

5. 基本設計図

THE REPUBLIC OF YEMEN

GENERAL AUTHORITY FOR RURAL ELECTRICITY AND WATER
MINISTRY OF ELECTRICITY AND WATER

THE PROJECT FOR RURAL WATER SUPPLY

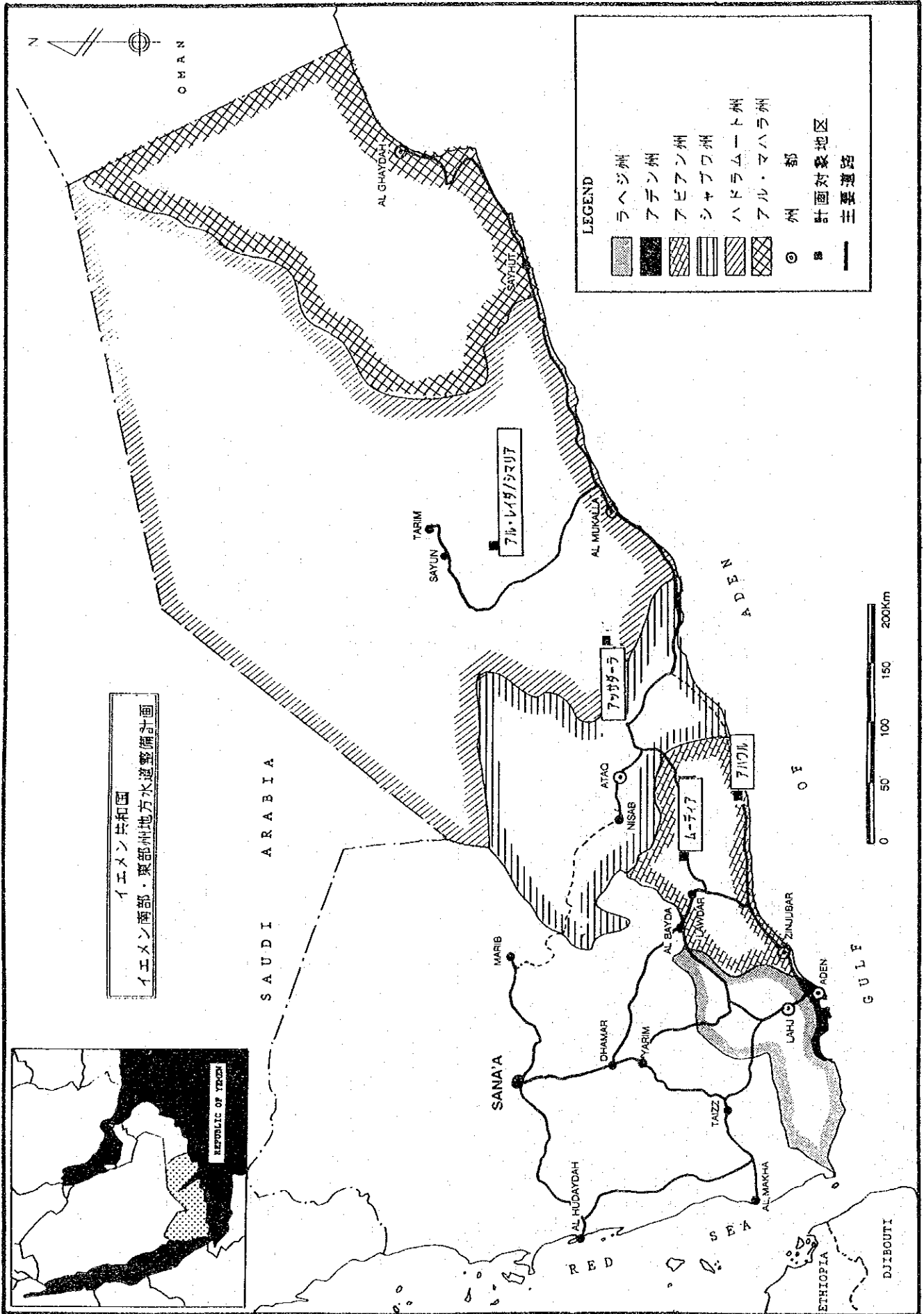
BASIC DESIGN
DRAWINGS

APRIL, 1994

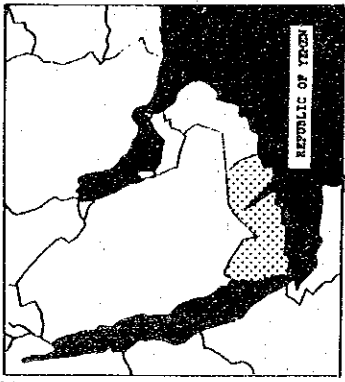
JAPAN TECHNO CO., LTD
TOKYO, JAPAN

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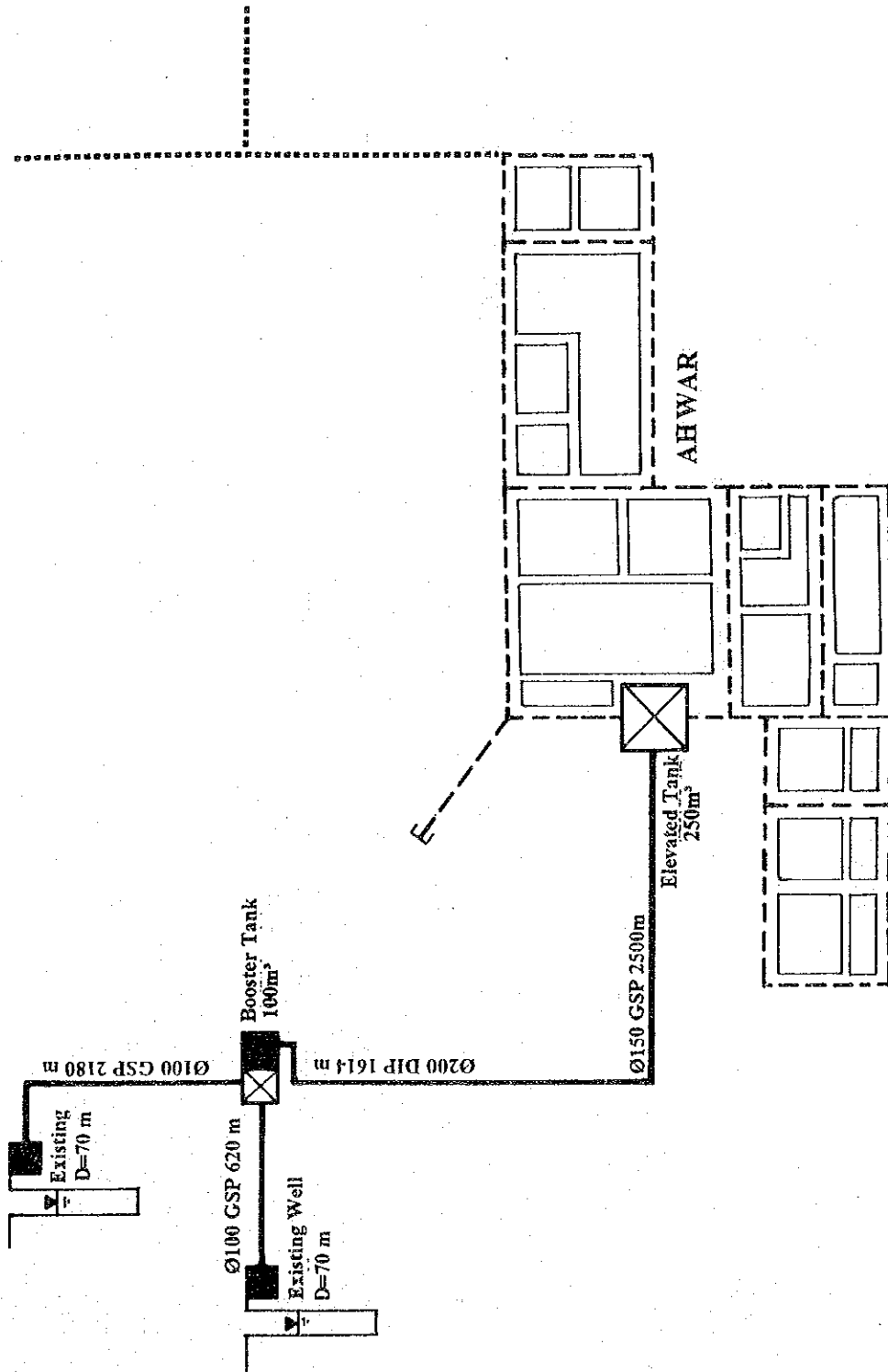


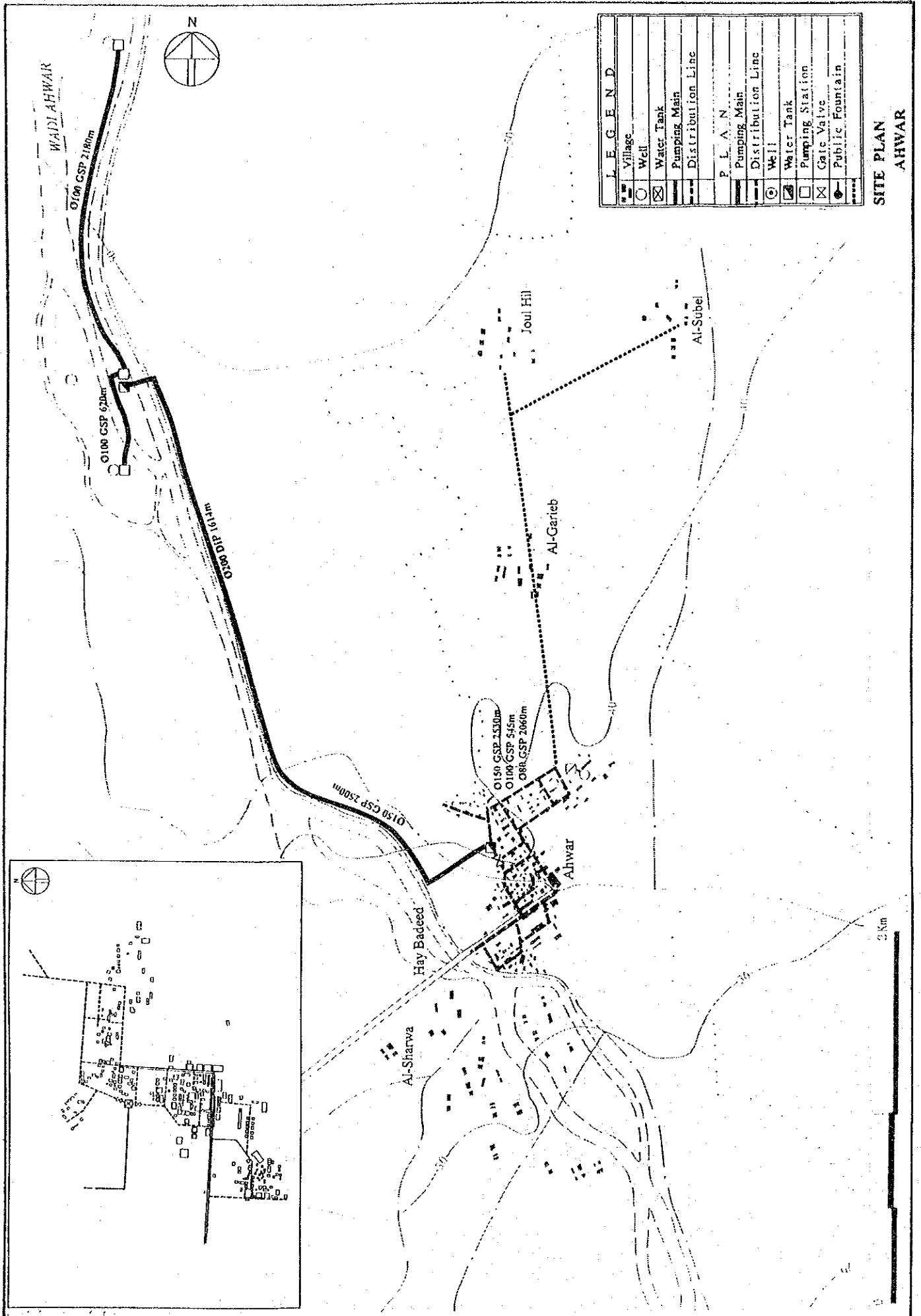
イエメン共和国
イエメン南部・東部州地方水道整備計画

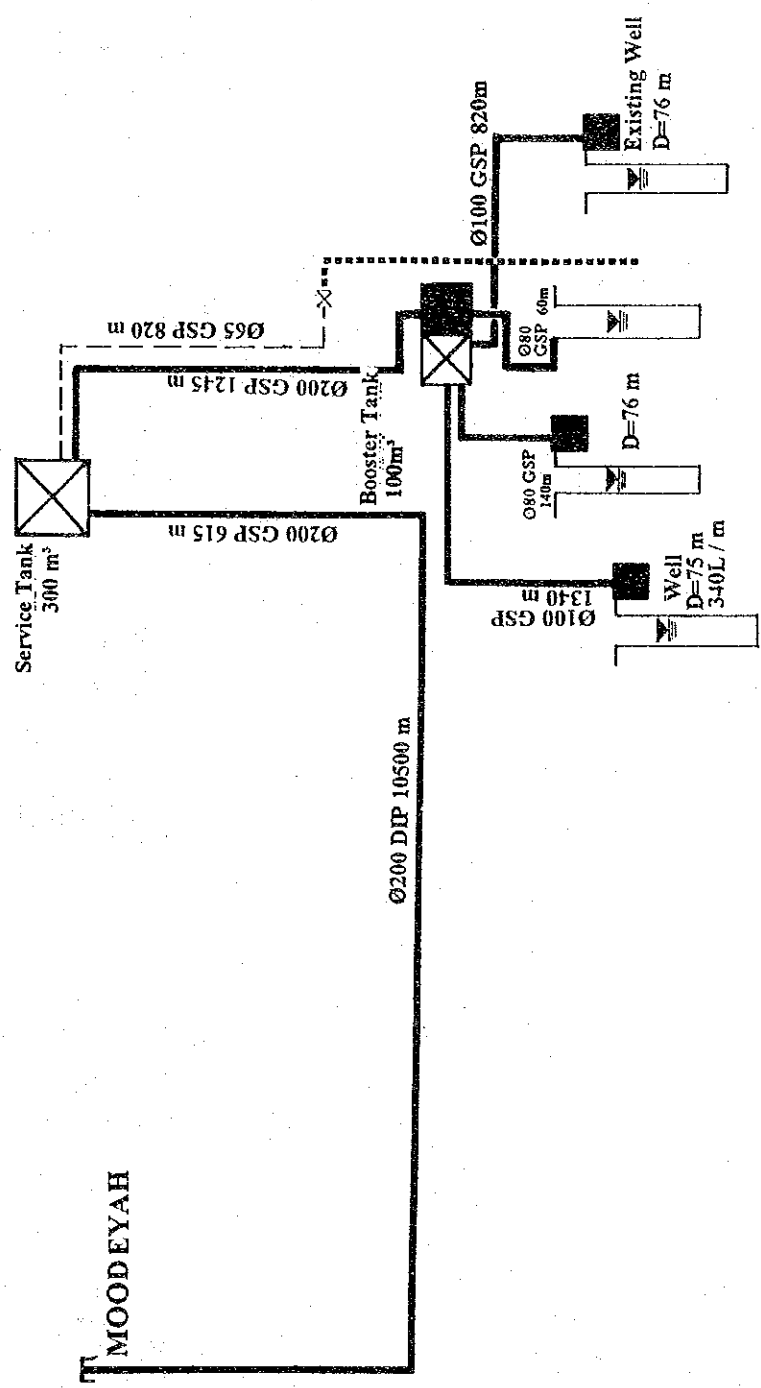


A. FLOW DIAGRAM / SITE PLAN

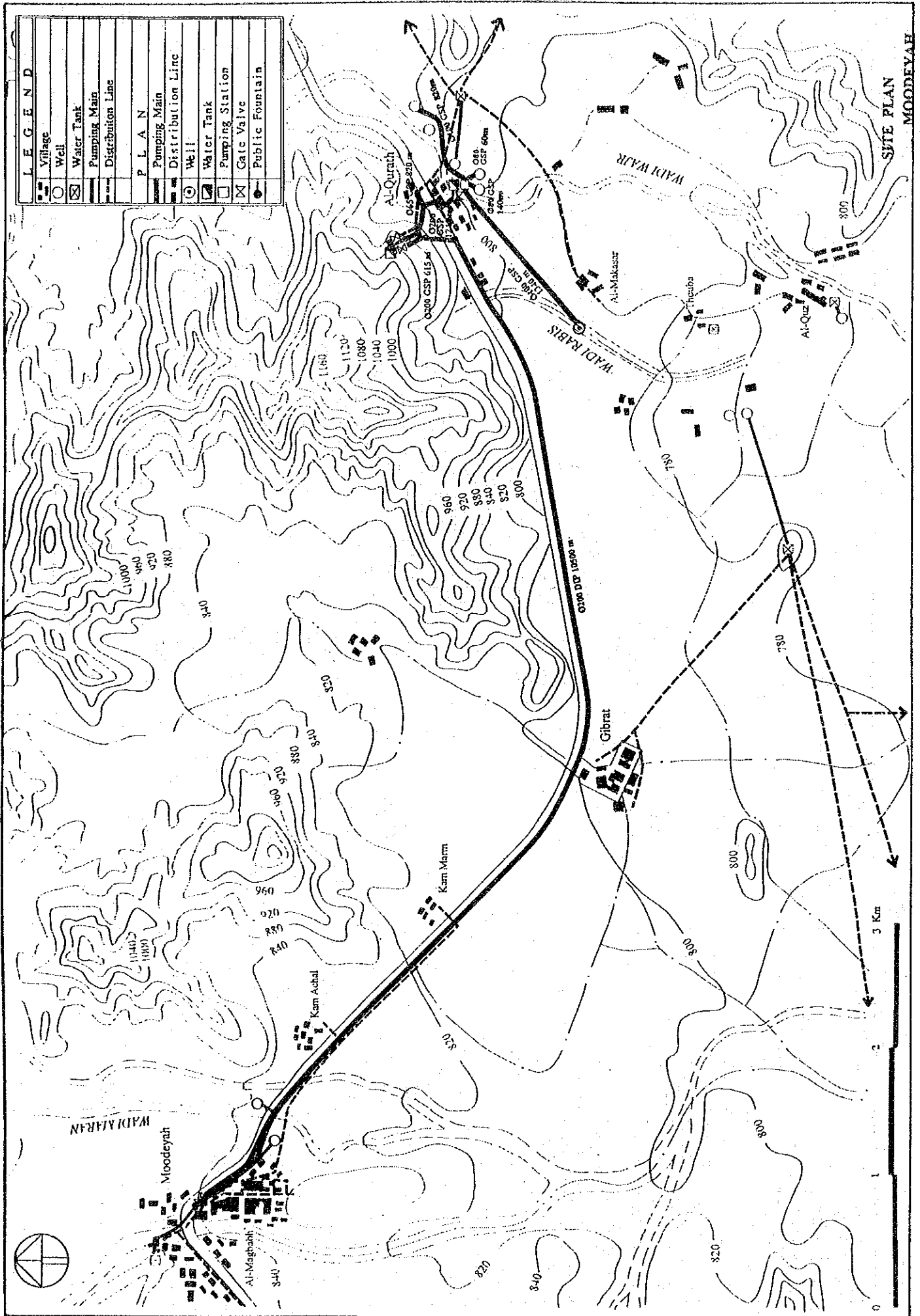
FLOW DIAGRAM
AHWAR





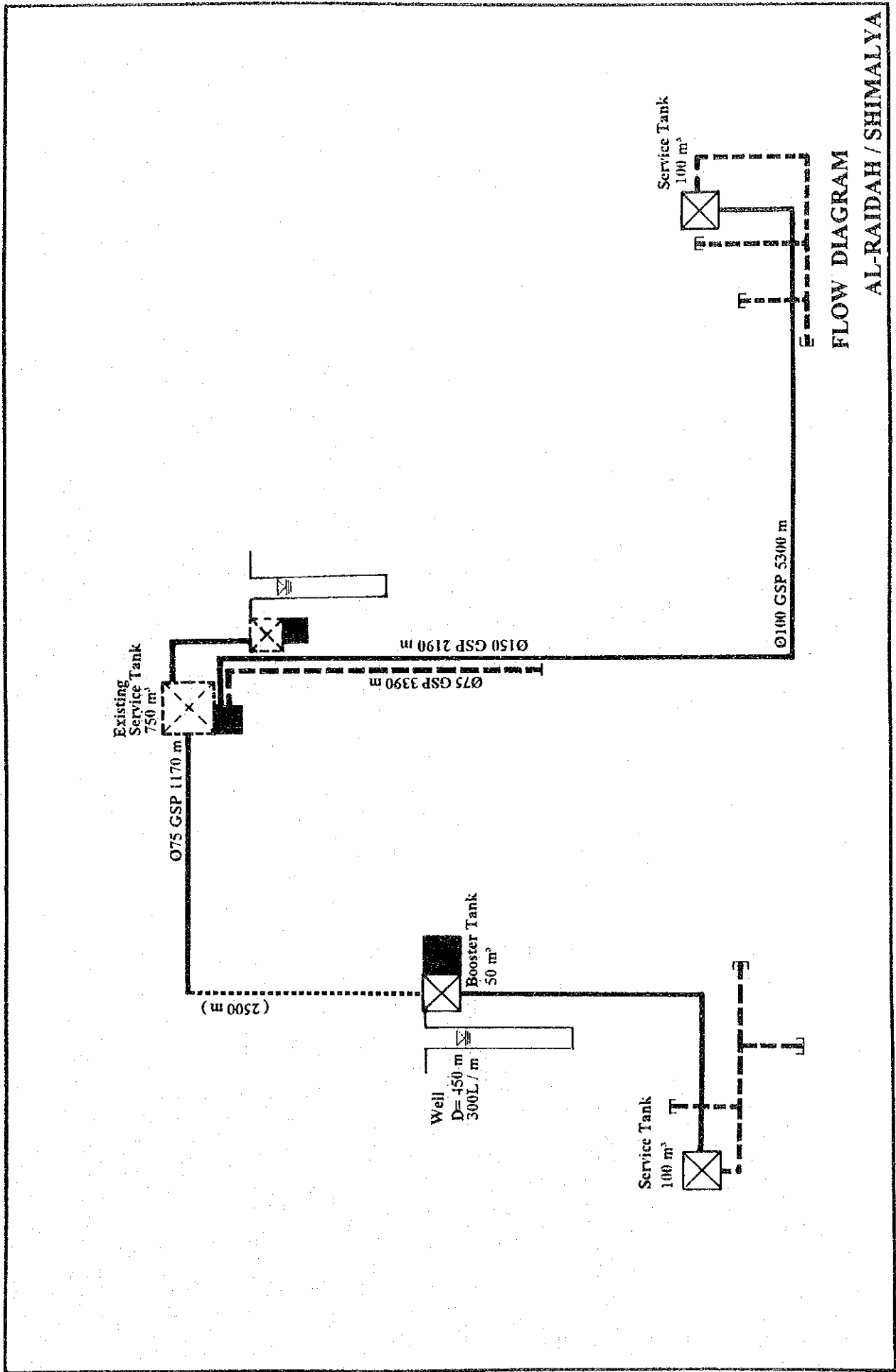


FLOW DIAGRAM
MOODEYAH



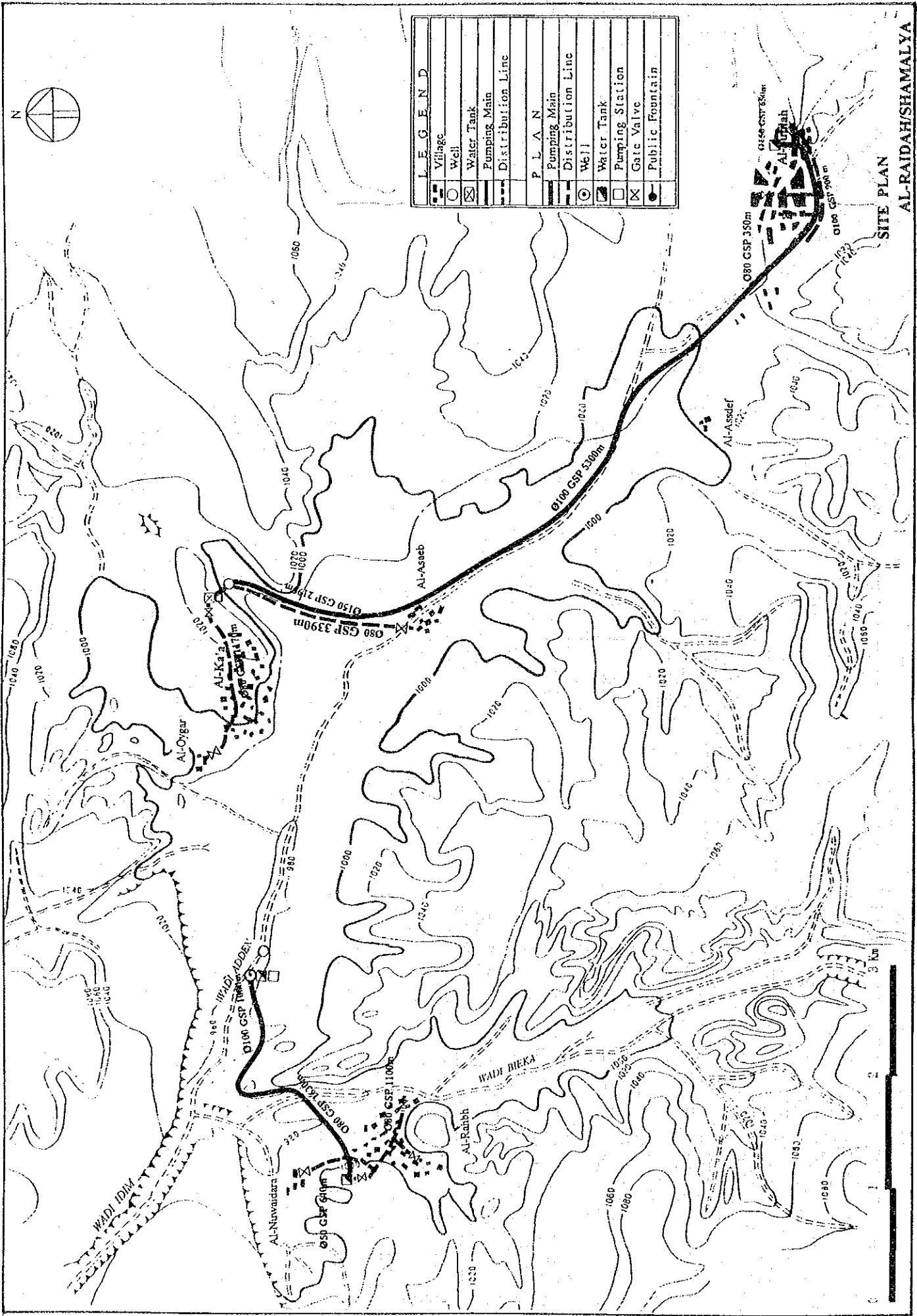
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[Symbol]	Village
[Symbol]	Well
[Symbol]	Water Tank
[Symbol]	Pumping Main
[Symbol]	Distribution Line
P L A N	
[Symbol]	Pumping Main
[Symbol]	Distribution Line
[Symbol]	Well
[Symbol]	Water Tank
[Symbol]	Pumping Station
[Symbol]	Gate Valve
[Symbol]	Public Fountain

SITE PLAN
MOODEYAH



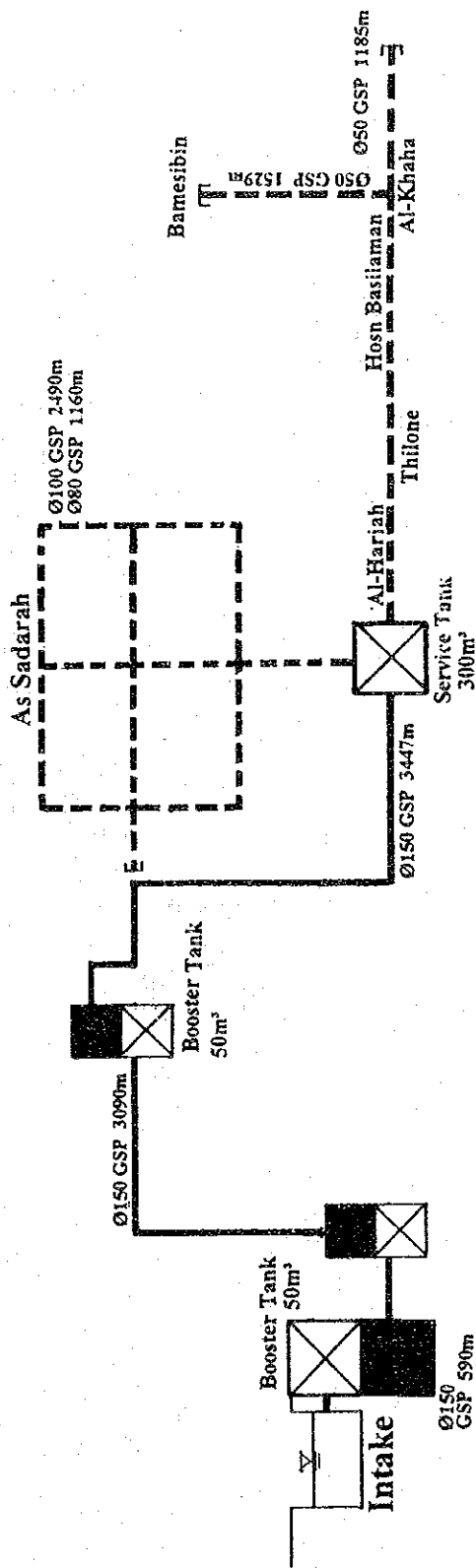
FLOW DIAGRAM

AL-RAIDAH / SHIMALYA

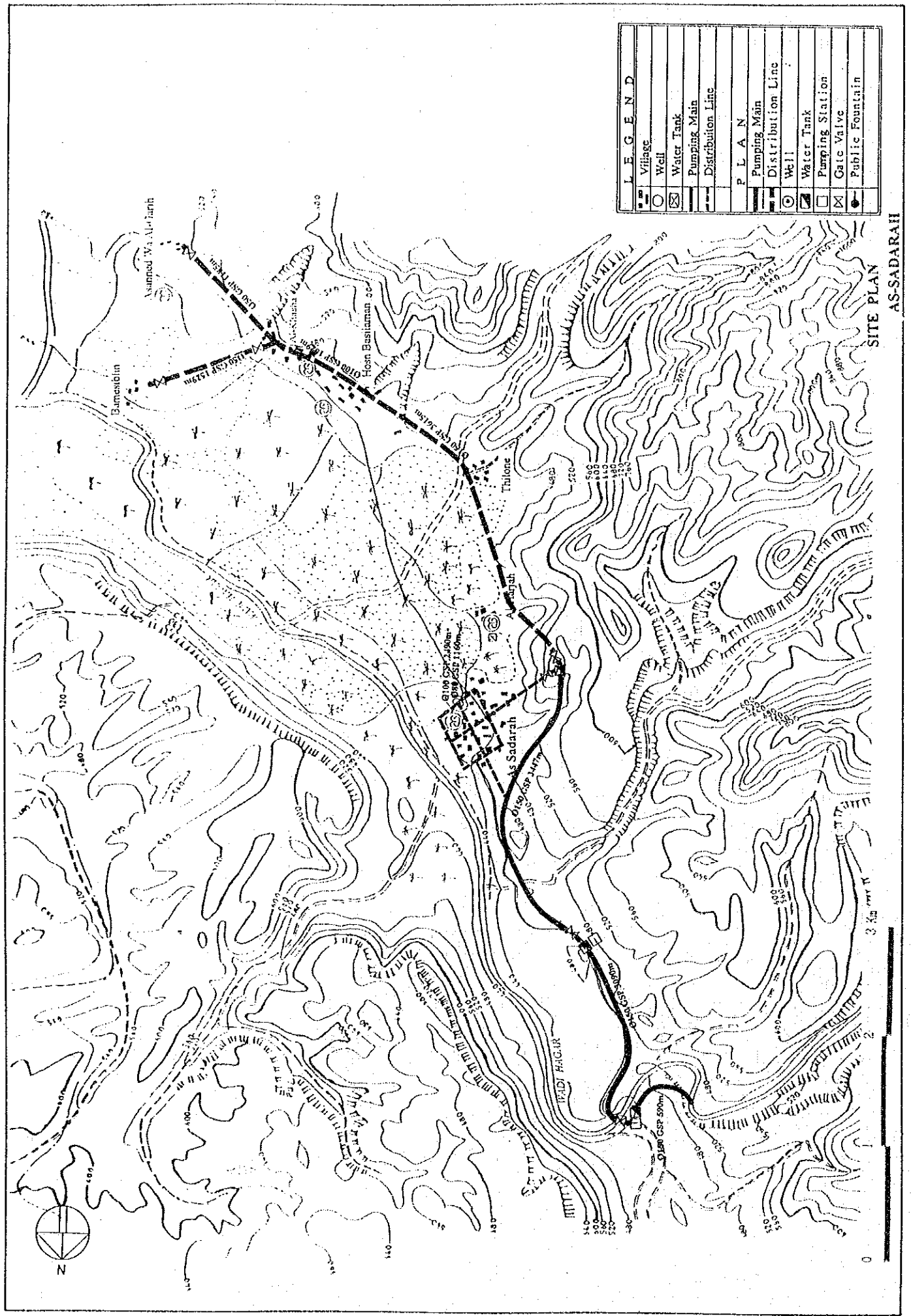


L E G E N D	
[Symbol]	Village
[Symbol]	Well
[Symbol]	Water Tank
[Symbol]	Pumping Main
[Symbol]	Distribution Line
P L A N	
[Symbol]	Pumping Main
[Symbol]	Distribution Line
[Symbol]	Well
[Symbol]	Water Tank
[Symbol]	Pumping Station
[Symbol]	Gate Valve
[Symbol]	Public Fountain

AL-RAIDAH/SHAMALYA
SITE PLAN

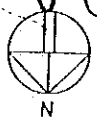


**FLOW DIAGRAM
AS SADARAH**

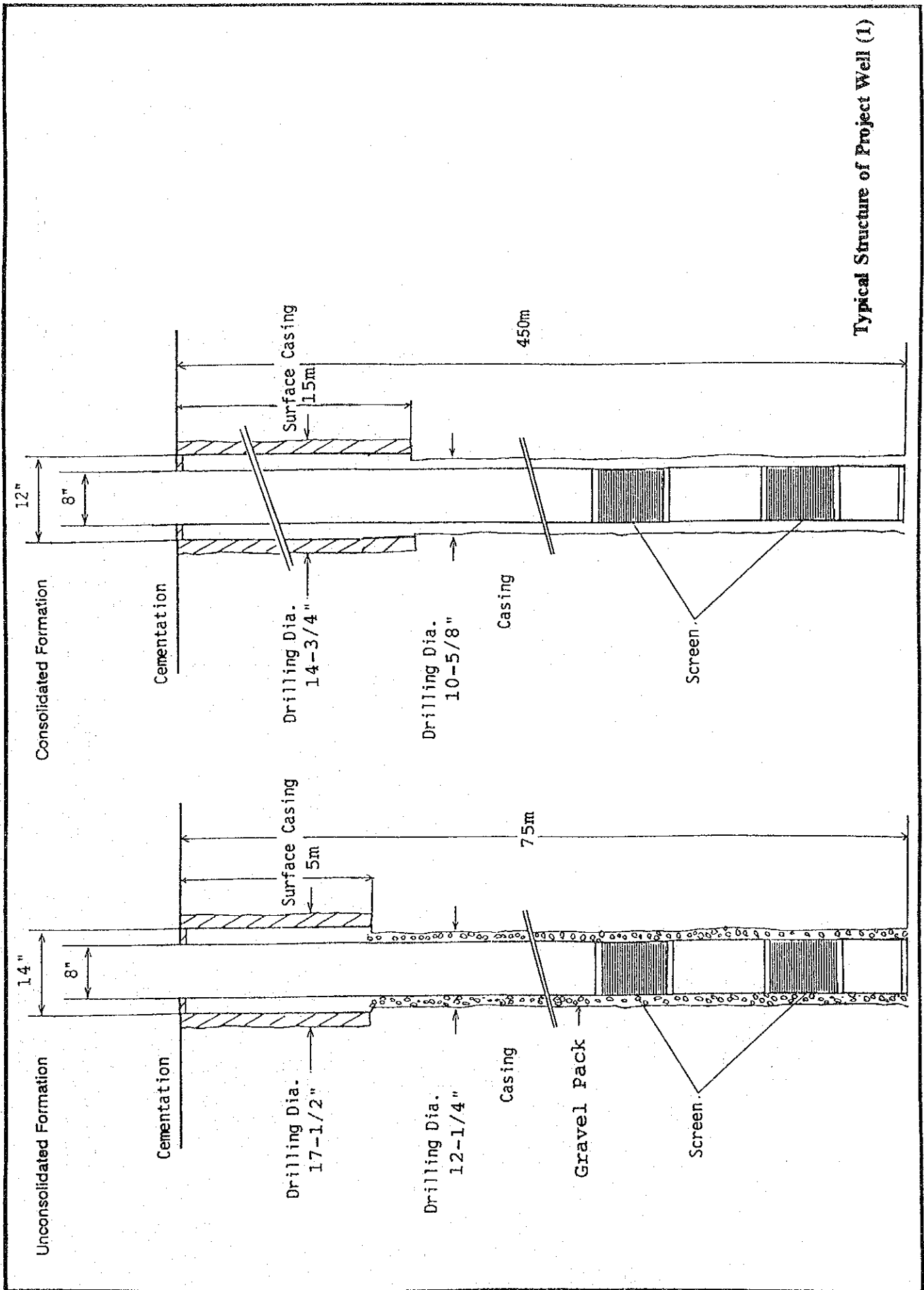


L E G E N D	
[Symbol]	Village
[Symbol]	Well
[Symbol]	Water Tank
[Symbol]	Pumping Main
[Symbol]	Distribution Line
P L A N	
[Symbol]	Pumping Main
[Symbol]	Distribution Line
[Symbol]	Well
[Symbol]	Water Tank
[Symbol]	Pumping Station
[Symbol]	Gate Valve
[Symbol]	Public Fountain

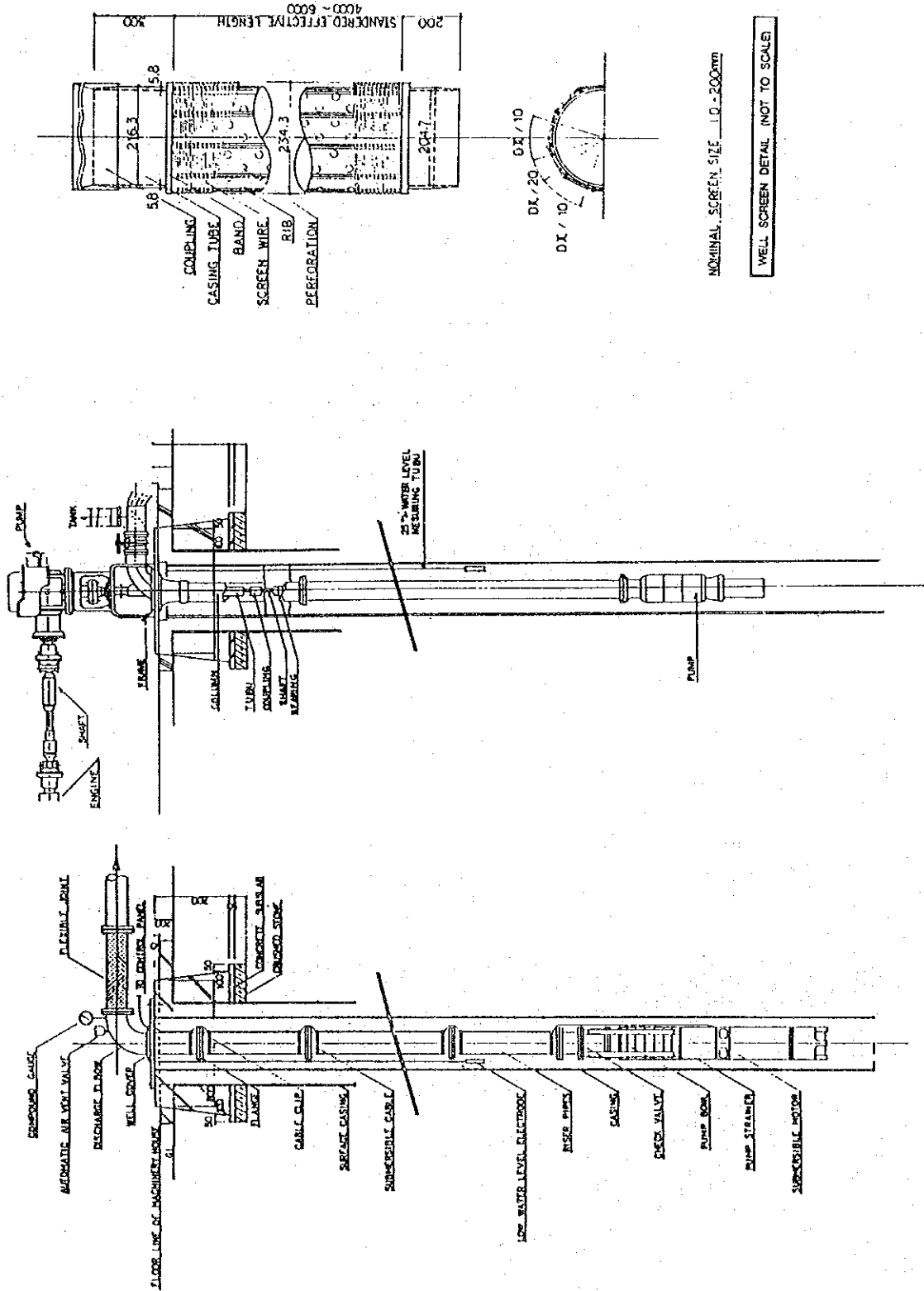
AS-SADARAH
SITE PLAN



B. DETAILS OF WATER SUPPLY FACILITIES



Typical Structure of Project Well (1)



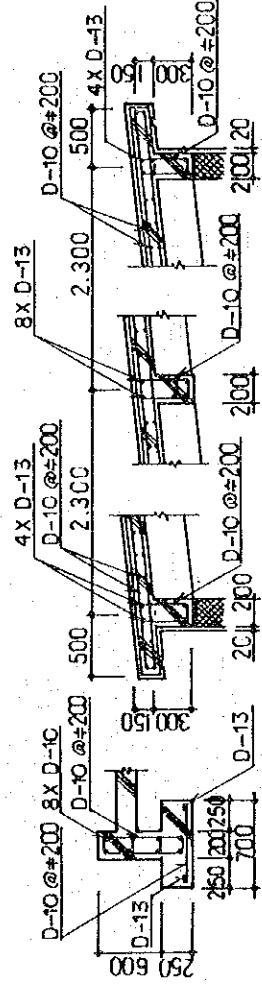
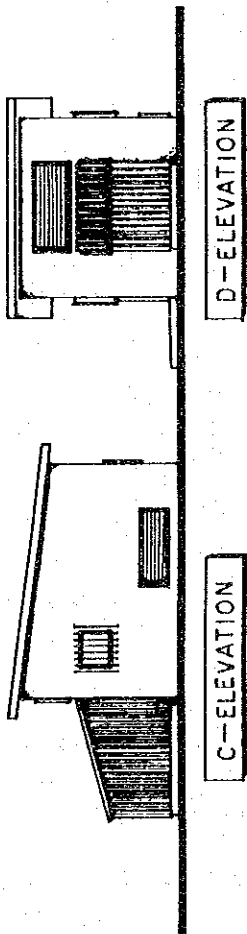
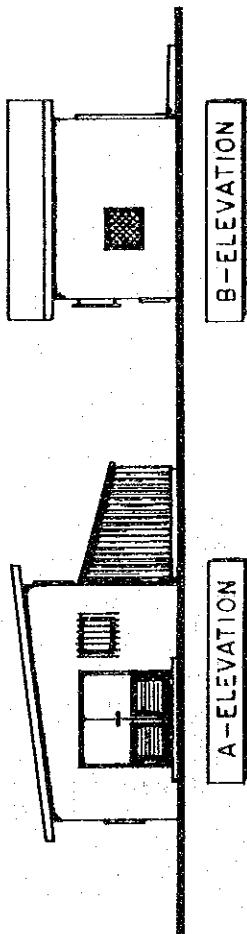
DETAIL OF BORE HOLE PUMP INSTALLATION (NOT TO SCALE)

DETAIL OF SUBMERSIBLE PUMP INSTALLATION (NOT TO SCALE)

WELL SCREEN DETAIL (NOT TO SCALE)

NOMINAL SCREEN SIZE 1.0 - 2.00mm

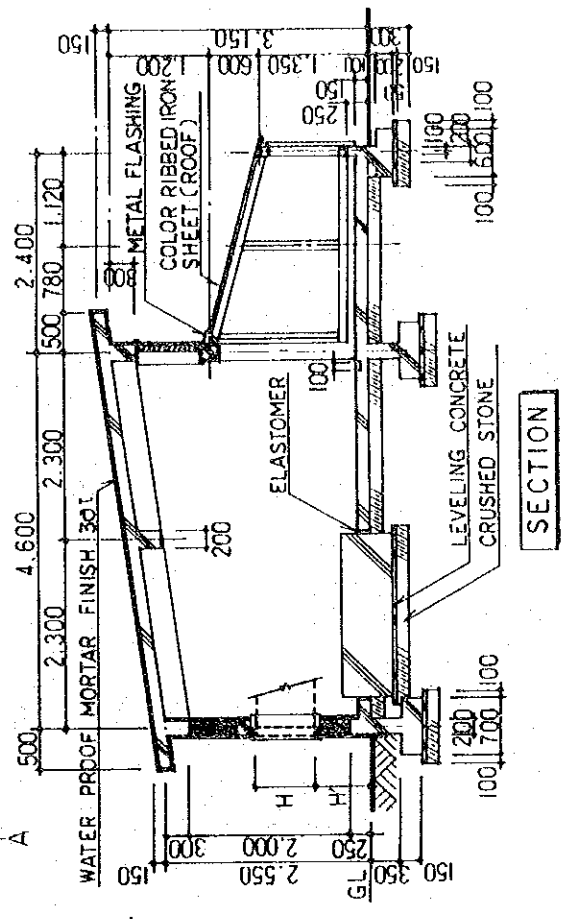
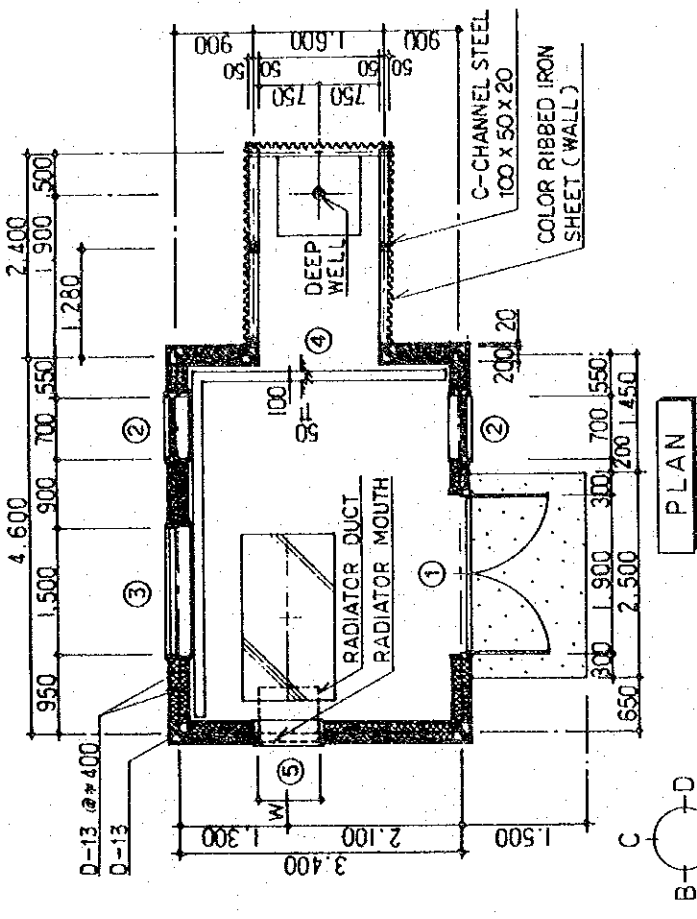
Typical Structure of Project Well (2)



①	STEEL DOOR (W/DOOR GRILLE & INSECT SCREEN)	W 950 X H 1800 X 2 ea
②	FIXED WINDOW WIRED GLASS 6.8t (W/GRILLE)	W 700 X H 700 X 2LS
③	OUTER AIR INTAKE GRILLE (W/INSECT SCREEN)	W 1500 X H 500
④	EXHAUST AIR GRILLE (W/INSECT SCREEN)	W 1700 X H 700
⑤	RADIATOR MOUTH (STEEL NET)	

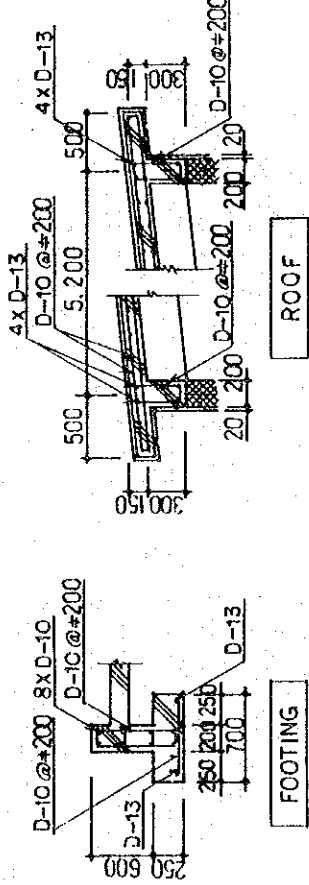
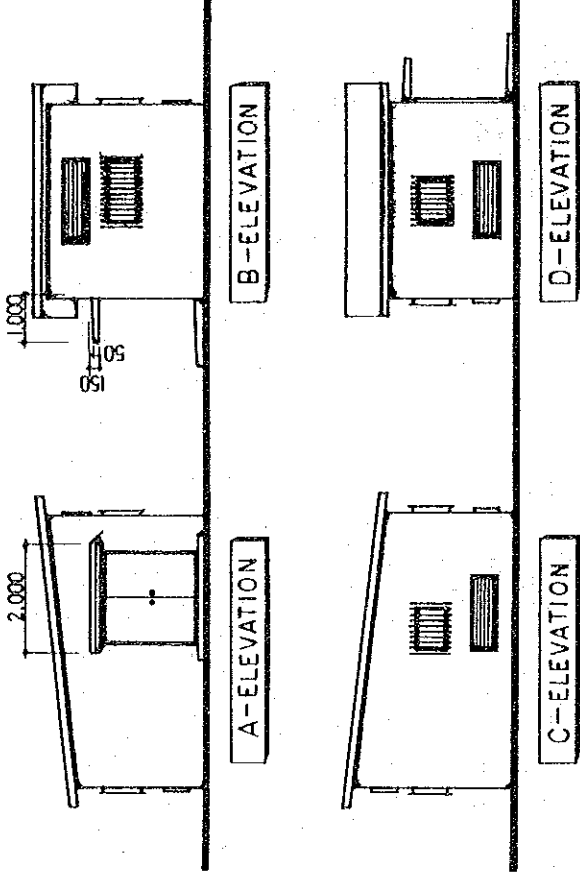
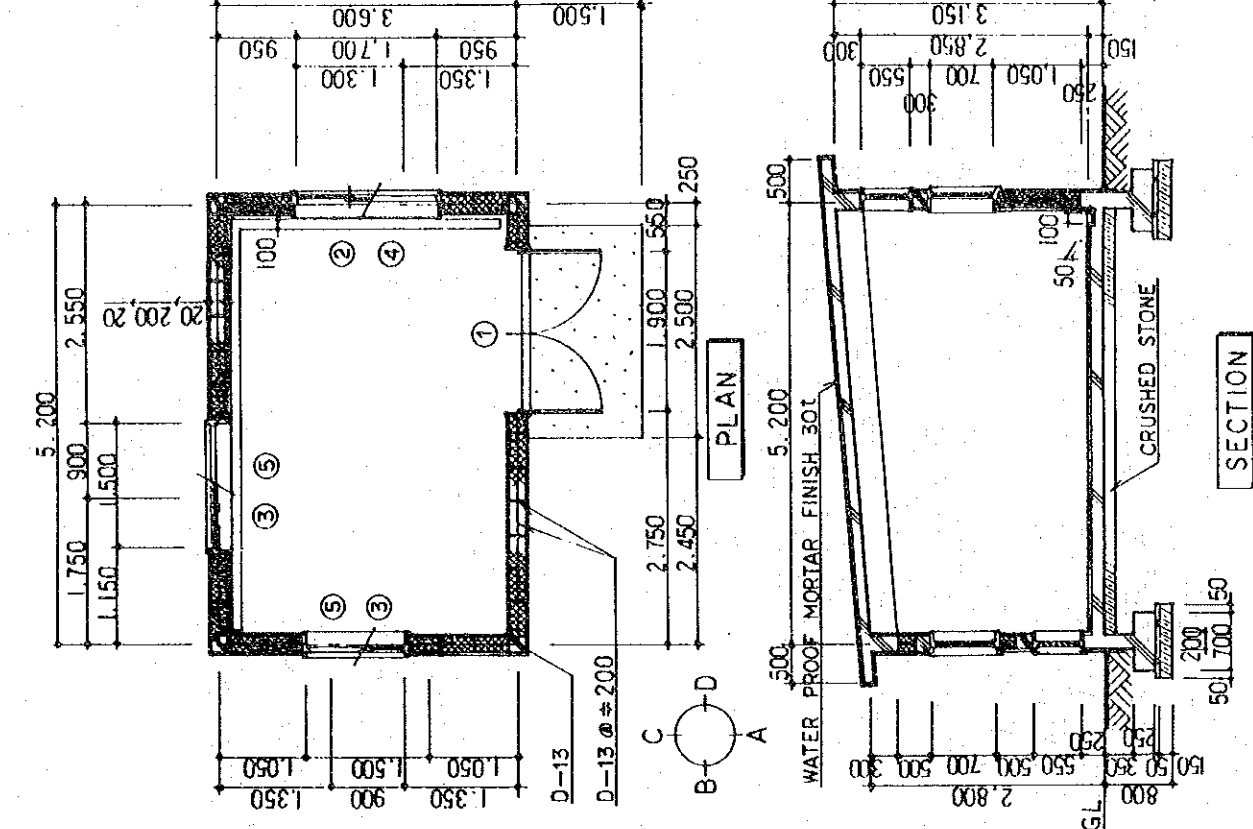
W, H and H' shall be fitted in the radiator of generator's engine

REINFORCEMENT: D-10 X 4ea, HOOP : D-10 @ = 200



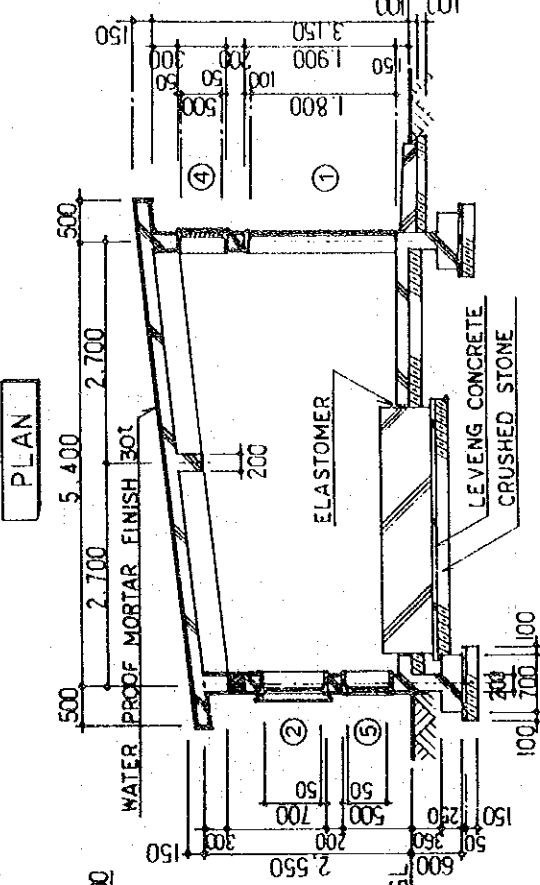
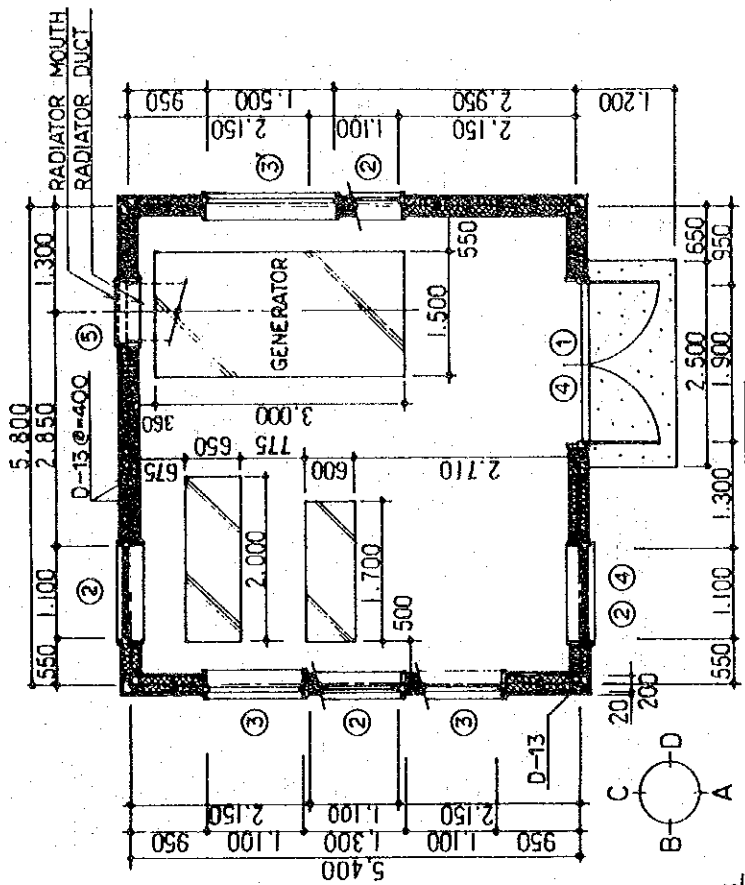
Typical Pump House Type-A

Typical Pump House Type-B

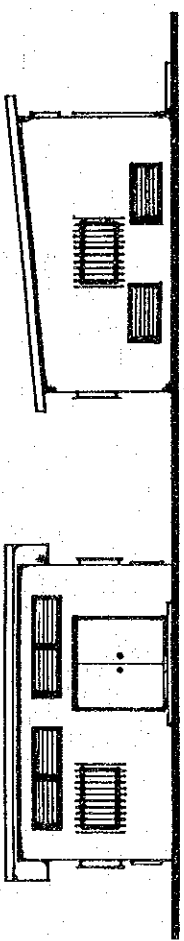


DOOR & WINDOWS	
① STEEL DOOR	W 950 X H 1800 X 2ea
② WINDOW WIRED GLASS 6.8t (W/GRILLE & INSECT SCREEN)	W1300 X H 700 X 1ea
③ FIXED WINDOW WIRED GLASS 6.8t (W/GRILLE)	W 900 X H 700 X 2ea
④ INTAKE AIR GRILLE (W/INSECT SCREEN)	W1500 X H 500 X 2ea
⑤ EXHAUST AIR GRILLE (W/INSECT SCREEN)	W1700 X H 500 X 1ea

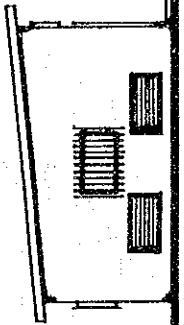
LINTEL : MAIN REINFORCEMENT: D-10 X 4ea, HOOP : D-10 @ 200



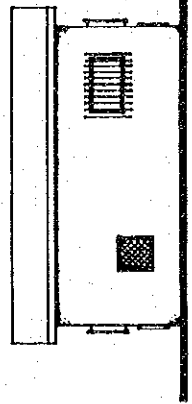
SECTION



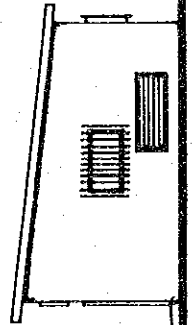
A-ELEVATION



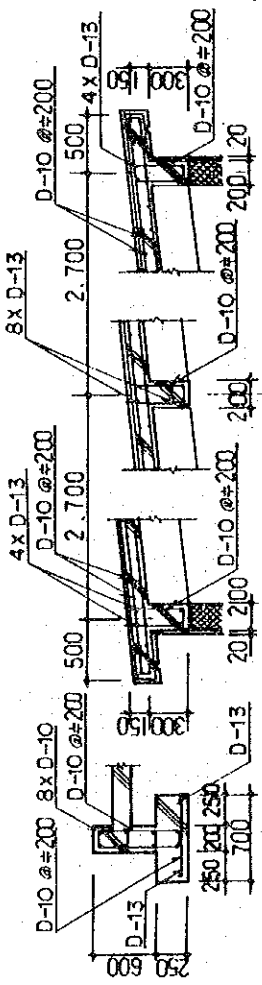
B-ELEVATION



C-ELEVATION



D-ELEVATION



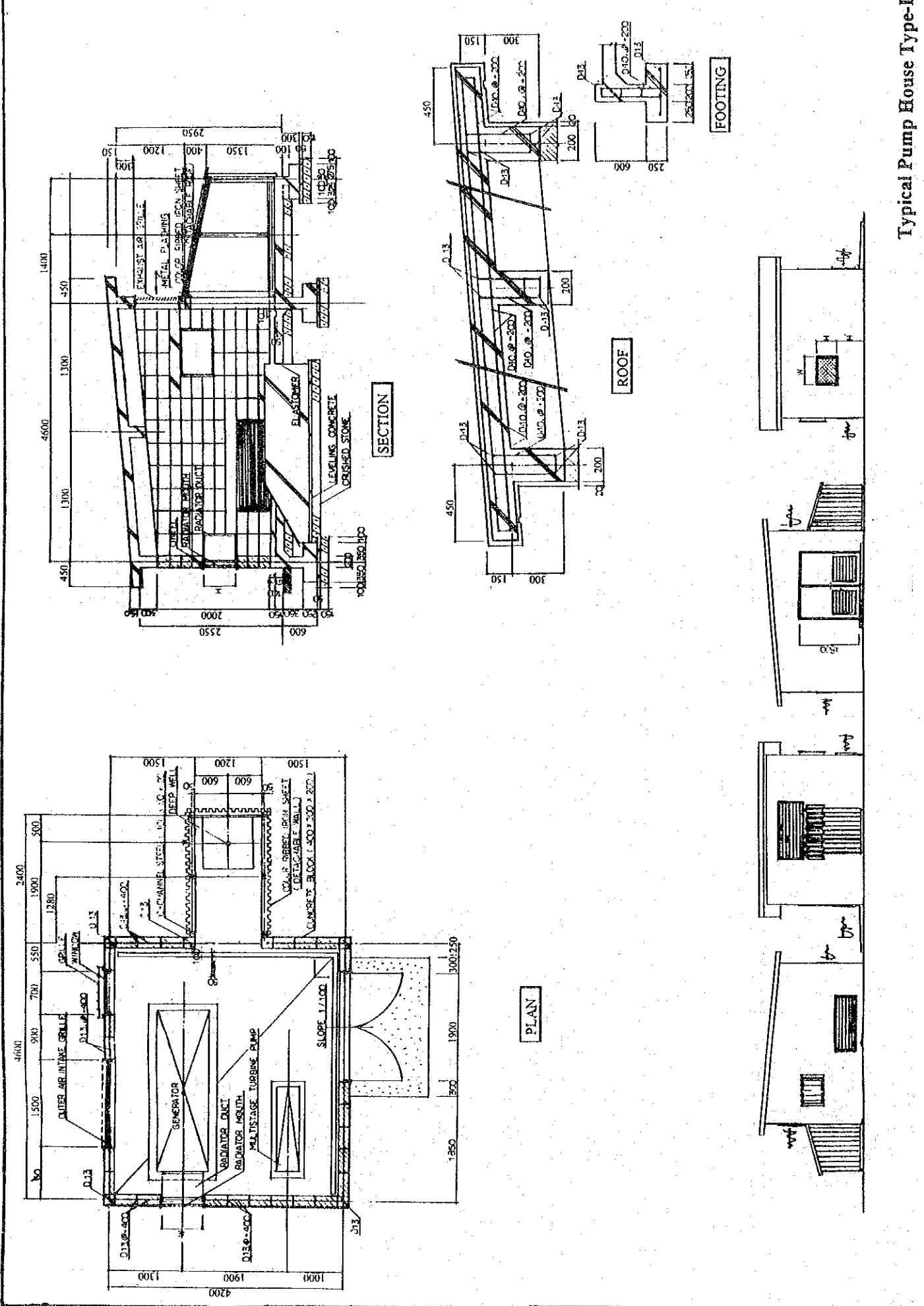
ROOF

FOOTING

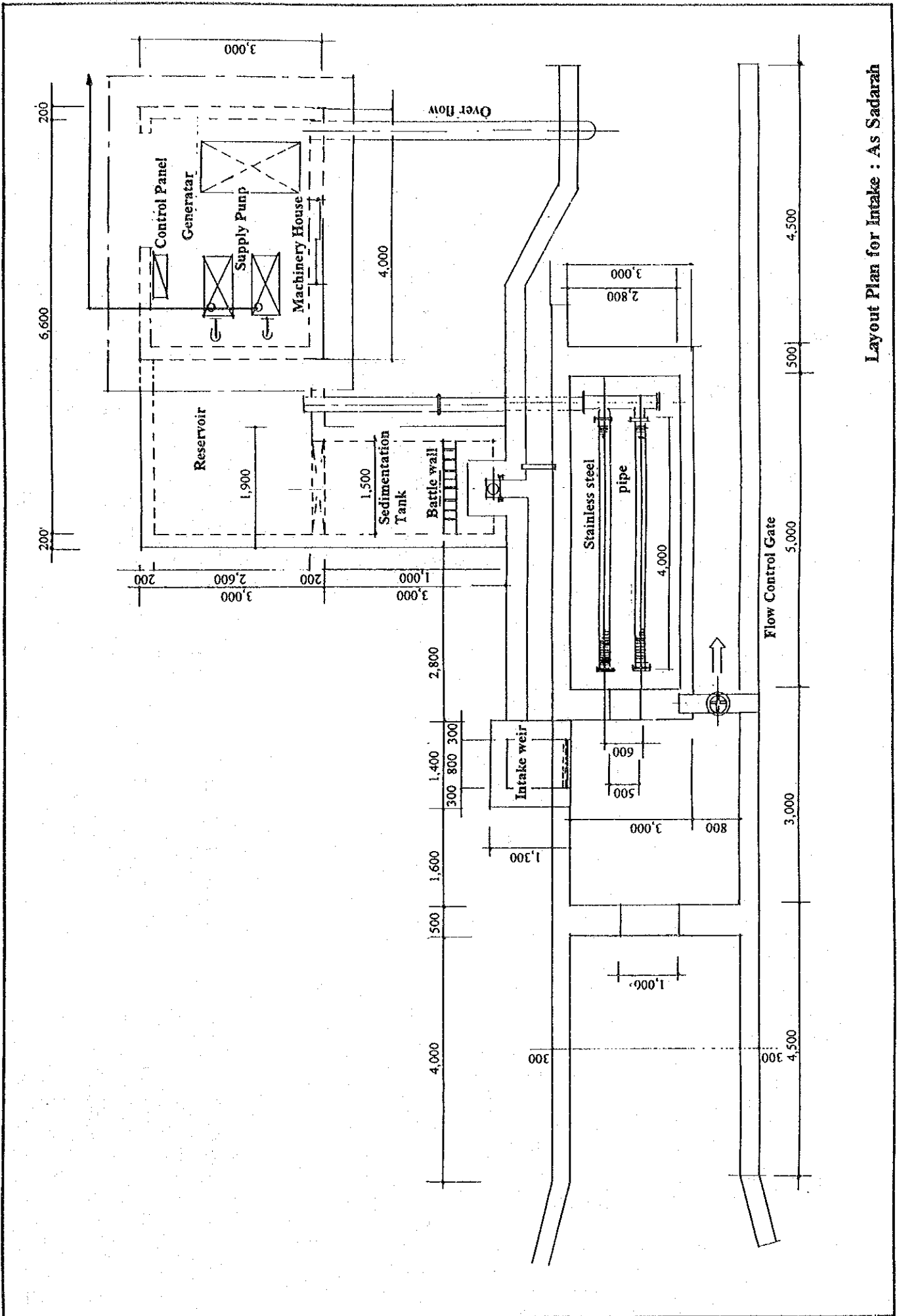
DOOR & WINDOWS

①	STEEL DOOR	W 950 X H 1800 X 2ea
②	FIXED WINDOW WIRED GLASS 6.8t (W/GRILLE)	W 700 X H 700 X 4LS
③	OUTER AIR INTAKE GRILLE (W/INSECT-SCREEN)	W 1100 X H 500 X 2LS
④	EXHAUST AIR GRILLE	W 1500 X H 500 X 1LS
⑤	RADIATOR MOUTH (STEEL NET) W, H and 'H' shall be fitted in the radiator of generator's engine	W 2000 X H 500 X 2LS

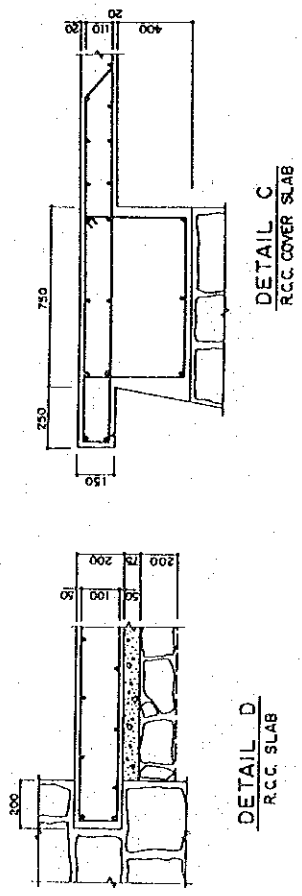
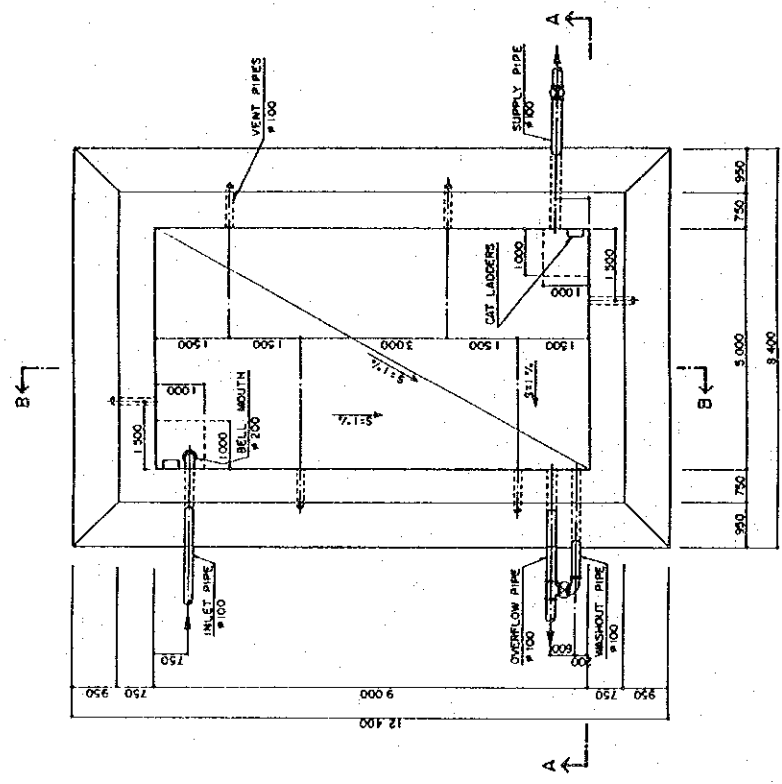
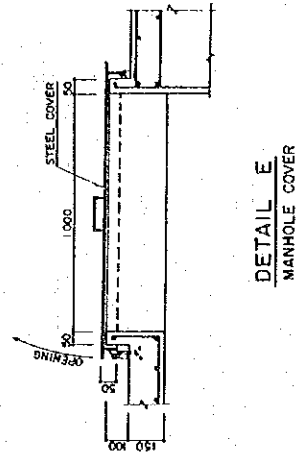
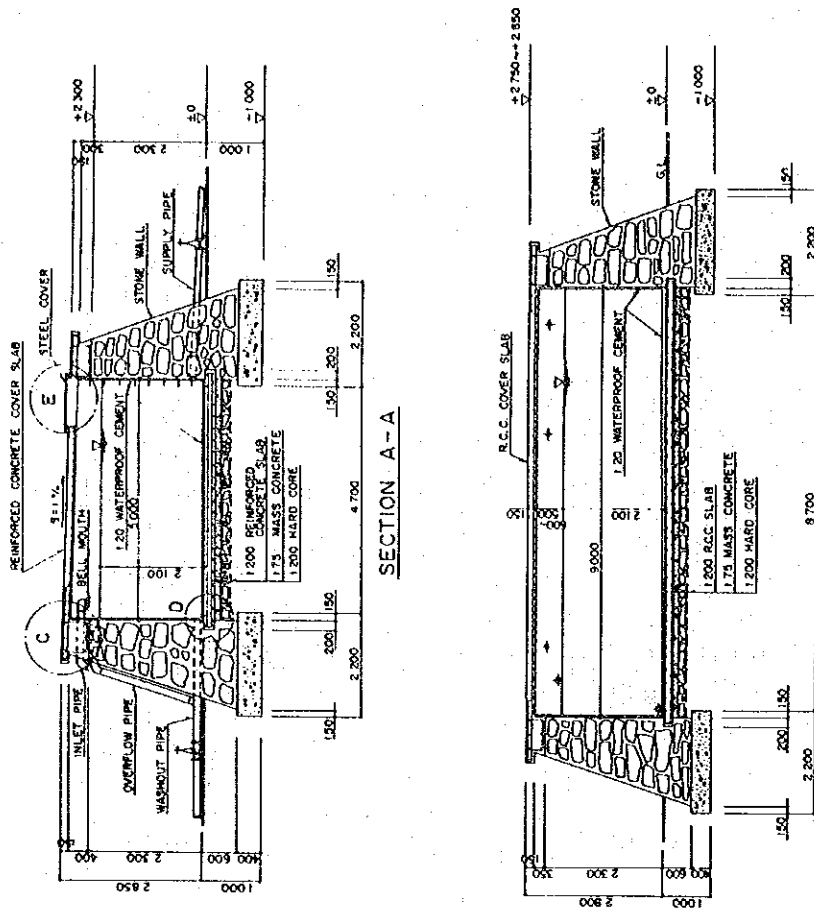
LINTEL : MAIN REINFORCEMENT: D-10 X 4ea, HOOP : D-10 @ 200



Typical Pump House Type-D

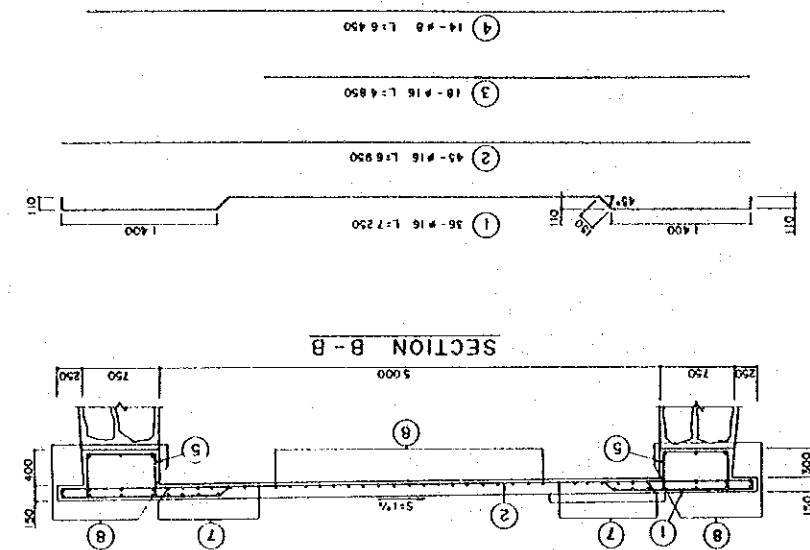


Layout Plan for Intake : As Sadarah

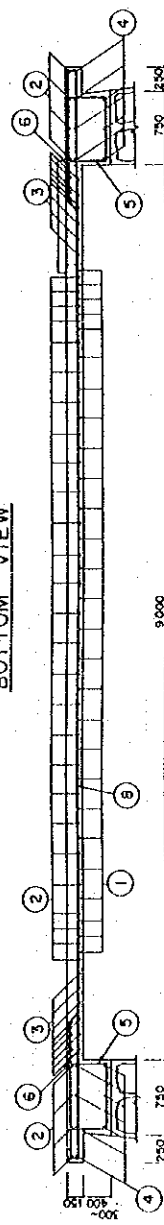
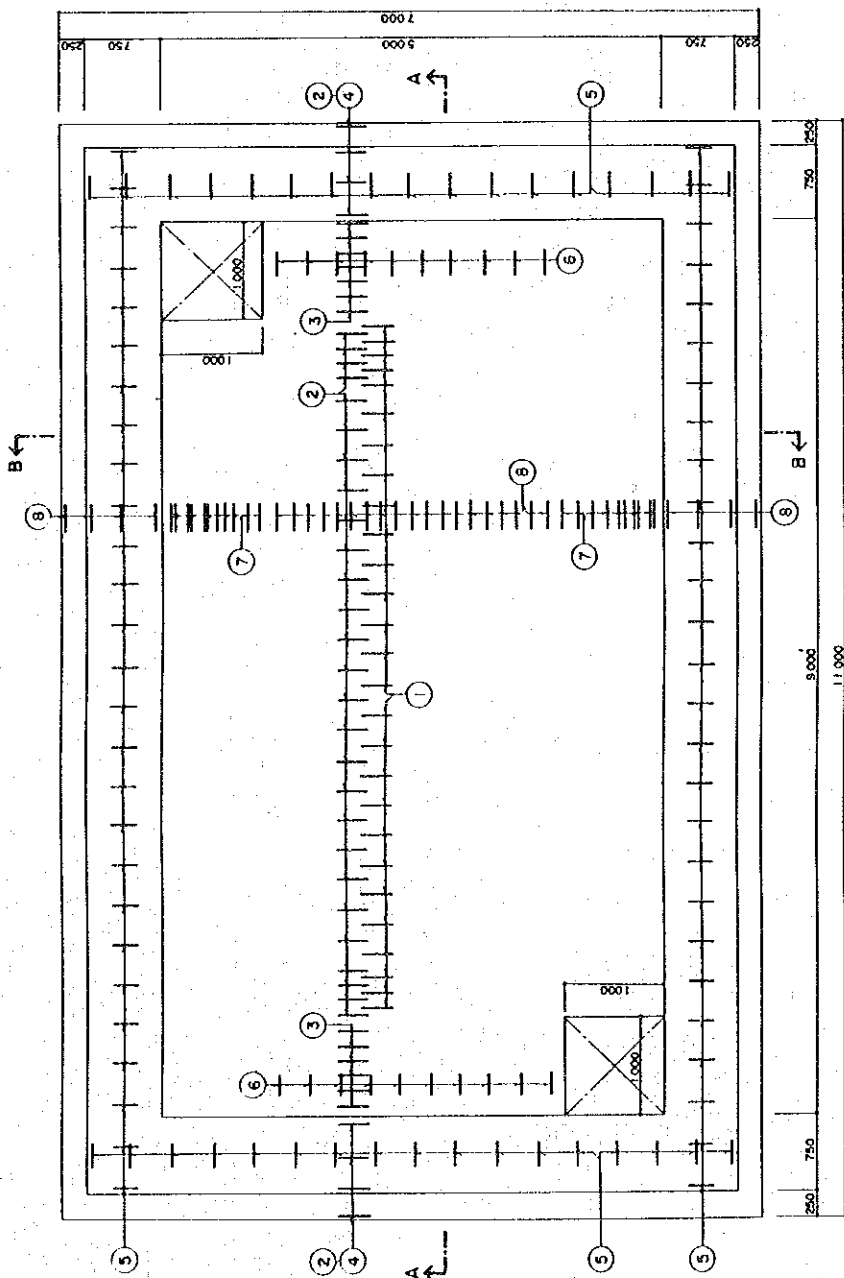


Details of Masonry Tank : 100 m³

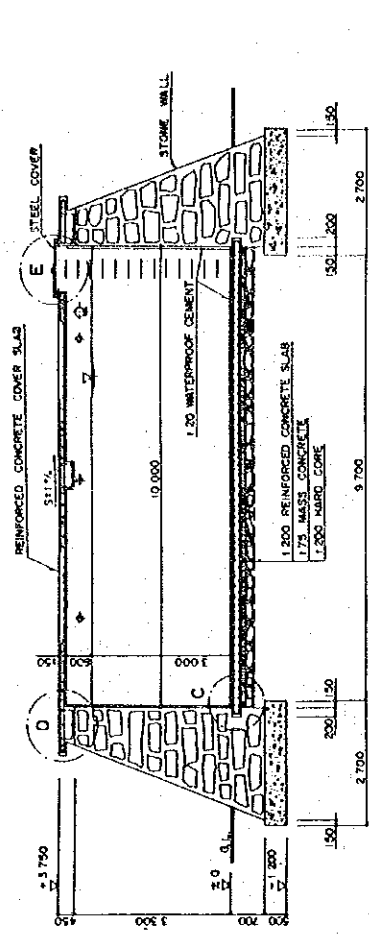
Details of Masonry Tank : 100 m³



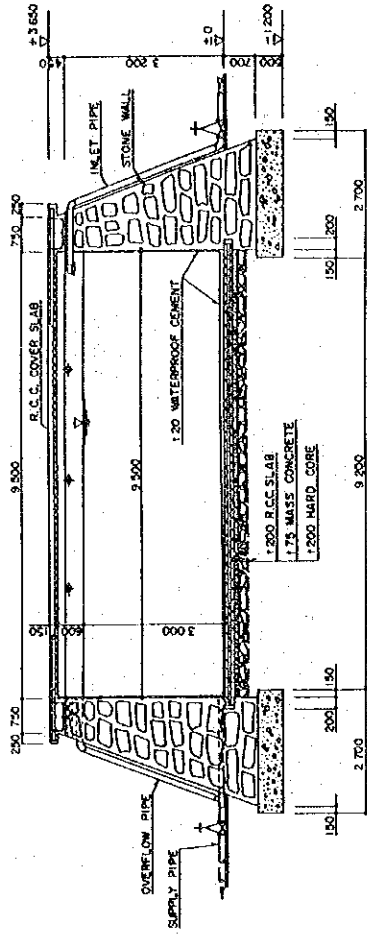
- ① 36-#16 L=7250
- ② 45-#16 L=6930
- ③ 18-#16 L=4850
- ④ 14-#8 L=6450



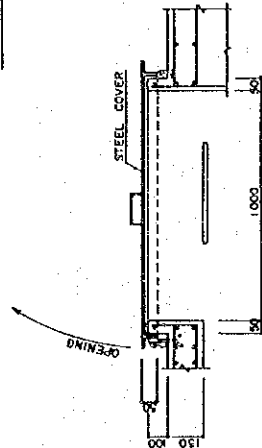
- ① 20-#8 L=2360
- ② 88-#6 L=2200
- ③ 41-#8 L=10930
- ④ 20-#8 L=6930
- ⑤ 41-#8 L=10930
- ⑥ 20-#8 L=6930
- ⑦ 20-#8 L=6930
- ⑧ 41-#8 L=10930



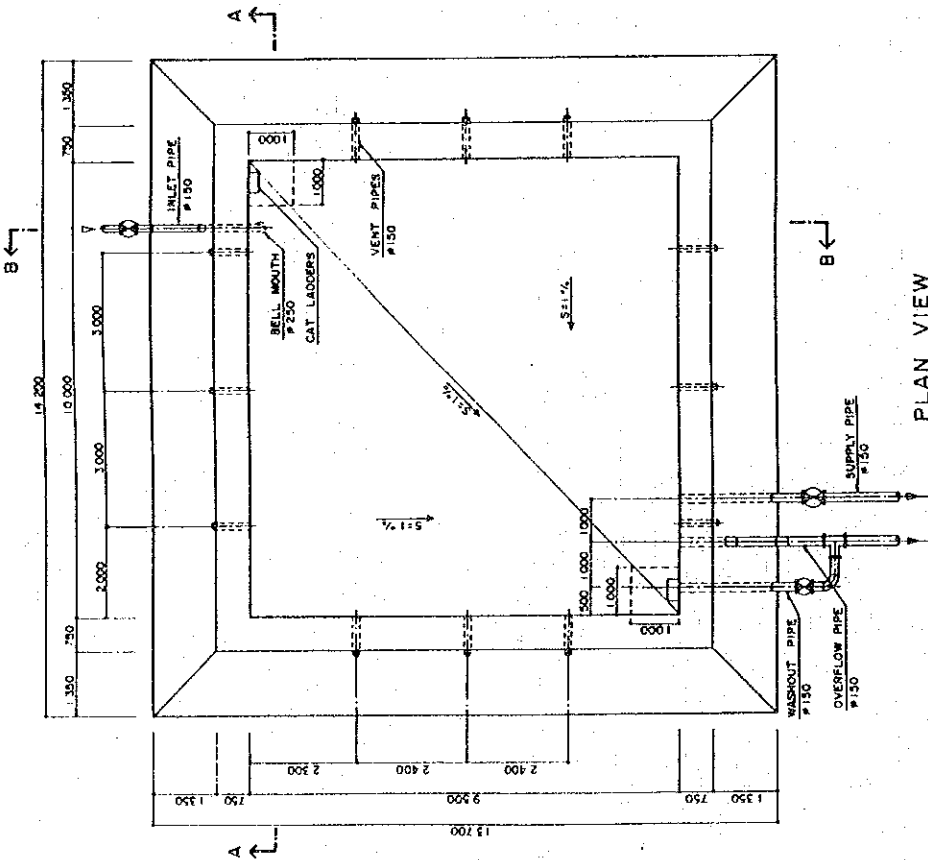
SECTION A-A



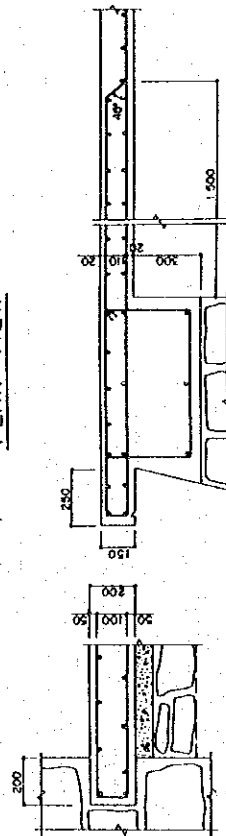
SECTION B-B



DETAIL E
MANHOLE COVER



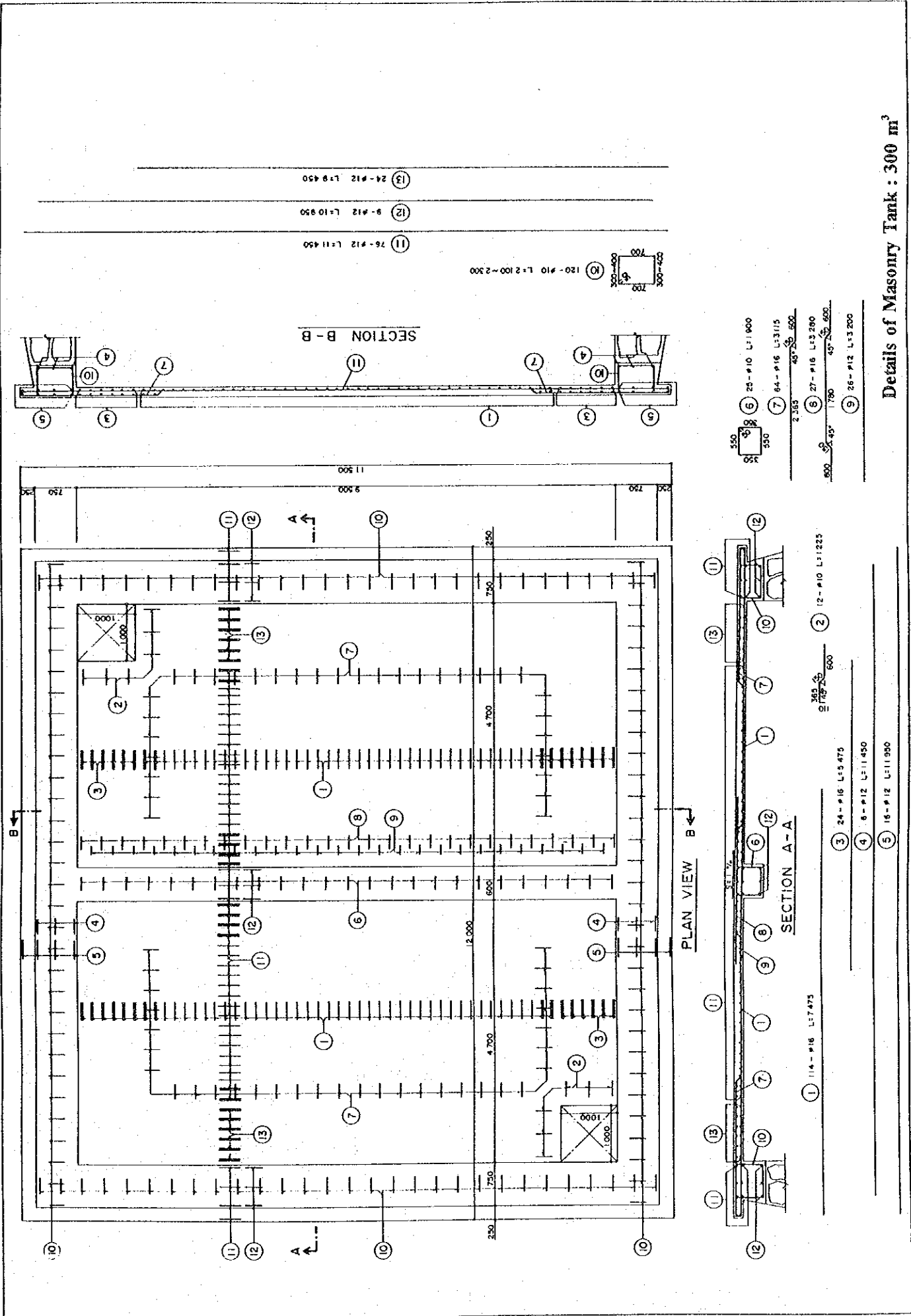
PLAN VIEW



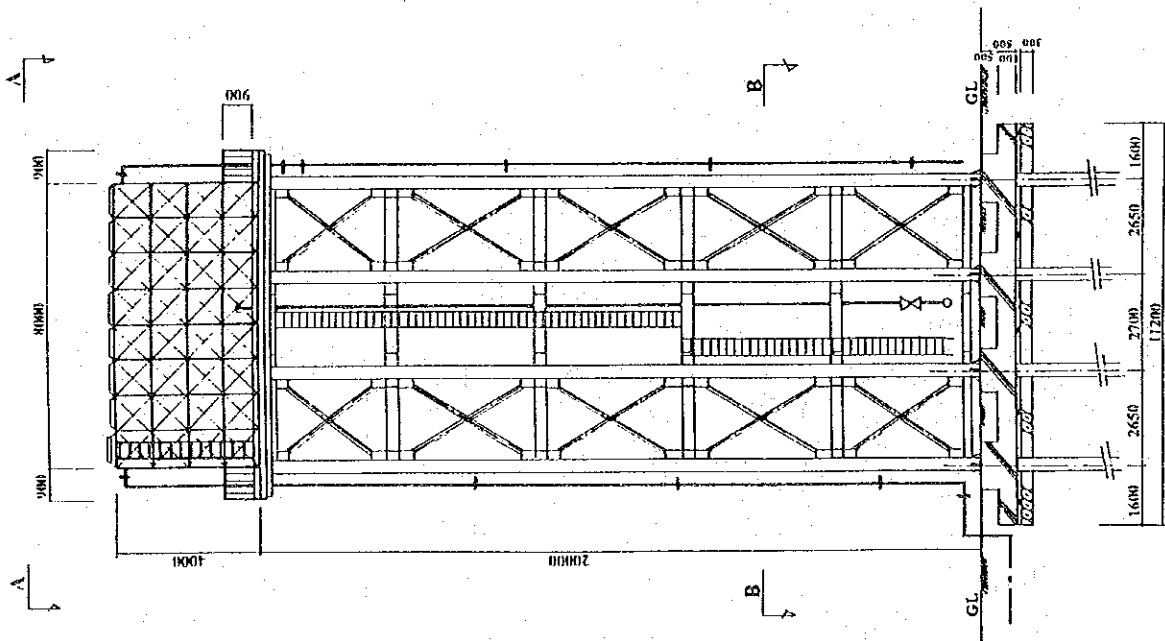
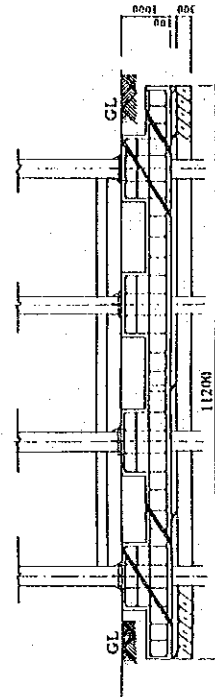
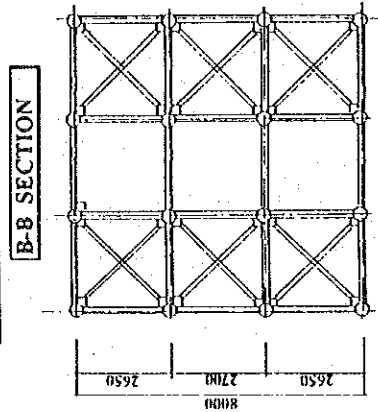
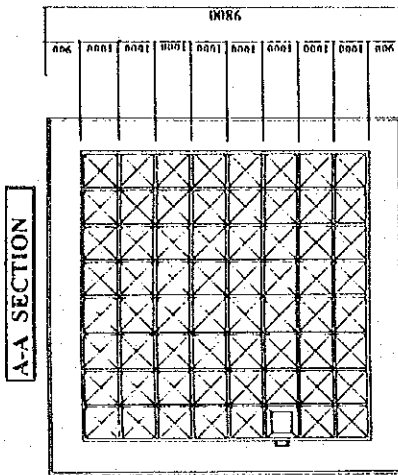
DETAIL C
RCC. COVER SLAB

DETAIL D
RCC. COVER SLAB

Details of Masonry Tank : 300 m³

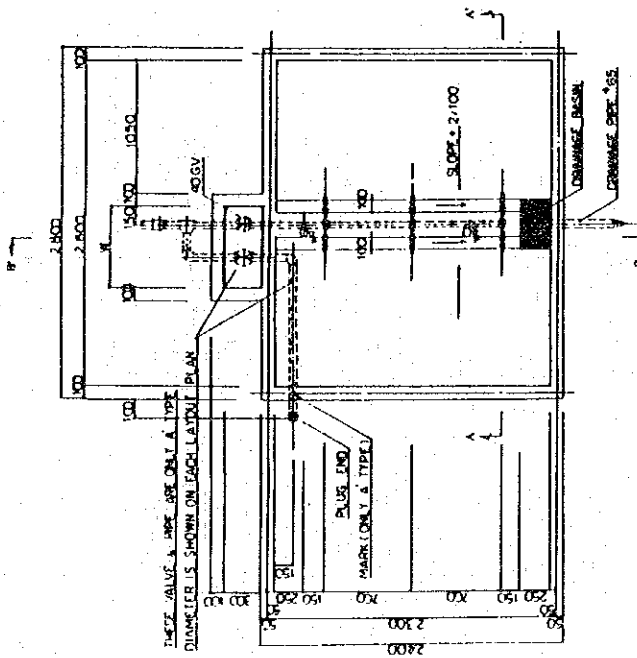


Details of Masonry Tank : 300 m³

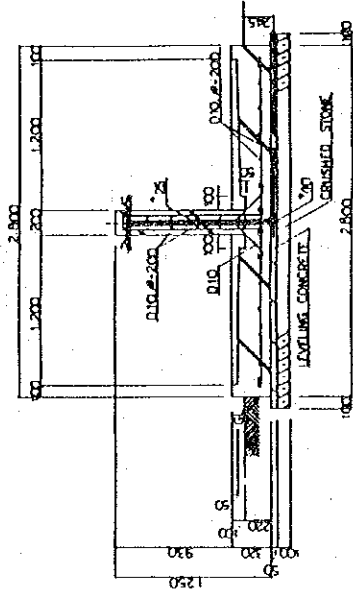


Details of Elevated Tank : 250 m³

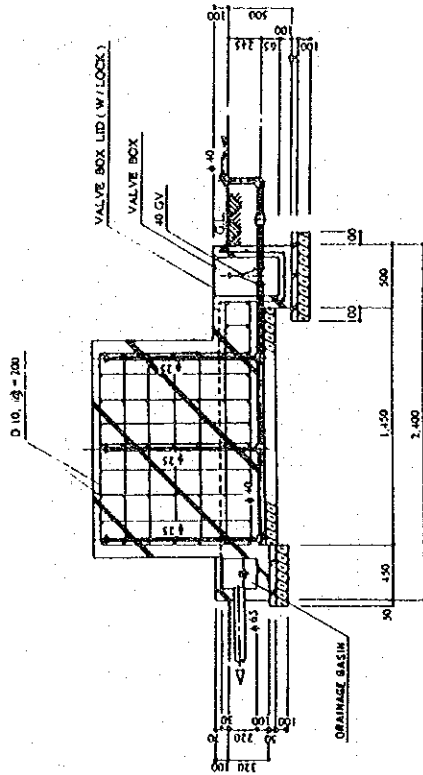
Public Fountain 6-Tap



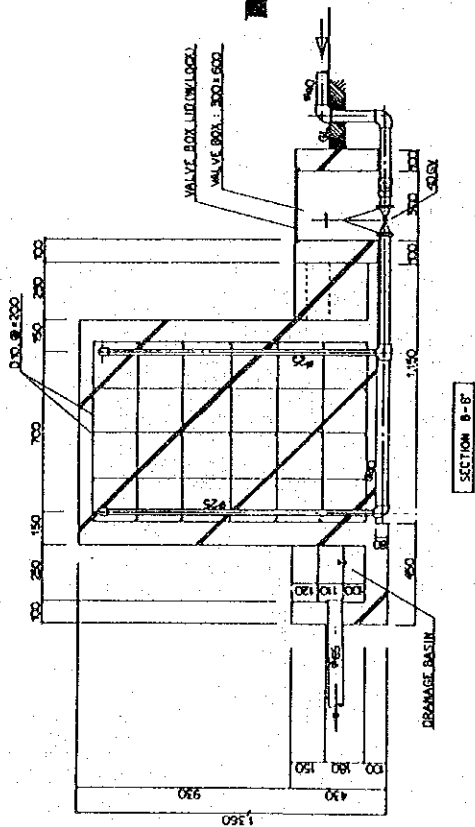
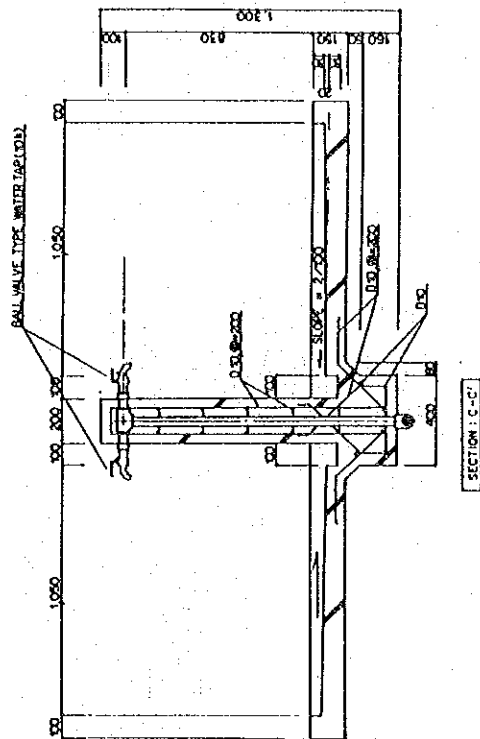
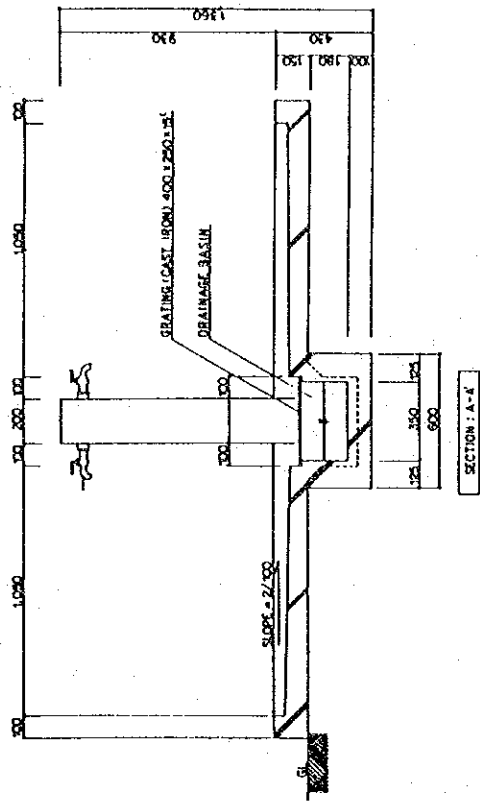
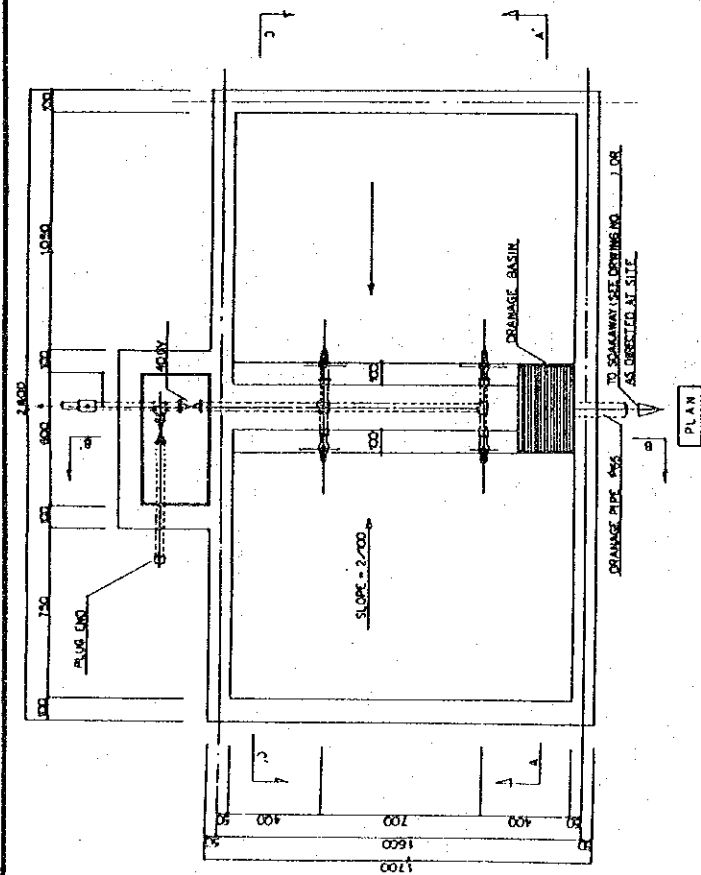
PLAN



SECTION A-A'



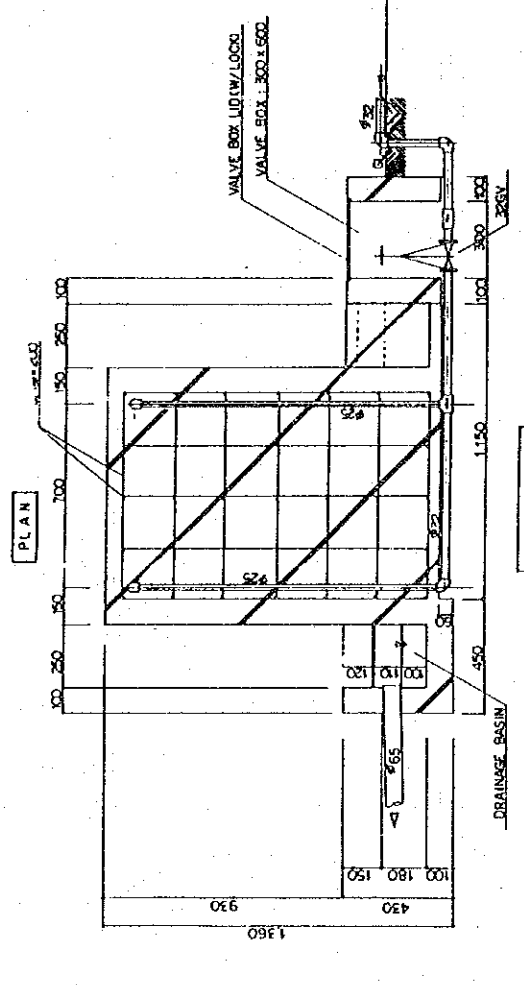
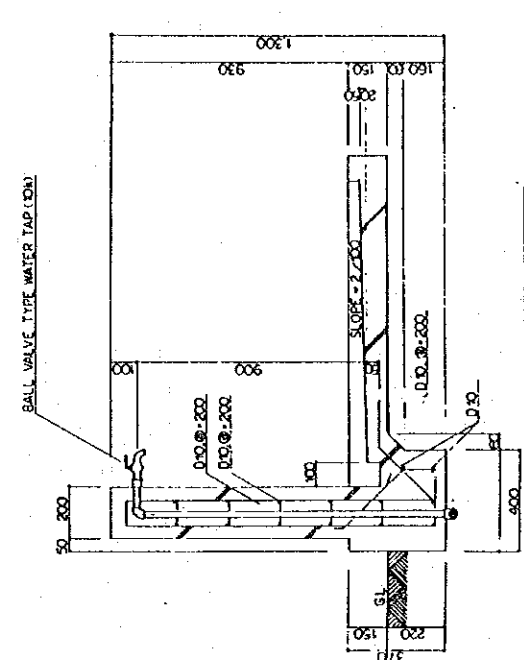
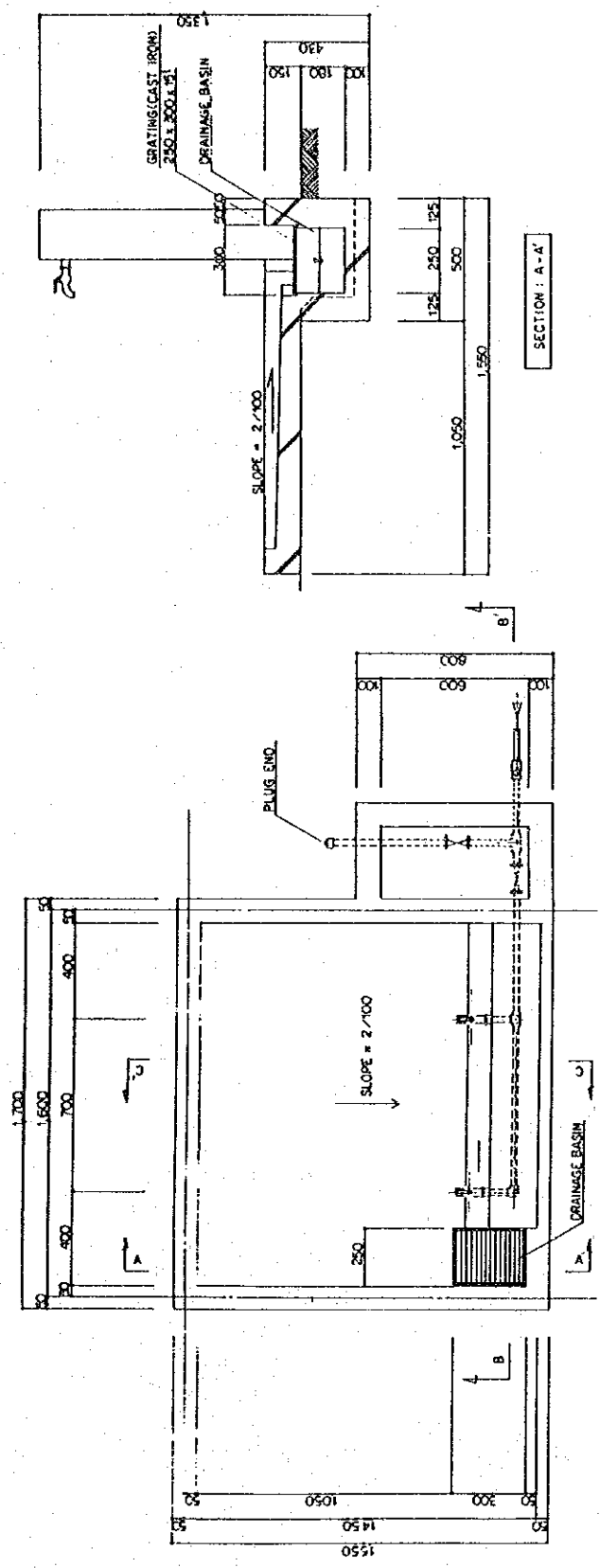
SECTION B-B'



DETAIL OF 4-TAP PUBLIC FOUNTAIN

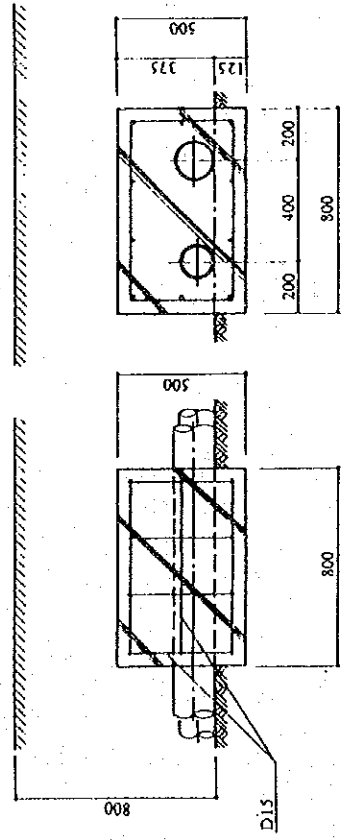
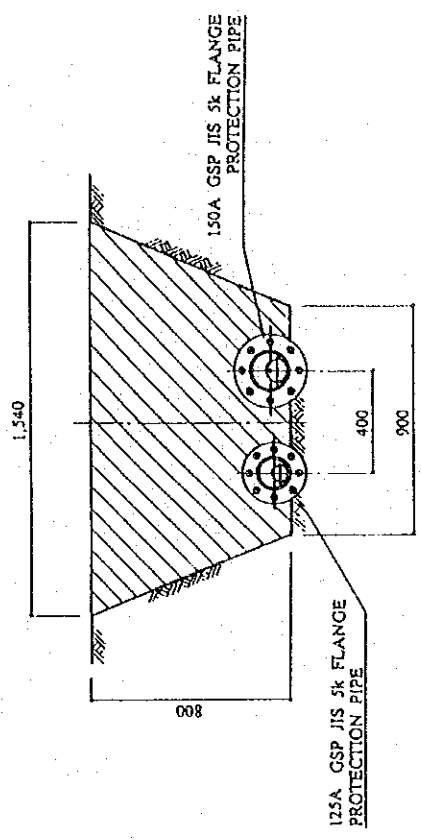
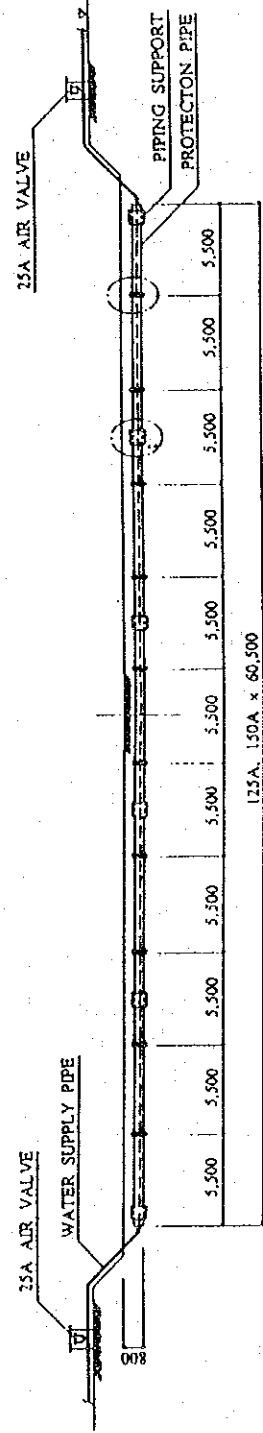
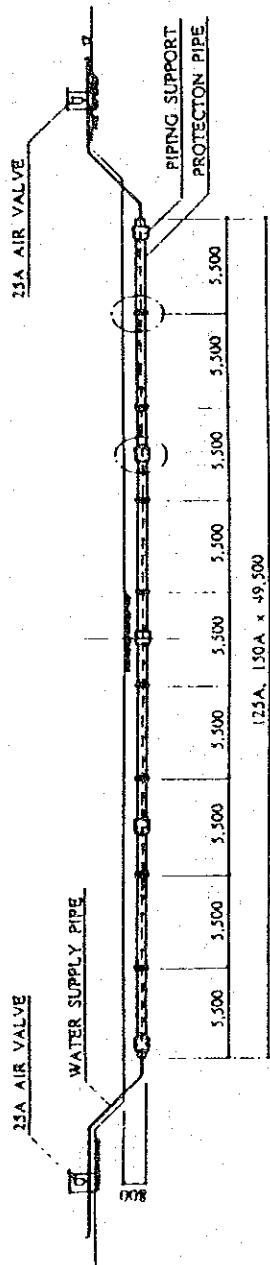
Public Fountain 4-Tap

Public Fountain 2-Tap



SECTION : C-C'

DETAIL OF 2-TAP PUBLIC FOUNTAIN



Pipeline Protection for
Wadi Crossing

SECTION B

SECTION A

JICA