

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

RELEVÉ FINAL
VOLUME III RAPPORT DE CONCEPTION DÉTAILLÉE

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**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
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EN RÉPUBLIQUE TUNISIENNE**

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

PARTIE 2 PLANS DE PROFIL

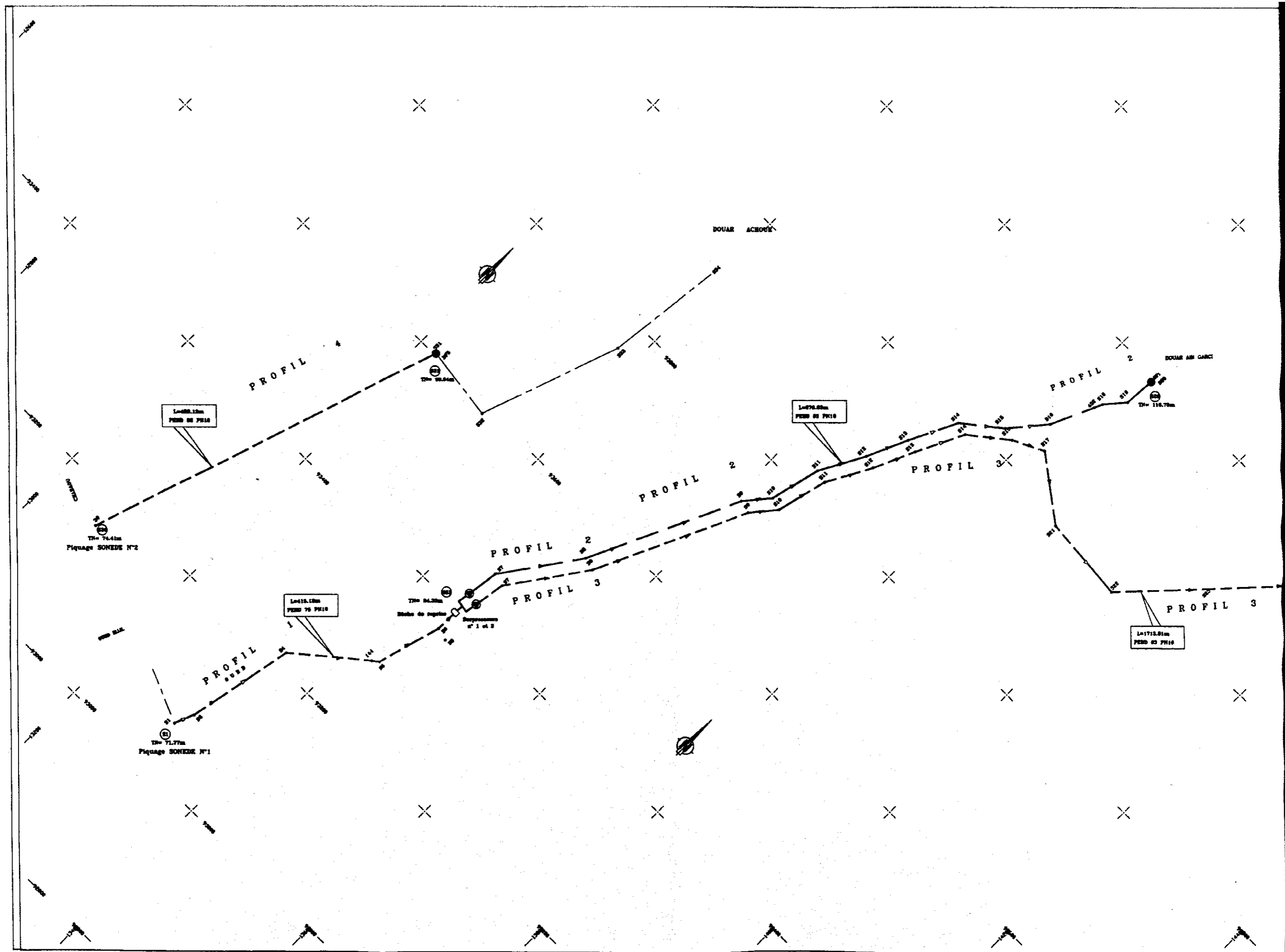
**GOUVERNORAT ARIANA
RAPPORT SUR TYAYRA**

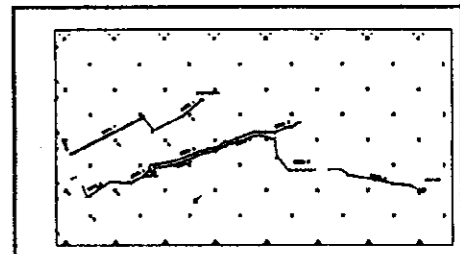
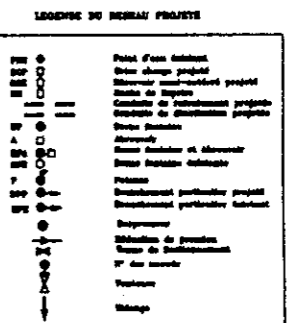
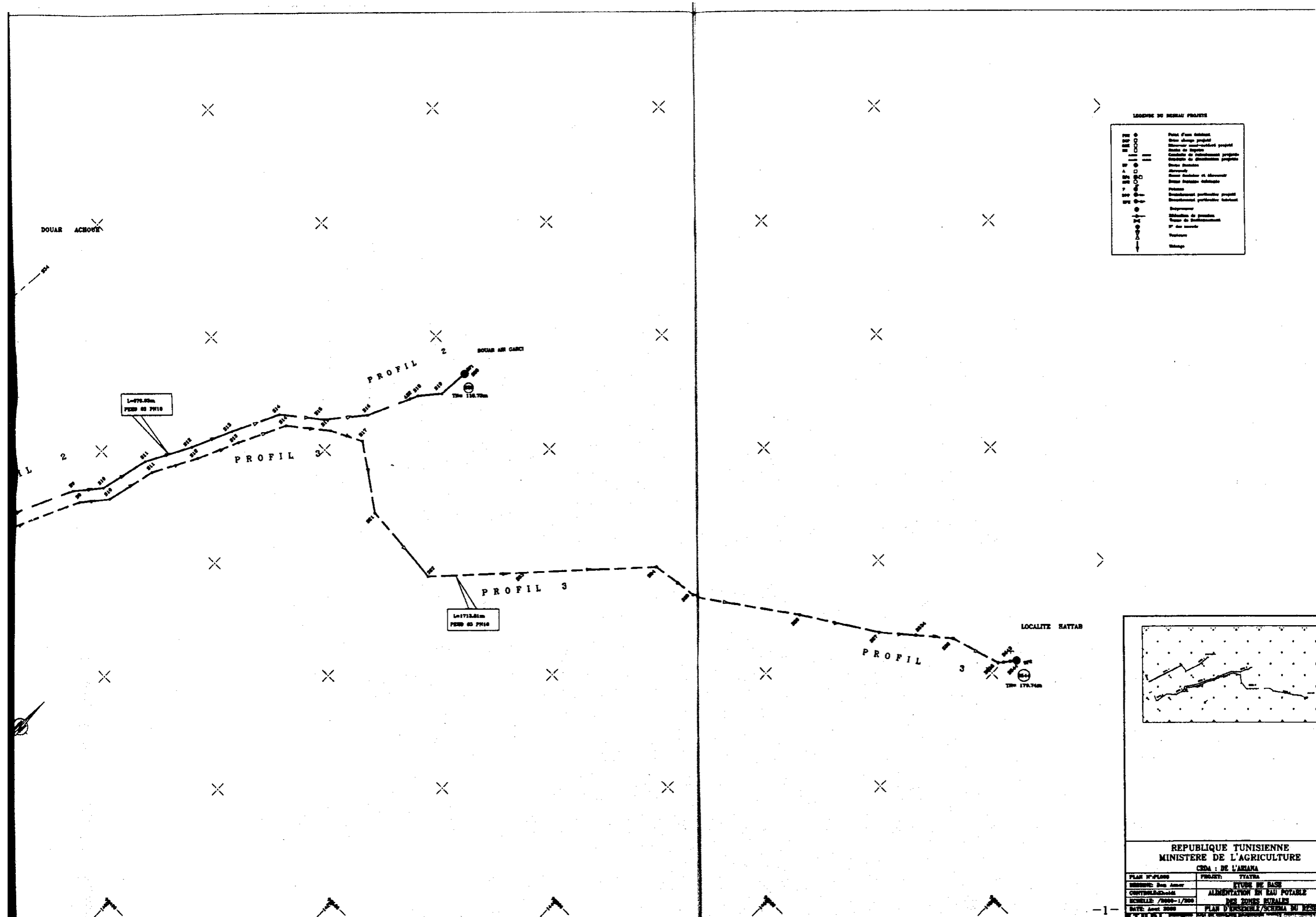
MARS 2001

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



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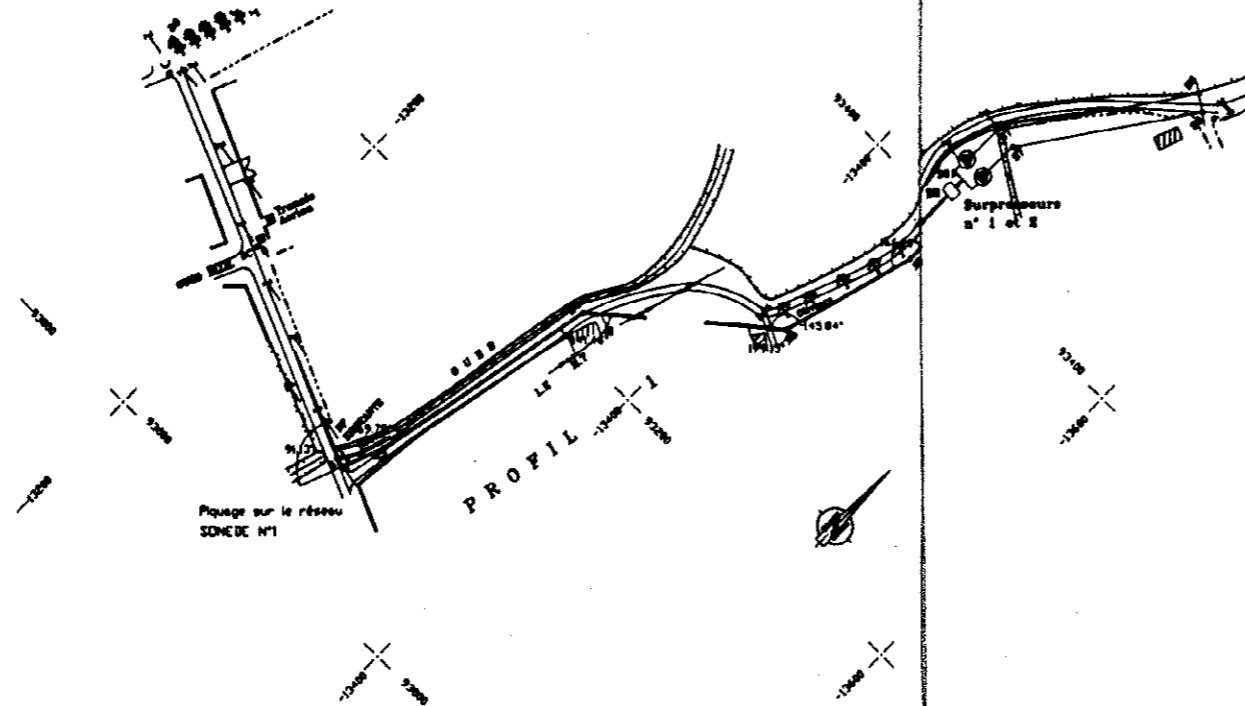




REPUBLIQUE TUNISIENNE
MINISTERE DE L'AGRICULTURE
 CRDA : DE L'ARIANA

| | |
|-----------------------|----------------------------------|
| PLAN N°-PLANS | PROJET: FYATRA |
| REGION: Bas Amer | ETUDE DE BASE |
| CONTENU: Commande | ALIMENTATION EN EAU POTABLE |
| ECHELLE: /3000-1/3000 | DES ZONES BURALES |
| DATE: Août 2000 | PLAN D'ENSEMBLE/SCHEMA DU RESEAU |

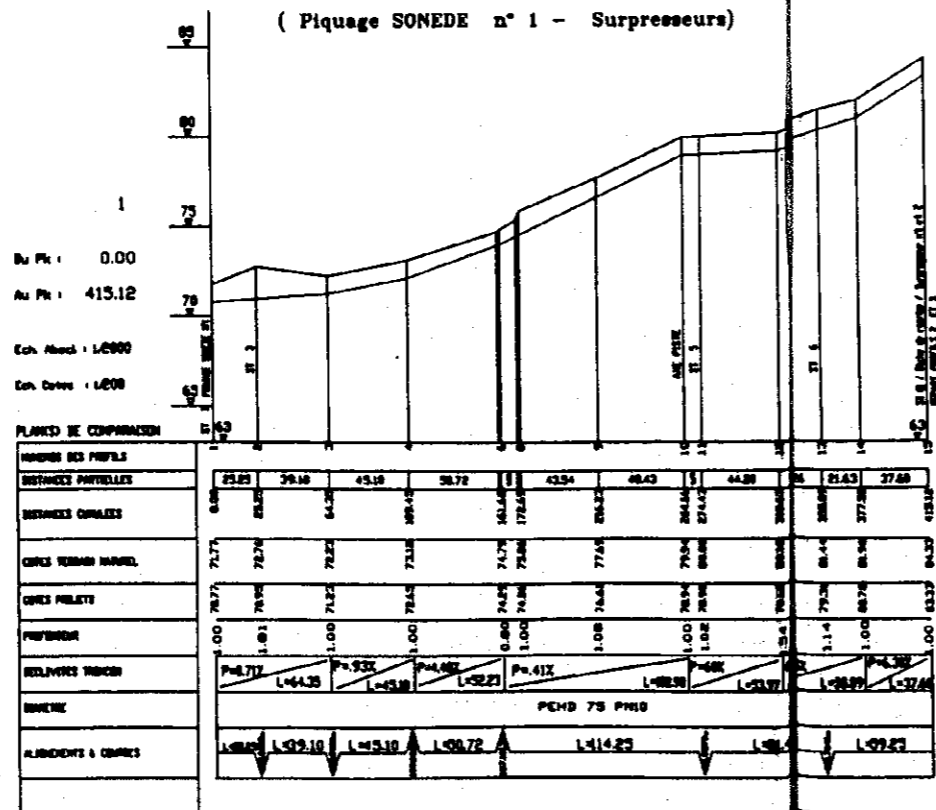
- 1 -



LEGENDE DU RESEAU PROJET

| | |
|---|------------------------------------|
| ○ | Petit fossé existant |
| ◦ | Fossé chargé projet |
| ◑ | Manivelle existant/projet |
| ◒ | Manivelle de dérivation/projet |
| ◓ | Coude de substitution projet |
| ◔ | Coude de dérivation projet |
| ⊗ | Barrage existant |
| ⊙ | Barrage |
| ⊛ | Barrage Substitut et Barrage |
| ⊜ | Barrage Substitut Substitut |
| ⊝ | Passerelle |
| ⊞ | Tranchéement particulier projet |
| ⊟ | Tranchéement particulier Substitut |
| ⊠ | Surpresseur |
| ⊡ | Mécanisme de pression |
| ⊢ | P° des regards |
| ⊣ | Vanne |
| ⊤ | Barrage |

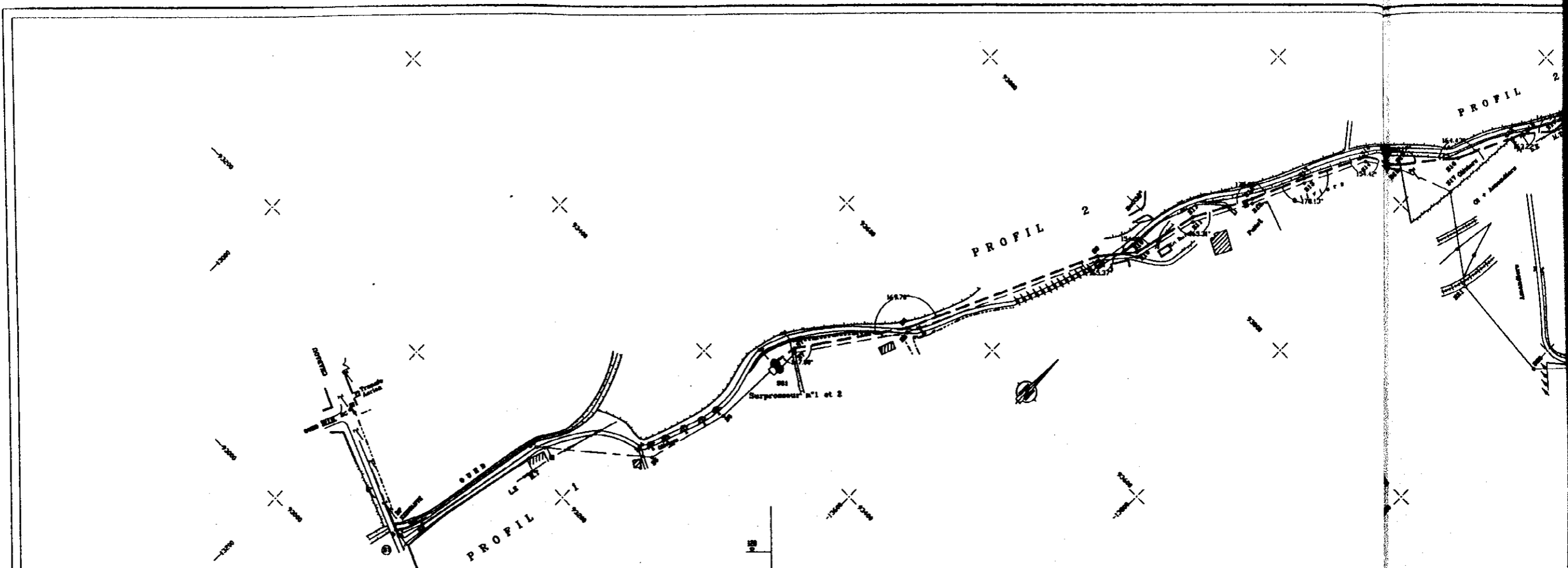
PROFIL 1
(Piquage SONEDE n° 1 - Surpresseurs)



REPUBLIQUE TUNISIENNE
MINISTÈRE DE L'AGRICULTURE

CRDA : DE L'ARIANA

| | |
|-----------------------|-----------------------------|
| PLAN N°: P1001 | PROJET: TYAYRA |
| DESIGNER: Ben Amer | ETUDE DE BASE |
| CONTROLER: Ghannem | ALIMENTATION EN EAU POTABLE |
| ECHELLE: 1/2000-1/200 | DES ZONES RURALES |
| DATE: Août 2000 | FEUILLE EN PLAN 1/4 |

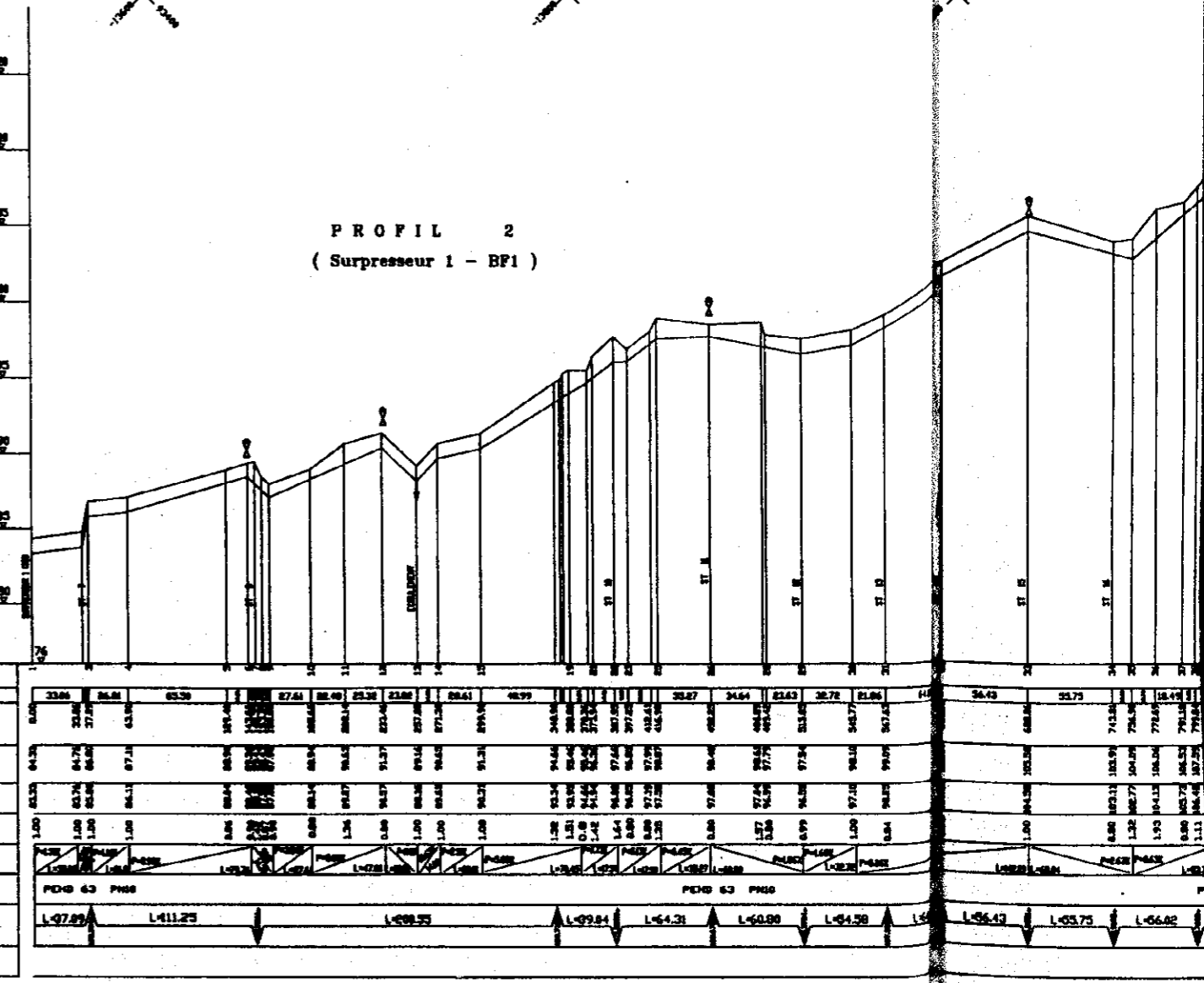


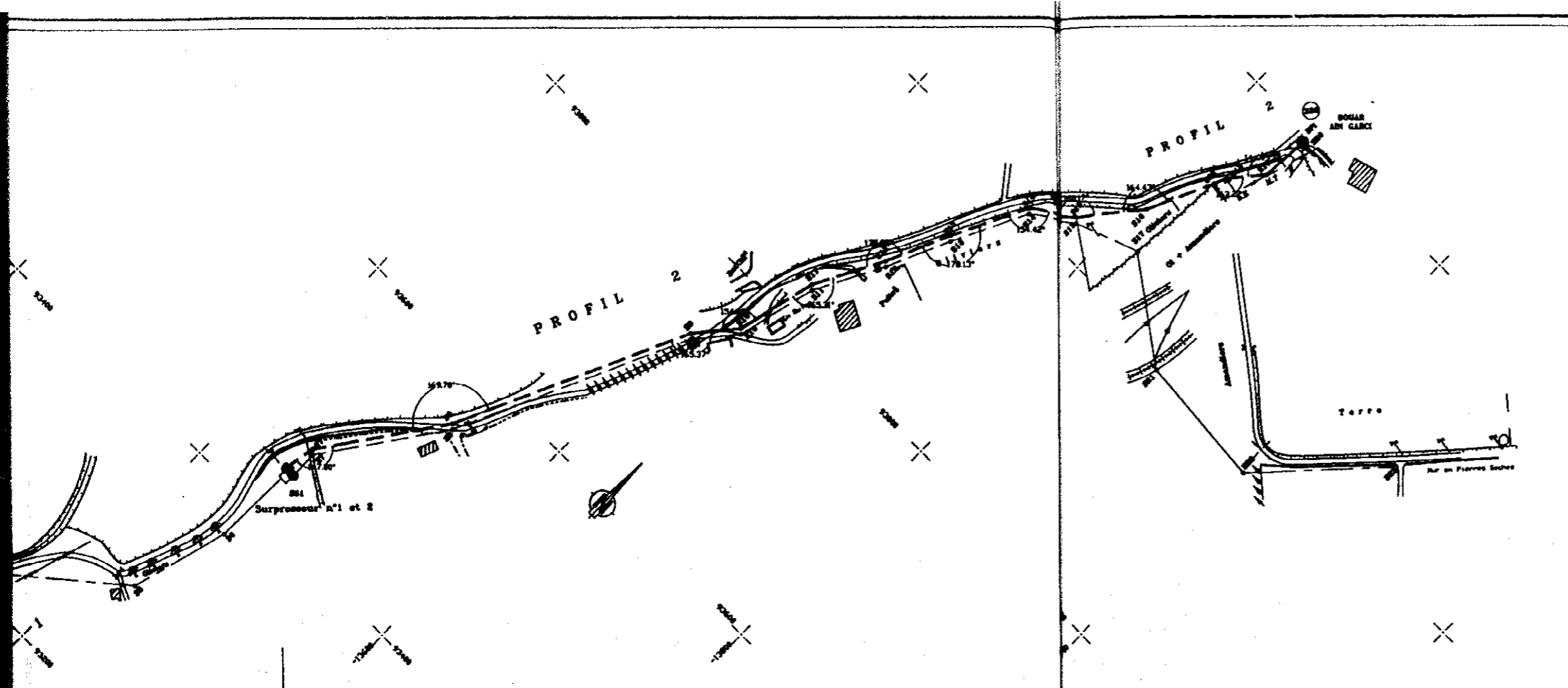
PROFIL 2
(Surpresseur 1 - BF1)

No. Pk : 0.00
 Au Pk : 878.63
 Ech. Absc. : 1/2000
 Ech. Cotes : 1/200

PLANS DE COMPARAISON

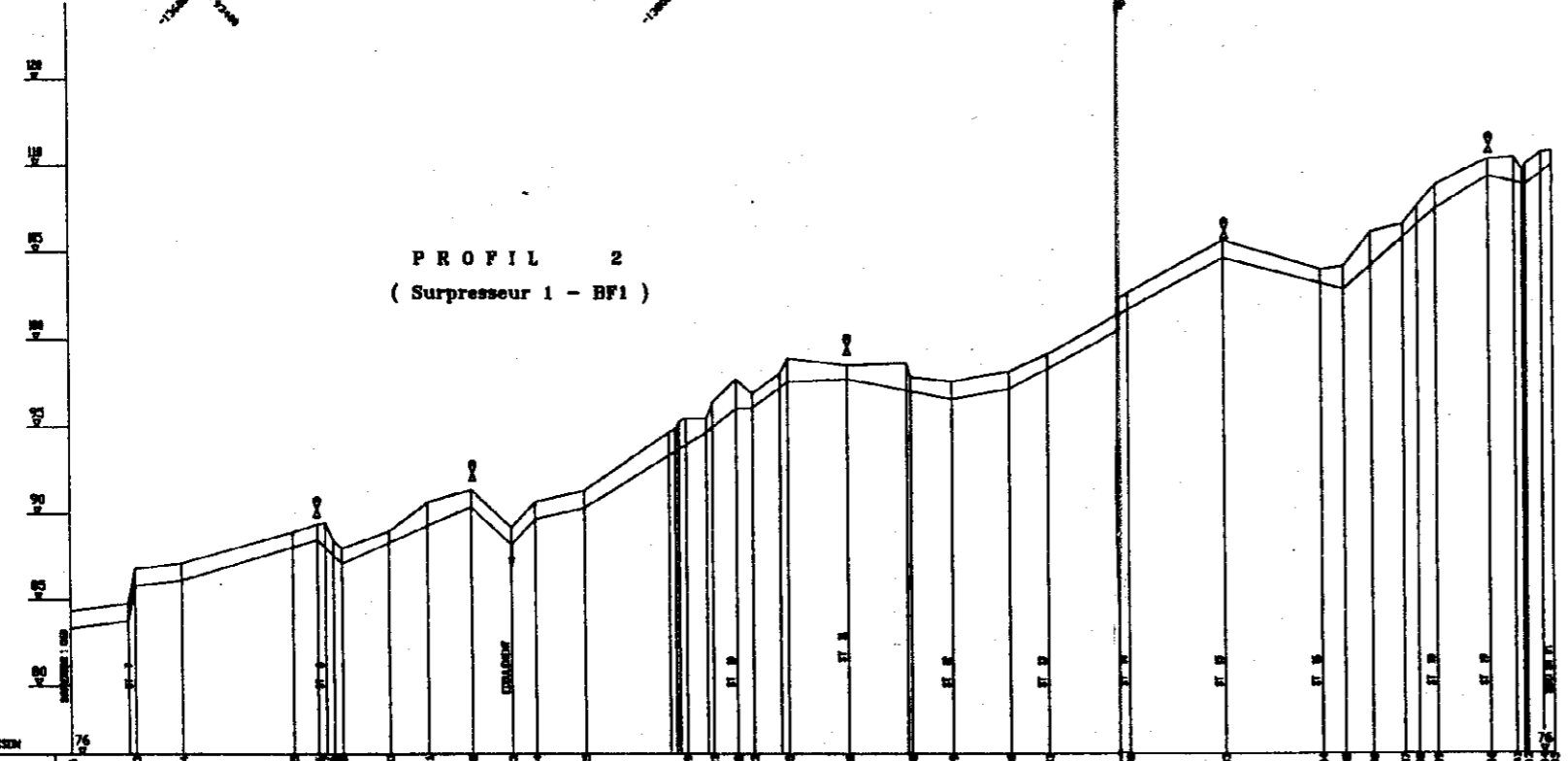
| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------------|----------|-------|-------|----------|--------|--------|--------|----------|----------|--------|--------|----------|----------|--------|--------|--------|--------|----------|----------|--------|--------|--------|----------|--------|
| NOM DES PROFILS | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTANCES PARALLÈLES | 23.00 | 26.00 | 25.50 | | 27.40 | 28.40 | 28.30 | 23.00 | 28.61 | 29.99 | | | 28.27 | 24.64 | 23.63 | 22.72 | 21.04 | | 24.43 | 23.75 | | | | | |
| DISTANCES ORALES | 0.00 | 23.00 | 49.00 | 74.50 | 101.90 | 129.30 | 156.70 | 184.10 | 211.50 | 238.90 | 266.30 | 293.70 | 321.10 | 348.50 | 375.90 | 403.30 | 430.70 | 458.10 | 485.50 | 512.90 | 540.30 | 567.70 | 595.10 | 622.50 | 650.00 |
| COTES VIGNON MARTEL | 04.70 | 04.70 | 04.60 | 04.50 | 04.40 | 04.30 | 04.20 | 04.10 | 04.00 | 03.90 | 03.80 | 03.70 | 03.60 | 03.50 | 03.40 | 03.30 | 03.20 | 03.10 | 03.00 | 02.90 | 02.80 | 02.70 | 02.60 | 02.50 | 02.40 |
| COTES PROJET | 05.30 | 05.30 | 05.20 | 05.10 | 05.00 | 04.90 | 04.80 | 04.70 | 04.60 | 04.50 | 04.40 | 04.30 | 04.20 | 04.10 | 04.00 | 03.90 | 03.80 | 03.70 | 03.60 | 03.50 | 03.40 | 03.30 | 03.20 | 03.10 | 03.00 |
| PENTE | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| DELAIRES VIGNON | | | | | | | | | | | | | | | | | | | | | | | | | |
| REMARQUE | POND 63 POND | | | | | | | | | | | | | | | | | | | | | | | | |
| ALIMENT & CANAL | L-37.00 | L-411.25 | | | L-408.55 | | | | L-409.84 | L-414.31 | | | L-410.80 | L-414.50 | | | | | L-415.43 | L-415.75 | | | | L-416.00 | |





LEGENDE DU SYMBOLISME

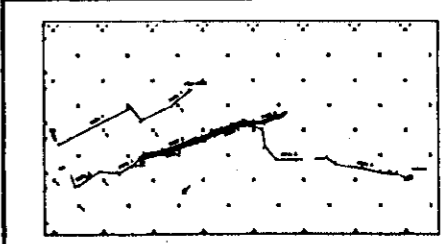
| | |
|--|----------------------------|
| | Point d'intérêt |
| | Réseau d'approvisionnement |
| | Réseau existant |
| | Réseau projet |
| | barrage |
| | Conduit |
| | Vanne |
| | Hydrant |
| | Puits |
| | Puits |
| | Batiment |
| | Route |
| | Voie ferrée |
| | Cours d'eau |
| | Limite |
| | Forêt |
| | Maraie |
| | Ligne électrique |
| | Ligne téléphonique |
| | Canal |
| | Aqueduc |
| | Pont |
| | Tunnel |
| | Passerelle |
| | Château d'eau |
| | Compteur |



Ba PK : 0.00
Au PK : 878.63
Ech. Absc. : 1/2000
Ech. Cotée : 1/400

PLANS DE COMPARAISON

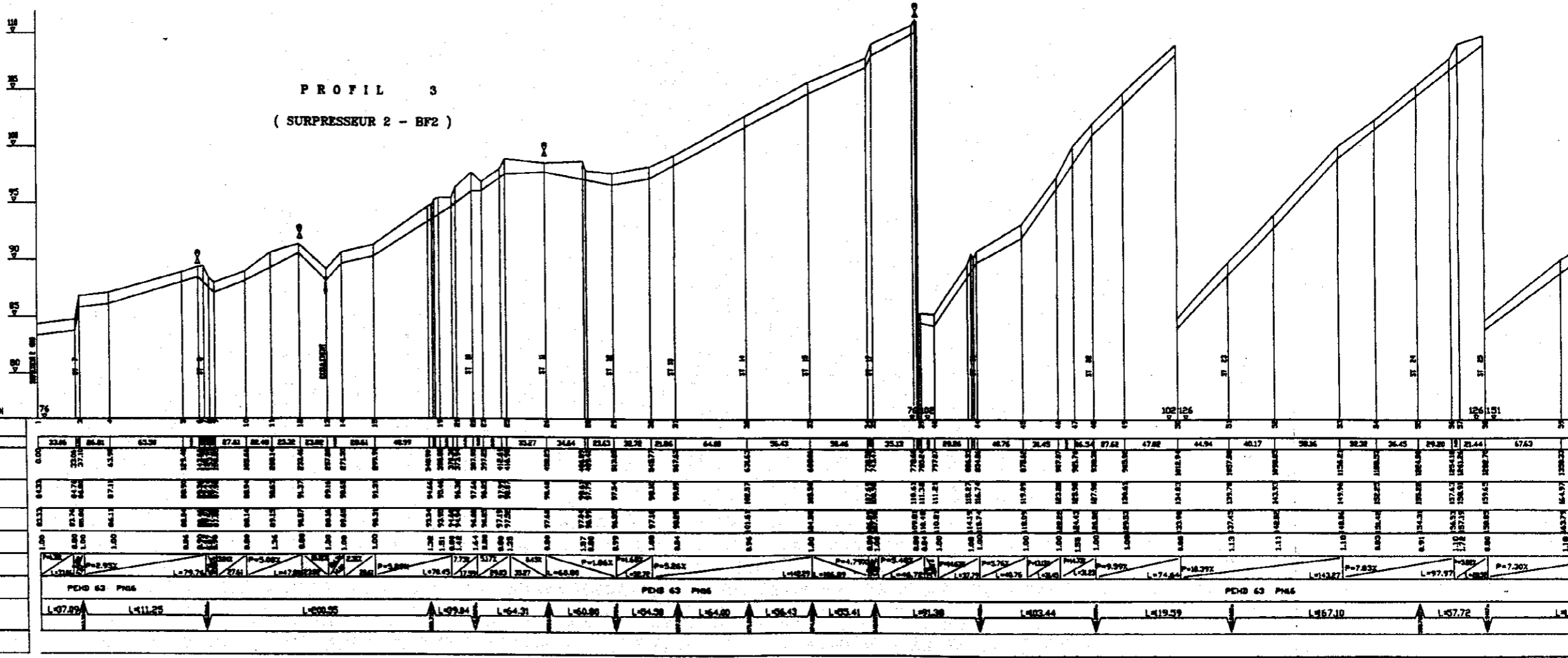
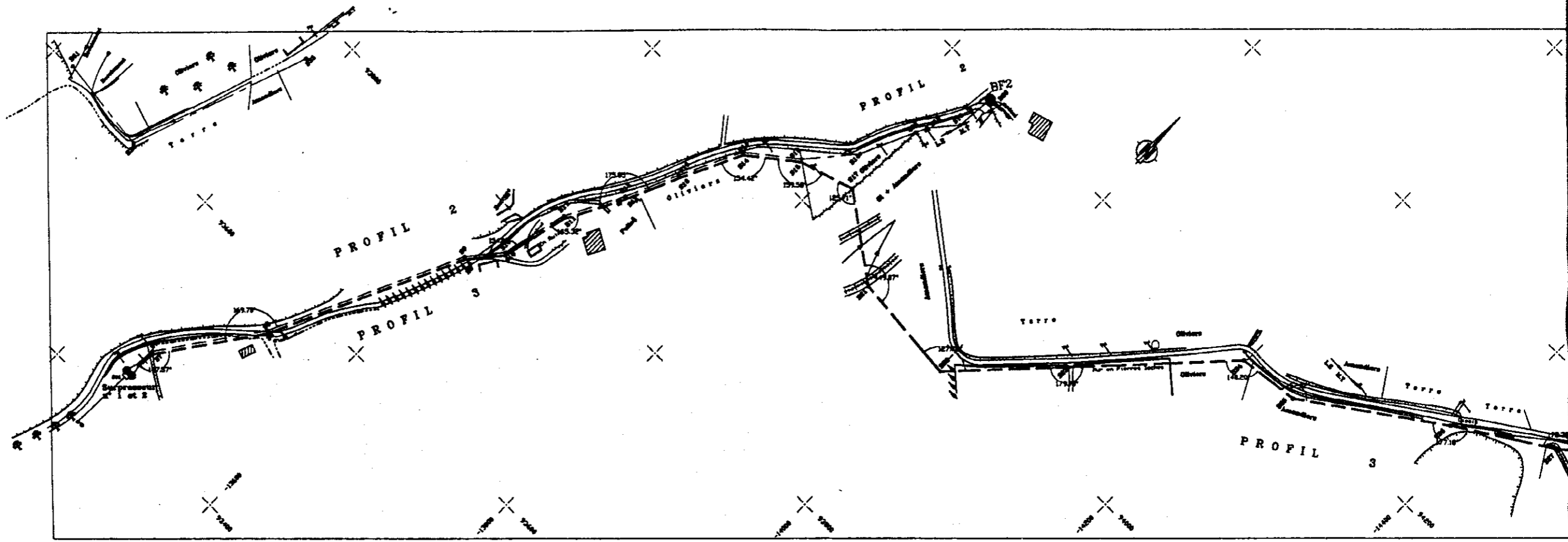
| NOM DES PROFILS | DISTANCES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--------------|----------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
| | 0+00 | 0+25 | 0+50 | 0+75 | 1+00 | 1+25 | 1+50 | 1+75 | 2+00 | 2+25 | 2+50 | 2+75 | 3+00 | 3+25 | 3+50 | 3+75 | 4+00 | 4+25 | 4+50 | 4+75 | 5+00 | 5+25 | 5+50 | 5+75 | 6+00 | 6+25 | 6+50 | 6+75 | 7+00 | 7+25 | 7+50 | 7+75 | 8+00 | 8+25 | 8+50 | 8+75 | |
| DISTANCES PARTIELLES | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | |
| DISTANCES CUMULEES | 0.00 | 25.00 | 50.00 | 75.00 | 100.00 | 125.00 | 150.00 | 175.00 | 200.00 | 225.00 | 250.00 | 275.00 | 300.00 | 325.00 | 350.00 | 375.00 | 400.00 | 425.00 | 450.00 | 475.00 | 500.00 | 525.00 | 550.00 | 575.00 | 600.00 | 625.00 | 650.00 | 675.00 | 700.00 | 725.00 | 750.00 | 775.00 | 800.00 | 825.00 | 850.00 | 875.00 | 900.00 |
| COTES TERRAIN RELEVÉES | 48.00 | 49.00 | 50.00 | 51.00 | 52.00 | 53.00 | 54.00 | 55.00 | 56.00 | 57.00 | 58.00 | 59.00 | 60.00 | 61.00 | 62.00 | 63.00 | 64.00 | 65.00 | 66.00 | 67.00 | 68.00 | 69.00 | 70.00 | 71.00 | 72.00 | 73.00 | 74.00 | 75.00 | 76.00 | 77.00 | 78.00 | 79.00 | 80.00 | 81.00 | 82.00 | 83.00 | |
| COTES PROJETÉES | 50.00 | 51.00 | 52.00 | 53.00 | 54.00 | 55.00 | 56.00 | 57.00 | 58.00 | 59.00 | 60.00 | 61.00 | 62.00 | 63.00 | 64.00 | 65.00 | 66.00 | 67.00 | 68.00 | 69.00 | 70.00 | 71.00 | 72.00 | 73.00 | 74.00 | 75.00 | 76.00 | 77.00 | 78.00 | 79.00 | 80.00 | 81.00 | 82.00 | 83.00 | 84.00 | | |
| PENTE | 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% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | | |
| DELIMITATION | PENTE 63 PMS | | | PENTE 63 PMS | | | | | | | | | | PENTE 63 PMS | | | | | | PENTE 63 PMS | | | | | | | | | | | | | | | | | |
| ALIGNEMENTS & COTES | L+97.09 | L+111.25 | L+125.41 | L+139.57 | L+153.73 | L+167.89 | L+182.05 | L+196.21 | L+210.37 | L+224.53 | L+238.69 | L+252.85 | L+267.01 | L+281.17 | L+295.33 | L+309.49 | L+323.65 | L+337.81 | L+351.97 | L+366.13 | L+380.29 | L+394.45 | L+408.61 | L+422.77 | L+436.93 | L+451.09 | L+465.25 | L+479.41 | L+493.57 | L+507.73 | L+521.89 | L+536.05 | L+550.21 | L+564.37 | L+578.53 | L+592.69 | |

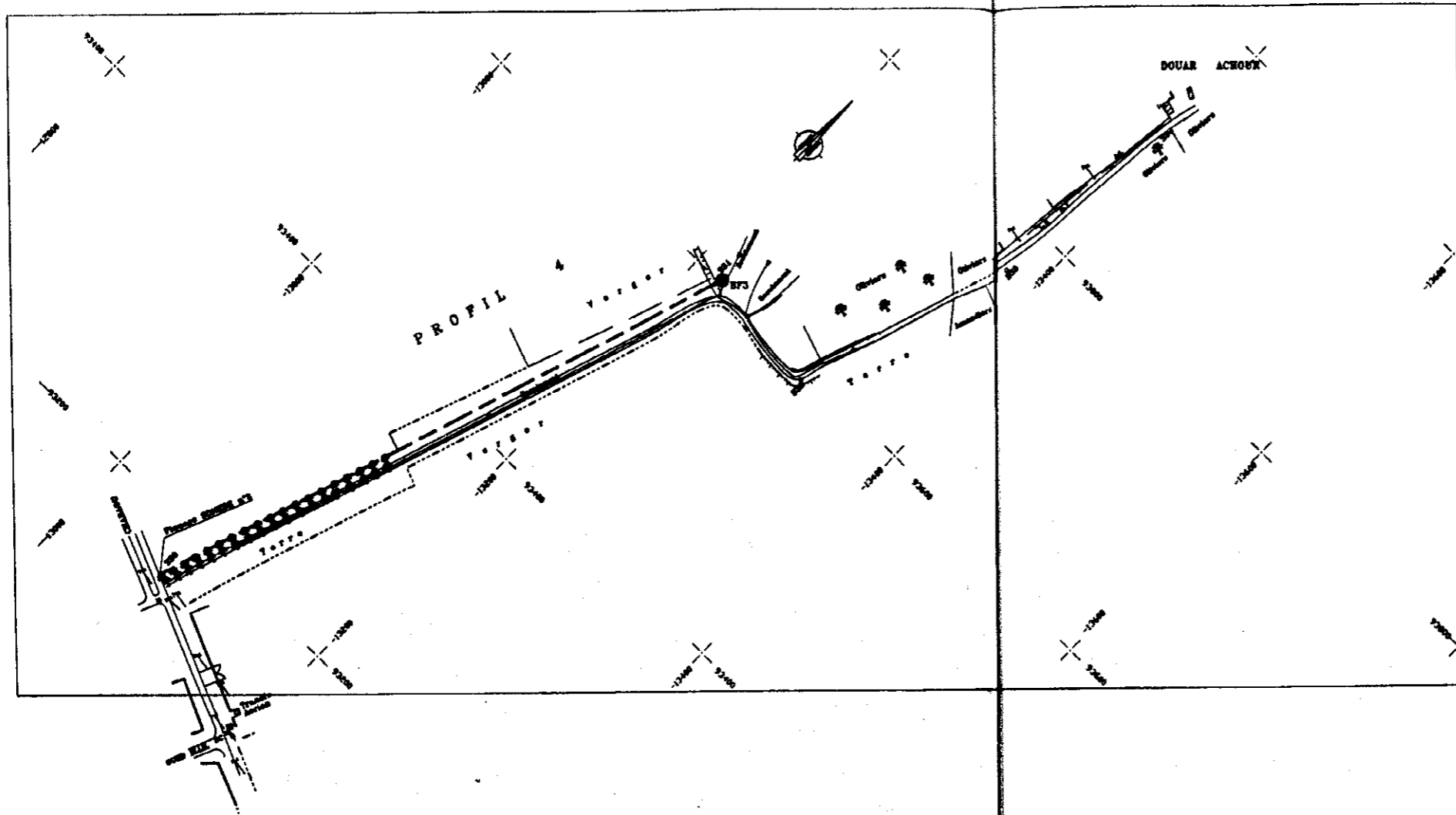


REPUBLIQUE TUNISIENNE
MINISTÈRE DE L'AGRICULTURE
CRDA : DE L'ARIANA

| | |
|---|-----------------------------|
| PLAN N°: P1000 | PROJET: VIATRA |
| DIRECTION: Direction des Travaux Ruraux | TYPE: ETUDE DE BASE |
| SCHEMA: 1/2000 | ALIMENTATION EN EAU POTABLE |
| DATE: Aout 1966 | DES ZONES RURALES |
| | TRACE EN PLAN 2/4 |

STUDI

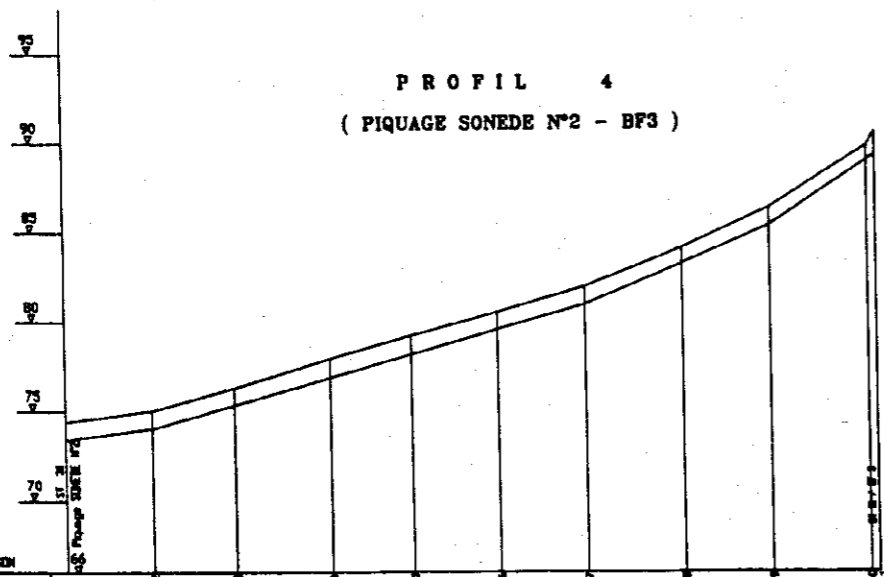




LEGENDE DU NIVEAU PROJETE

| | |
|--|----------------------|
| | Pipe d'axe principal |
| | Branche projecte |
| | Valve |
| | Hydrant |
| | Cuvette |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |
| | Structure |


PROFIL 4
(Piquage Sonde N°2 - BF3)



Bv Ph : 0.00
 Au Ph : 459.13
 Ech. V. Vert. : 1/2000
 Ech. H. : 1/200

PLANS DE COMPARAISON

| INDICES DES PROFILS | 49.80 | 49.80 | 54.41 | 46.82 | 49.47 | 49.46 | 54.50 | 51.67 | 54.88 | |
|-----------------------|------------------|-------|---------|--------|---------|--------|---------------|--------|---------|--------|
| DISTANCES PARTIELLES | 6.00 | 49.20 | 6.00 | 349.40 | 388.45 | 218.30 | 374.40 | 349.20 | 381.70 | 414.40 |
| DISTANCES COMPLETES | | | | | | | | | | |
| COTES TERRAIN NATUREL | 74.41 | 75.04 | 76.20 | 77.50 | 78.82 | 80.00 | 81.17 | 82.10 | 83.00 | 83.50 |
| COTES PROJETEES | 72.41 | 74.44 | 75.20 | 76.50 | 77.82 | 79.00 | 80.17 | 81.10 | 82.00 | 82.50 |
| DIFFERENCIAL | 2.00 | 0.60 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| DECLIVITE TRANS | P=-1.26% | | P=2.86% | | P=4.16% | | P=6.41% | | P=6.41% | |
| SIGNETIC | POND 6.3 PH10 | | | | | | POND 6.3 PH10 | | | |
| ALIGNEMENTS A COURBES | Alignement droit | | | | | | | | | |



REPUBLIQUE TUNISIENNE
MINISTERE DE L'AGRICULTURE
CRDA DE L'AMANA

| | |
|-----------------------------|------------------|
| PLAN N° PLAN | PROJET |
| ETUDE DE BASE | TYARA |
| ALIMENTATION EN EAU POTABLE | |
| DANS LES ZONES RURALES | |
| DATE: Aout 2008 | TRAC EN PLAN 4/4 |

110