

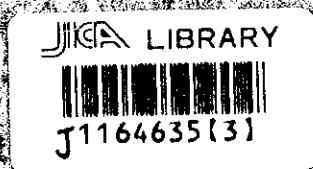
AGENCE JAPONAISE DE COOPERATION INTERNATIONALE (JICA)  
DIRECTION GÉNÉRALE  
DU GÉNIE RURAL  
MINISTÈRE DE L'AGRICULTURE  
RÉPUBLIQUE TUNISIENNE

**ÉTUDE DE CONCEPTION DÉTAILLÉE  
POUR  
LE PROJET D'APPROVISIONNEMENT EN EAU DES  
ZONES RURALES  
EN RÉPUBLIQUE TUNISIENNE**

**RAPPORT FINAL  
VOLUME III RAPPORT DE CONCEPTION DÉTAILLÉE**

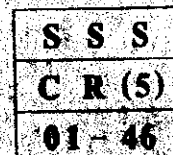
**PARTIE 2 PLANS DE PROFIL**

**GOUVERNORAT MAHDIA  
RAPPORT SUR COMPLEXE EL AITHA**



MARS 2001

**NIPPON KOEI CO., LTD.  
TAIYO CONSULTANTS CO., LTD.**





**AGENCE JAPONAISE DE COOPERATION INTERNATIONALE(JICA)  
DIRECTION GÉNÉRALE  
DU GÉNIE RURAL  
MINISTÈRE DE L'AGRICULTURE  
RÉPUBLIQUE TUNISIENNE**

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POUR  
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ZONES RURALES  
EN RÉPUBLIQUE TUNISIENNE**

**RAPPORT FINAL  
VOLUME III RAPPORT DE CONCEPTION DÉTAILLÉE**

**PARTIE 2 PLANS DE PROFIL**

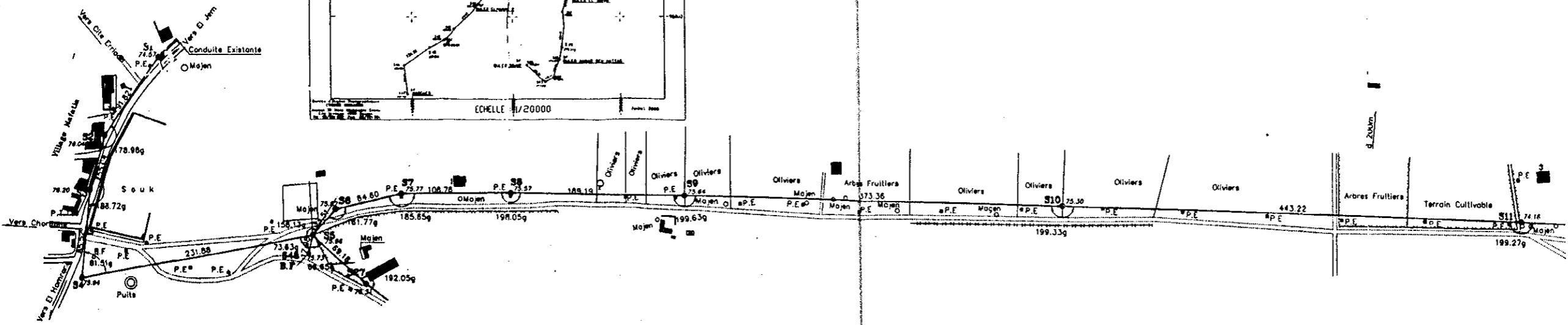
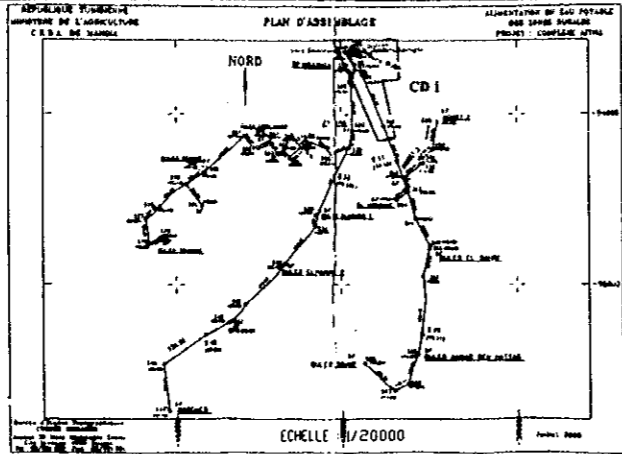
**GOUVERNORAT MAHDIA  
RAPPORT SUR COMPLEXE EL AITHA**

**MARS 2001**

**NIPPON KOEI CO.,LTD.  
TAIYO CONSULTANTS CO.,LTD.**

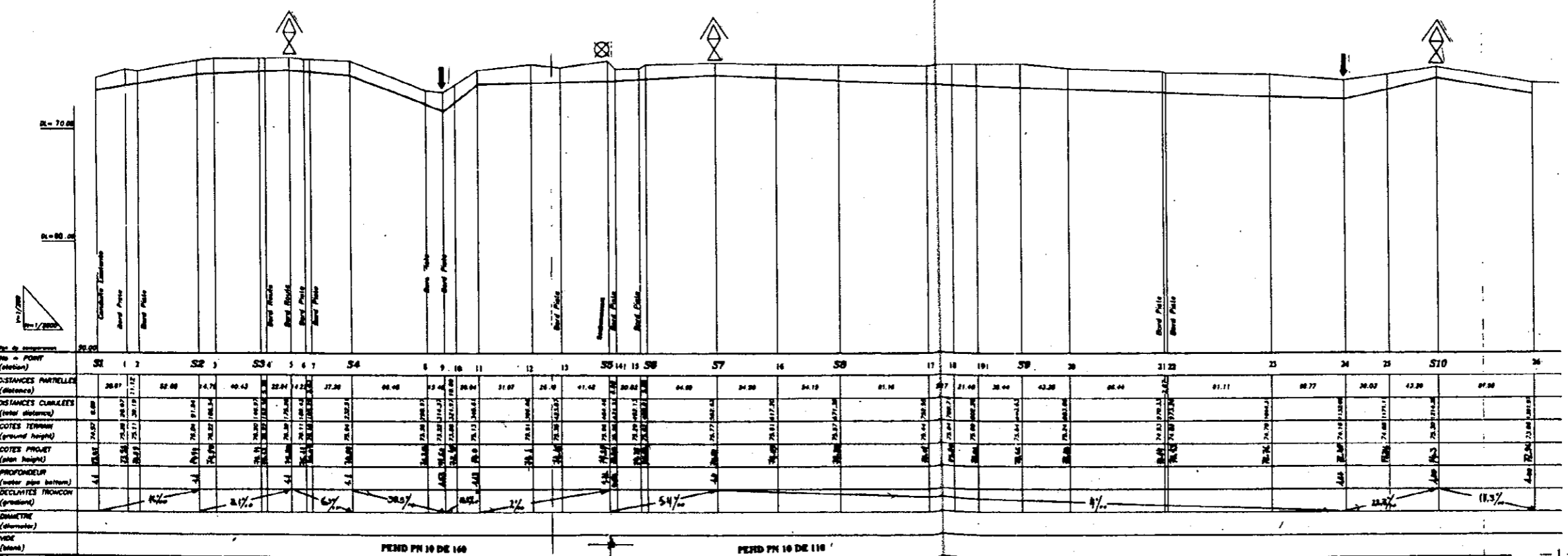


**1164635[3]**

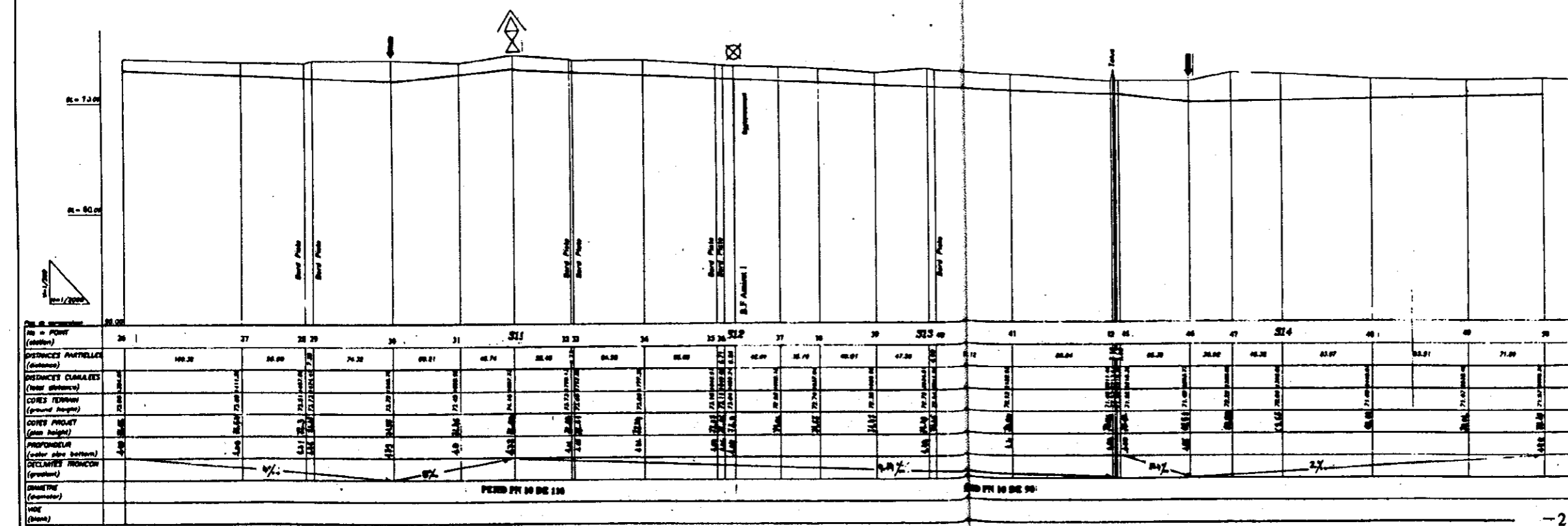
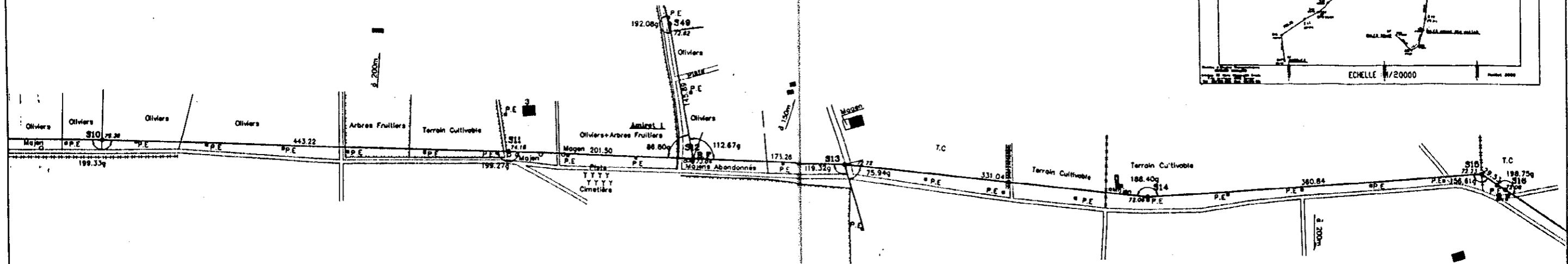
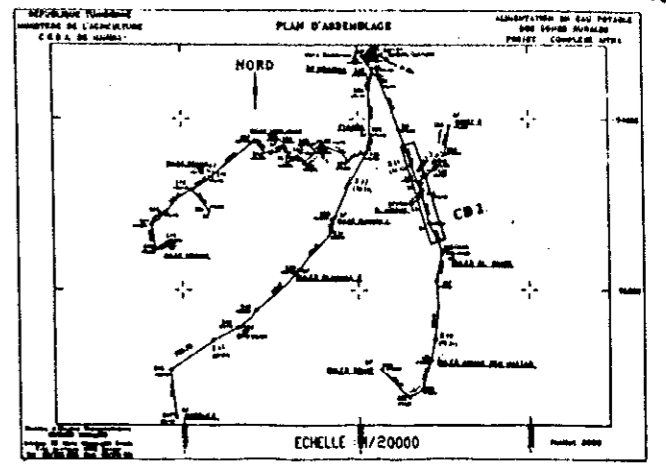


LEGENDE

Σ	Sommet
⚡	Poteau Électrique
—	Traverse Aérien
—	Ligne Électrique
—	Prise Téléphonique
B.P.	Borne Fontaine
—	Écoulement
—	Piste
—	Coctus
—	Talus
T.C	Terrain Cultivable
+	Point de Base
—	Distance entre bornes
∠	Angle Sommet
■	Construction Existente
—	Route
+	Piquet
⚡	Cimelière



REPUBLIQUE TUNISIENNE MINISTÈRE DE L'AGRICULTURE C.R.D.A. DE NABDAL	
PLAN No CD1	PROJET : COMPLEXE AITHA
REVISION:	BOSSIER D'EXECUTION
CONTROLÉ:	ALIMENTATION EN EAU POTABLE DES ZONES RURALES
ECHELLE: 1/2000	
DATE: JUILLET 1990	TRACÉ EN PLAN ET PROFIL EN LONG
CONSEILS:	REPUBLIQUE TUNISIENNE MINISTÈRE DE L'AGRICULTURE C.R.D.A. DE NABDAL T.N. 23/21282 T.N. 23/21282



LEGENDE

Σ	Sommet
PE	Poteau Electrique
Tr	Traverse Adria
---	Ligne Electrique
PT	Poteau Telephonique
S.P.	Bornes Fontaine
---	Boulevement
---	Pavé
---	Carreaux
---	Talus
T.C.	Terrain Cultivable
+	Point de Base
---	Distance entre Sommet
∧	Angle Sommet
---	Construction Existante
---	Route
---	Plaque
---	Cimetière

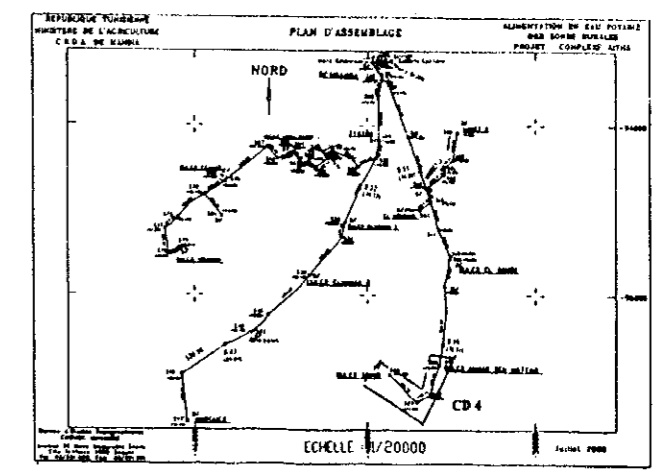
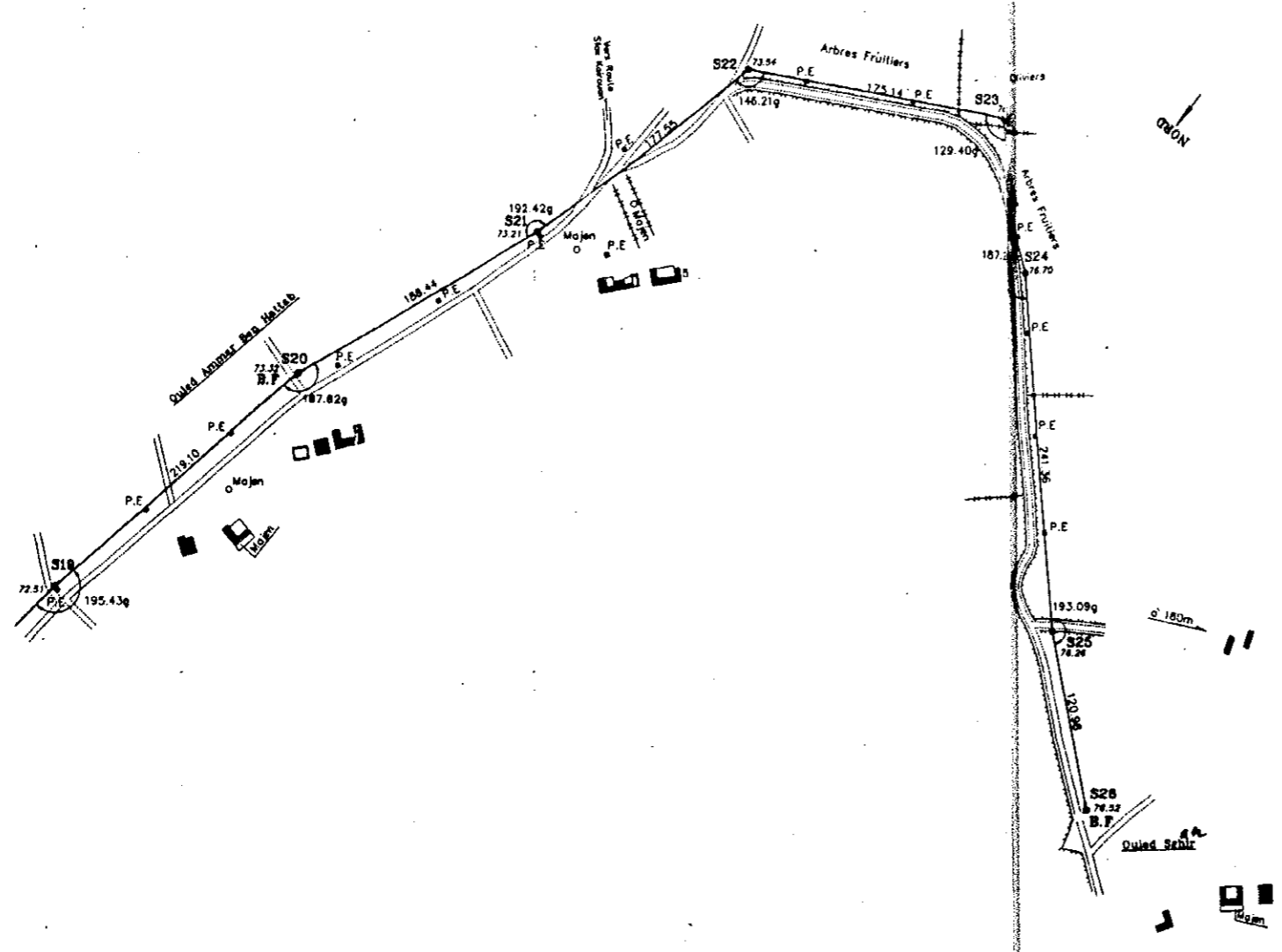
St. de Station	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
St. de Point (station)																										
DISTANCES ANTÉRIEURES (distances)	100.00	80.00	70.00	60.00	50.00	40.00	30.00	20.00	10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	130.00	140.00	150.00	160.00
DISTANCES CUMULÉES (Total distances)																										
COTES TERRAIN (ground height)	199.33g	199.27g	199.20g	199.10g	199.00g	198.90g	198.80g	198.70g	198.60g	198.50g	198.40g	198.30g	198.20g	198.10g	198.00g	197.90g	197.80g	197.70g	197.60g	197.50g	197.40g	197.30g	197.20g	197.10g	197.00g	
COTES PROJET (plan height)	199.33g	199.27g	199.20g	199.10g	199.00g	198.90g	198.80g	198.70g	198.60g	198.50g	198.40g	198.30g	198.20g	198.10g	198.00g	197.90g	197.80g	197.70g	197.60g	197.50g	197.40g	197.30g	197.20g	197.10g	197.00g	
PROFONDEUR (depth below bottom)																										
DECLIVITES PROCVON (gradient)																										
ANGLES (angles)																										
NOTE (note)																										

REPUBLIQUE TUNISIENNE  
MINISTRE DE L'AGRICULTURE  
C.E.A. de Sousse

PROJET: COMPLEXE ARIANA	PROJET: COMPLEXE ARIANA
DESIGN: SOCIETE PENCOURT	ALIMENTATION EN EAU POTABLE DES ZONES RURALES
CONTRÔLE: SOCIETE PENCOURT	TRACÉ DE PLAN ET PROFIL EN LONG
ECHELLE: 1/5000	DATE: Juin 2000
CONTRÔLE: SOCIETE PENCOURT	DATE: Juin 2000



PROFIL No: CD4 Echelle : 1 / 2000



No de arrosage	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	
Hauteur	72.51	72.15	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21
Distances Partielles	53.42	34.30	47.30	32.00	30.30	28.40	28.12	22.77	48.40	47.30	47.97	63.70	31.12	20.30	80.00	73.32	57.31	38.30	42.18	62.30	30.37		
Distances Cumulees																							
Cotes Terrain	72.51	72.15	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21
Cotes Projet	72.51	72.15	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21	72.21
Profondeur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Requêtes Tronçon																							
Diamètre																							
Remarque																							

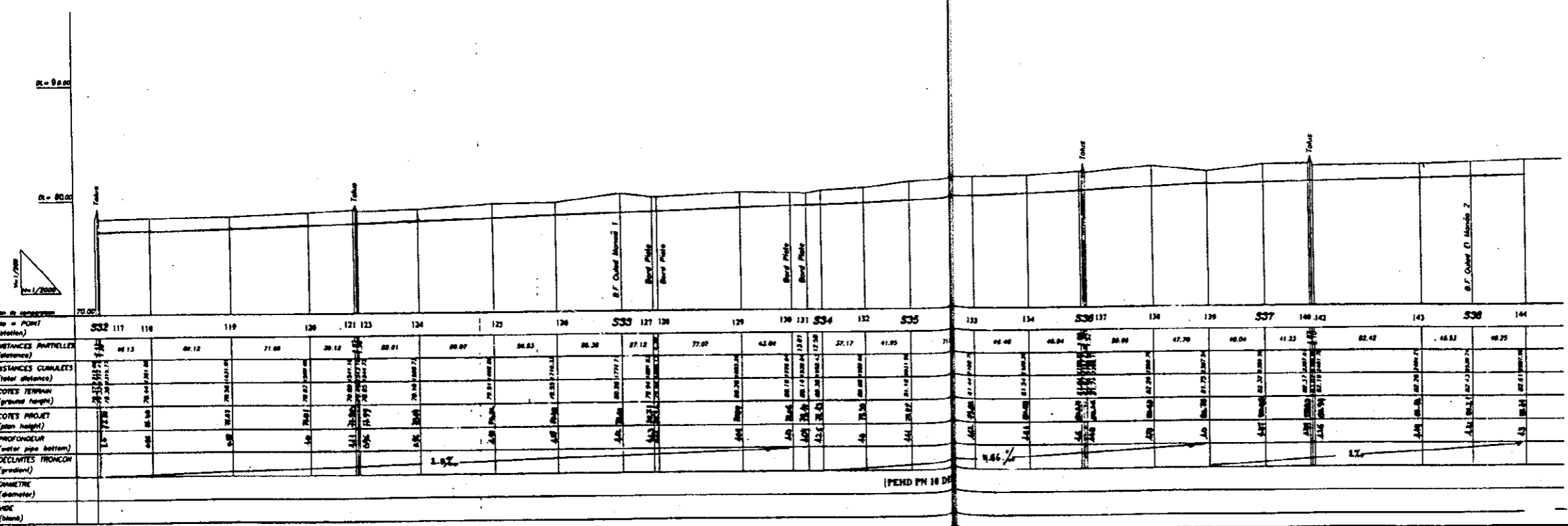
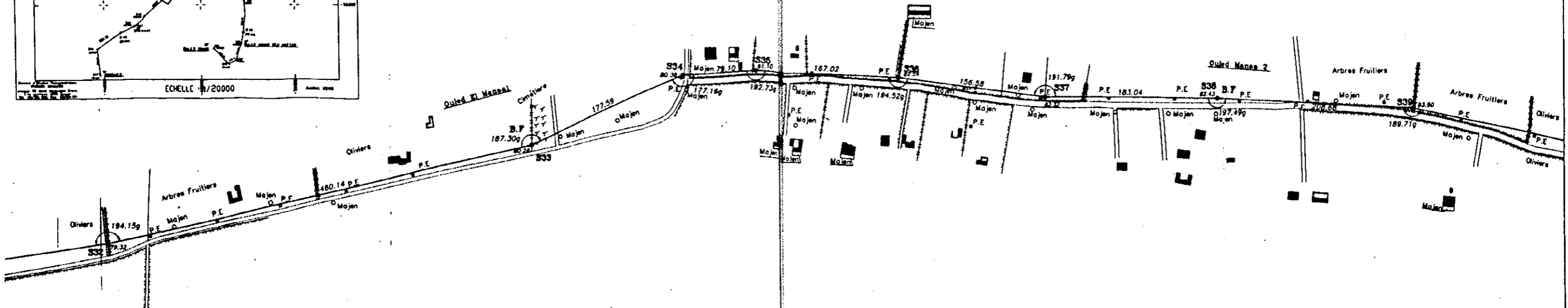
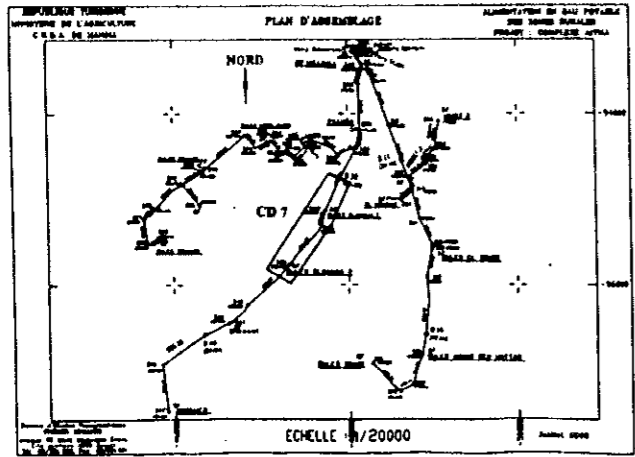
LEGENDE

Si	Sommet
PE	Pointe Electrique
T	Traverse Aérien
L	Ligne Electrique
PT	Pointe Téléphonique
B.P.	Borne Fontaine
—	Enroulement
—	Piste
—	Coctus
—	Talus
T.C.	Terrain Cultivable
*	Point de Base
—	Intercou entre Sommes
—	Angle Sommet
—	Construction Existante
—	Roue
—	Plaque
—	Cimetière

REPUBLIQUE TUNISIENNE  
 MINISTERE DE L'AGRICULTURE  
 S.C.B.A. DE SIDI BOUZID  
 PROJET : COMPLEXE AITHA  
 BOSSIER D'EXECUTION  
 ALIMENTATION EN EAU POTABLE  
 DES ZONES RURALES  
 ECHELLE : 1/2000  
 DATE : Juillet 2000  
 TITRE DU PLAN ET PROFIL EN LONG  
 CONTEILS :  
 ABRESSE :  
 10, 24, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100







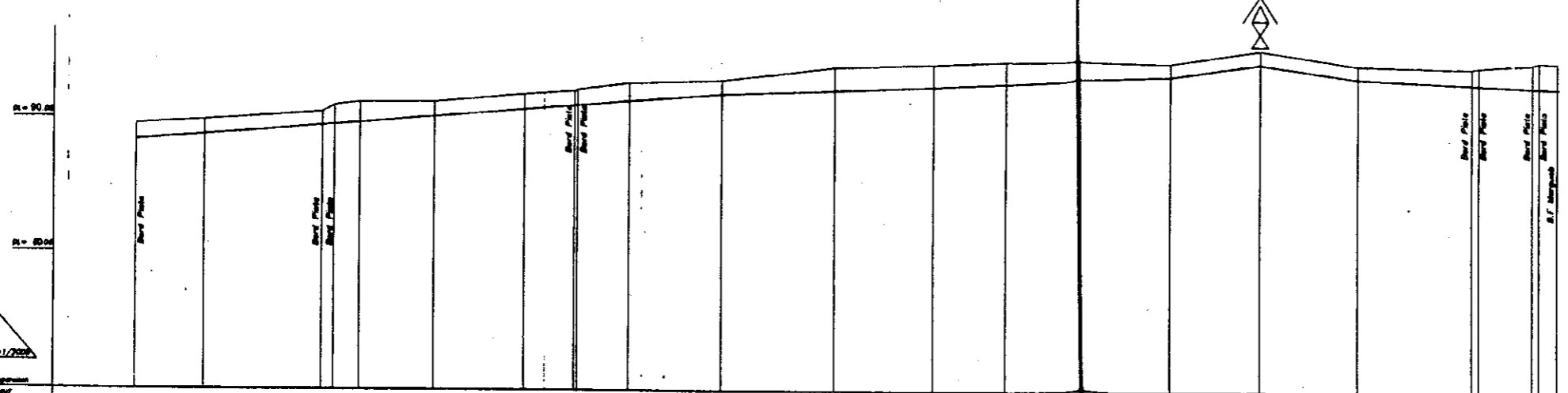
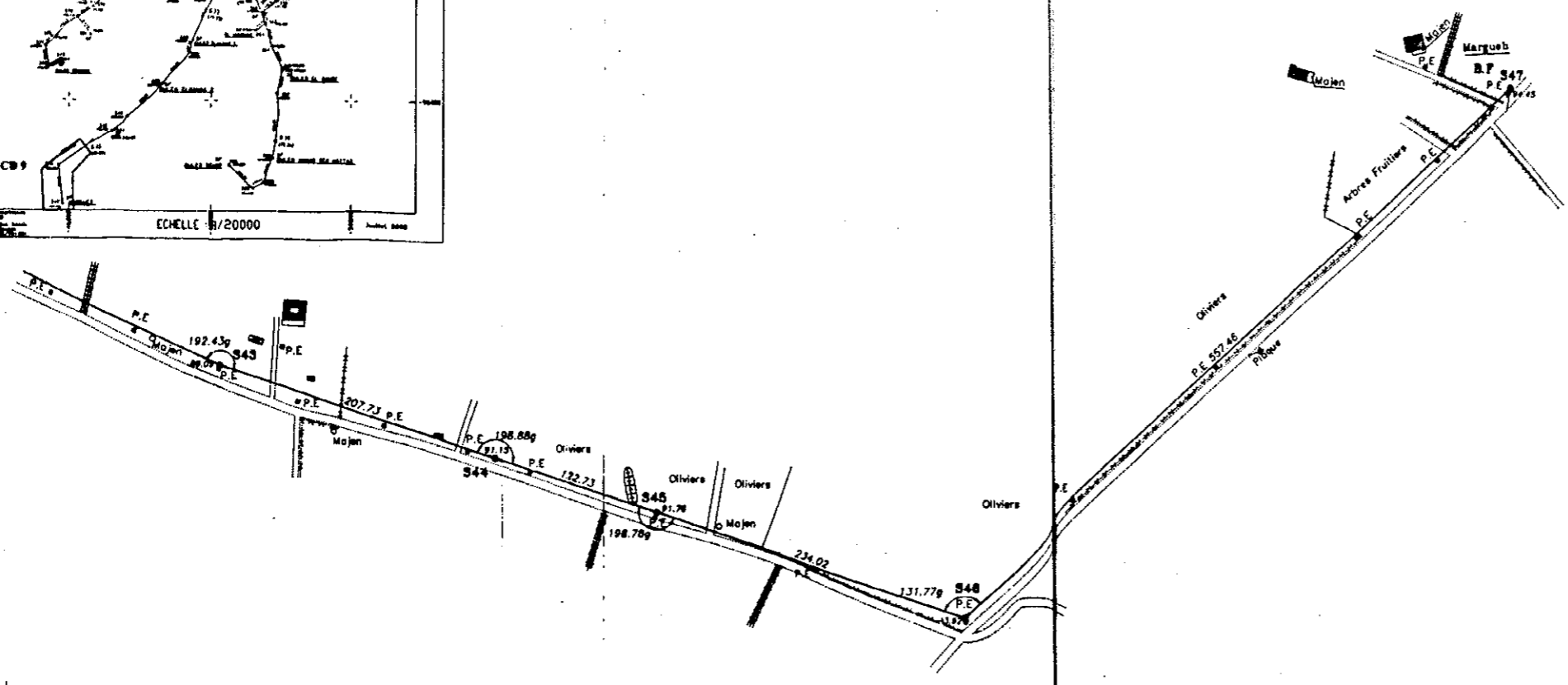
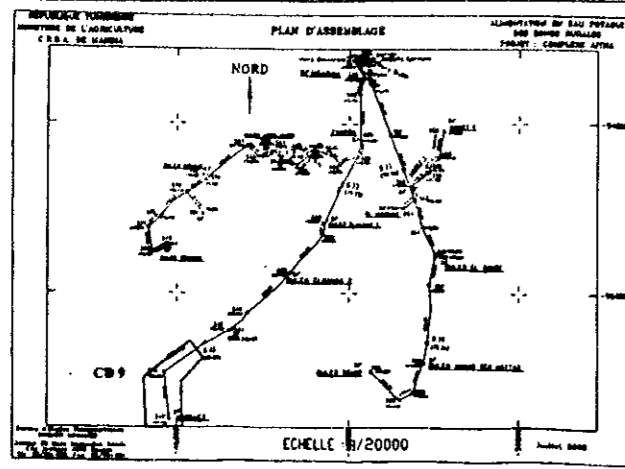
LEGENDE

Si	Sommet
P.E.	Poteau Electrique
T	Traverse Aérien
L	Ligne Electrique
P.T.P.	Poteau Téléphonique
B.P.	Borne Fontaine
—	Boulement
—	Piste
—	Cactus
—	Talus
T.C.	Terrain Cultivable
+	Point de Base
—	Distance entre Sommet
—	Angle Sommet
m	Construction Existante
—	Route
↑	Plaque
—	Cimplière

REPUBLIQUE TUNISIENNE MINISTÈRE DE L'AGRICULTURE C.R.A. DE MANJEB	
PLAN No CD 7	PROJET : COMPLEXE AÏTHA
MESSURE:	DESIGN: BREVETUÉ
CONTRÔLE:	ALIMENTATION EN EAU POTABLE DES ZONES RURALES
ECHELLE : 1/2000	DATE : JANVIER 2000
DATE :	ADRESSE :
CONCELS :	



PROFIL No: CD9 Echelle : 1 / 2000



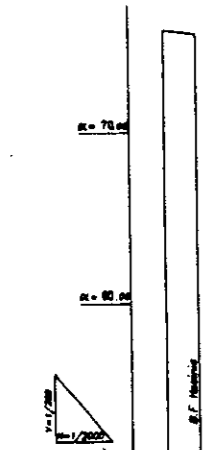
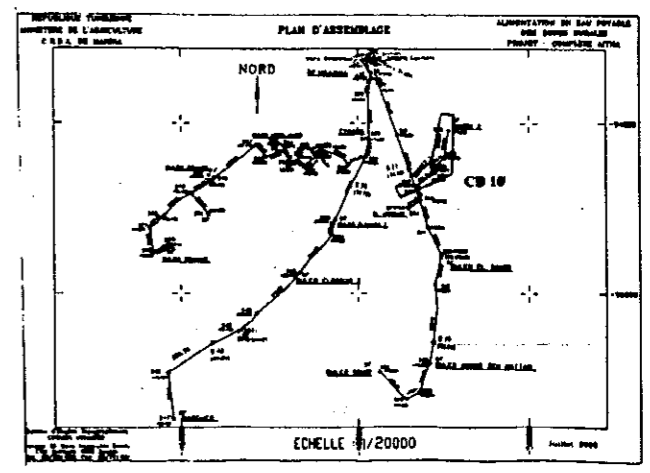
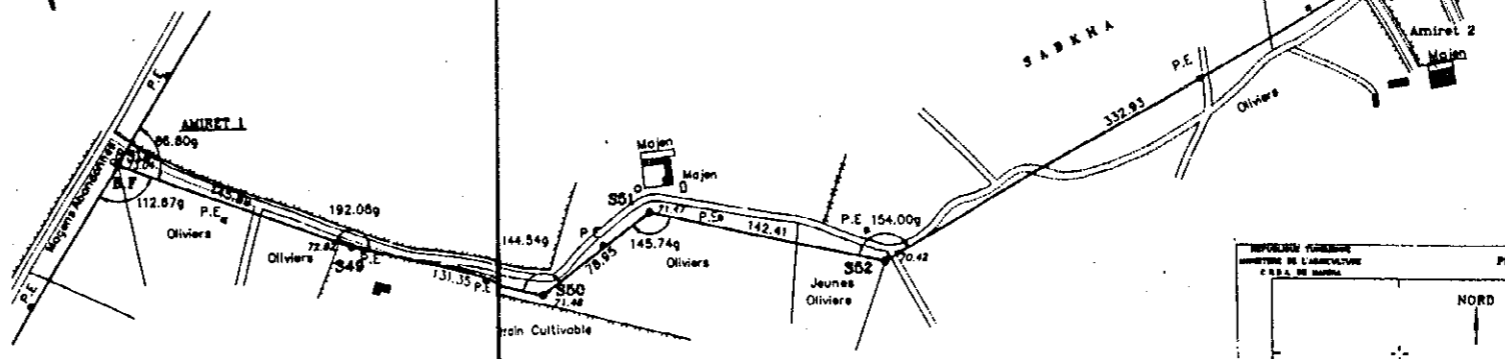
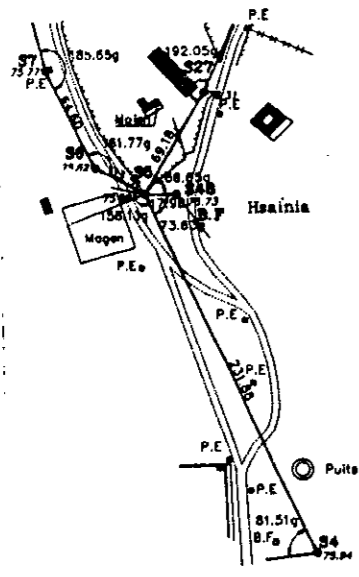
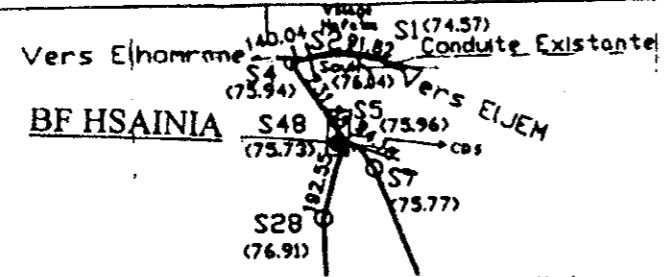
PROFIL No: CD9	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Distances Partielles (distances)	51.00	56.10	18.00	26.00	66.20	37.11	20.00	66.20	66.20	74.82	32.00	66.20	66.40	67.15	73.42	66.20	41.20	14.17	14.17
Distances Cumulees (total distances)																			
Cotes Terrain (ground height)	192.43	198.88	198.78	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75
Cotes Profil (profile height)	192.43	198.88	198.78	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75	198.75
Profondeurs (cutting/raising heights)																			
Reclivites Troncon (slopes)					8.6%					3.5%			7.5%	7.4%	7.4%	1.9%			

LEGENDE

■	Sommet
⚡	Poteau Electric
⚡	Traverse Electric
---	Ligne Electric
⚡	Poteau Telephonique
⚡	Borne Fontaine
---	Repelement
---	Piste
---	Cactus
---	Talus
---	Terrain Cultivable
•	Point de Base
•	Batiments
•	Angle Domest
■	Constructions Existantes
---	Route
---	Piquet
---	Claudiere

REPUBLIQUE TUNISIENNE	
MINISTRE DE L'AGRICULTURE	
PROJET No: CD9	COMPLEXE AITHA
REVISION	DOSSIER D'EXECUTION
CONTROLÉ	ALIMENTATION EN EAU POTABLE
ECHELLE: 1/2000	DES EDIFICES RURALES
DATE: Janvier 1988	TRACÉ EN PLAN ET PROFIL EN LONG
CONCÉDÉ	ADRESSE: BUREAU REGIONAL DE L'AGRICULTURE
	40000 Sousse, Tunisie
	Tel. 4322222

# PLAN D'ASSEMBLAGE



No. de POINT	S5 S48
DISTANCES PARTIELLES (distances)	17.00
DISTANCES CUMULEES (total distances)	8.00 17.00
COTES TERRAIN (ground height)	75.20 75.20
COTES PROJET (plan height)	
PROFONDEUR (under pipe bottom)	
DECLIVITE PROFOND (gradient)	
DIAMETRE (diameter)	DN 32
VOIE (base)	



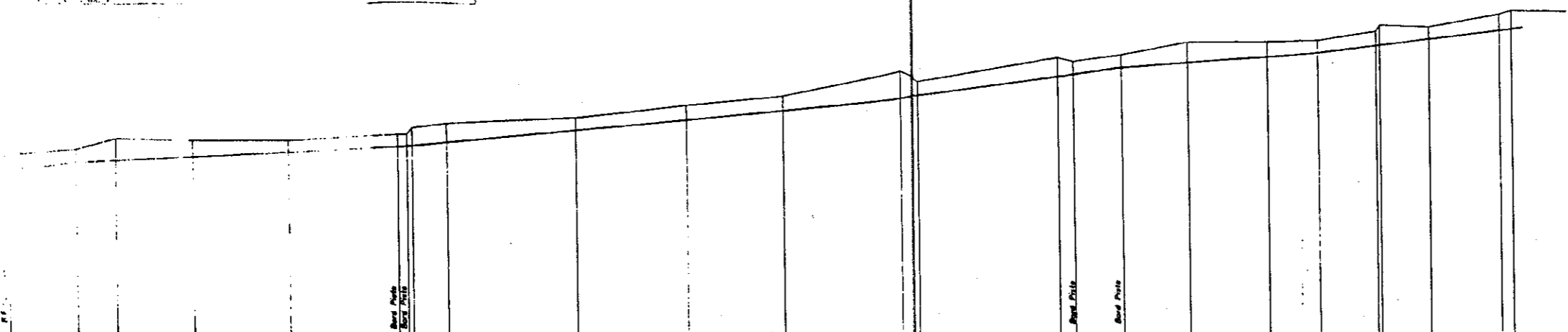
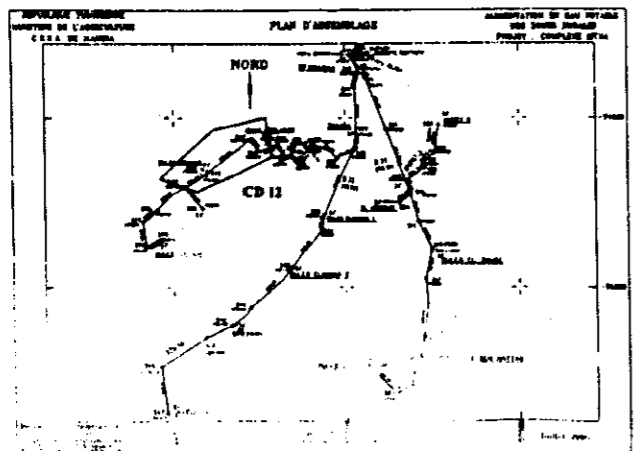
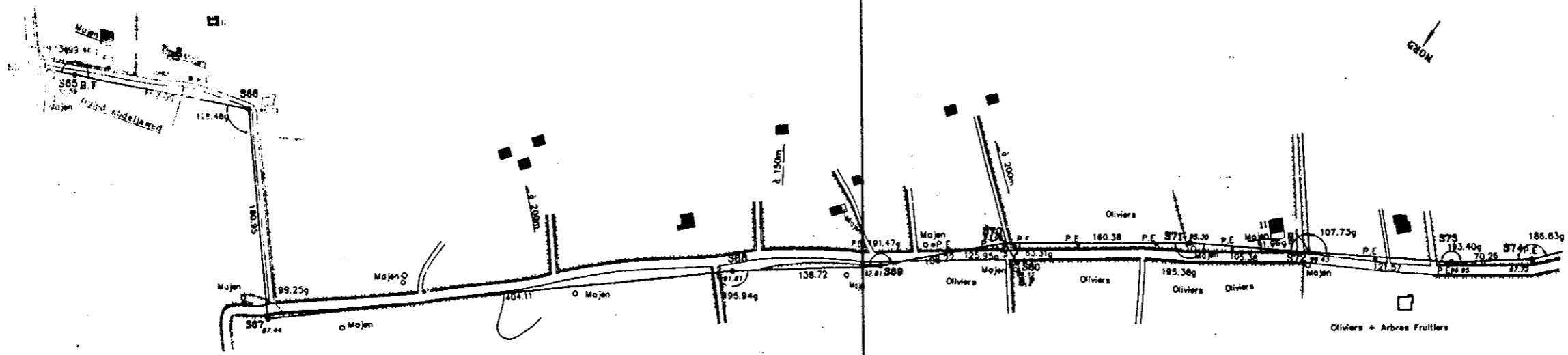
No. de POINT	S12	362	363	364	S48	365	366	367	368	369	370	371	372	373	S53
DISTANCES PARTIELLES (distances)	30.02	10.00	10.00	30.10	42.40	80.00	78.00	83.00	77.10	22.07	20.12	10.75	80.00	42.40	70.00
DISTANCES CUMULEES (total distances)	0.00	30.02	40.02	70.12	112.52	192.52	270.52	353.52	430.62	452.69	472.81	483.56	563.56	605.96	675.96
COTES TERRAIN (ground height)	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
COTES PROJET (plan height)	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
PROFONDEUR (under pipe bottom)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECLIVITE PROFOND (gradient)					5.5%				7%					5.4%	15.2%
DIAMETRE (diameter)															
VOIE (base)															

## LEGENDE

⊙	Sommets
⊕	Poteau Electrique
⊖	Traverse Aerien
—	Ligne Electrique
⊕⊖	Poteau Telephonique
B.P.	Borne Fontaine
—	Revêtement
—	Piste
—	Croquis
—	Talus
T.C.	Terrain Cultivable
+	Point de Base
—	Distance entre Sommets
∠	Angle Sommet
—	Construction Existante
—	Bande
—	Plaque
—	Cunilieres

REPUBLIQUE TUNISIENNE MINISTRE DE L'AGRICULTURE C.R.A. de MOJEN	
PLAN No CD 5 - CD 11	PROJET : COMPLEXE AITHA
BESSINE	BASSIN PERCOLATION
CONTROLE :	ALIMENTATION EN EAU POTABLE DES ZONES RURALES
ECHELLE : 1/2000	
DATE : Juin 2000	TRAME DE PLAN ET PROFIL EN LONG
CONSEILS :	REP. REGIONALE TUNISIENNE C.R.A. de MOJEN 10, AV. ELIM, TAM 5122/20



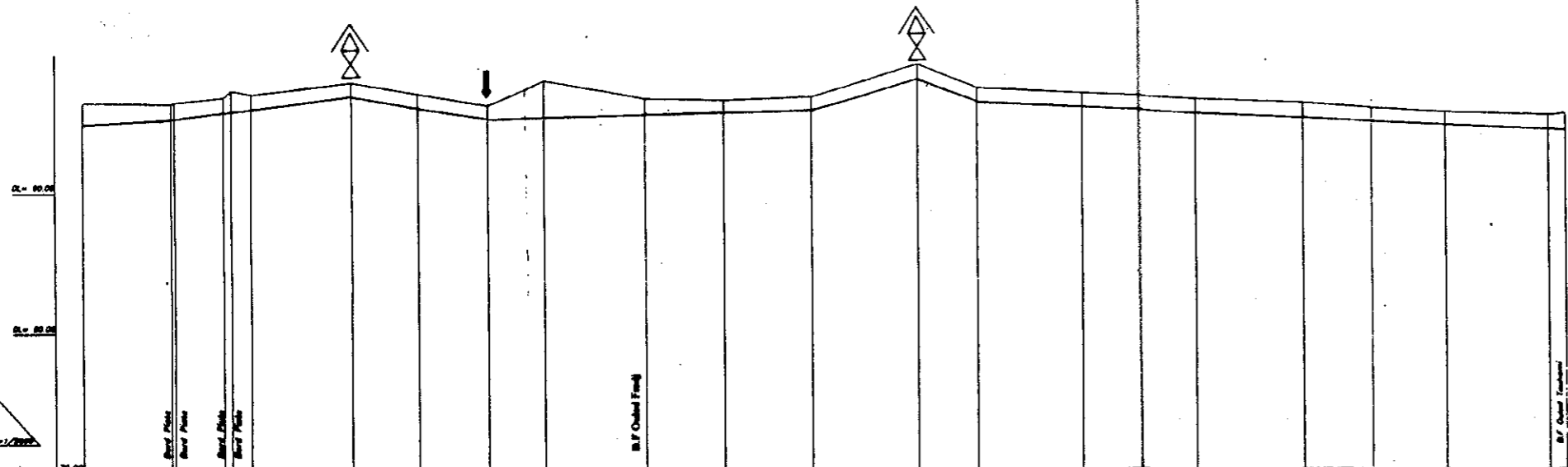
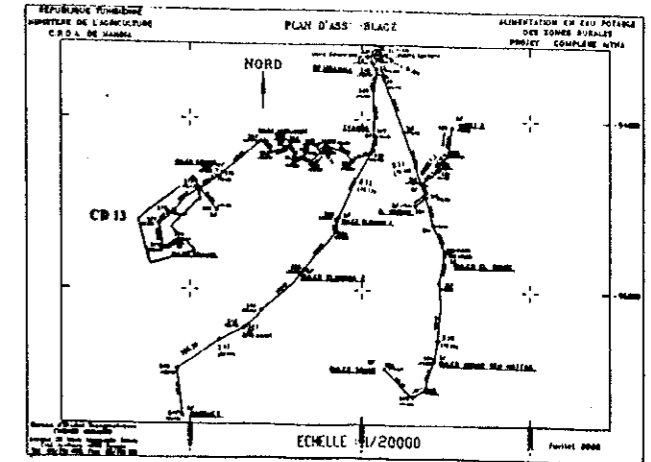
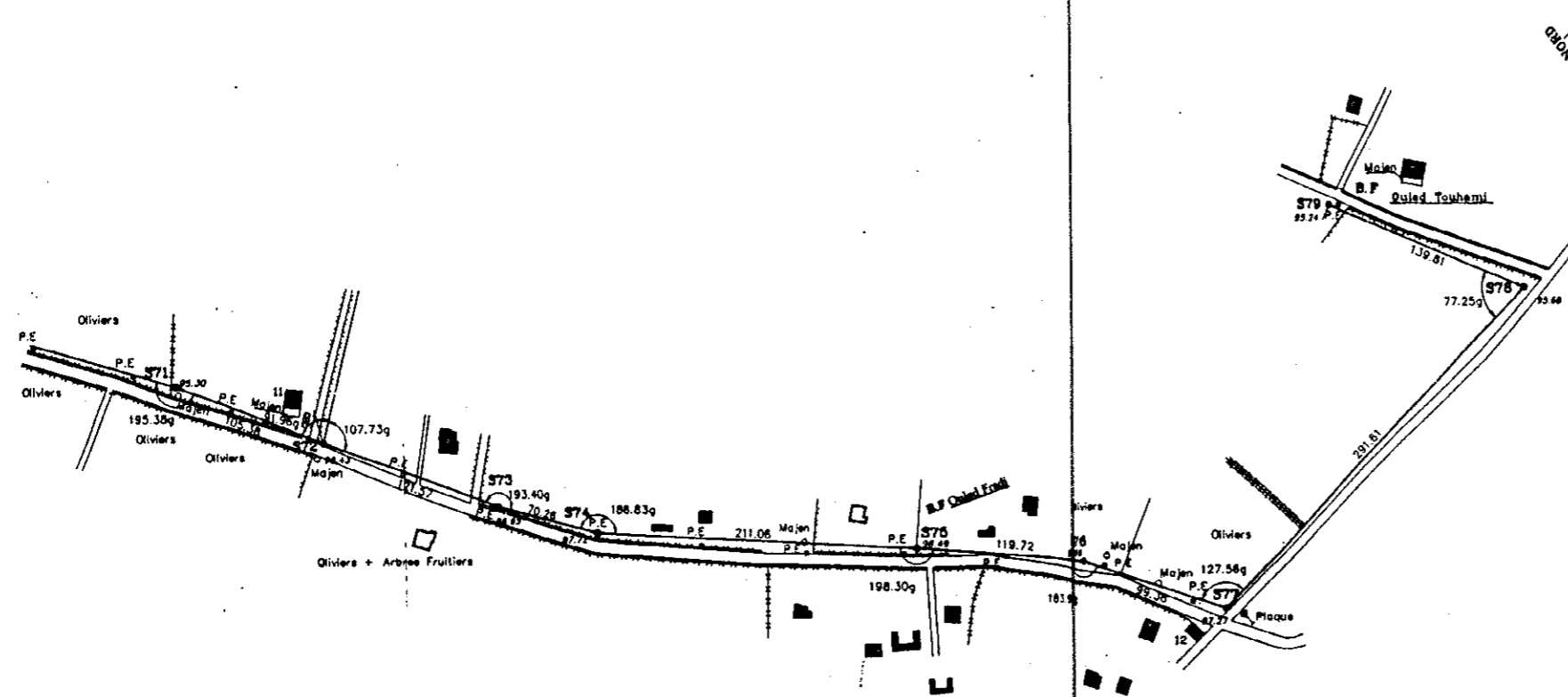


LEGENDE

Ro	Somma
PE	Poteau Electrique
T	Traverse Aerienne
L	Ligne Electrique
PTM	Poteau Telephonique
B.P.	Borne Postale
—	Sarcellement
—	Paroi
—	Cactus
—	Talus
T.C	Terrain Cultivable
*	Point de Base
—	Distance entre Sommet
—	Angle Sommet
—	Construction Existante
—	Roadie
—	Plaque
—	Cimetiere

Station	367	368	369	370	371	372	373	374	375	376	377	378
Elevation	100.32	100.77	101.22	101.67	102.12	102.57	103.02	103.47	103.92	104.37	104.82	105.27
Grade	3%	12.7%	6.7%	4.0%								

REPUBLIQUE TUNISIENNE MINISTRE DE L'AGRICULTURE C.E.D.A. DE MOJAN	
PLAN No. CD 12	PROJET : COMPLEXE ATINA
RESSINE :	BOSSIER PECC. TON
CONTROL :	ALBERT TON. EN. J. POISS. E
ECHELLE : 1/2000	1:10000
DATE : Juin 1952	1:10000
CONCLU :	ADRESSE :



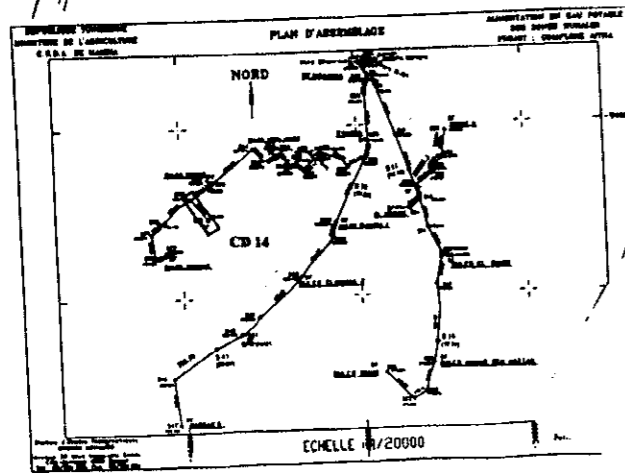
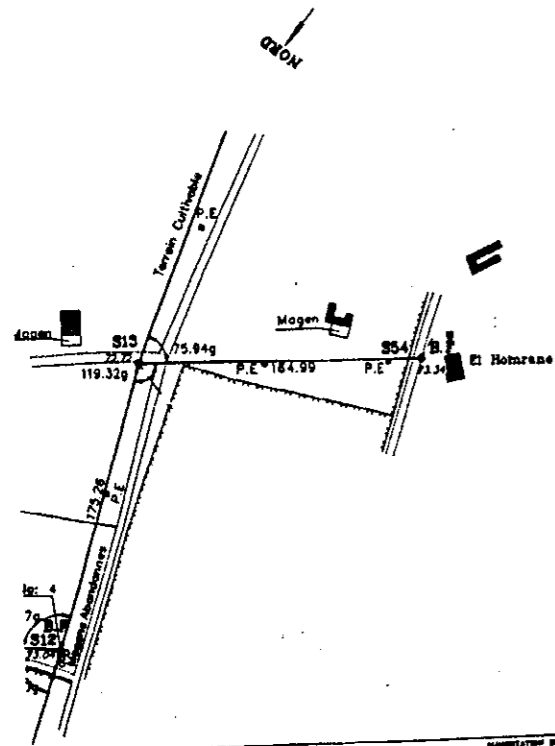
**LEGENDE**

8.0	Sommet
P.E.	Poteau Electrique
T	Traverse Aérien
---	Ligne Electrique
P.T.T.	Poteau Téléphonique
B.F.	Borne Fontaine
---	Ecoulement
---	Piste
---	Coctim
---	Talus
T.C.	Terrain Cultivable
○	Point de Base
---	Distance entre Sommet
∠	Angle Sommet
□	Construction Existante
---	Route
↑	Plaque
∇	Cimelière

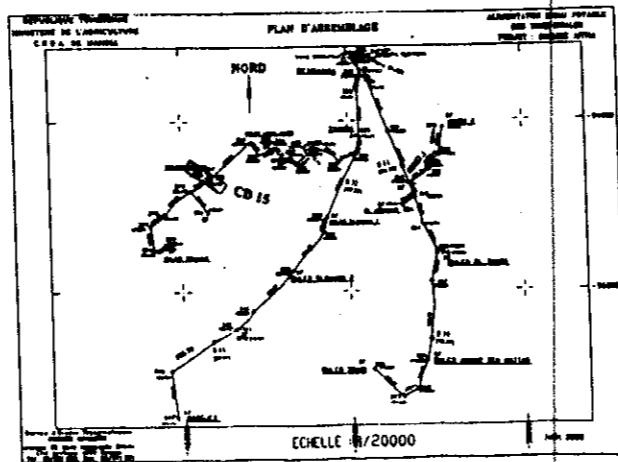
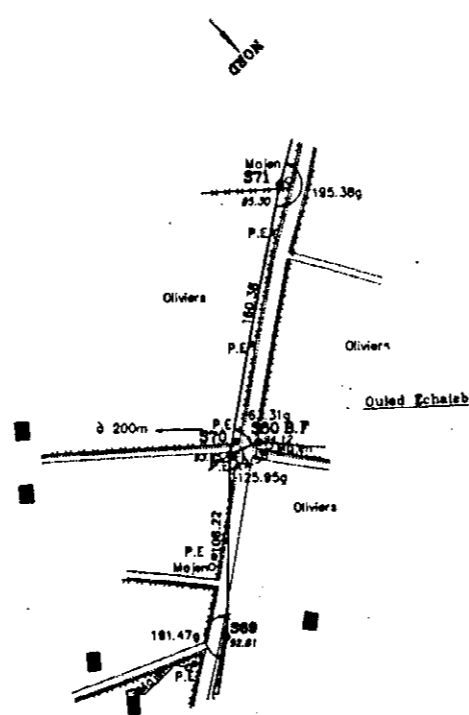
No. de Point (station)	372	373	374	375	376	377	378	379	380	381						
DISTANCES PARTIELLES (Mètres)	46.00	38.25	76.26	48.81	49.82	39.23	73.89	57.46	63.31	77.84	41.73	79.41	74.84	48.88	54.75	72.74
DISTANCES CUMULEES (Total distance)		46.00	84.25	160.51	209.32	248.55	287.84	345.30	409.11	472.42	514.15	593.56	668.40	717.28	772.03	844.77
COTES TERRAIN (ground height)	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
COTES PROJET (plan height)	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
PROFONDEUR (water pipe bottom)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECLIVITES TRONCON (gradient)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
DIAMETRE (diameter)	100 mm															
NOTE	PENTE EN PLAN ET PROFIL EN LONG															

REPUBLIQUE TUNISIENNE MINISTÈRE DE L'AGRICULTURE C.R.S.A. DE SIDI EL BEI	
PLAN No: CD 13	PROJET: COMPLEXE AITHA
DESSIN: BISSER	EXÉCUTION: BISSER
CONTROLÉ: ALIMENTATION EN EAU POTABLE DES ZONES RURALES	
ECHELLE: 1/2000	
DATE: Juin 2000	PROJE ET PLAN ET PROFIL EN LONG
CONSEILS:	APPROBATION: [Signature]

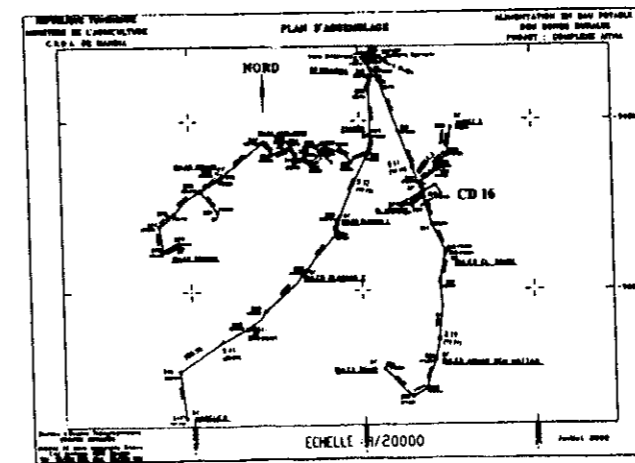
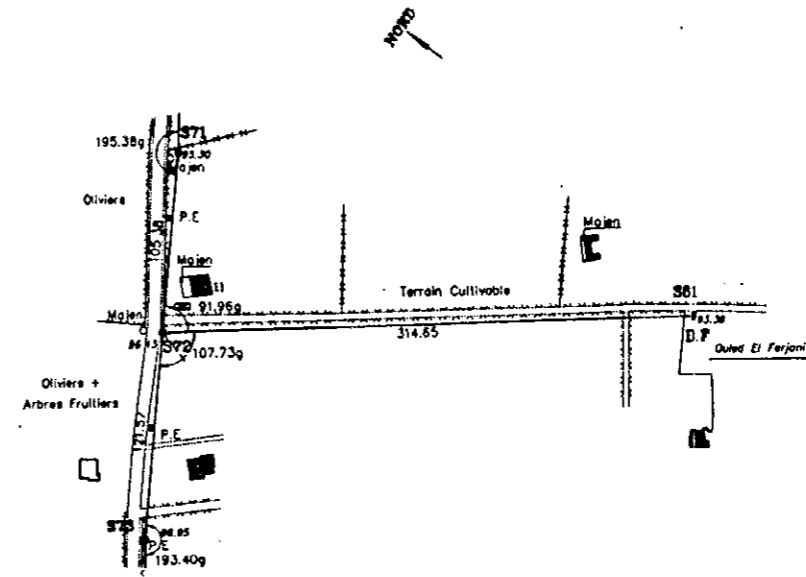
PROFIL No: CD14 Echelle : 1 / 2000



PROFIL No: CD15 Echelle : 1 / 2000

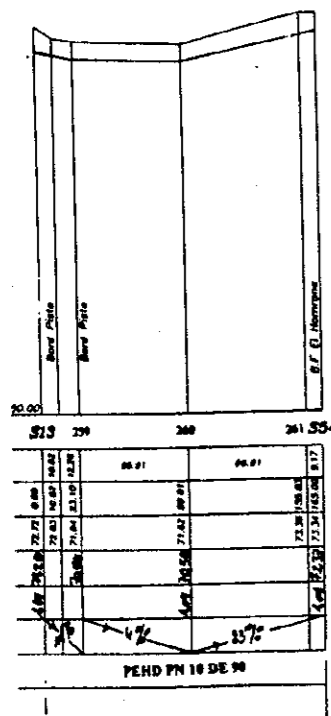


PROFIL No: CD14 Echelle : 1 / 2000



LEGENDE

⊙	Sommet
⊕	Poteau Electrique
⊖	Traverse Aérien
—	Ligne Electrique
⊕	Poteau Téléphonique
⊖	Borne Fontaine
—	Ecoulement
—	Plat
—	Cactus
—	Talus
T.C	Terrain Cultivable
+	Point de Base
⊕	Mesure sans bornes
⊕	Angle Sommet
⊖	Construction Existante
—	Route
⊕	Pinque
⊕	Cimetière



No = POINT (station)	
S70 S80	
DISTANCES PARTIELLES (distances)	10.00
DISTANCES CUMULEES (total distances)	0.00
COTES TERRAIN (ground height)	13.00
COTES PROJET (plan height)	12.00
PROFONDEUR (water pipe bottom)	0.00
DECLIVITES THROCON (gradient)	
DIAMETRE (diametre)	DE 90
NOE (diam)	

No = POINT (station)	
S72 252 253 254 255 256 257 S81	
DISTANCES PARTIELLES (distances)	02.00 02.07 71.00 30.30 30.71 30.70
DISTANCES CUMULEES (total distances)	0.00 02.07 73.07 103.37 133.67 164.38 195.08
COTES TERRAIN (ground height)	195.38 195.38 195.38 195.38 195.38 195.38 195.38
COTES PROJET (plan height)	195.38 195.38 195.38 195.38 195.38 195.38 195.38
PROFONDEUR (water pipe bottom)	0.00 0.00 0.00 0.00 0.00 0.00 0.00
DECLIVITES THROCON (gradient)	
DIAMETRE (diametre)	DE 90
NOE (diam)	

REPUBLIQUE TUNISIENNE	
MINISTRE DE L'AGRICULTURE	
C.R.A. DE NASSIJA	
PLAN No CD 14-15-16	PROJET : COMPLEXE AITIA
RESEME:	BOSSIER VEGETATION
CONTROL:	ALIMENTATION EN EAU POTABLE
ETAT: 1980	DES TRAVAILLES
DATE: 1980	
CONCELE:	ADRESSE





JICA