### Annex III Interviewees

1. Ministry of L.G., C. & R.A.

Mr. Azizul Hagne : Joint Secretary, Local Gov. Div.

Mr. Syed Abdur Rob : Deputy Secretary, Local Gov. Div.

Mrs. Rahima Nahar : Asstt. Chief in charge, L.G. Div.

2. Department of Public Health Engineering (DPHE)

Mr. M.M. Husain : Chief Engineer

Mr. Fariduddin Ahmeduia : Asstt Chief Engineer

Mr. Abdur Rahman Mridha : S.E., Planning Cell Circle

Mr. Md. Nurul Hoque : EE, Planning Div

Mr. Kagi Nasiruddin Ahmad: EE, SIR Div

Mr. Abdur Rahman Mia : EE, G.W. & E. Div.

Mr. Quadivuzzaman : Project Manager, 5D. Town W.S. Project

Mr. Md. Zainal Abedin : EE, Dhaka Div.

Mr. A.M. Md. Shamsudduha : SDE, Narsingdi, Dhaka

Mr. Md. Shahihul Islam : SAE, Narsingji, Dhaka

Mr. Moshtaque Ahmed : EE, Jessore Div.

Mr. M.A. Rashid : Asstt. EE, Jessore

Mr. Abdur Rahman : SDE, Jenidah, Jessore

Mr. A.F.M. Wahid Azhar : SDE, Chuadanga, Kushtia

Mr. Ratneswar Biswas : SAE, Chuadanga, Kushtia

Mr. Md. Ishaque Ali : EE, Rangpur

Mr. Md. Kamruzzaman : SAE, in charge SDE, Kurigram, Rangpur.

Mr. Md. Belayet Hossain : SDE, Gaibandha, Rangpur.

Mr. Md. Nuruzzaman : Asstt. EE, Narayanganj, Dhaka

Mr. Md. Anwar Hossain : SAE, Narayanganj, Dhaka

Mr. Shafiguddin Amed : EE, Noakhali Div.

Mr. Rafiqul Islam : SDE, Feni, Noakhali

Mr. A.S.M. Latifur Rahman: EE, Comilla Div.

Mr. Md. Siddiguer Rahman : SE, Chittagong Circle.

Mr. Md. Shamsul Huda : EE, Sylhet Div.

Mr. Sarwar : SDE, Sunamganj, Sylhet

3. Planning Commission, Ministry of Finance & Planning

Mr. Nurul Hag : Chief. Physical Infrastructure Div.

Mr. Md. Azizul Hoque

Joint Chief, Physical Planning,

Water, Supply and Housing Wing.

Mr. Md. Nurul Absar

Deputy Chief

4. External Resources Div. (ERD), Ministry of Finance & Planning

Mr. A.K.M. Salamatullah : Deputy Secretary (Japan desk)

Mr. A.K.M. Abul Basher :

Research Officer (Grant Aid)

5. Local Government

Mr. Enamul Karim

Deputy Commissioner, Narsingdi Dist.

Mr. Shamsuddin Ahamed

Chairman, Narsingdi Poroushaova

Mr. Md. Mosharrof Hossain:

Chairman, Jhenidah Poroushaova

Mr. C.A.M. Khairul Kabir

Khan Pathan

Superintendant of Water Works,

Narayanganj

6. Gas Company

Mr. S.A.D. Rozario

Planning & Design, Titas Gas

Mr. Mahfuzal Alam

Programme Officer, Titas Gas

Mr. Mostafezur Rahman

Engineer, Bagrabad Gas System

7. Power Development Board (BPDB)

Mr. S.T.S. Mahamud

Add. Chief Engineer, Planning &

Design

Mr. C.J. Kabir

Add. Chief Engineer, Rashahi

8. Geological Survey of Bangladesh, Dhaka

Mr. Abu Bakar

: Director General

Mr. Mohammad Khurshid

Alam

Deputy Director

9. Water Development Board (BWDB)

Mr. Ghulam Mowla

: Director, Groundwater

Mr. Alamgir Hussain

Deputy Director, Groundwater data

processing & research circle

10. KSB Pump

Mr. K.B. Mahmud Khan

Sales Manager (Milnars Pumps Limited)

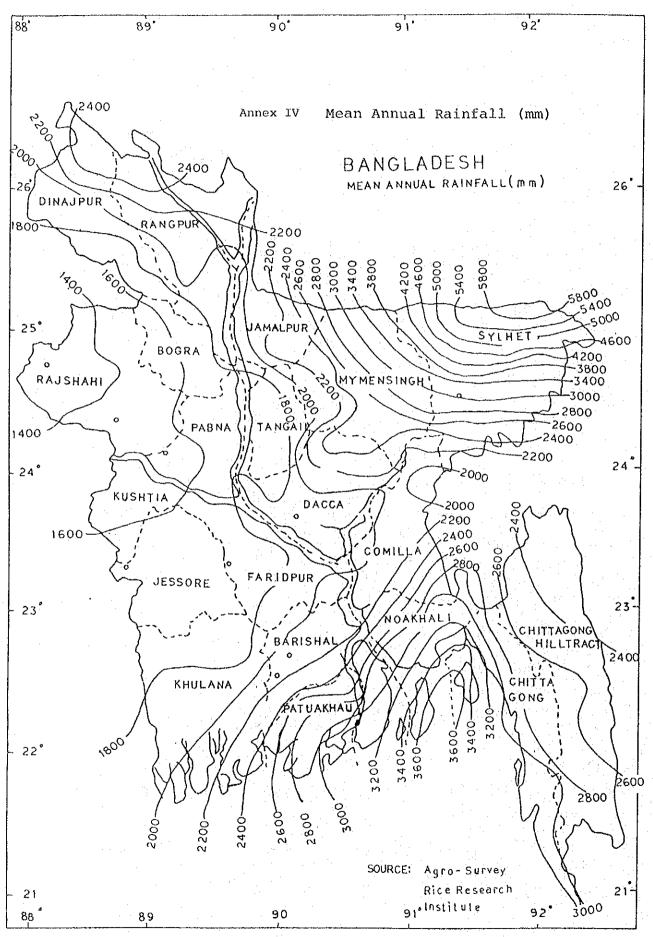
11. Pipe Maker

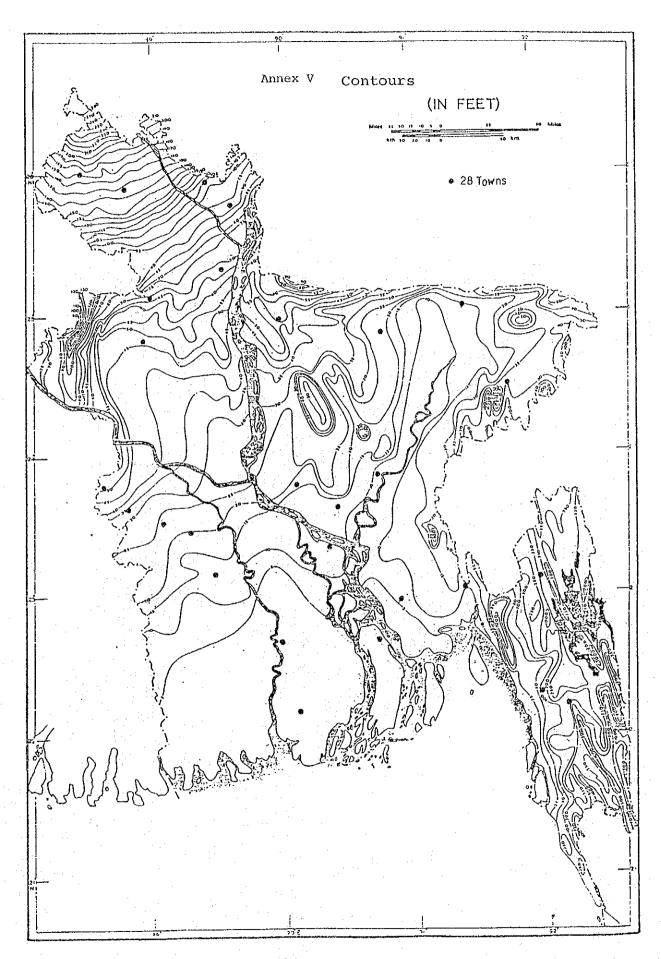
Mr. M.A. Hashem Bhuiyan :

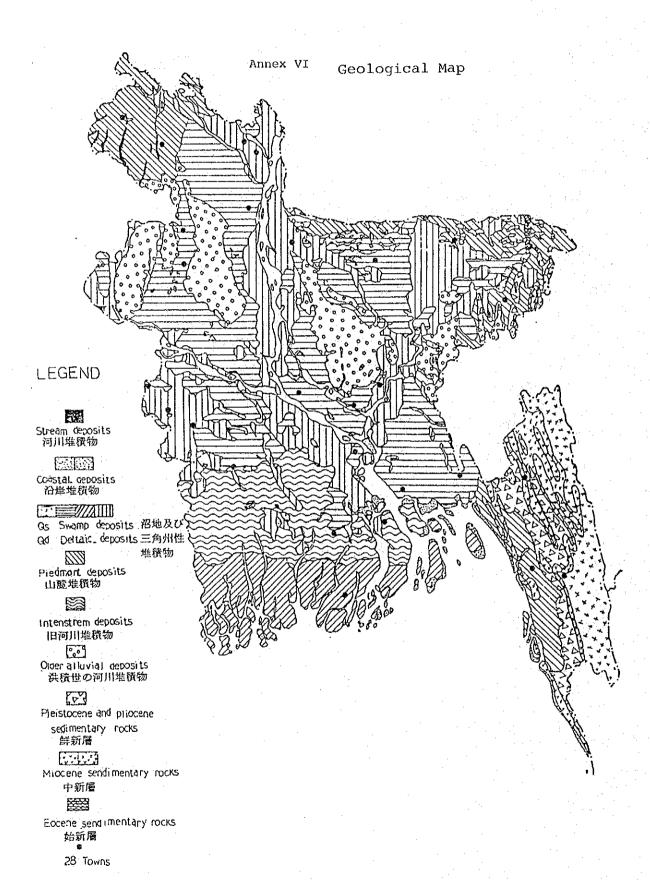
Add. Chief Accountant & Incharge

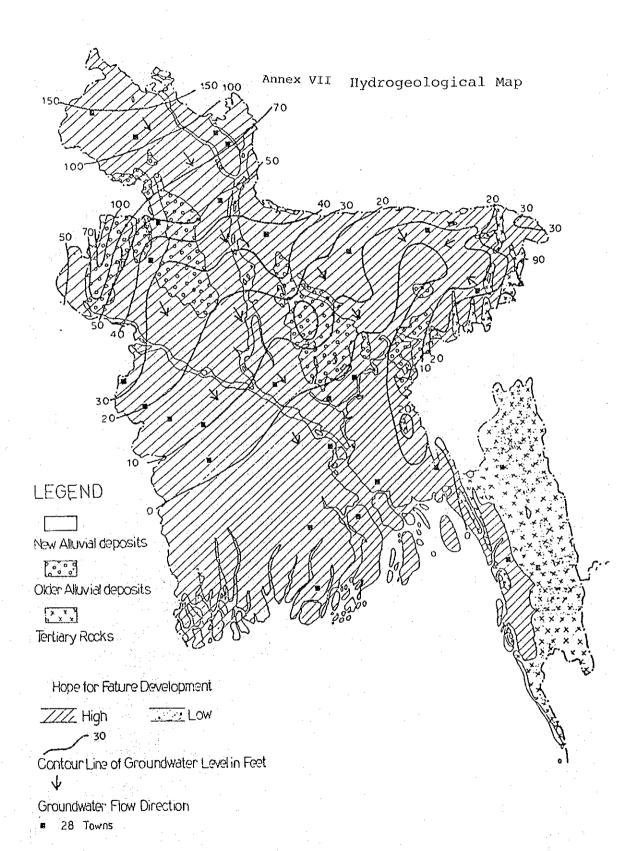
Marketing Dept. LIRA Industrial

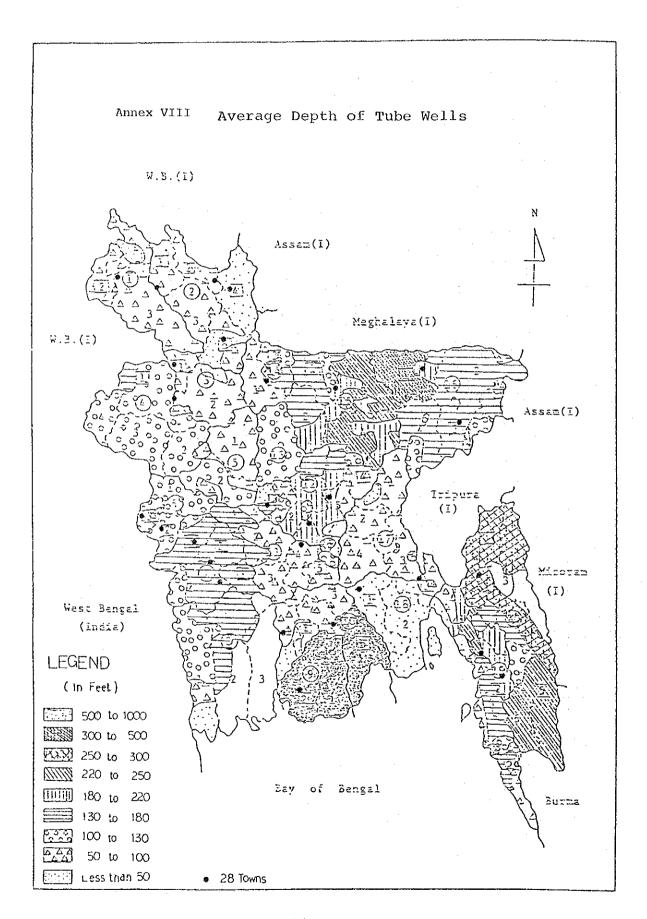
Enterprise Ltd.



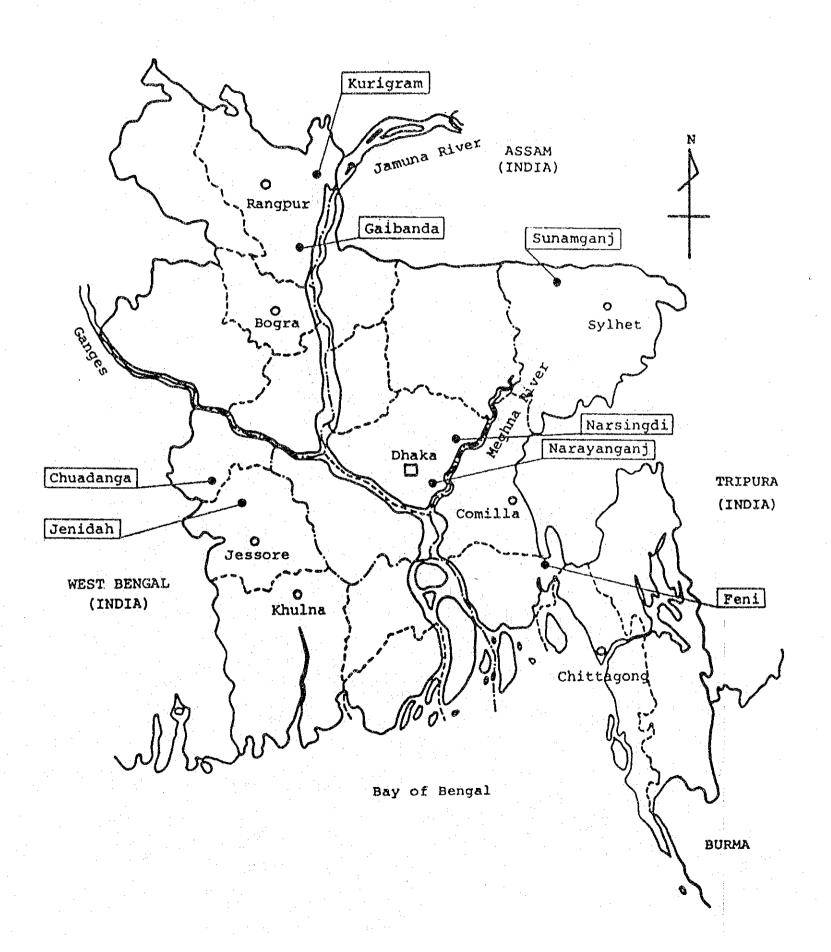


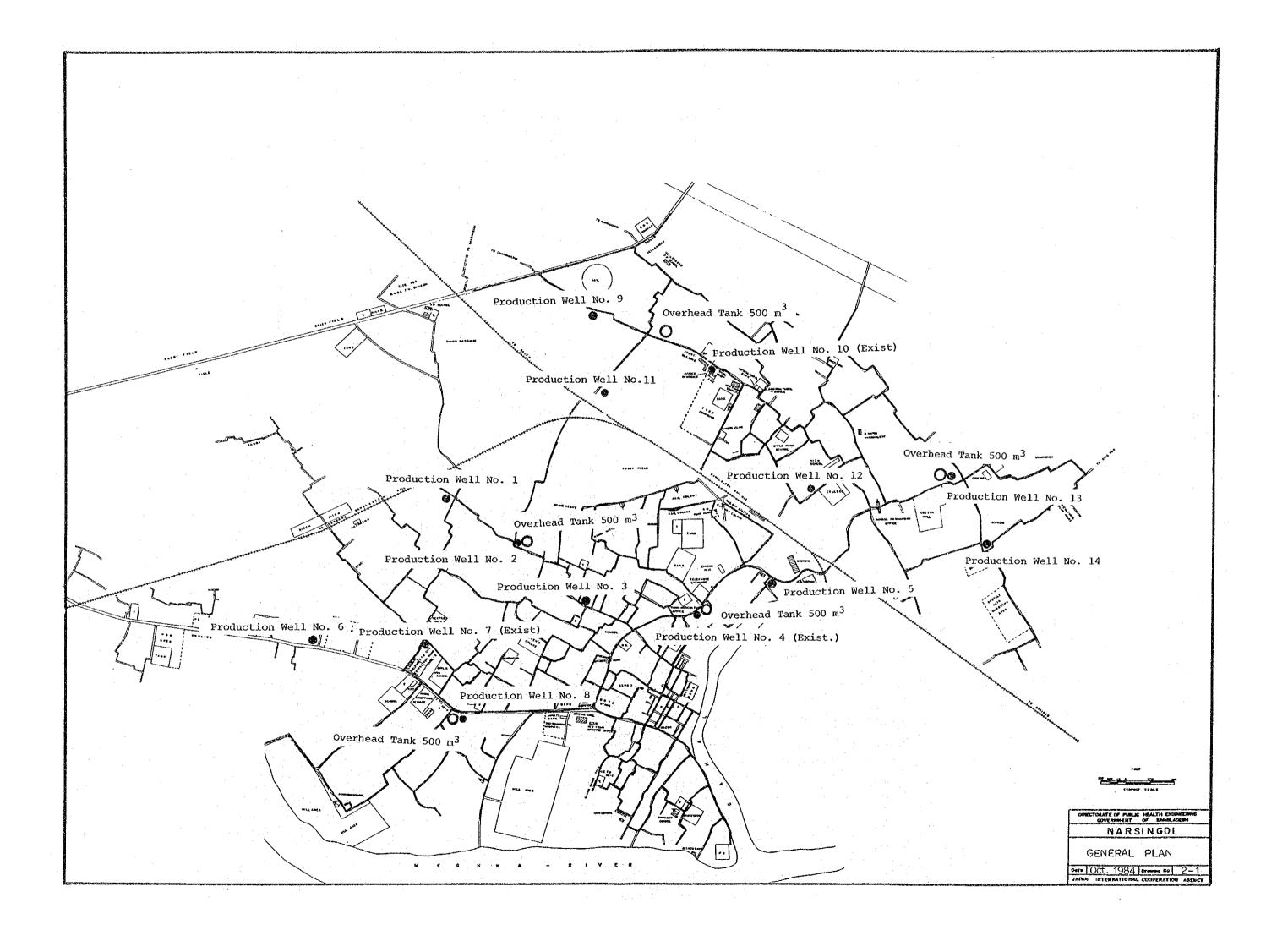


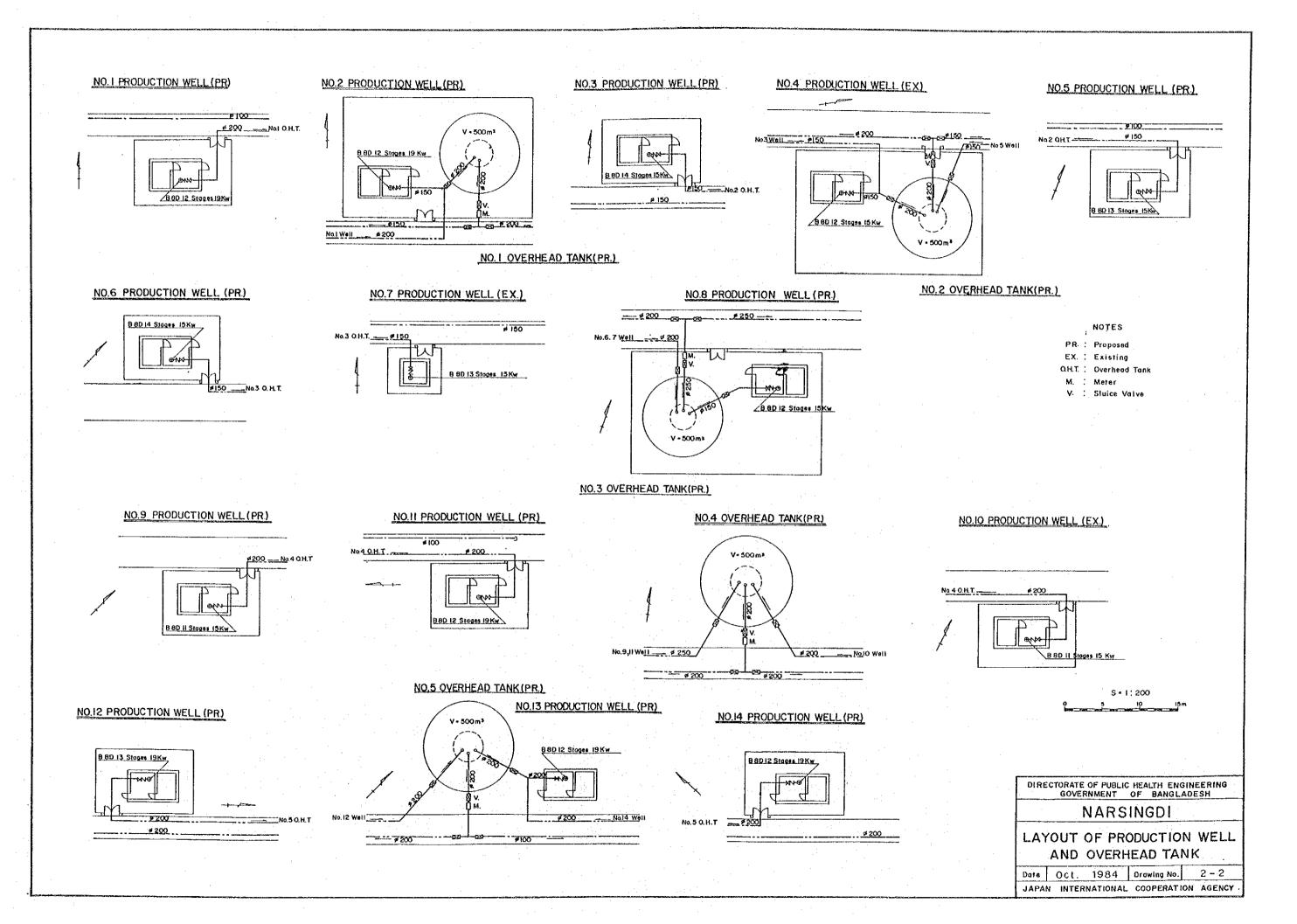




# DRAWINGS



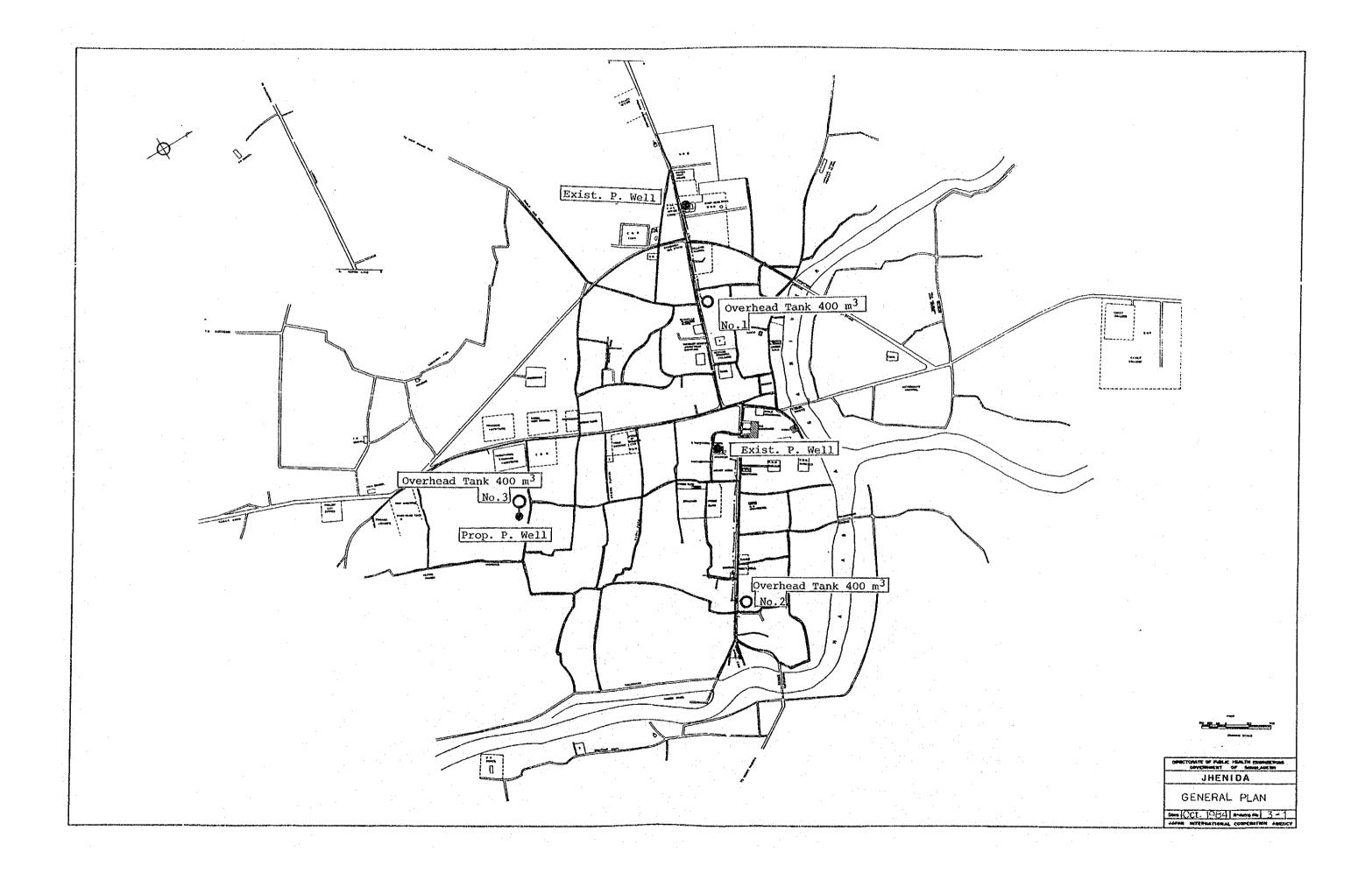


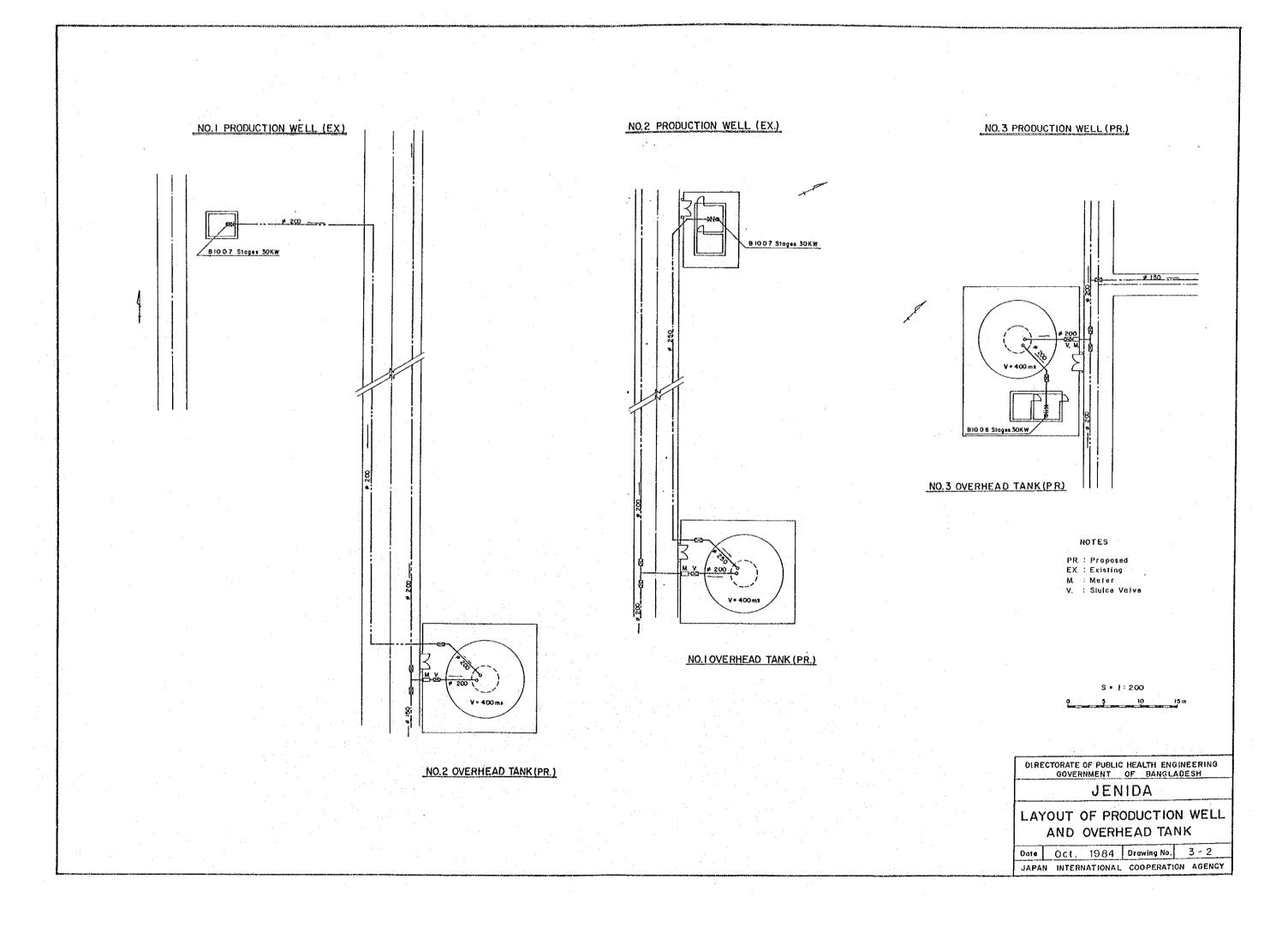


EXISTING PRODUCTION WELL

# PROPOSED PRODUCTION WELL

NO. 4 WELL NO. 7 WELL NO. 10 WELL NO 1,2,3,5,6,8WELL NO. 9, 11, 12,13,14 WELL Pump Size: NO.1-B8D I2 Stages I9kw Pump Size: NO.9-BIOD | | Stages | 15 kw NO2-88D I2 1 19 NO3-88D I4 151 NQ11-BIOD12 19 19 NQ12-BIOD13 1 19 Check Yelve NO.5-BBD 13 + 15 ' NO.6-BBD 14 + 15 ' Stuice Volve NO8-B8D12 1 151 TO KIND Discharge Head PumpSize: 88012Stages 15kw Pump Size: B8D13 Stages 15kw Pump Size: 88011Stages 15kw Statle W.L. Housing Pipe Column Pipe Housing Pipe 25.000 Housing Pipe Housing Pips Housing Plas Bilnd Pipe Back Filling Back Filling Blind Pipe 55,000 55,000 Strainer 60.000 Multiple-Stage Turbine Pump **BXXX** Blind Pips Filler Gravel Filler Graval Blind Pipe Suction Strainer Blind Plee Strainer 90.000 100,000 Strainer Bilnd Pipe . Strainer 20,000 150 150 150 130.000 \$V+1:500 SH = 4:10 01 02 05 04 05m 60.000 Ball Plug 150 150 150 DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH NARSINGDI DETAIL OF PRODUCTION WELL Date Oct. 1984 Drawing No. 2 - 3 JAPAN INTERNATIONAL COOPERATION AGENCY





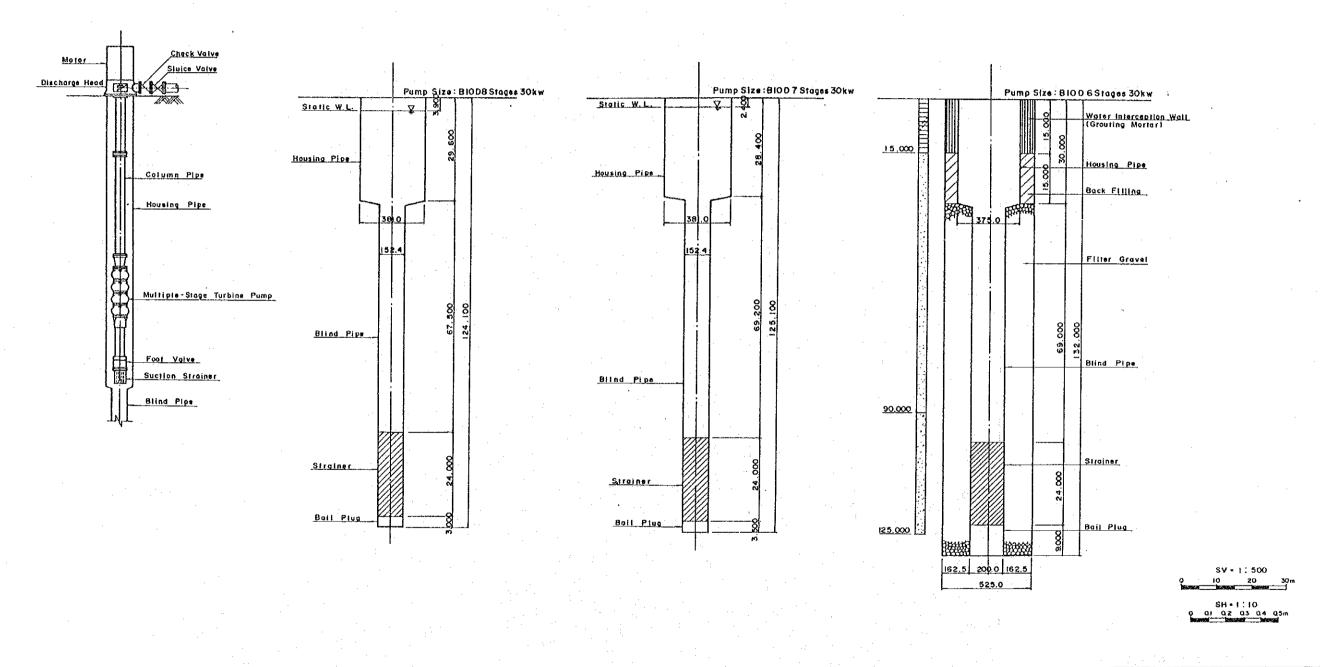
# EXISTING PRODUCTION WELL

# PROPOSED PRODUCTION WELL

NO. I WELL

NO.2 WELL

NO.3 WELL



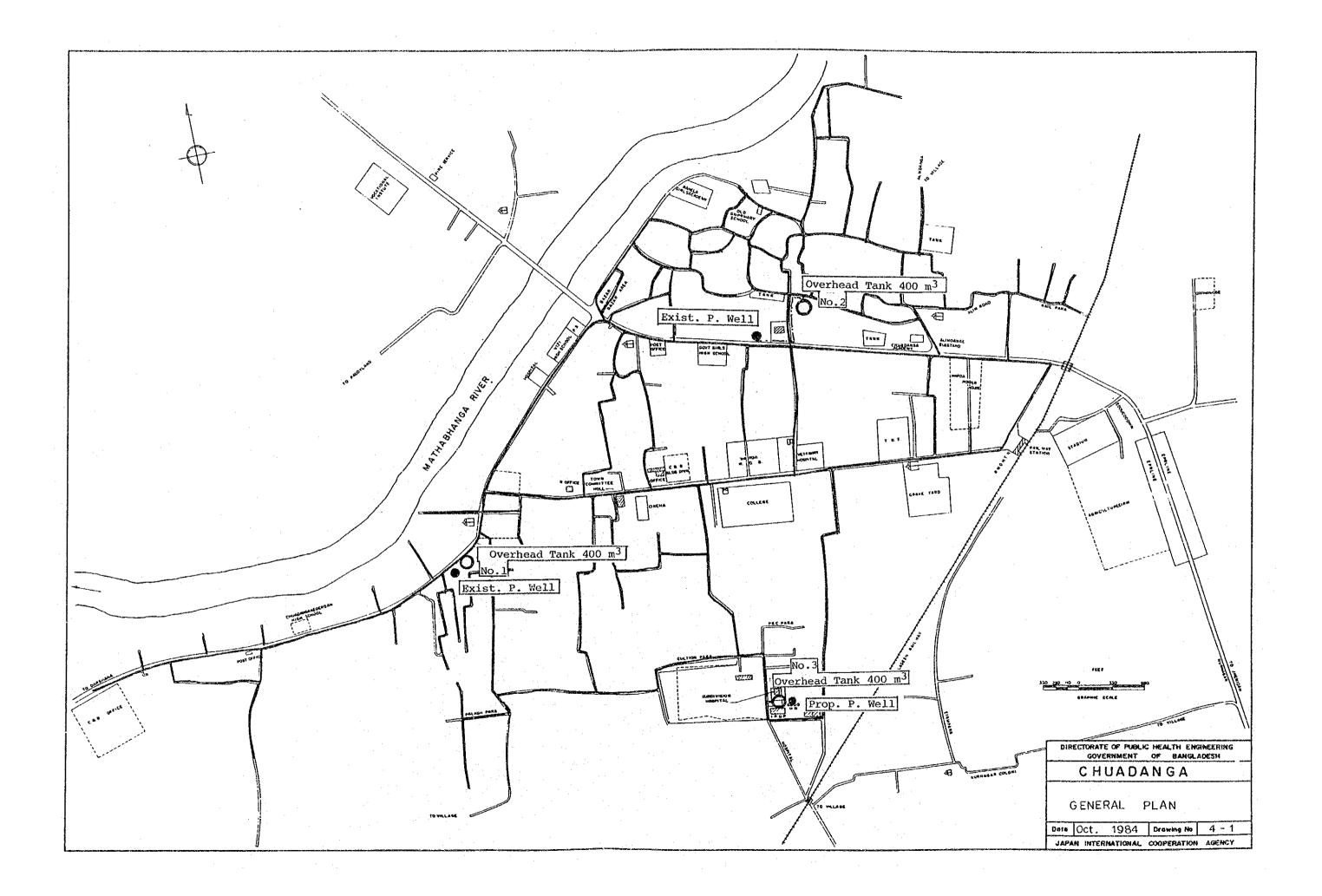
DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH

**JENIDAH** 

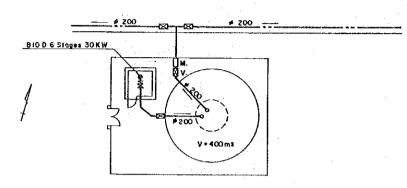
DETAIL OF PRODUCTION WELL

Date Oct. 1984 Drawing No. 3-3

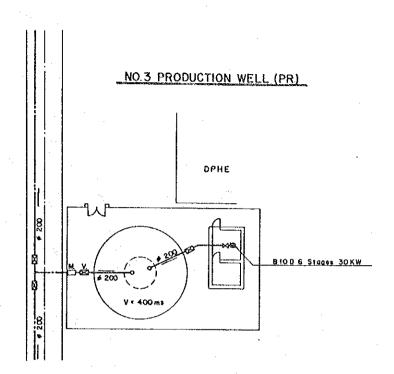
JAPAN INTERNATIONAL COOPERATION AGENCY



# NO.1 PRODUCTION WELL(EX)

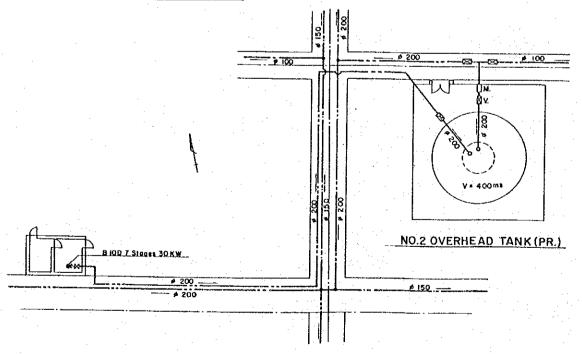


NO. LOVERHEAD TANK (PR.)



NO.3 OVERHEAD TANK (PR.)

# NO. 2 PRODUCTION WELL (EX)



NOTES

PR.: Proposed EX.: Existing M.: Meter

V. : Sluice Valve

S • 1 : 200

DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH

# CHUADANGA

LAYOUT OF PRODUCTION WELL AND OVERHEAD TANK

Date Oct. 1984 Drawing No. 4-2

JAPAN INTERNATIONAL COOPERATION AGENCY

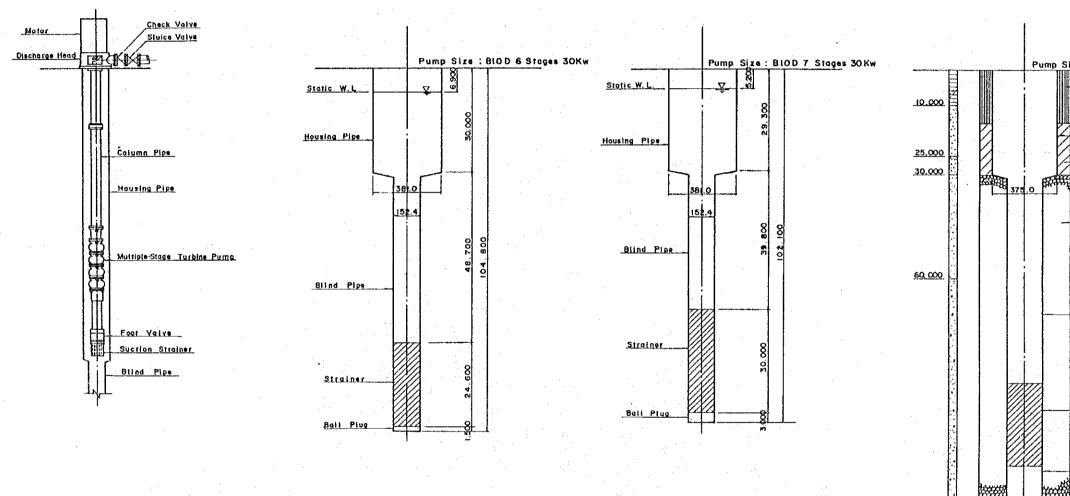
# EXISTING PRODUCTION WELL

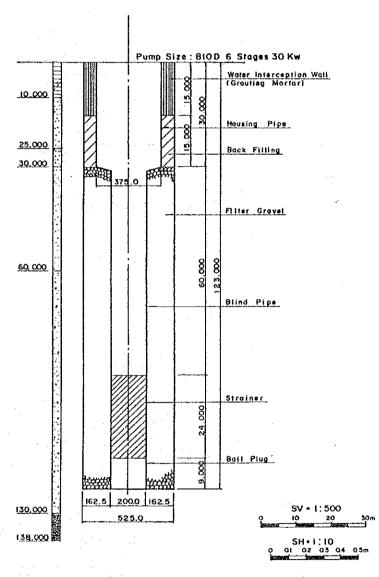
PROPOSED PRODUCTION WELL

NO. 1 WELL

NO. 2 WELL

NO. 3 WELL





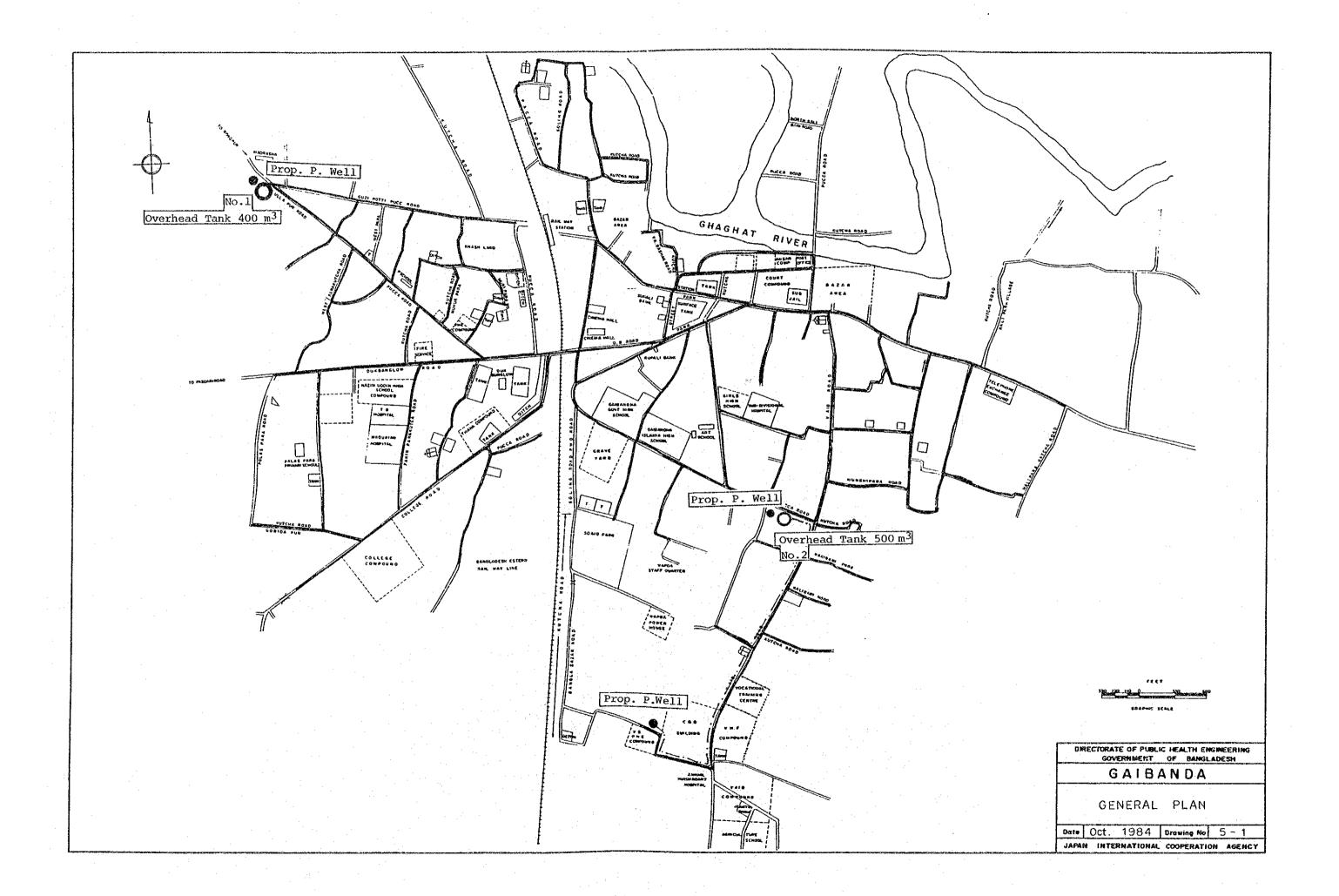
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
GOVERNMENT OF BANGLADESH

CHUADANGA

DETAIL OF PRODUCTION WELL

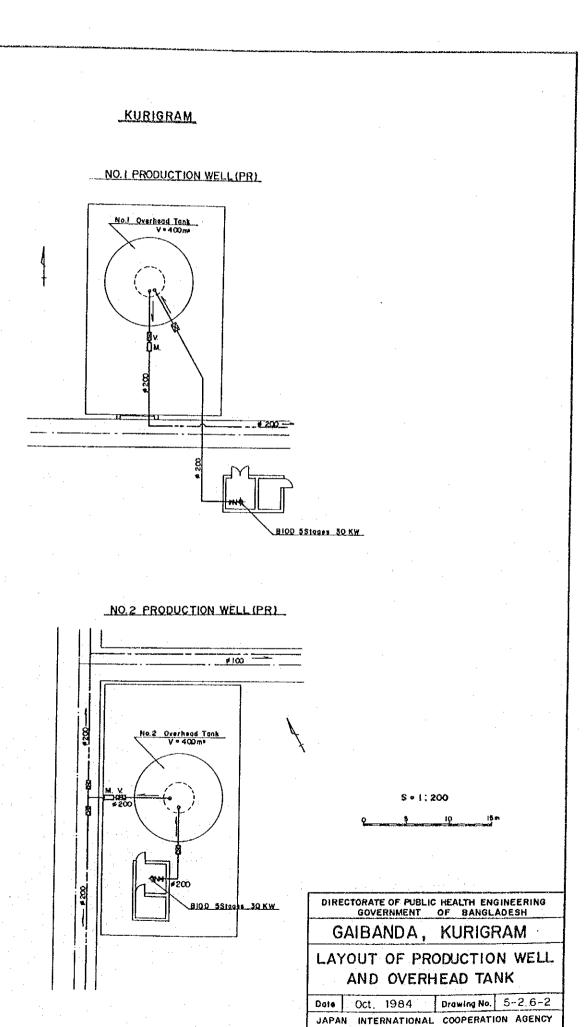
Date Oct. 1984 Drowing No. 4-3

JAPAN INTERNATIONAL COOPERATION AGENCY.



# GAIBANDA NO. I PRODUCTION WELL (PR) 8 IOD 5Stages 30 KW No.1 Overhead Tonk V=400m\* NO.2 PRODUCTION WELL (PR) NO.3 PRODUCTION WELL (PR) BIOD 6 Stagas 30KW

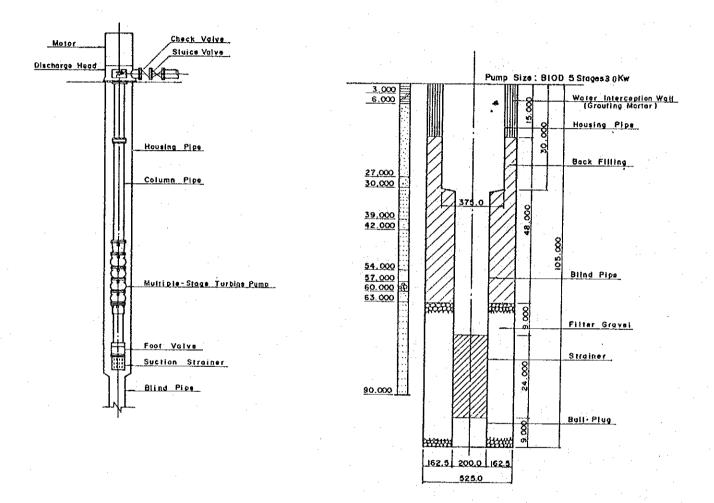
BIOD 5 Stoges 30EV

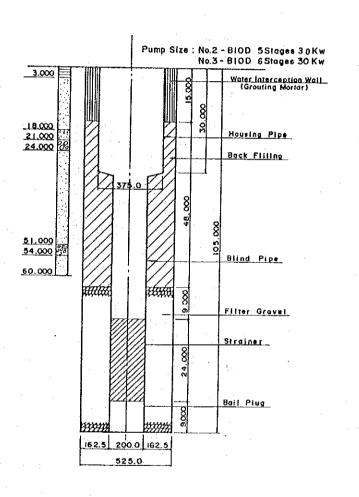


# PROPOSED PRODUCTION WELL

NO I WELL

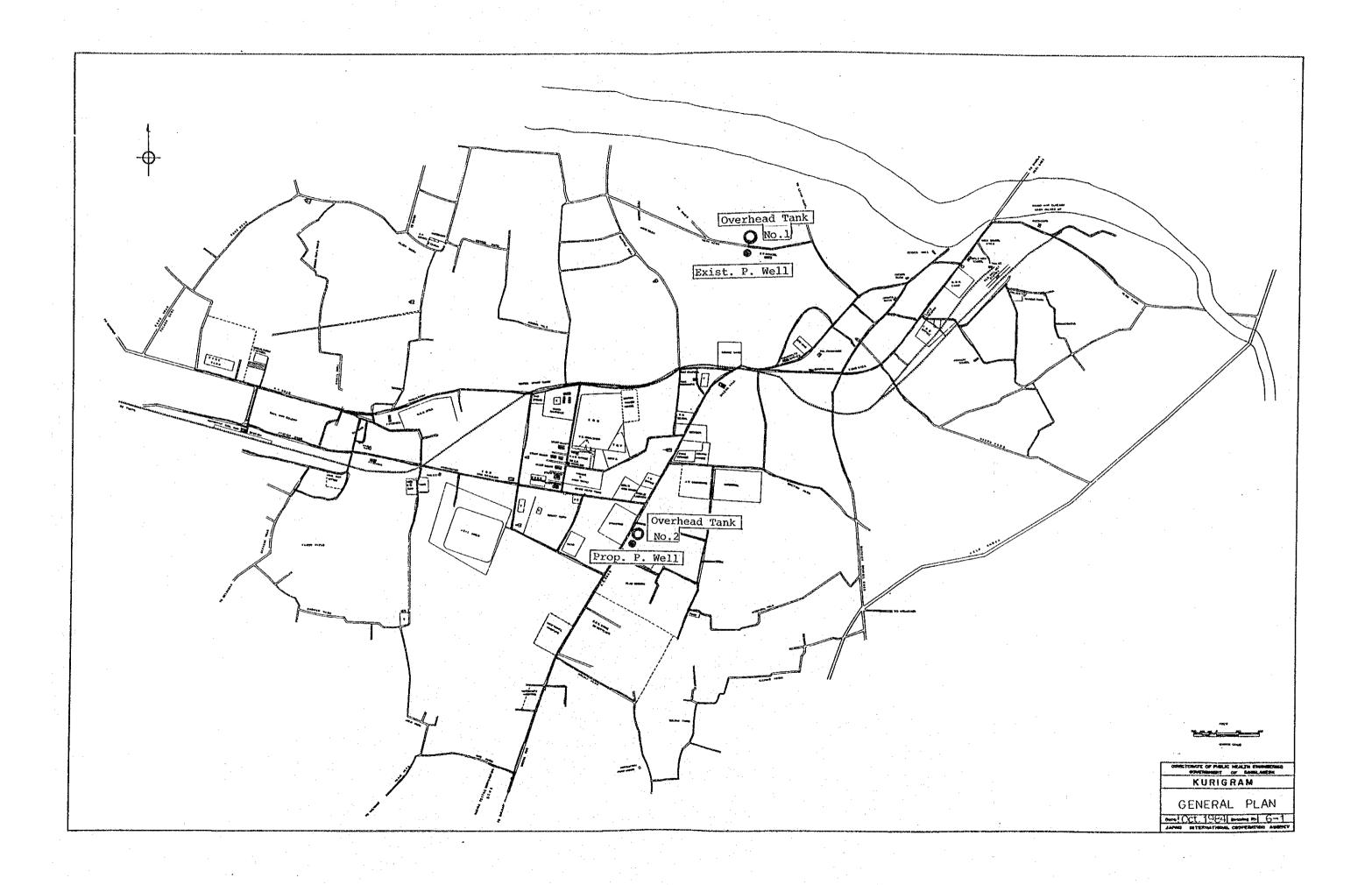
NO. 2,3 WELL







DIRE			HEALTH ENG OF BANGLA	
	(	SAIBA	ANDA	
D. C. J.	A11 0	. DD/	ODUCTION	TWELL
UE I	AIL U	יר את		A AA E P P
Date	Oct.	1984	Drawing No.	5 - 3

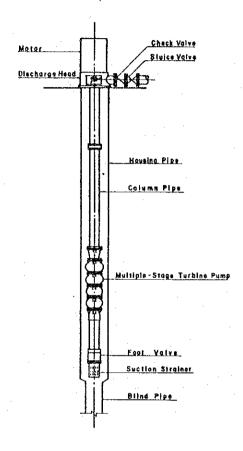


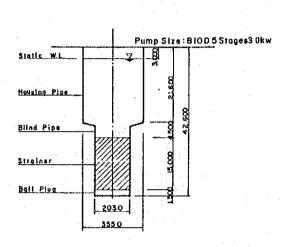
EXISTING PRODUCTION WELL

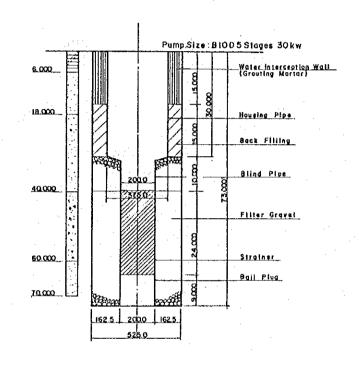
PROPOSED PRODUCTION WELL

NO I WELL

NO. 2 WELL

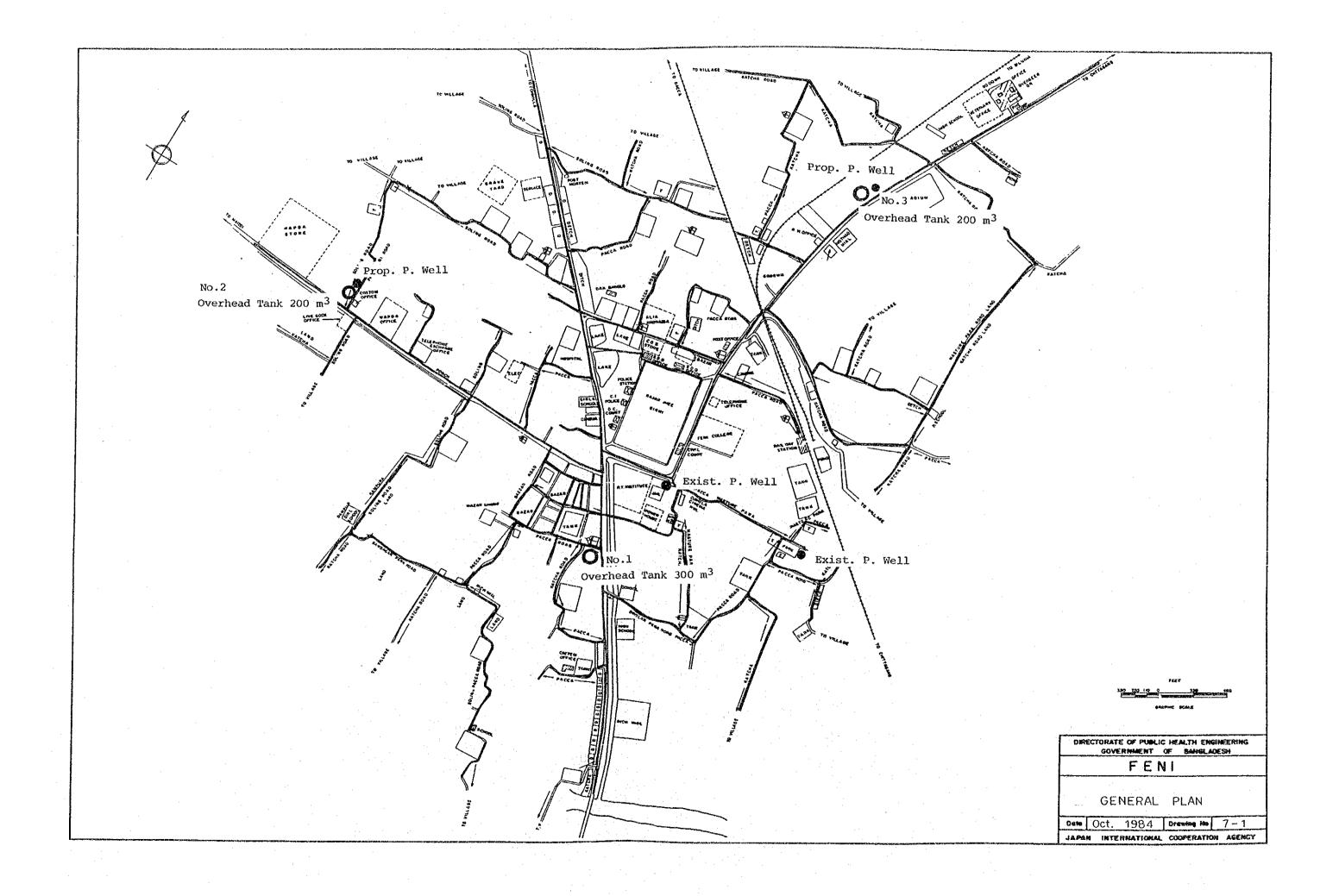








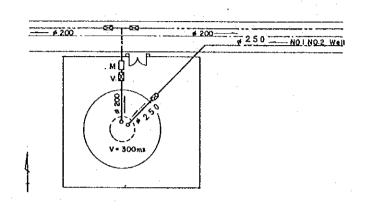
DIRE			HEALTH ENGIN		
		KURI	GRAM		
DETAIL OF PRODUCTION WELL					
Date	Oct.	1984	Drawing No.	6-3	
JAPA	N INTER	NATIONAL	COOPERATION	AGENCY	



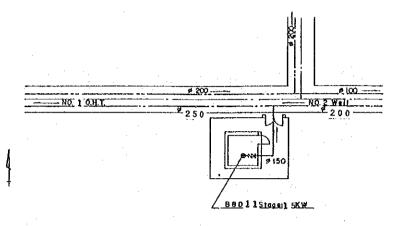
# NO.I PRODUCTION WELL (EX)

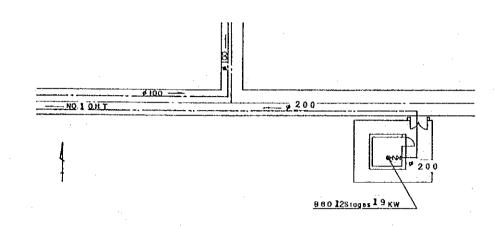
# NO.2 PRODUCTION WELL (EX.)





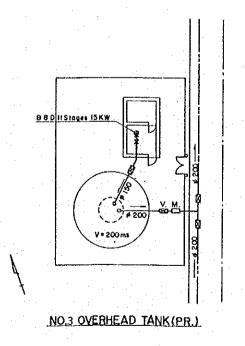
NO.3 PRODUCTION WELL (PR.)





# NO 2 OVERHEAD TANK(PR.)

# NO.4 PRODUCTION WELL (PR)



# NOTES

PR.: Proposed
EX: Existing
QHT:Overhead Tank
M.: Meter
V. | Sluice Vatve

S = 1 : 200 0 5 to is

DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH

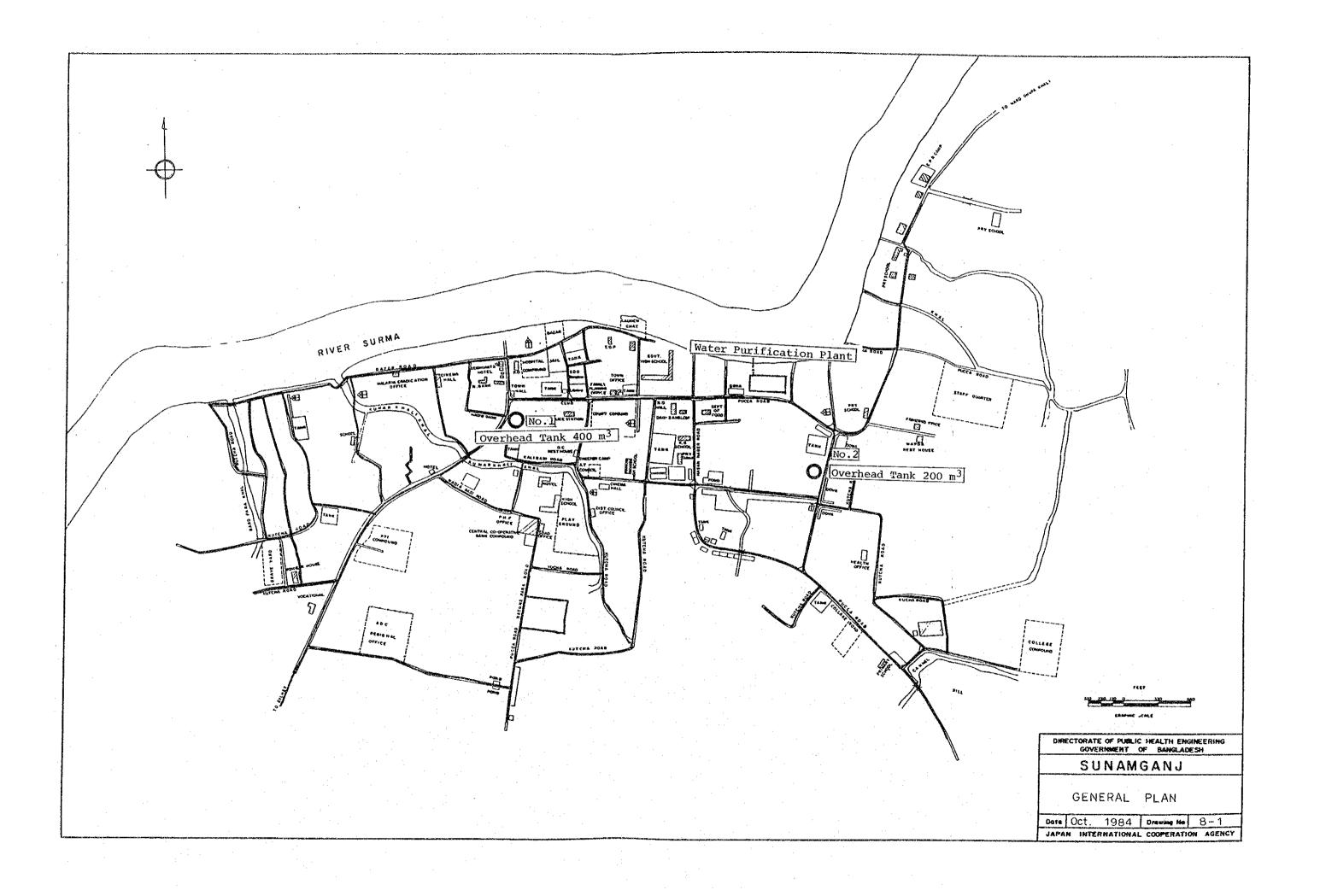
# FENI

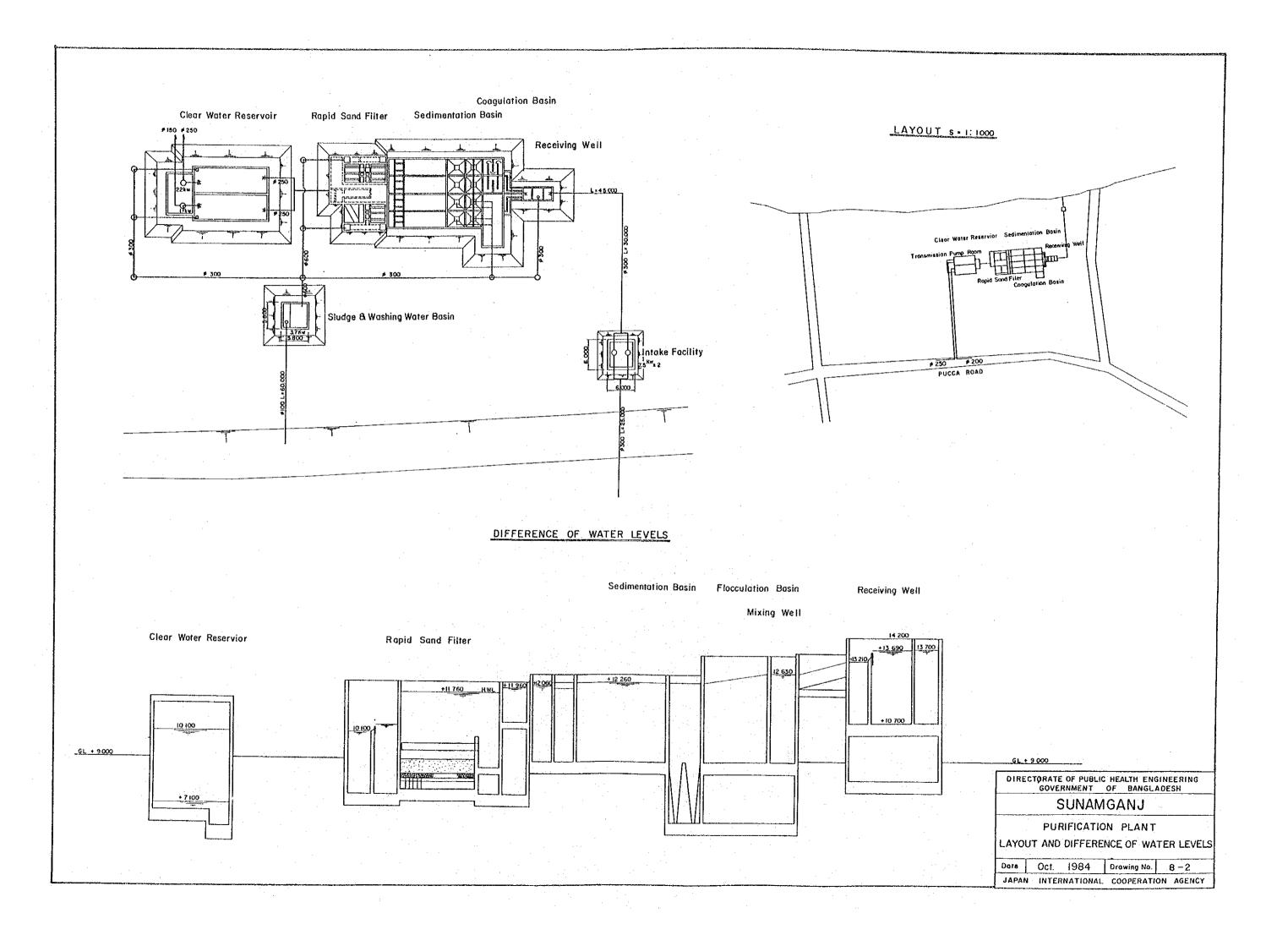
LAYOUT OF PRODUCTION WELL AND OVERHEAD TANK

Date Oct. 1984 Drawing No. 7-2

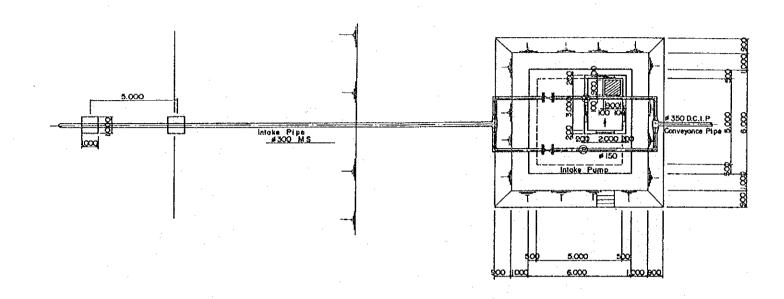
JAPAN INTERNATIONAL COOPERATION AGENCY

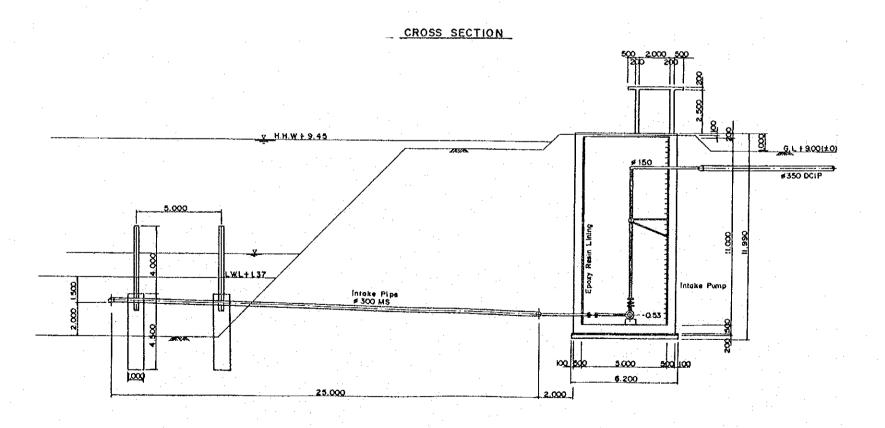
INSTALLATION OF PUMP EXISTING PRODUCTION WELL PROPOSED PRODUCTION WELL NO I WELL NO.3 WELL NO. 2 WELL NO 4 WELL Pump Size: 880 1 1Stage 1 5kw Pump Size : BBD1 2Stages1 9kw Pump Size: BBD 11 Stages 15kw Pump Size: B8011Stages 15kw Stalle W.L. Sluice Valve Statte W.L. Ölscharga Heed (Grouting Morter) Water Interception Wall (Grouting Mortar) 18.000 Housing Pipe Housing Pipa Housing Pipe Housing Plac 24.000 Housing Pipe Back Filling Back Filling A7.000 Column Pipe 60.000 Kultiple-Stage Turbine Pump Blind Plea Blind Plos. 72,000 84.000 Foot Yalve Suction Strainer Olind Pipe Filter Gravel Filter Gravel 114.000 Blind Plps Strainer Strainer 132.000 Blind Pips 162,000 168.000 Strolner Stralage Strainer 200,000 150 150 150 210,000 Bali Plua DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH mwd byyy 150 150 150 FENI SV = 1:500 450 DETAIL OF PRODUCTION WELL SH = 1:10 01 0.2 0.3 0.4 05m Date Oct. 1984 Drawing No. 7 - 3 JAPAN INTERNATIONAL COOPERATION AGENCY





PLAN

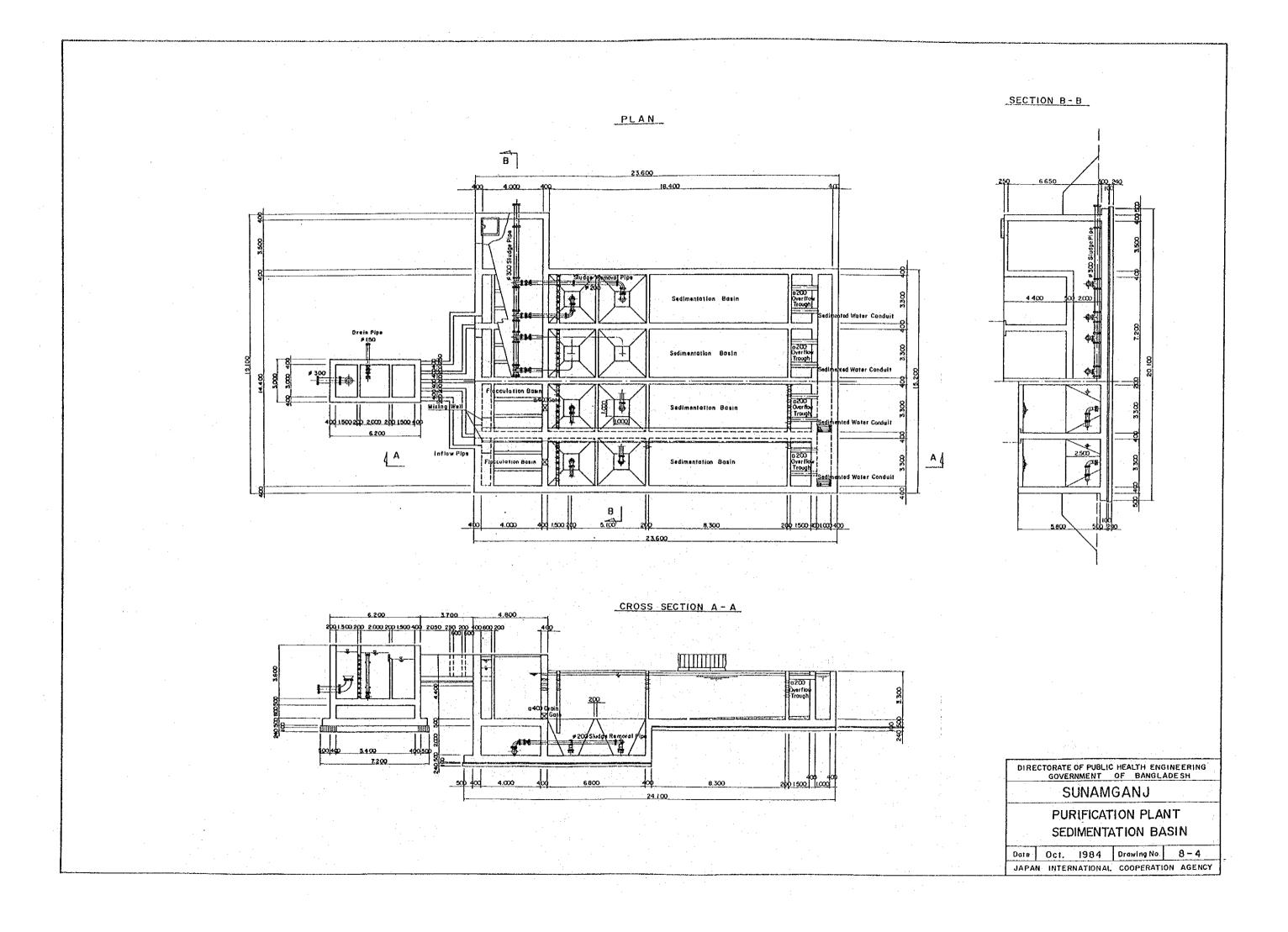


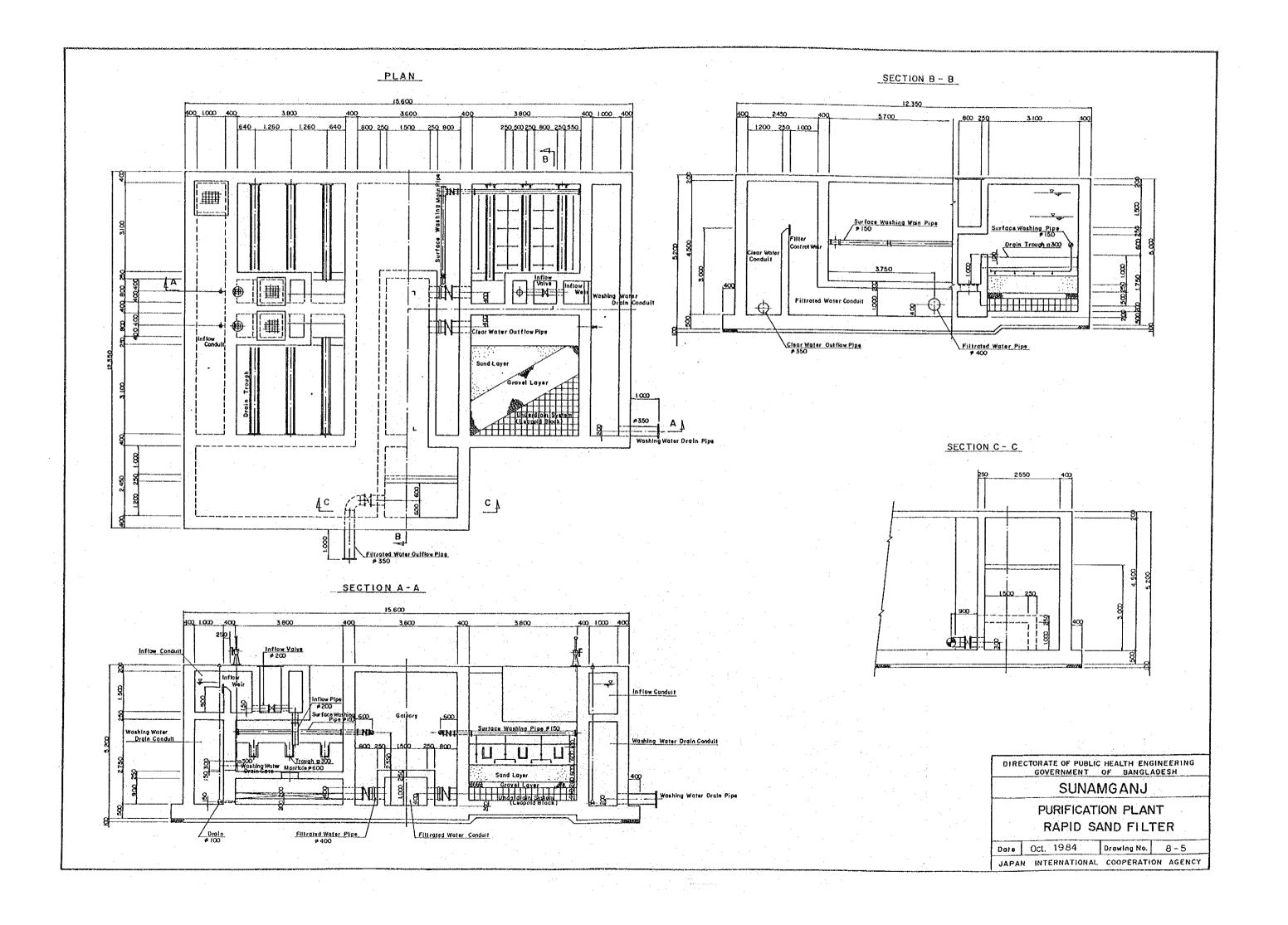


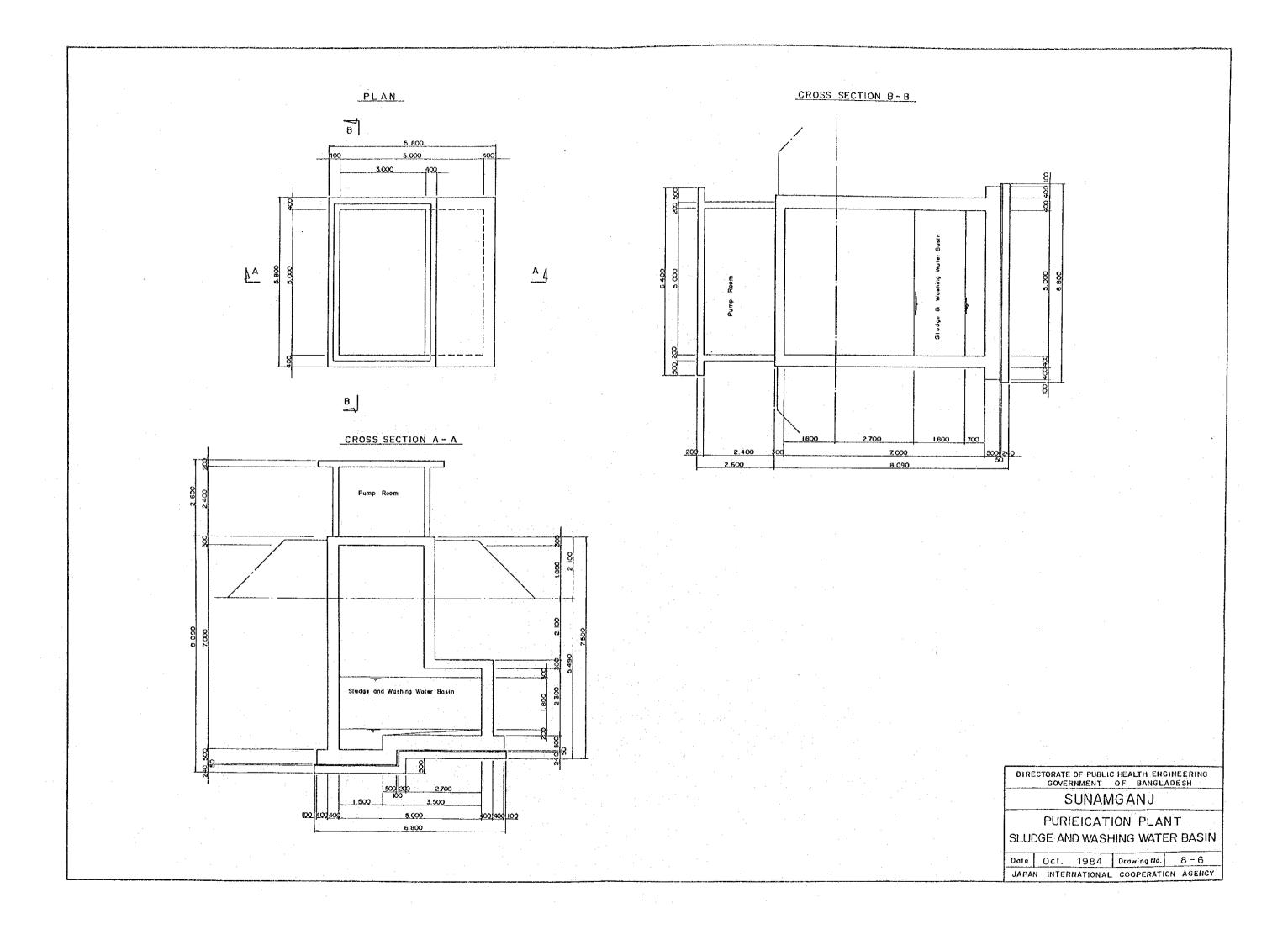
DIRECTORATE OF PUBLIC HEALTH ENGINEERING
GOVERNMENT OF BANGLADESH
SUNAMGANJ
PURIEICATION PLANT
INTAKE FACILITIES

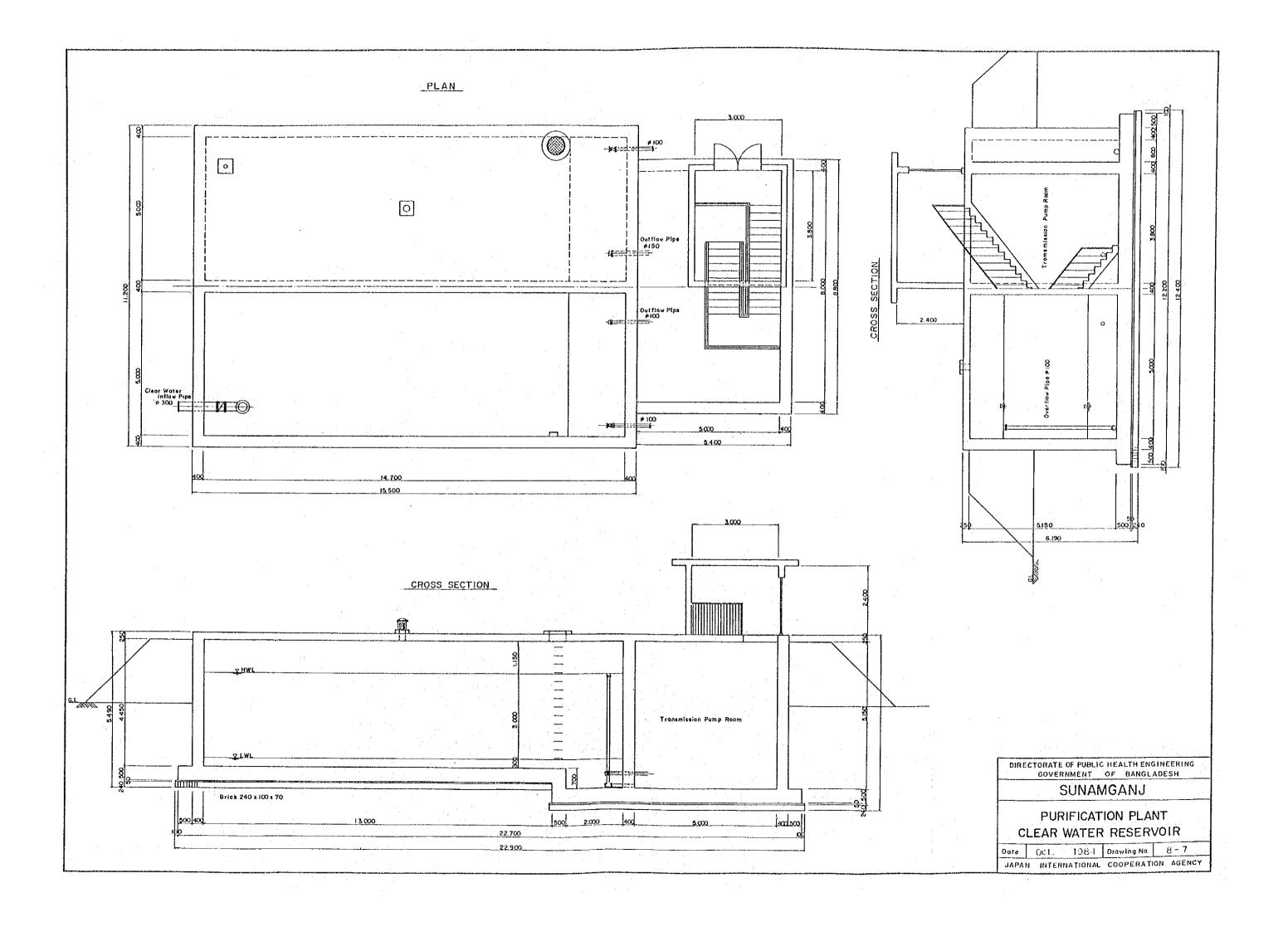
Date Oct. 1984 Drawing No. 8-3

JAPAN INTERNATIONAL COOPERATION AGENCY

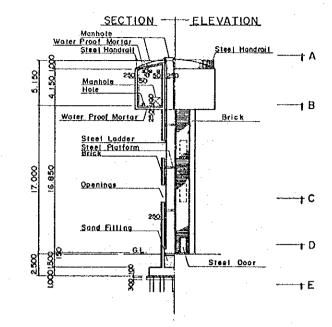






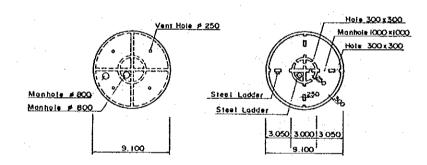


# 200m3 OVER HEAD TANK



A-SECTION

B-SECTION



C-SECTION

D-SECTION

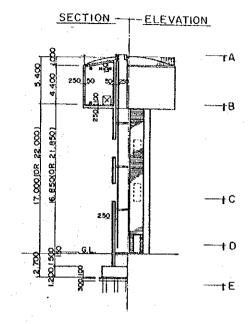


E - SECTION



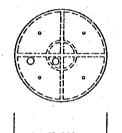
Pile 2|Nos. - 400 # (40 T/P) L+ IS.000

# 300m3 OVERHEAD TANK



A-SECTION

B-SECTION



3.550 3.500 3.550

C-SECTION

D-SECTION



750 3.500 750

5 000

75b 3.500 750 5.000

5 \* 1: 200

E-SECTION



6.000

Pile 27Nos.- 400 # (40 T/P) L = 16.000

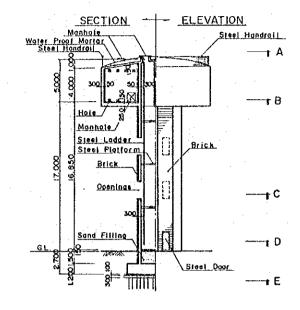
OVERHEAD TANK (200m3, 300m3)

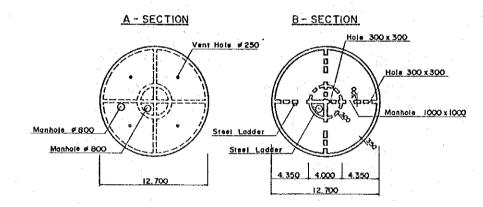
DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH

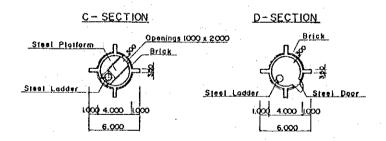
SECTION AND ELEVATION

Date Oct. 1984 Drawing No. 9-1 JAPAN INTERNATIONAL COOPERATION AGENCY

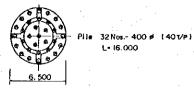
# 400m3 OVERHEAD TANK



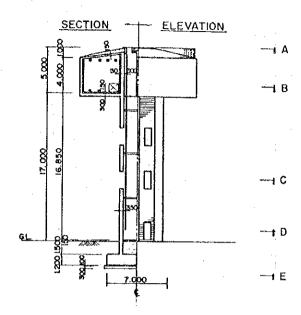




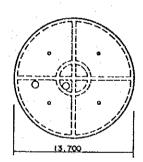
E-SECTION



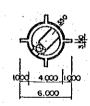
# 500m OVERHEAD TANK



A - SECTION



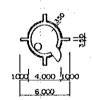
C - SECTION



B-SECTION



D-SECTION



E-SECTION



Pile 38 Nos. 400 # (40 T/P) L+16.000 3 = 1: 200 0 5 10 15m

DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH

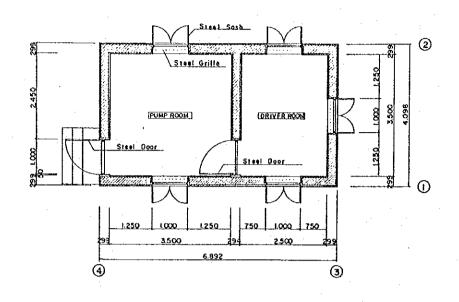
OVERHEAD TANK (400 m3,500 m3)
SECTION AND ELEVATION

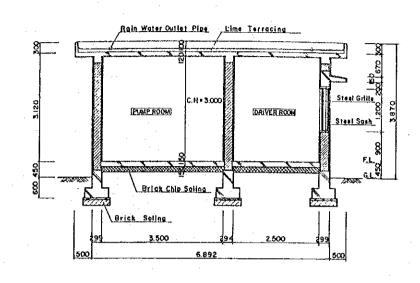
Date Oct. 1984 Drawing No. 9-2

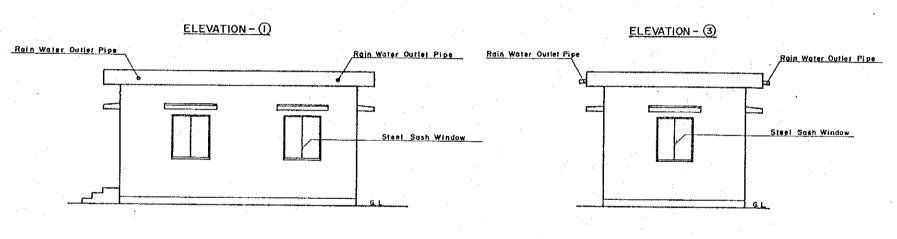
JAPAN INTERNATIONAL COOPERATION AGENCY

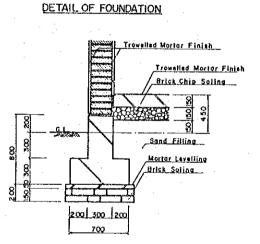
PLAN

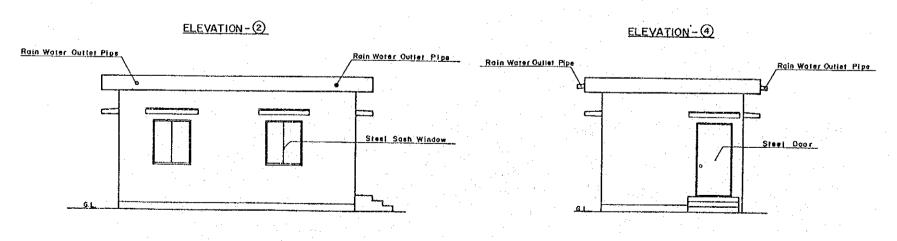
# CROSS SECTION













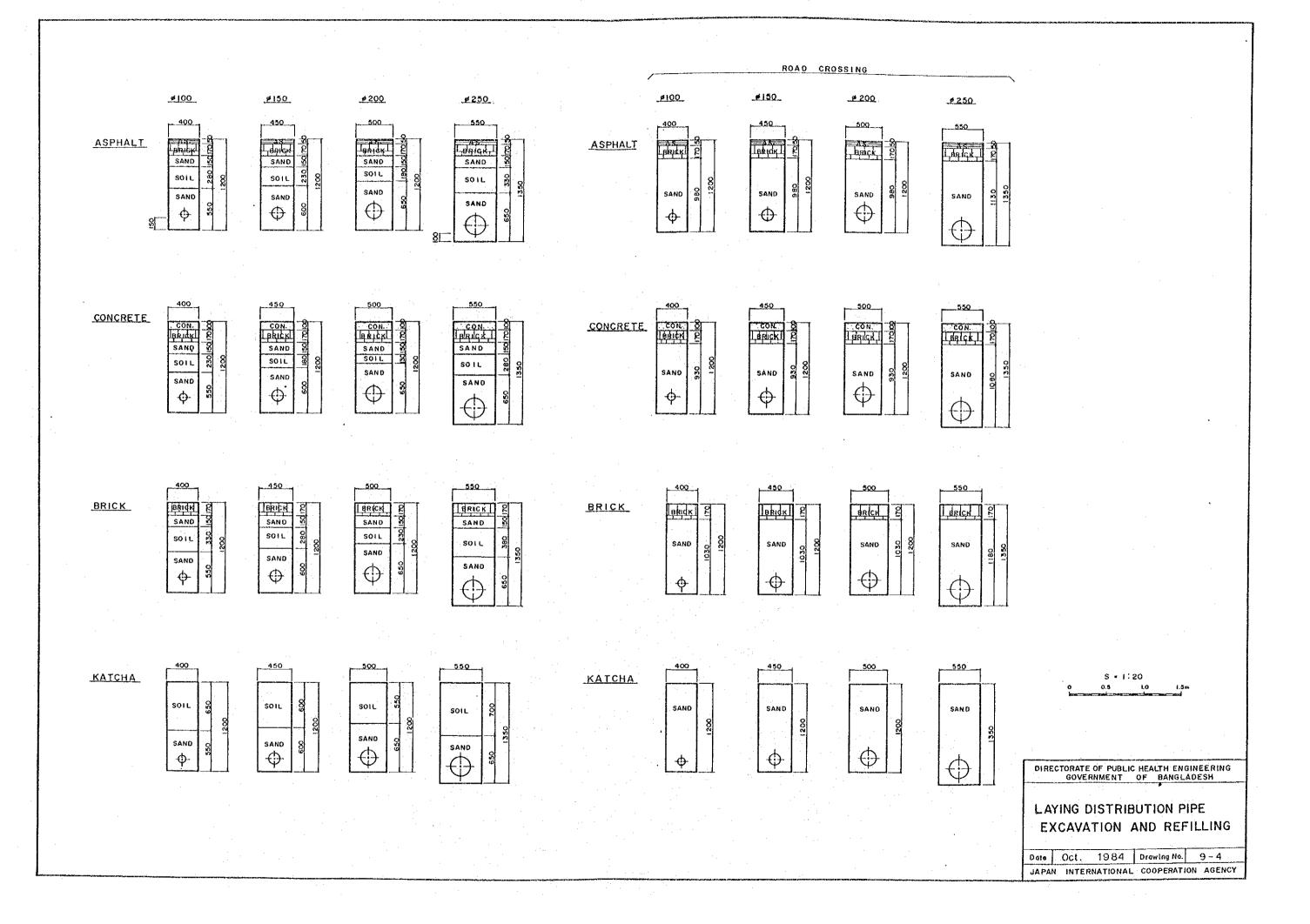
DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH

PUMP HOUSE

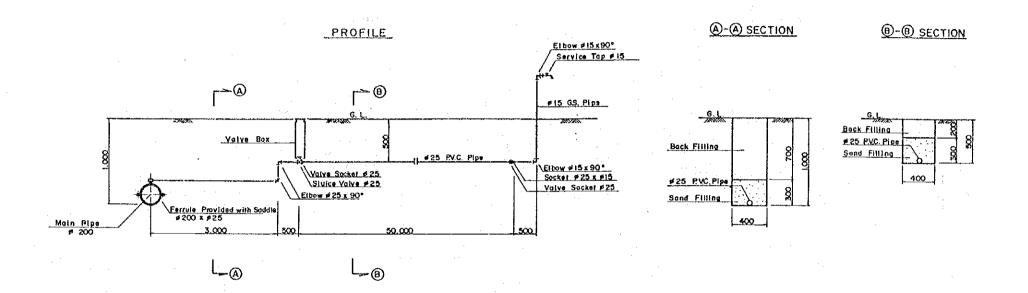
PLAN, CROSS SECTION
AND ELEVATIONS

Date Oct. 1984 Drawing No. 9-3

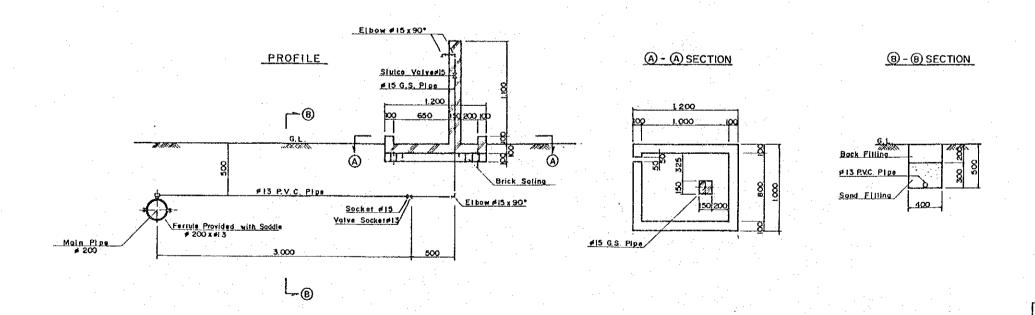
JAPAN INTERNATIONAL COOPERATION AGENCY



# HOUSE CONNECTION



# PUBLIC STANDPOST



DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH

HOUSE CONNECTION

AND PUBLIC STANDPOST

PROFILE AND SECTION

 Date
 Oct.
 1984
 Drawing No.
 9-5

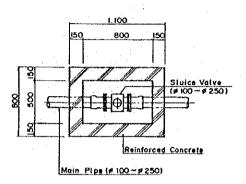
JAPAN INTERNATIONAL COOPERATION AGENCY

VALVE BOX

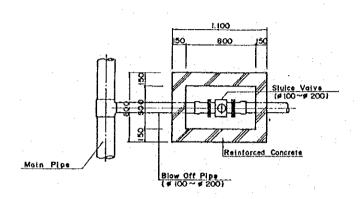
BLOW OFF

PIPE - END WORKS

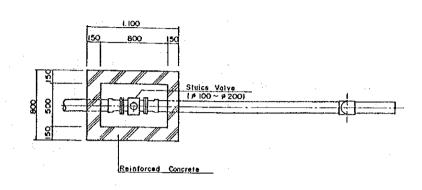
PLAN



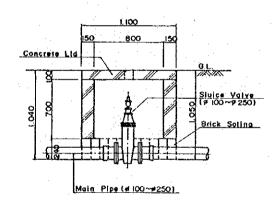
<u> PLAN</u>



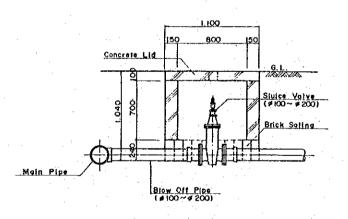
PLAN



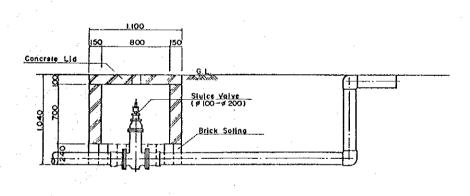
CROSS SECTION



CROSS SECTION



CROSS SECTION



S = 1 : 20 O OS 1.0 1.59

DIRECTORATE OF PUBLIC HEALTH ENGINEERING GOVERNMENT OF BANGLADESH

VALVE BOX, BLOW OFF AND PIPE-END WORKS

PLAN AND CROSS SECTION

Date Oct. 1984 Drawing No. 9-6

JAPAN INTERNATIONAL COOPERATION AGENCY

