Bac de répartition	Puits de Jonction			
	Tube en fer galvanisé					Tuyau en PVC										Tuyau en PEP		
	125	75	65	50	400	200	150	125	100	75						50	63	40
El. Bibane	0	0	82	0	0	0	0	0	185	310	309	21	303	286	217	6	0	0
Route A																		
Route B																		
Calcul	0	0	82	0	0	0	0	0	185	310	309	151	485	615	778	10	2	1
Ain Defali	1,950	340	0	400														
Common Route					1,484													
A Route					0	0	0	900	2,800	0	2,000	0	0	0	150	6	0	0
B Route					0	0	0	0	0	0	0	0	0	0	200	2	0	0
C-1Route					0	0	1,661	0	0	0	0	0	0	0	0	0	0	0
C Route					0	0	0	408	2,730	2,218	0	0	0	1,200	900	10	1	2
D Route					0	6,109	2,323	3,255	2,805	0	0	0	0	0	1,150	14	1	0
E Route					0	0	0	0	0	0	2,696	0	0	0	600	1	0	0
F Route					0	0	0	4,390	633	0	0	0	0	0	1,675	7	0	2
G Route					0	0	0	3,883	6,531	0	2,602	0	0	0	3,775	7	4	1
Calcul	1,950	340	0	400	1,484	6,109	3,985	12,835	15,498	2,218	7,298	0	1,200	8,450	47	6	5	2
Teroual	0	0	2,000	0														
Common Route					0	484	307	0	0	0	0	0	0	0	0	0	0	0
Common Route2					0	0	0	0	307	0	0	0	0	0	0	0	1	0
Route A					0	0	2,010	0	3,222	1,937	2,457	1,282	0	900	11	5	2	
Route B					0	0	0	0	148	0	0	250	710	25	2	0	0	
Route C					0	0	0	0	0	0	0	0	0	600	1	0	0	
Route D					0	0	0	0	283	1,199	0	0	0	625	2	2	0	
Calcul	0	0	2,000	0	0	484	2,317	0	3,960	3,136	2,457	1,533	710	2,150	16	8	2	









JICA