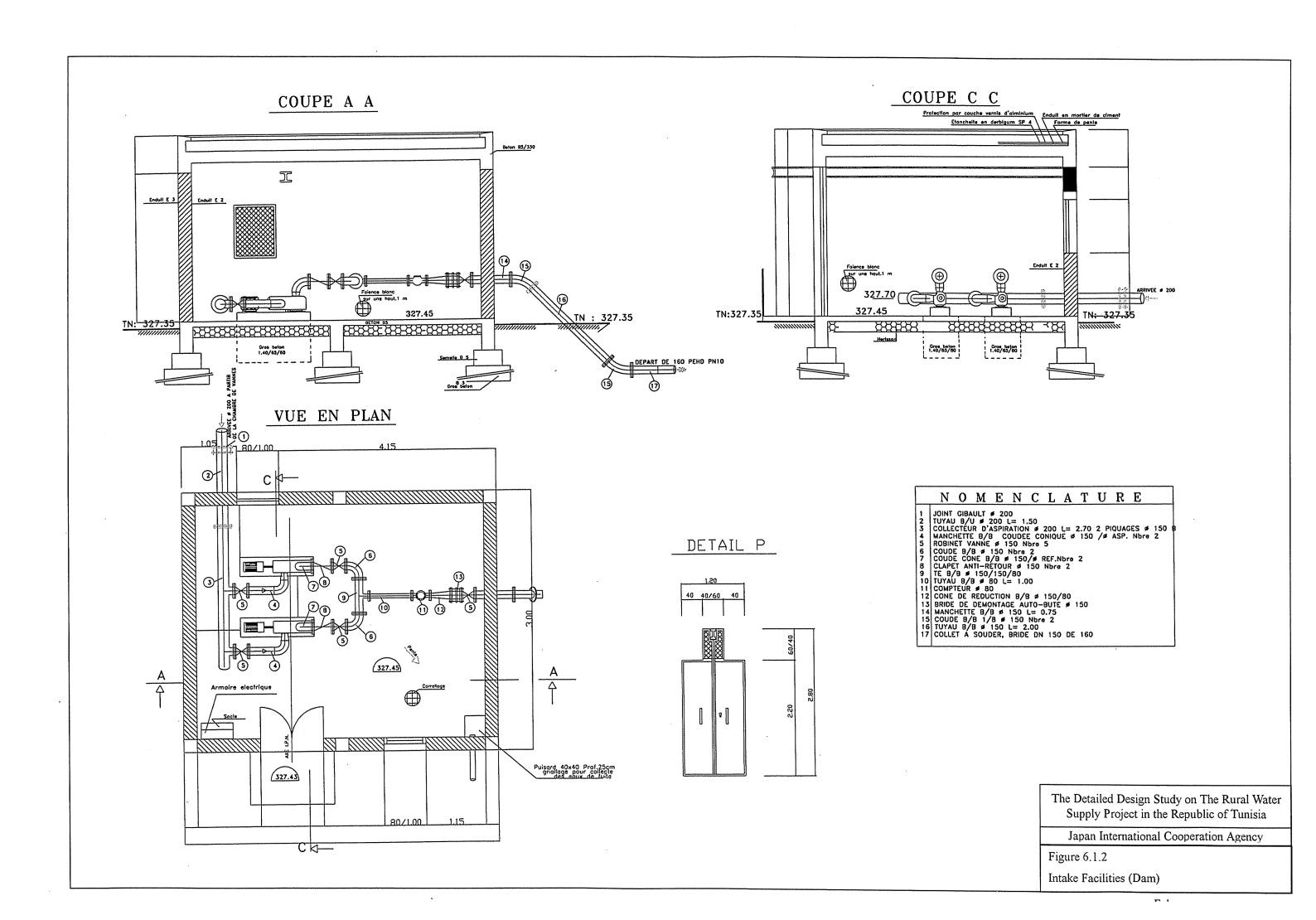
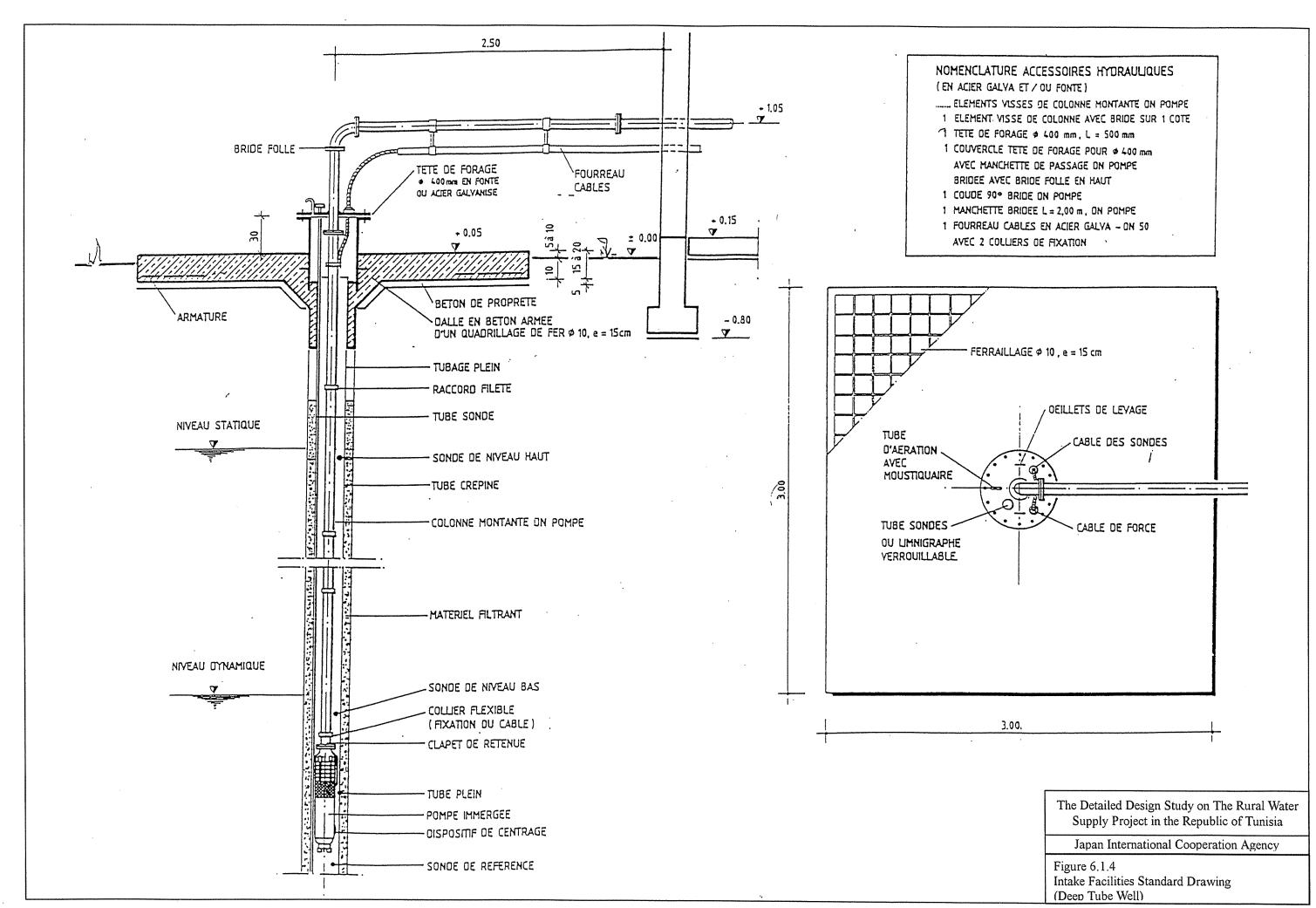
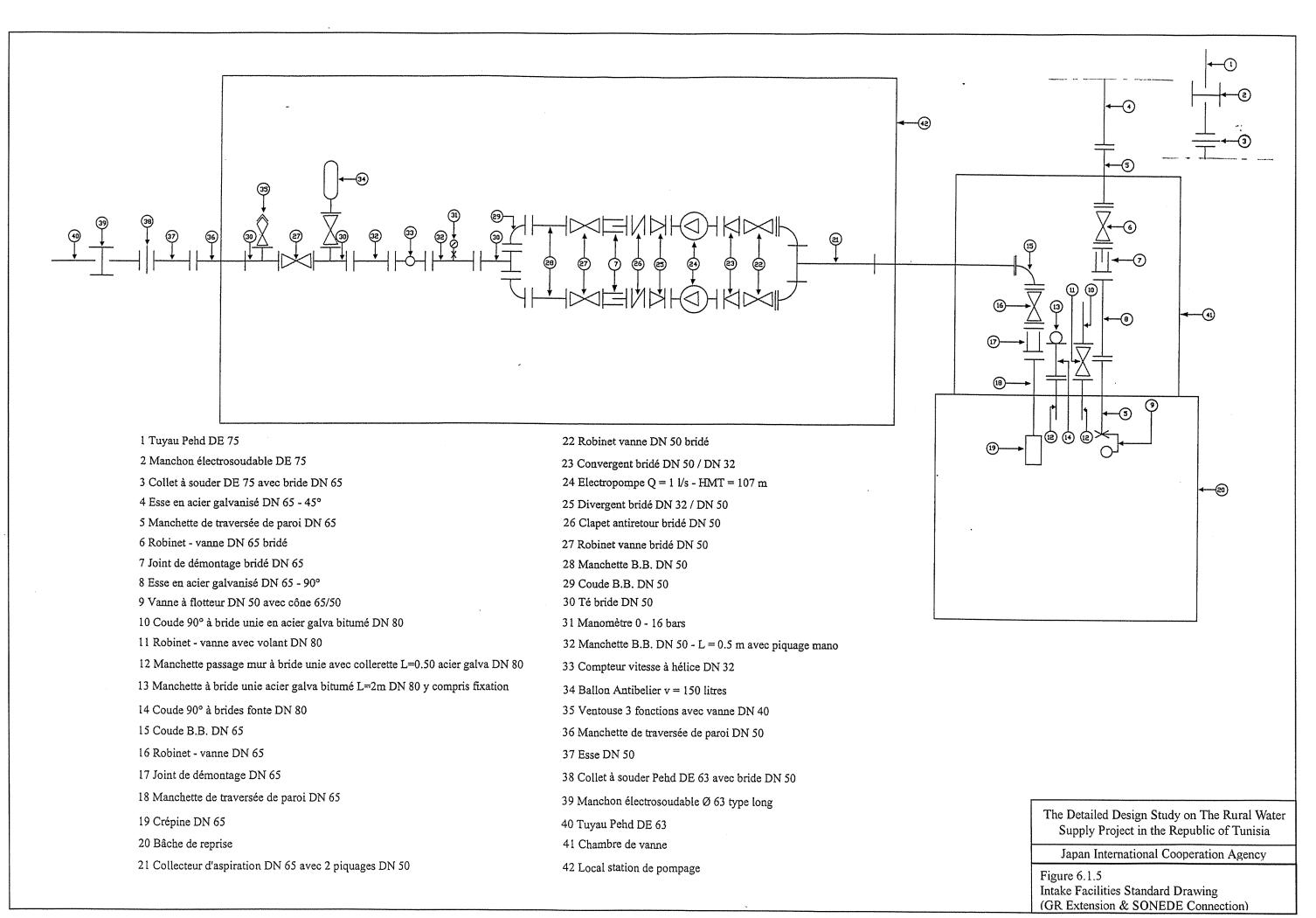
FIGURE

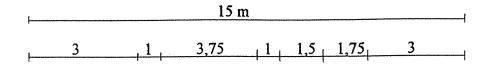


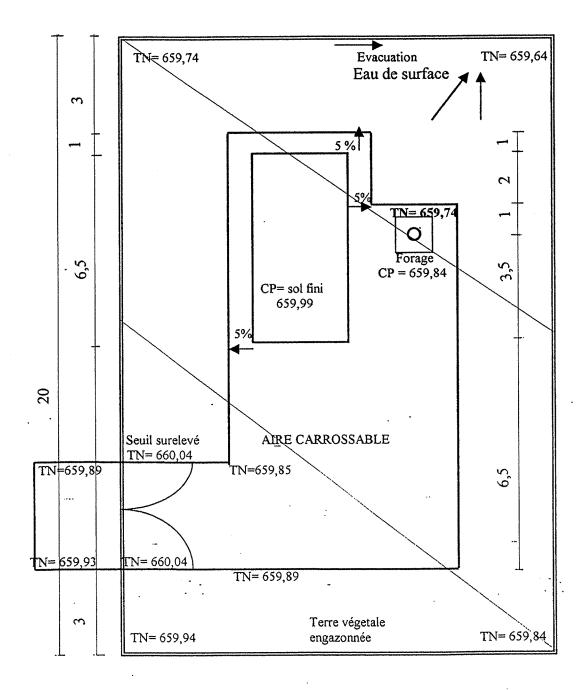
COUPE A A NOMENCLATURE DES PIERCES Quté nature Désignation acler Beton 85/350 tête de pults. Pour groupe immergé acier élément de suspension sur tête de puits acler 2 colonne montante B-B L=3 m DN 80 A ou F coude BB à 90° DN 80 2 manchette BB variable DN 80 de raccordement extérieur acler 2 A ou F manchette BB avec C.S DN 80 L = 0.5 m **DETAIL** A 2 manchette BB variable DN 80 de raccordement intérieure acler 2 clapet antirefour DN 80 à brides 2 robinet vanne à brides DN 80 Té égal à brides 80/80 10 manchette BB L = 0.80m DN 80 TN: 327.35 DETAIL A 12 compteur à brides DN 80 Gros belon 1.40/65/80 13 manchette BB L =0.50m DN 80 cone 8B 100/80 14 15 joint de démontage à brides DN 100 F 16 roblnet vanne ronde à brides DN 100 F 17 manchette BB avec CS L =0.50m DN 100 acler 18 IPN 160 support de tete SONDE NIVEAU BAS DETAIL B VUE EN PLAN 120/220 -3 IPL160 DETAIL B The Detailed Design Study on The Rural Water 80/1.00 1.15 Supply Project in the Republic of Tunisia Japan International Cooperation Agency Figure 6.1.3

Intake Facilities Standard Drawing (Spring)









PLAN DE MASSE ET D'AMENAGEMENT DE LA STATION DE POMPAGE

Vers Torch

lcoude à brides 90°, DN50
Une pompe verticalisée in line DN 50
Imanchette à brides acier galvanisé, 1=50m, DN50
Icompteur à brides, à entrainement magnétique, classe B, DN 50 (9 m³/h)
Icône à brides, DN50/60
Iclapet de non retour à brides, DN 60
ITé à brides, DN60/60
Iventouse double effet, avec vanne d'arrêt, DN60
Irobinet vanne, DN60
Imanomètre Ø16cm avec 2 seuils réglables NP raccord Ø1/2", avec robinet vanne à trois voies
Imanchette à brides de passage mur, 1=0,50m, acier galvanisé DN 60
2coudes à brides 90° DN60
I manchette à brides, 1=1,2 m DN60
I cône à brides, 60/150
Iraccord bride-manchon

Le poste de chloration comporte :

1clapet Ø1/2"PVC

Ivalve de surpression Ø1/2"PVC

• pour PEhd DE160

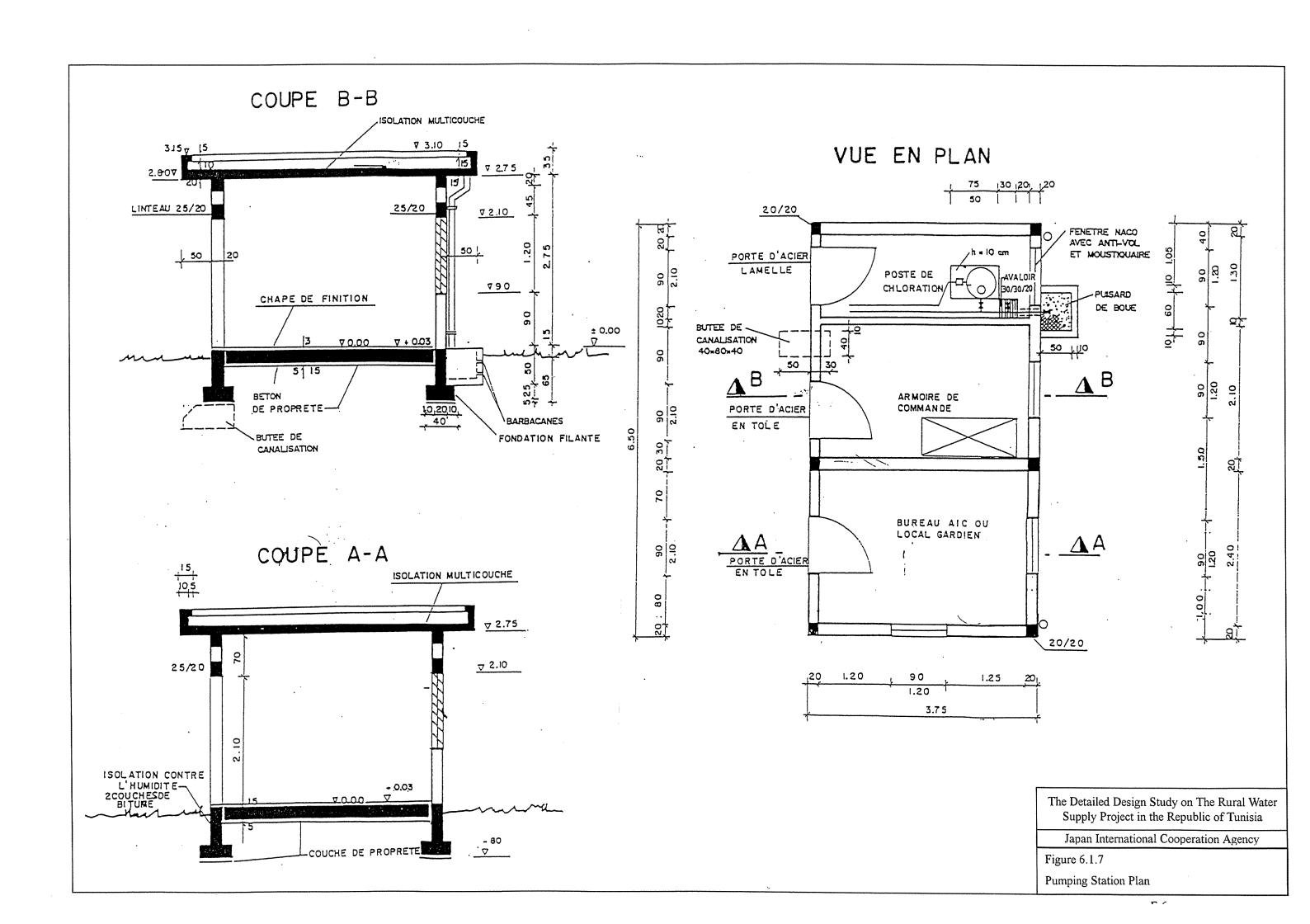
lcanne d'injection Ø 3/8" PVC
lréduction Ø1/2 à 3/8" PVC
lraccord de démontage Ø1/2"PVC
tuyauterie PVC Ø1/2"
raccord collés (coudes 90°, Tés, manchons)
colliers de fixation
lpompe d'injection de chlore 3 l/h PN16, avec raccords, tube d'aspiration, crépine et valve à billes
l bac de préparation en PVC, volume 40 l, avec trappe de remplissage, raccord d'aspiration,

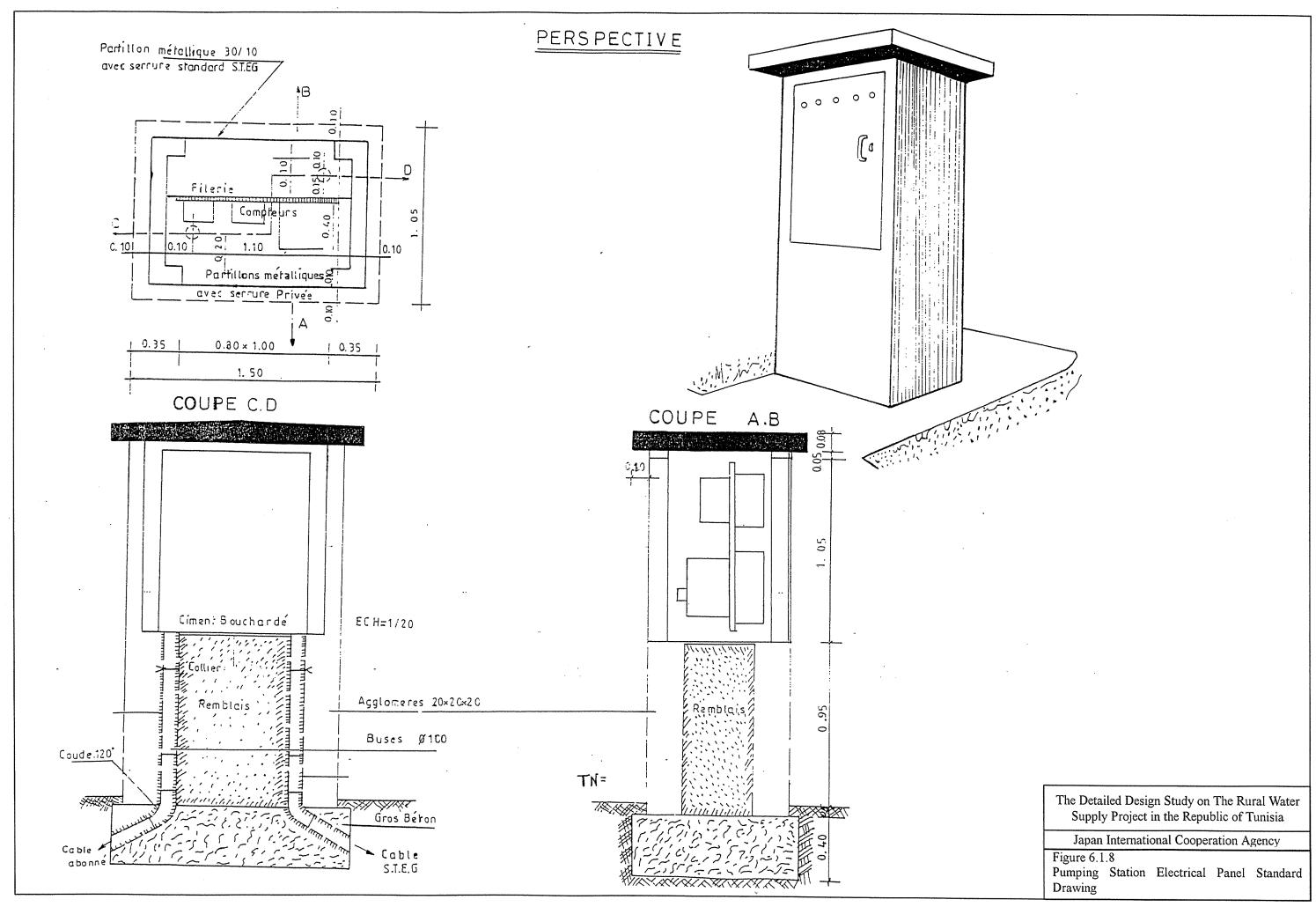
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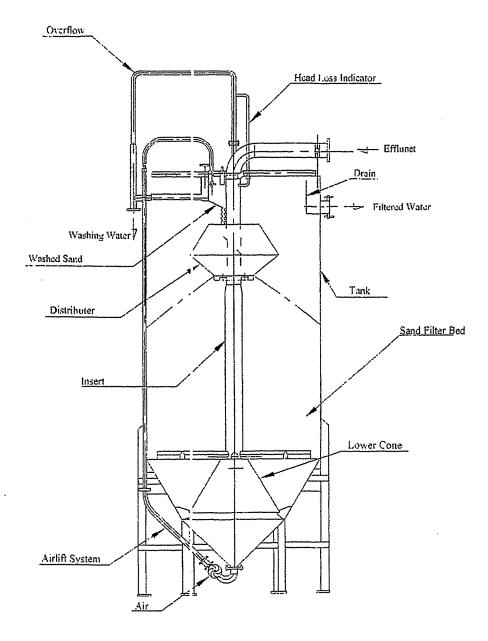
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Figure 6.1.6

Pumping Station Layout Drawing







Drawing of Filtration with Continuous Filter Sand Washing System

Explanation Note

The filtration system to be adopted in the water supply system of "Complex AEP Barbara".

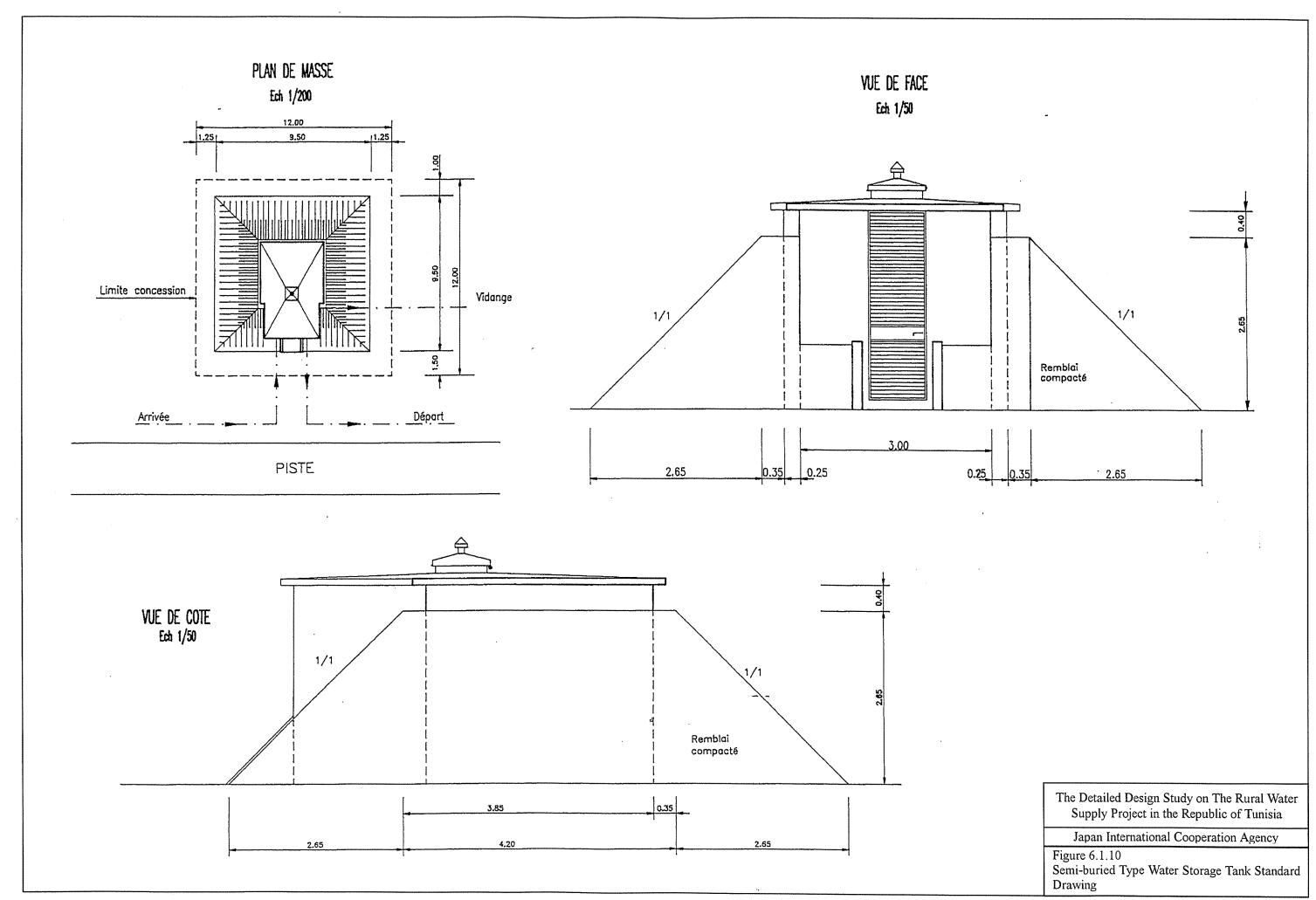
- 1. The filtration station consists in a sand filter, continuous wash type cylinder-cone shaped filter, developed for undertaking an optimal liquid/solid separation. Suspended particles are trapped in a sand bed in a going down movement, while effluents in a going up movement.
- 2. Raw or flocculated effluents fed from the top of the filter goes through a central tube and distributed regularly by means of distribution blades on its bottom. Then effluents go up through the sand bed and the filtered water passes the overflow.
- 3. Sand and trapped matters in suspension go down permanently toward the lower cone up to the air lift device outside the filter.
- 4. Fed by two compressed air injectors, the air lift device separates sand from trapped solids and bring them in a separating and washing chamber located upper side of the filter.
- 5. Then, the sand is washed by counter flow of filtered water fraction through a special zigzag shaped pipe.
- 6. The clean sand joins again the clean sand in the uniform way in the isolation box located under the washing chamber. Then, the sand is finally rinsed and used as filtering means. There is no contact between washed sand and filtering sand.
- 7. The filtered water fraction used for washing sand involves separated sequences in suspension and are then drained off through an upper located overflow provided for this purpose. Level of this overflow device is manually adjustable.
- 8. The filtered water is then disinfected through the chlorinating station provided with measuring pumps.

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Figure 6.1.9

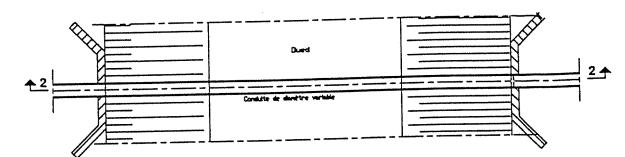
Package Plant System Drawing

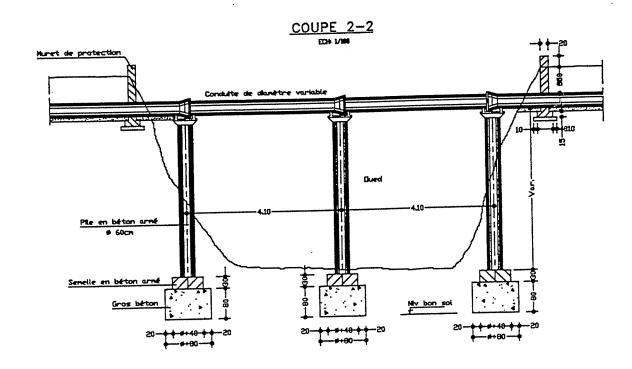


PASSAGE AERIEN D'UNE CONDUITE SUR ECOULEMENT

\$36, \$43, \$635

VUE EN PLAN EDH 1/100

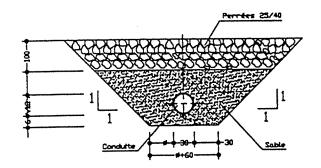




PASSAGE ENTERRE D'UNE CONDUITE SUR ECOULEMENT

S12, S15, S67, S76, S544

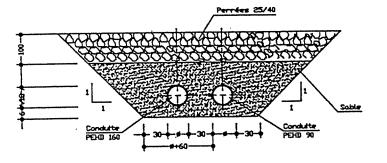
COUPE EDH 1/38



PASSAGE ENTERRE DE DEUX CONDUITES SUR ECOULEMENT

<u>S17-1</u>

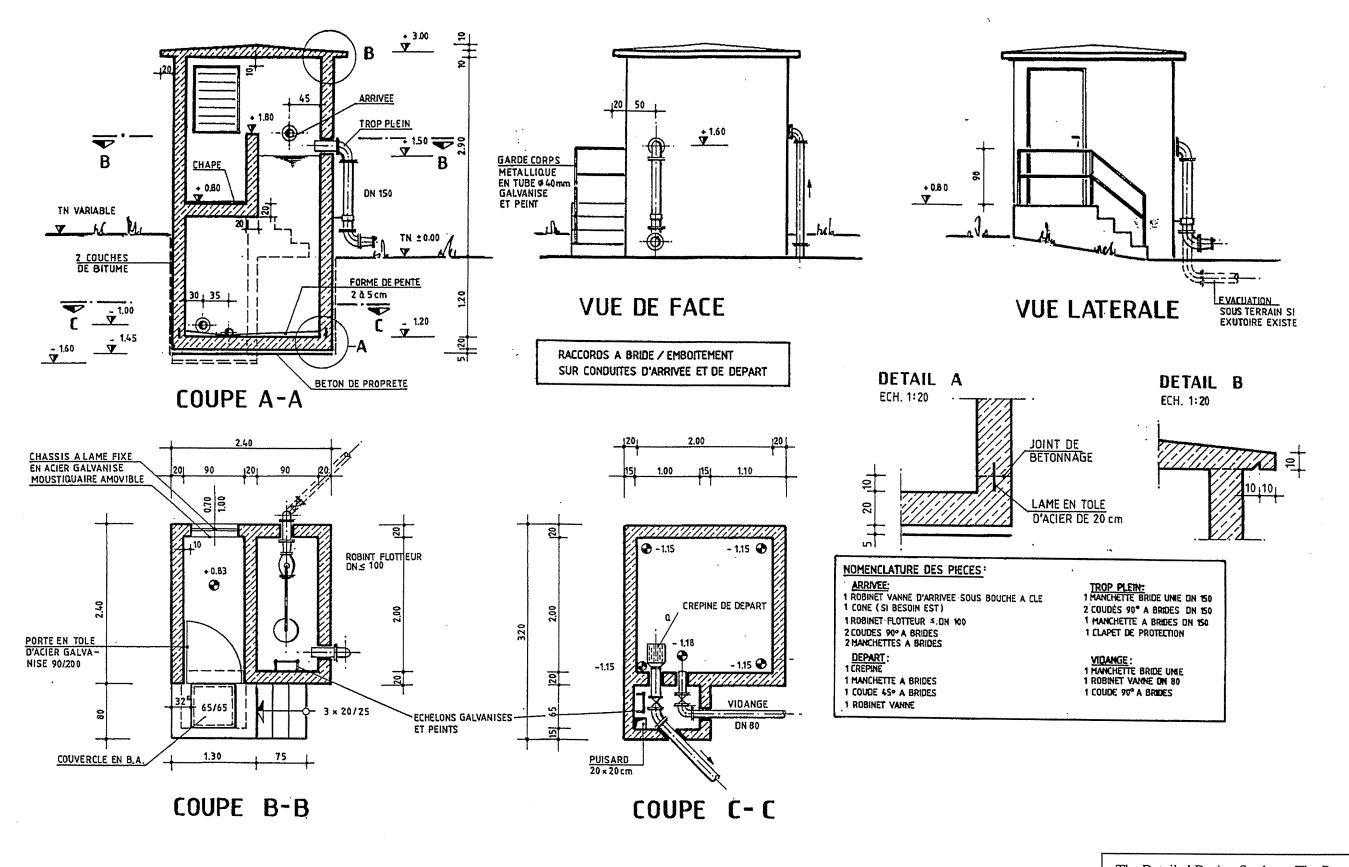
COUPE



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Figure 6.1.11
Pipe Installation and River Crossing Standard Drawing



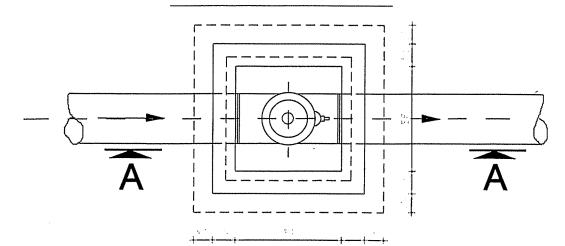
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Figure 6.1.12

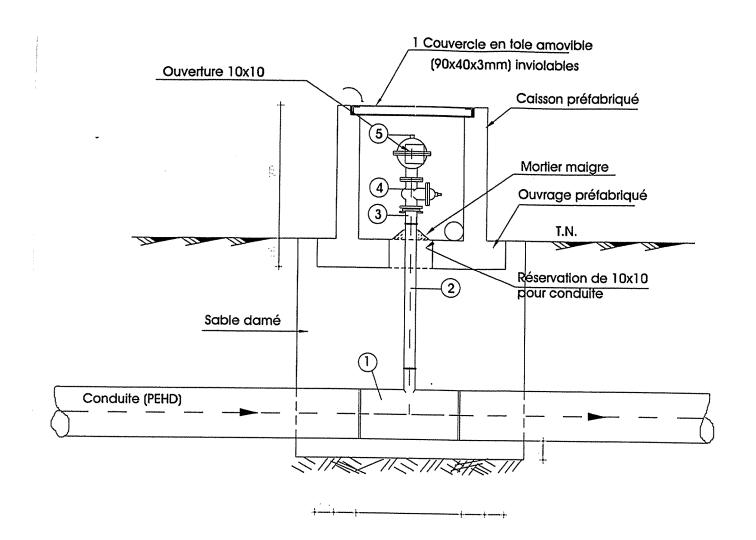
Break Pressure Tank Standard Drawing

VUE EN PLAN



-NOMENCLATURE DES PIECES-

N°	Designation	Nat.	Nbre
1	Té réduit DE / 63	F	1
2	Manchette PEHD Dé / 63 L=1.00 m	F	1
3	Collet à souder PEHD DE 63 avec bride folle DN 50	F	1
4	Robinet vanne à bride DN 50	F	1
5	ventouse DN 50	F	1



VENTOUSE COUPE A-A

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Figure 6.1.13

Air Valve Standard Drawing

