

資料-10 基本設計図



資料 10-1 南ギザ浄水場拡張計画

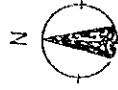


南ギザ州浄水場拡張計画基本設計図

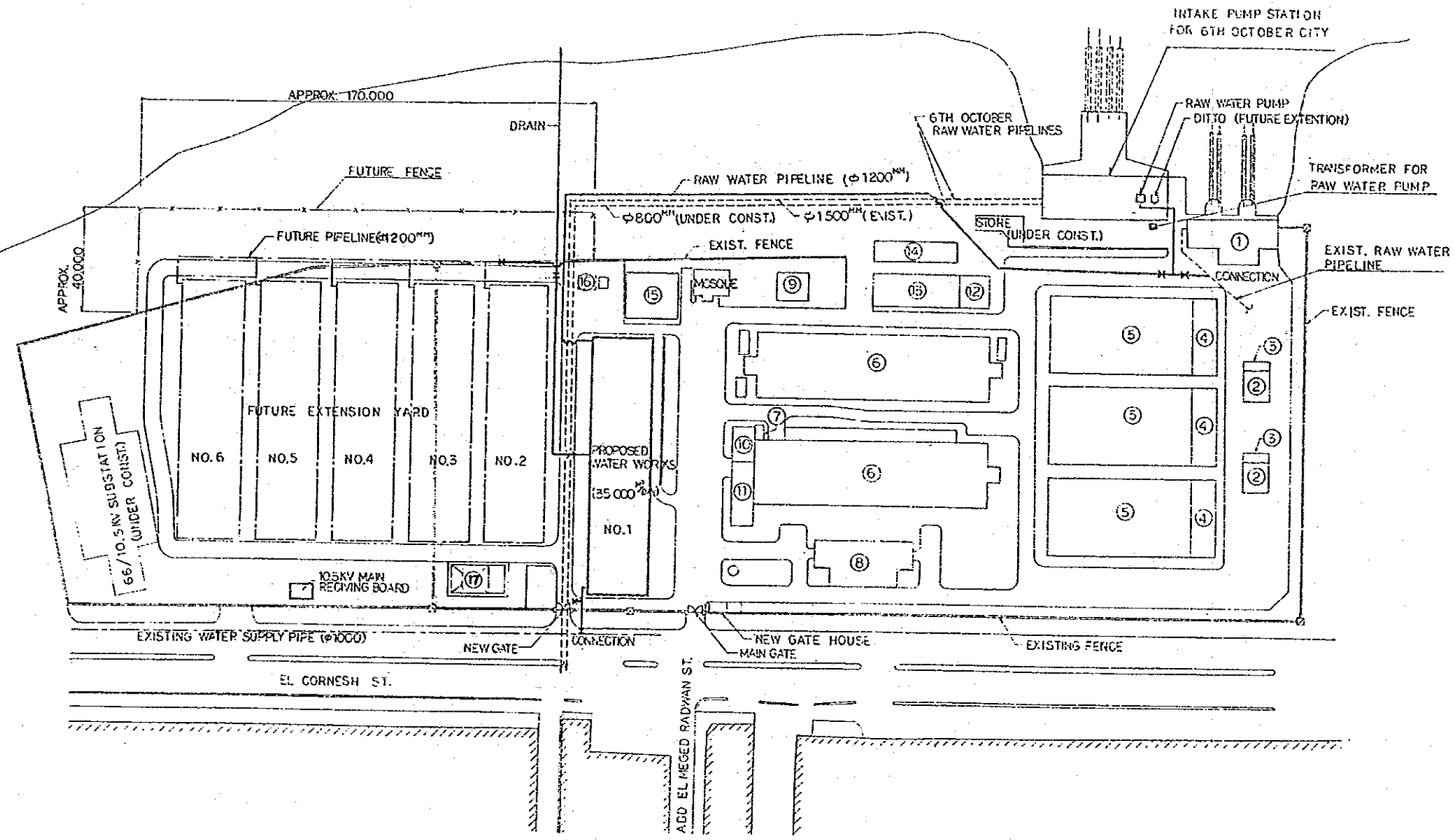
図面リスト

- EGM-WT-01 南ギザ浄水場拡張施設一般平面図
- EGM-WT-02 導水ポンプ設備－平断面図
- EGM-WT-03 拡張浄水施設－平面図
- EGM-WT-04 拡張浄水施設－断面図
- EGM-WT-05 薬品注入設備／電気設備室－配置図
- EGM-WT-06 洗浄設備図
- EGM-WT-07 拡張浄水施設構造図－平断面図
- EGM-WT-08 沈澱池構造図－平面図(1/3)
- EGM-WT-09 沈澱池構造図－平面図(2/3)
- EGM-WT-10 沈澱池構造図－平面図(3/3)
- EGM-WT-11 沈澱池構造図－断面図(1/3)
- EGM-WT-12 沈澱池構造図－断面図(2/3)
- EGM-WT-13 沈澱池構造図－断面図(3/3)
- EGM-WT-14 ろ過池・浄水池構造図－平面図(1/3)
- EGM-WT-15 ろ過池・浄水池構造図－平面図(2/3)
- EGM-WT-16 ろ過池・浄水池構造図－平面図(3/3)
- EGM-WT-17 ろ過池・浄水池構造図－断面図(1/3)
- EGM-WT-18 ろ過池・浄水池構造図－断面図(2/3)
- EGM-WT-19 ろ過池・浄水池構造図－断面図(3/3)
- EGM-WT-20 送水ポンプ設備－平面図
- EGM-WT-21 送水ポンプ設備－断面図／既設管接続図
- EGM-WT-22 ろ過池操作室－立面図
- EGM-WT-23 ろ過池操作室－平面図
- EGM-WT-24 ろ過池操作室－立面図
- EGM-WT-25 ろ過池操作室建具詳細図
- EGM-WT-26 計装系統図
- EGM-WT-27 単線結線図





RIVER NILE



EXISTING FACILITIES OF SOUTH GIZA WATERWORKS

- ① INTAKE PUMP STATION (FOR EXISTING WATERWORKS)
- ② DISTRIBUTION BASIN AND DOSING APPARATUS
- ③ PRE-CHLORINATION
- ④ FLOCCULATION BASIN
- ⑤ COAGULATION BASIN
- ⑥ FILTER BASIN
- ⑦ POST-CHLORINATION
- ⑧ DISTRIBUTION PUMP STATION
- ⑨ SLUDGE BASIN
- ⑩ WATER QUALITY LABORATORY
- ⑪ ADMINISTRATION BUILDING
- ⑫ WORKSHOP
- ⑬ WAREHOUSE
- ⑭ CHLORINE STORAGE
- ⑮ EMERGENCY GENERATOR
- ⑯ FUEL OIL RESERVOIR
- ⑰ OFFICE

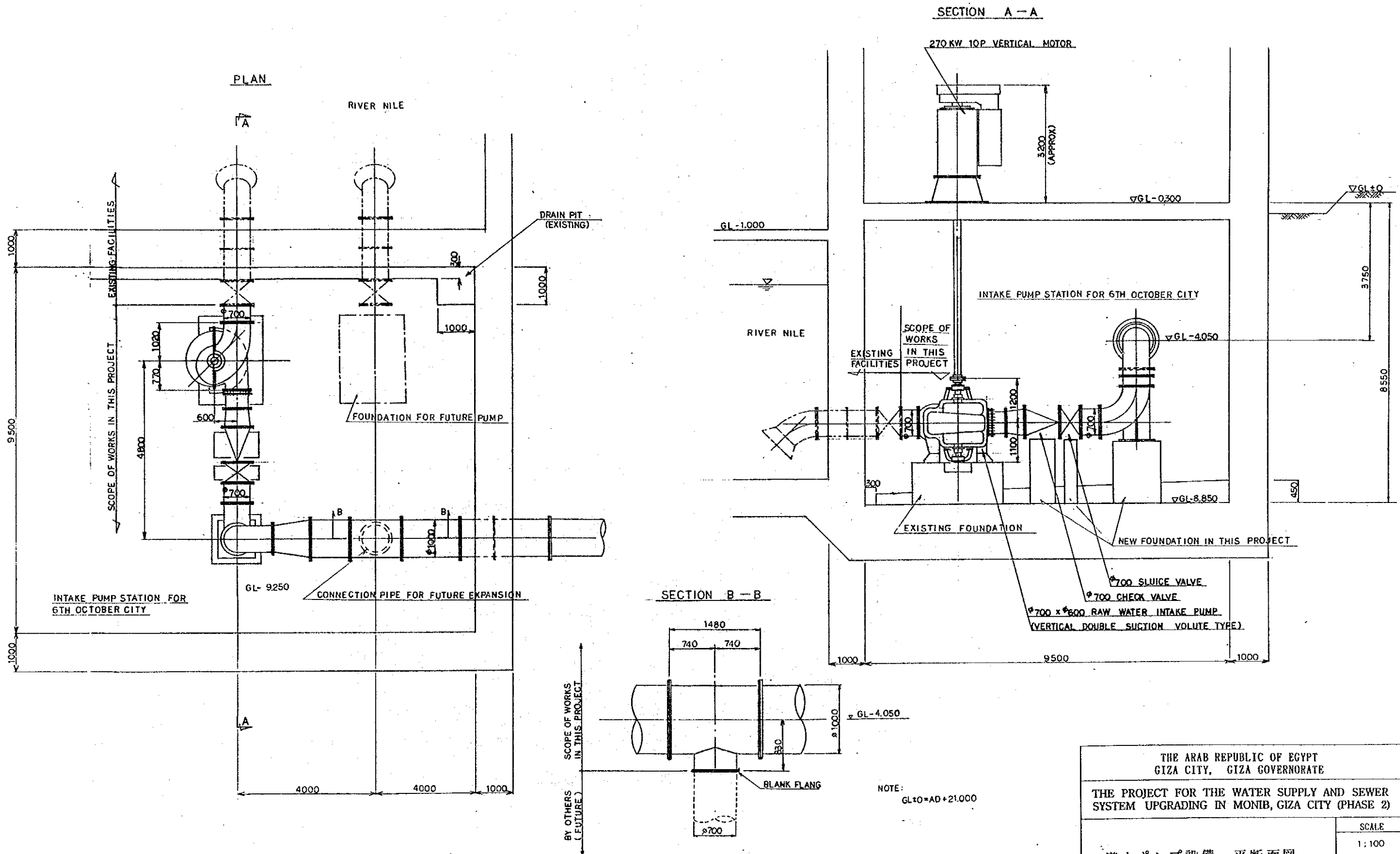
LEGEND  
 [Symbol] FACILITIES } SCOPE OF WORKS  
 [Symbol] PIPELINES } IN THIS PROJECT  
 X VALVES

PLAN S=1:2000

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
南ギザ浄水場 拡張施設一般平面図	SCALE 1:2000
	DRAWING NO. EGM-WT-01
	JAPAN INTERNATIONAL COOPERATION AGENCY

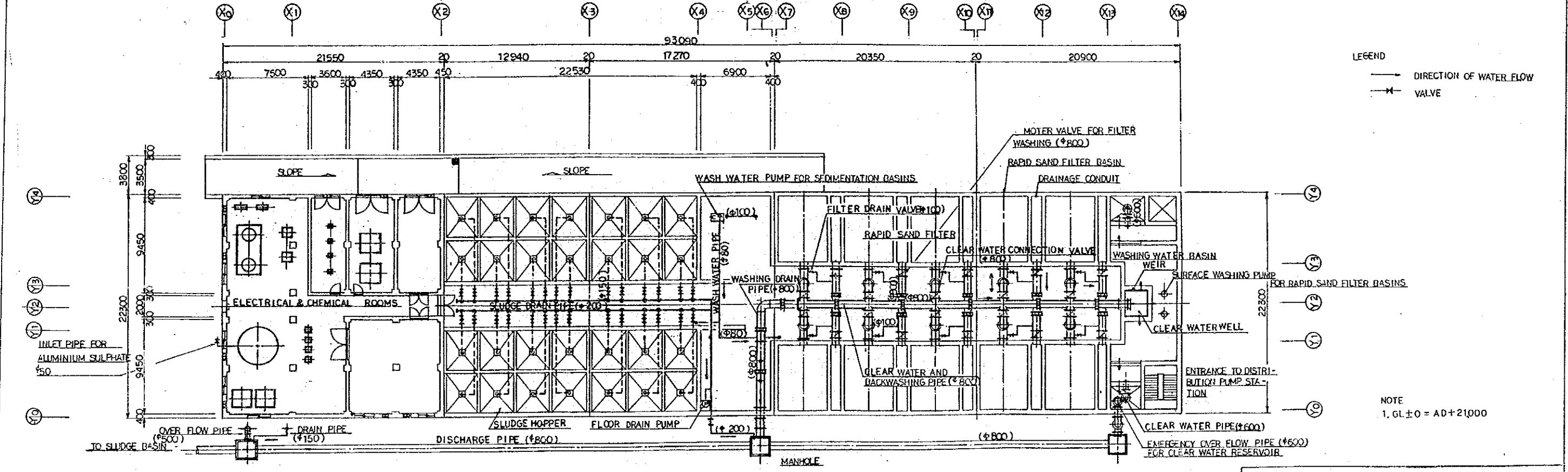
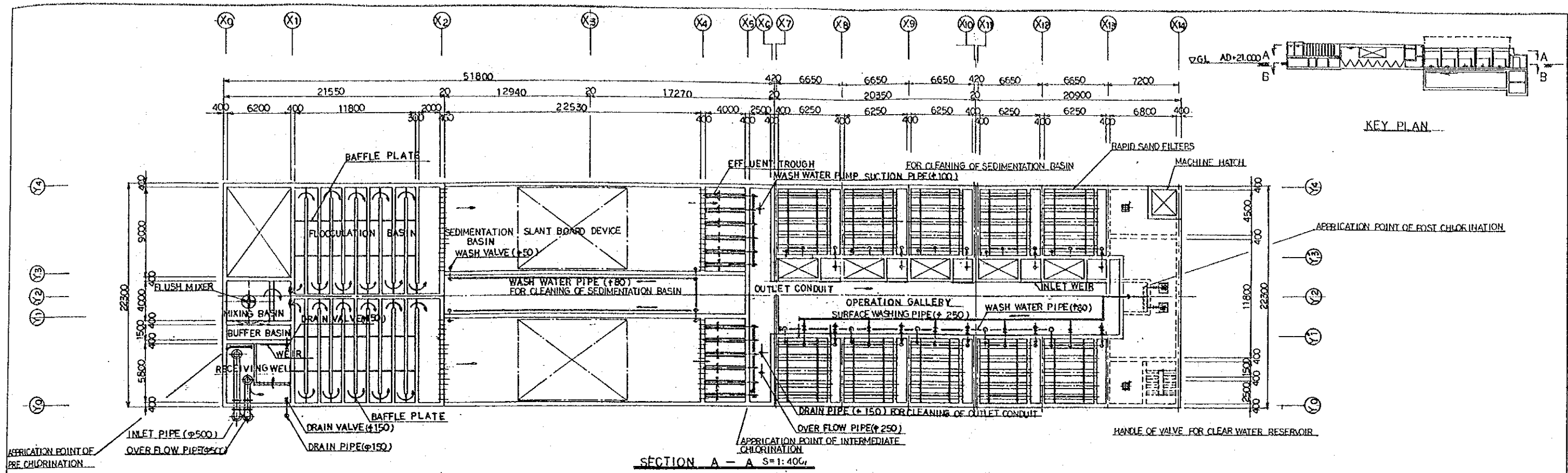
# RAW WATER INTAKE PUMP

SCALE: 1:100



THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
導水ポンプ設備—平断面図	SCALE
	1:100
	DRAWING NO. EGN-WT-02
JAPAN INTERNATIONAL COOPERATION AGENCY	





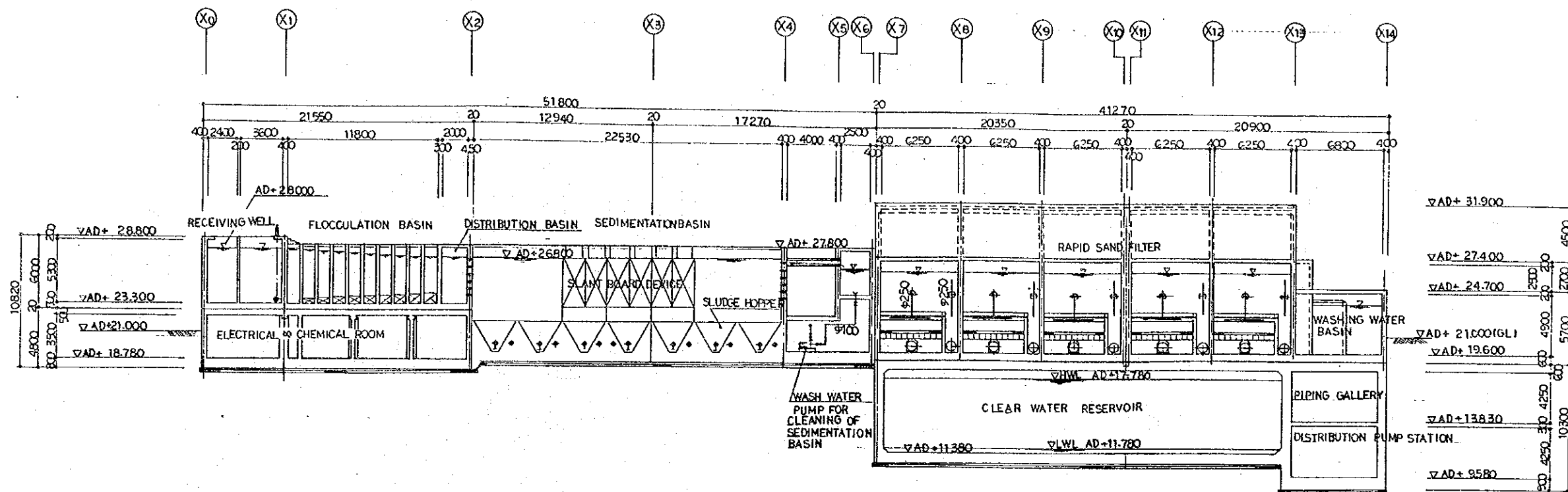
**LEGEND**

→ DIRECTION OF WATER FLOW

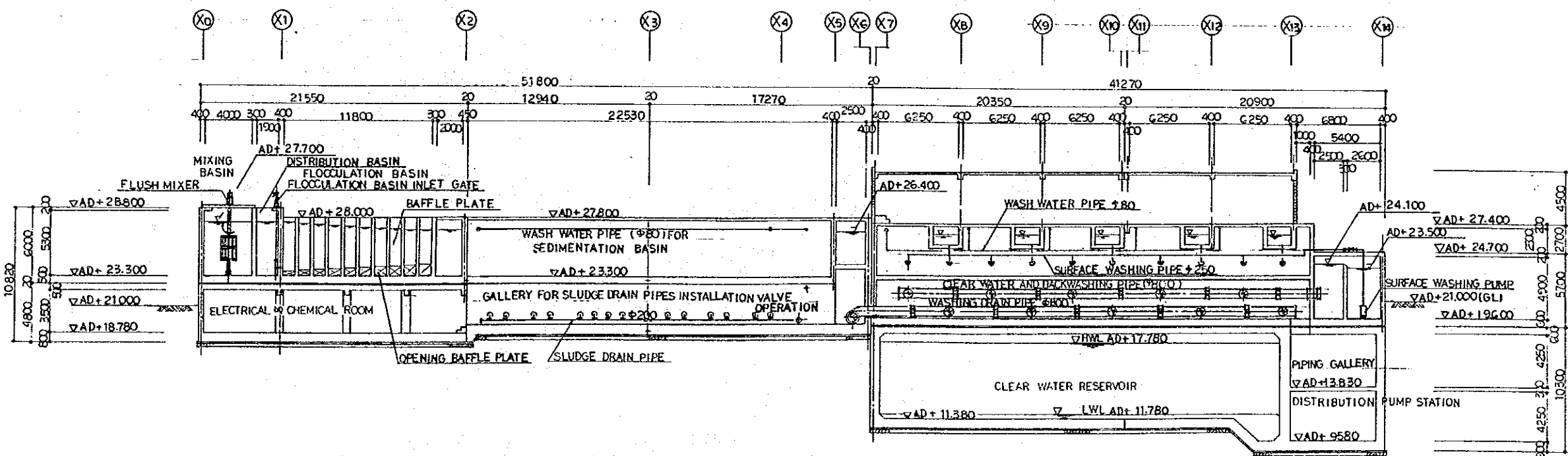
✕ VALVE

NOTE  
1. GL ± 0 = AD+21000

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
拡張浄水施設—平面図	SCALE: 1:400
	DRAWING NO. TCM-WT-03
	JAPAN INTERNATIONAL COOPERATION AGENCY



SECTION C - C S=1:400



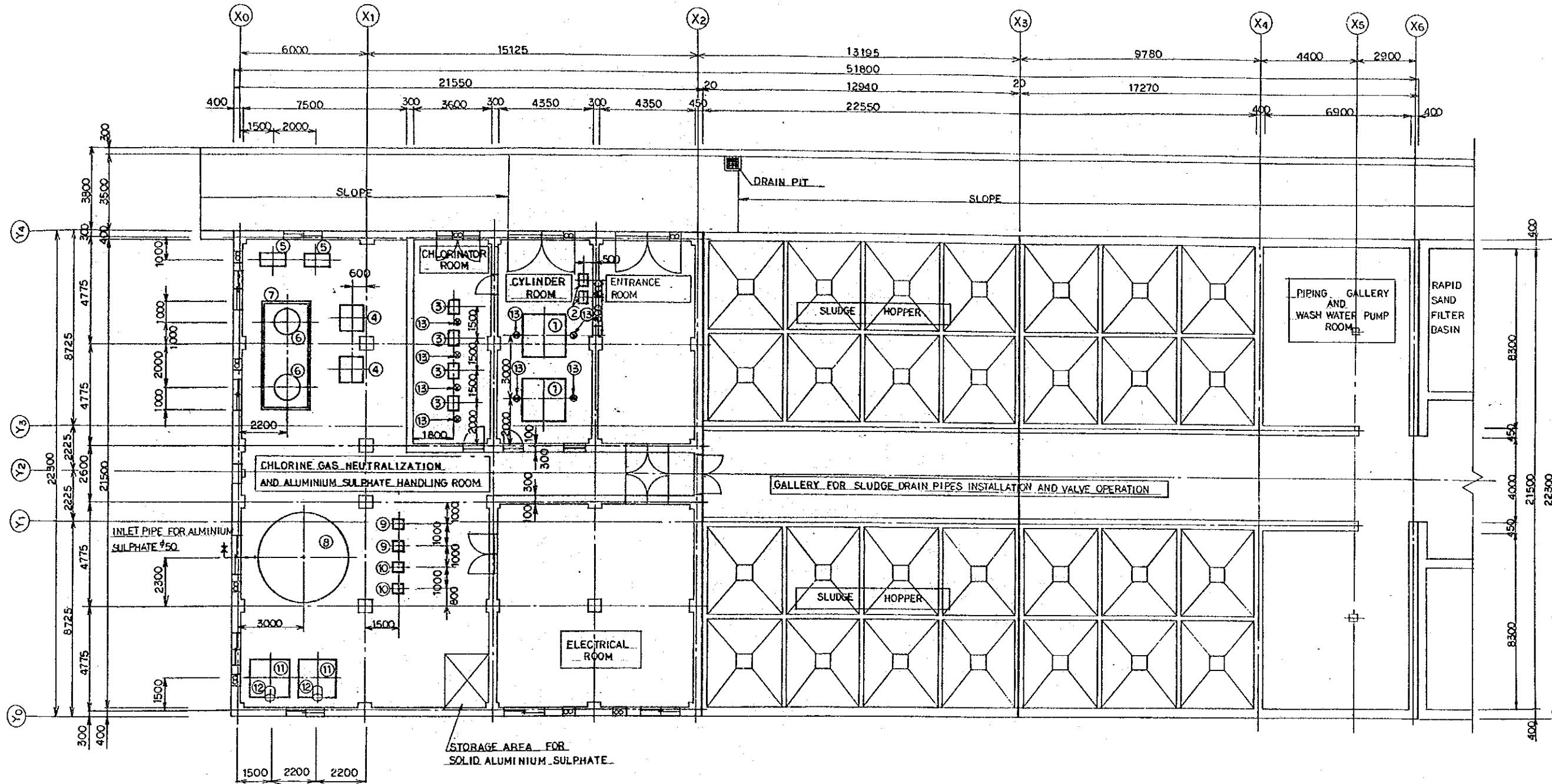
SECTION D - D S=1:400

NOTE: GL ± 0 = AD+21.000 (m)



KEY PLAN

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
拡張浄水施設一断面図	SCALE 1:400
	DRAWING NO. EGN-WT-04
	JAPAN INTERNATIONAL COOPERATION AGENCY



NOTE  
1. GL ± 0 = AD + 21000.

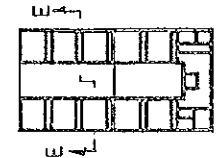
NAME OF FACILITY FOR CHEMICAL DOSING EQUIPMENT	MAIN SPECIFICATION
① CHLORINE CYLINDER WEIGHING SCALE	WEIGHING CAPACITY 4000 KG, MINIMUM GRADUATION 2 KG
② INDICATOR UNIT FOR CHLORINE CYLINDER WEIGHING SCALE	DIGITAL INDICATOR TYPE
③ CHLORINATOR	6 KG/H 2 UNITS (PRE AND INTERMEDIATE), 2 KG/H 2 UNITS (POST)
④ CHLORINE GAS EXHAUST FAN	60 M <sup>3</sup> /MIN
⑤ CAUSTIC SODA SOLUTION RECIRCULATION PUMP	800 L/MIN
⑥ ABSORPTION TOWER	1000 KG <sub>4</sub> (PVC)
⑦ CAUSTIC SODA SOLUTION STORAGE TANK	16 M <sup>3</sup> (INSIDE RUBBER LINING STEEL, OUTSIDE PAINTING)
⑧ LIQUID ALUMINIUM SULPHATE STORAGE TANK	12 M <sup>3</sup> (FRP)
⑨ LIQUID ALUMINIUM SULPHATE TRANSFER PUMP	6 L/MIN
⑩ ALUMINIUM SULPHATE SOLUTION DOSING PUMP	150 L/H
⑪ ALUMINIUM SULPHATE SOLUTION TANK	4 M <sup>3</sup> (FRP)
⑫ AGITATOR	PORTABLE TYPE
⑬ CHLORINE GAS DETECTOR	DETECTION RANGE MIN. 0 PPM, MAX. 5 PPM

THE ARAB REPUBLIC OF EGYPT  
GIZA CITY, GIZA GOVERNORATE

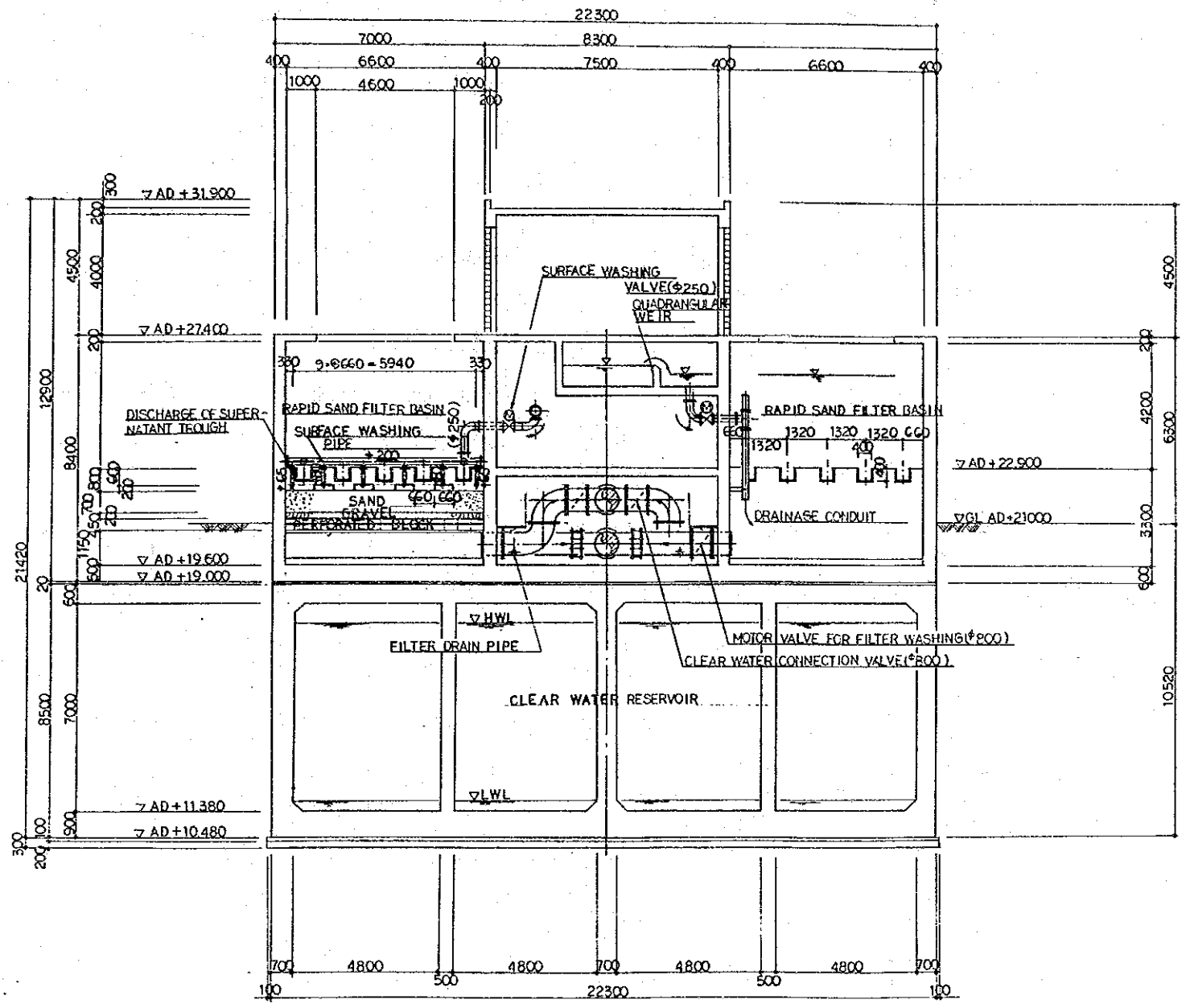
THE PROJECT FOR THE WATER SUPPLY AND SEWER  
SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)

薬品注入設備 / 電気設備室 配置図	SCALE
	1:200
	DRAWING NO. EGM-WT-05

JAPAN INTERNATIONAL COOPERATION AGENCY

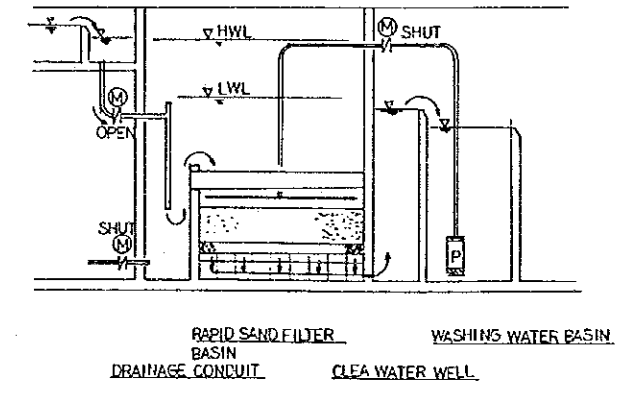


KEY PLAN

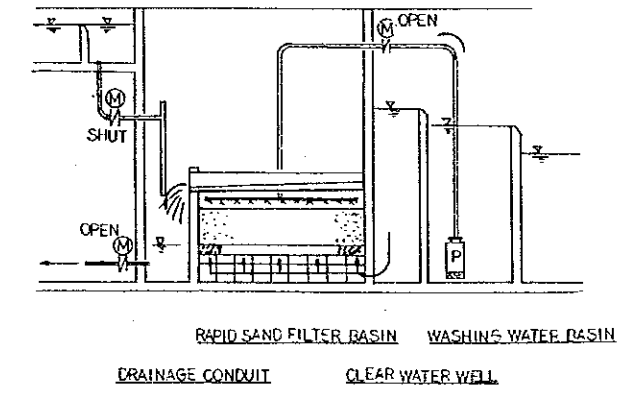


SECTION E - E s=1:200

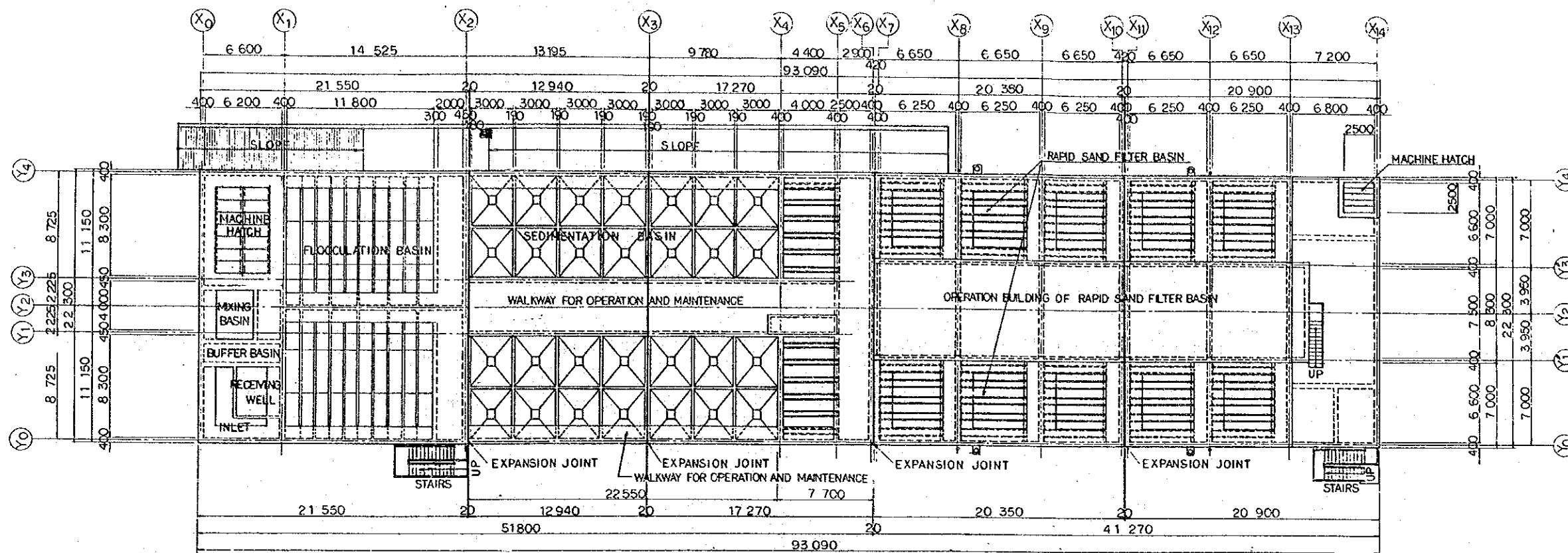
1. WATER FLOW IN THE MIDST OF FILTRATION



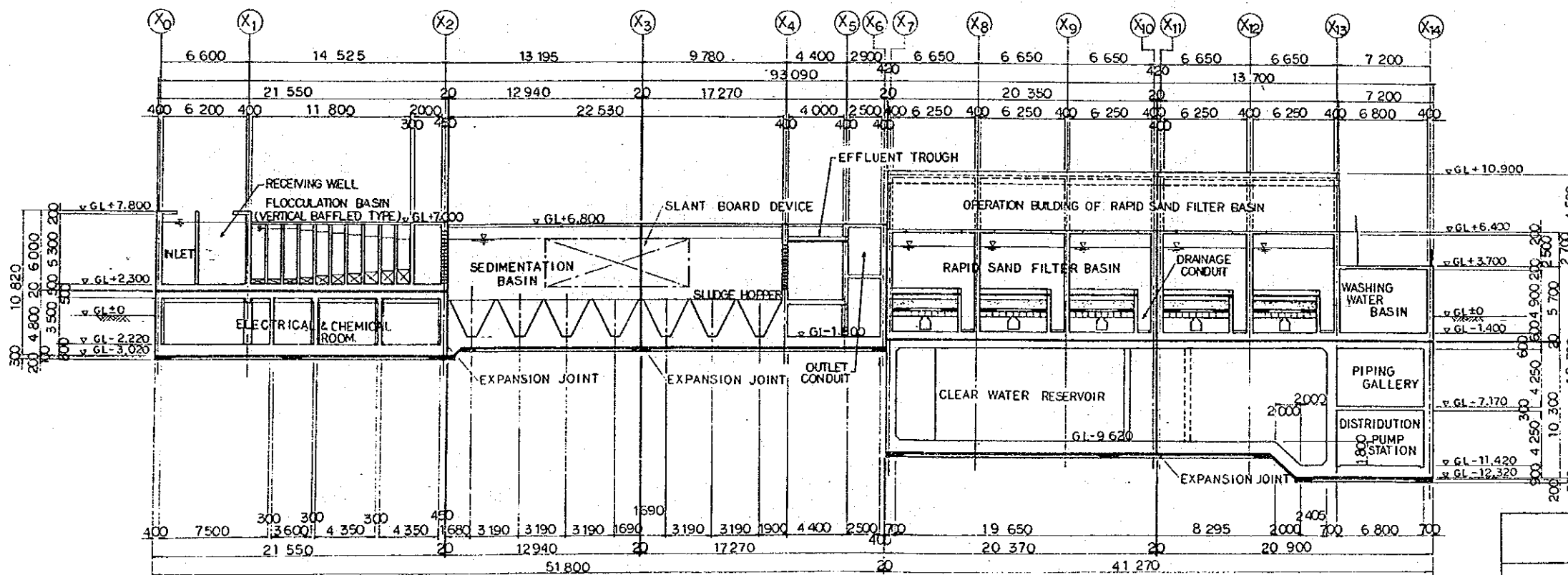
2. WATER FLOW IN THE MIDST OF BACKWASHING



THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
洗浄設備図	SCALE
	1:200
	DRAWING NO.
EGM-WT-06	
JAPAN INTERNATIONAL COOPERATION AGENCY	

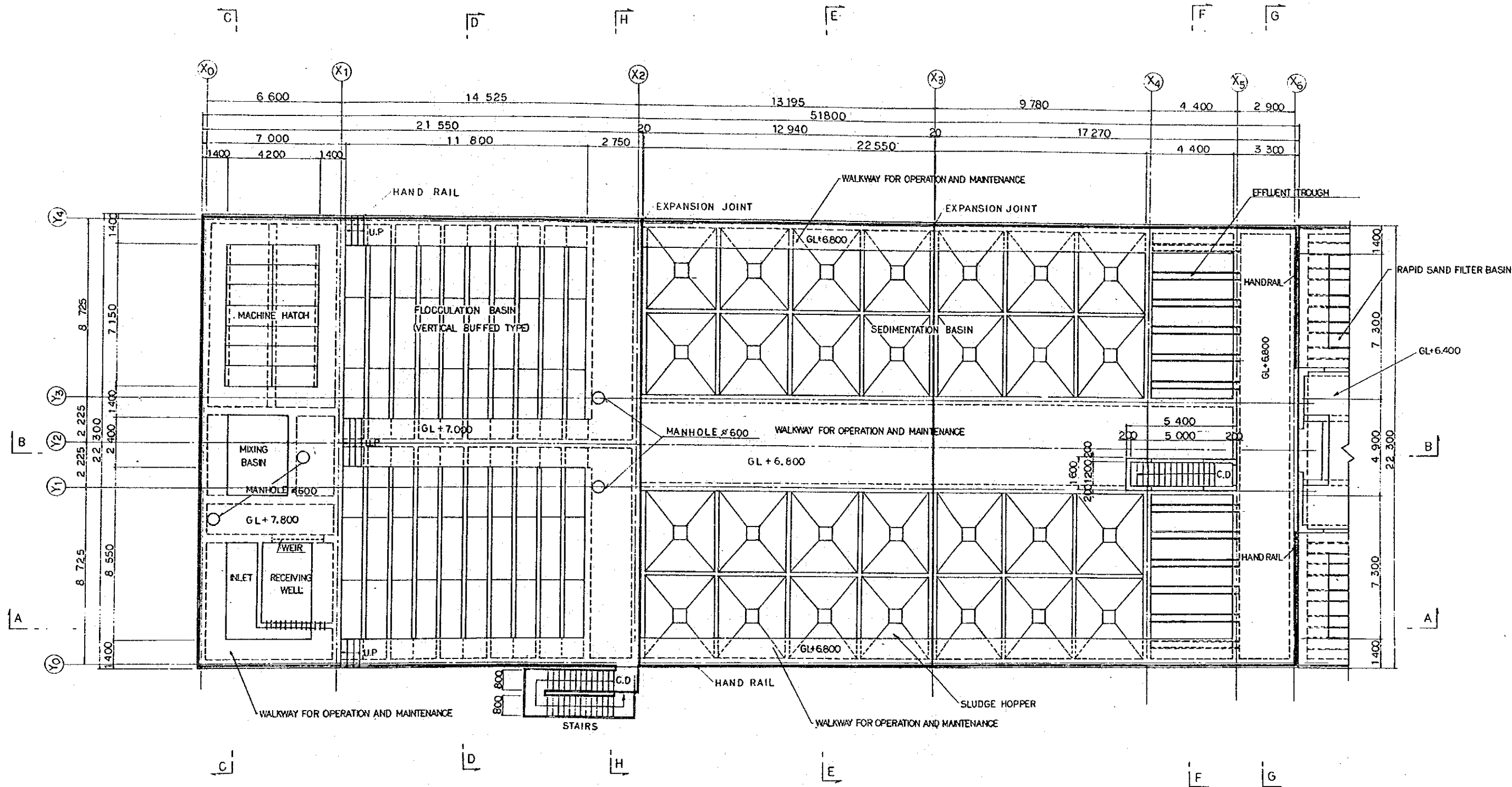


PLAN S=1:400



NOTE:  
GL±0=AD-21000

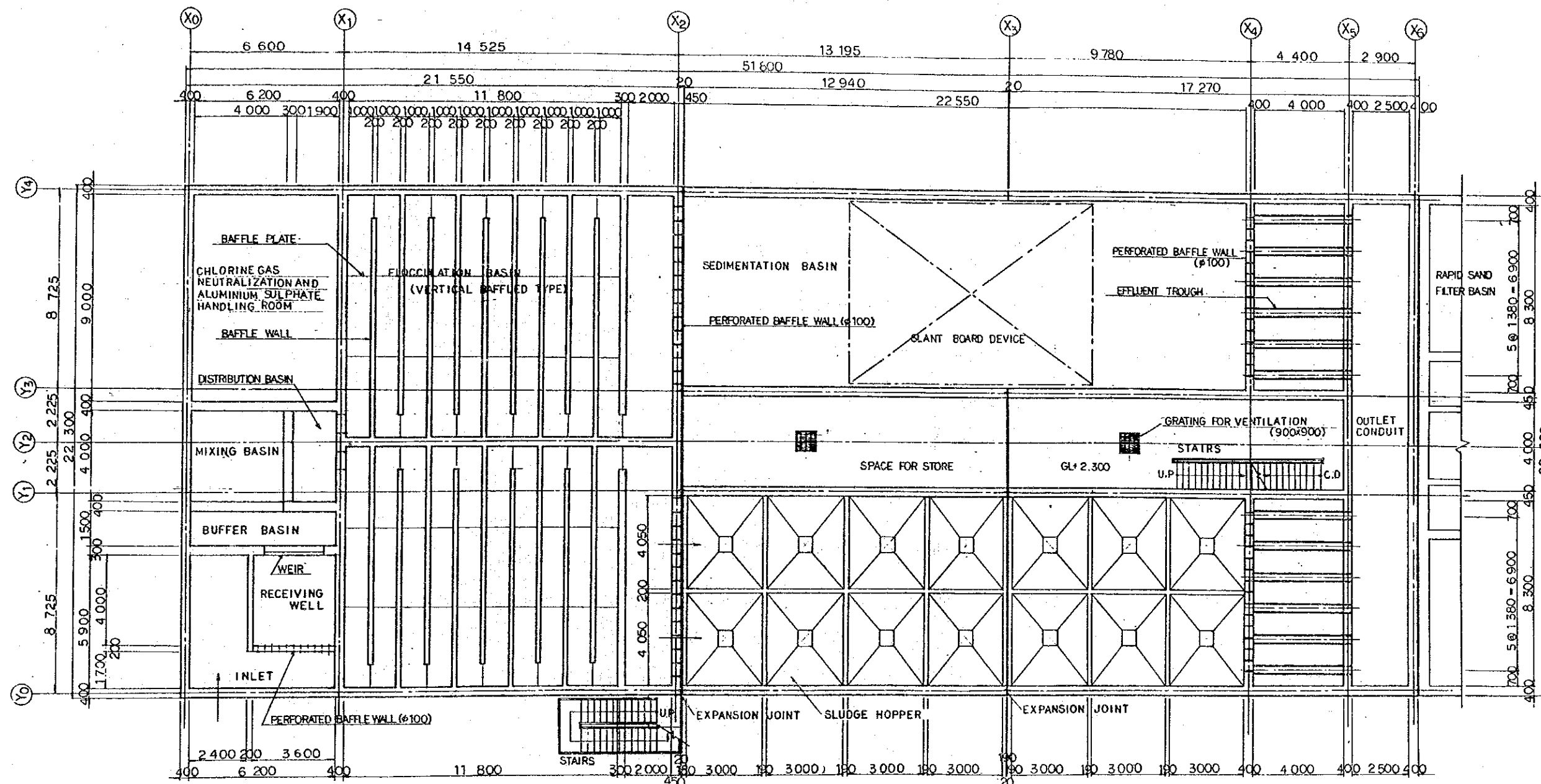
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
SCALE	1:400
DRAWING NO.	EGR-WT-07
JAPAN INTERNATIONAL COOPERATION AGENCY	



FLOOR PLAN 1/5=1:200

NOTE:  
GL+0=AD+21.000

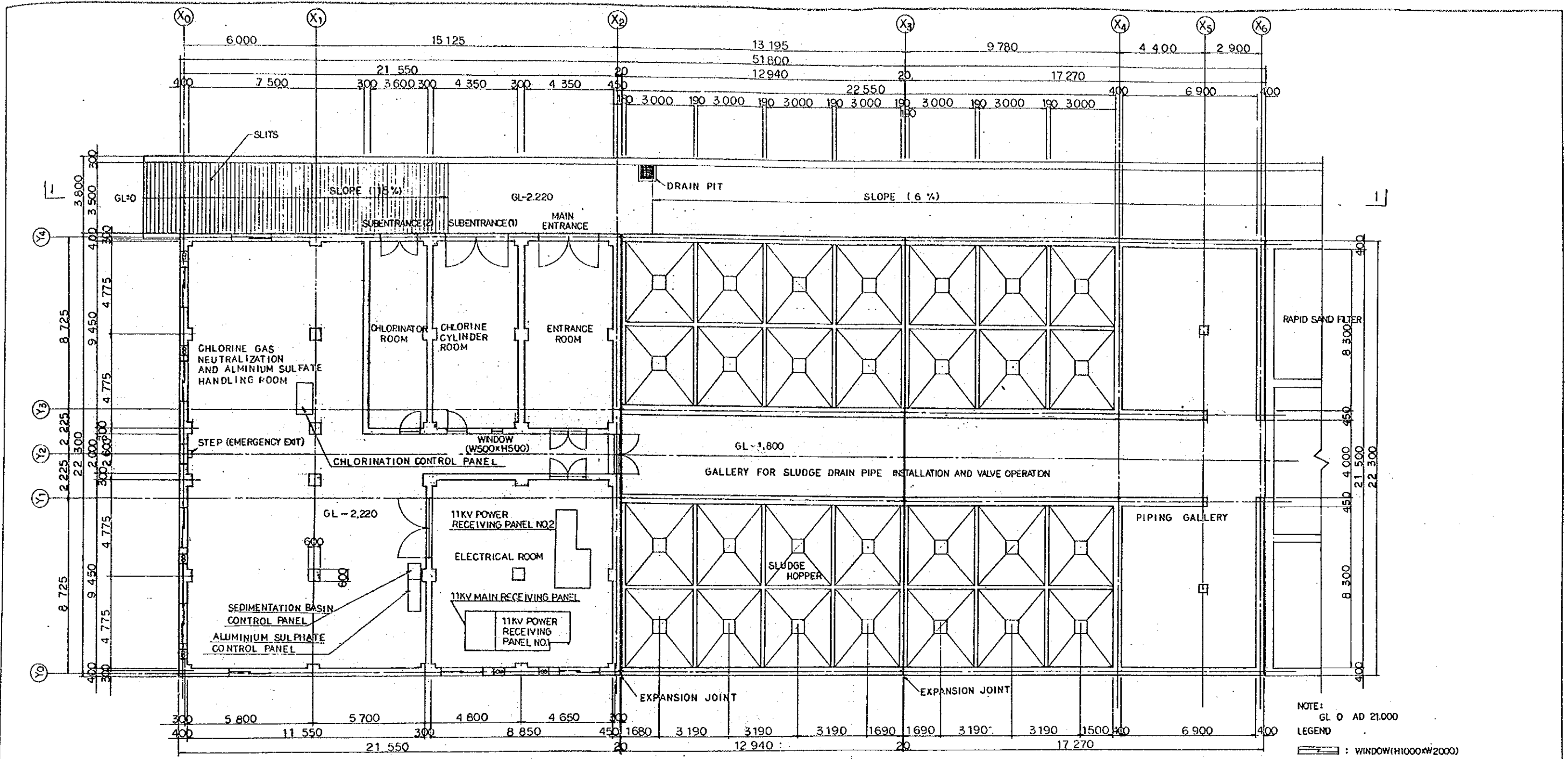
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
沈澱池構造図—平面図 (1/3)	SCALE 1:200
	DRAWING NO. EGM-WT-08
	JAPAN INTERNATIONAL COOPERATION AGENCY



GL+5.800 FLOOR PLAN 1:200

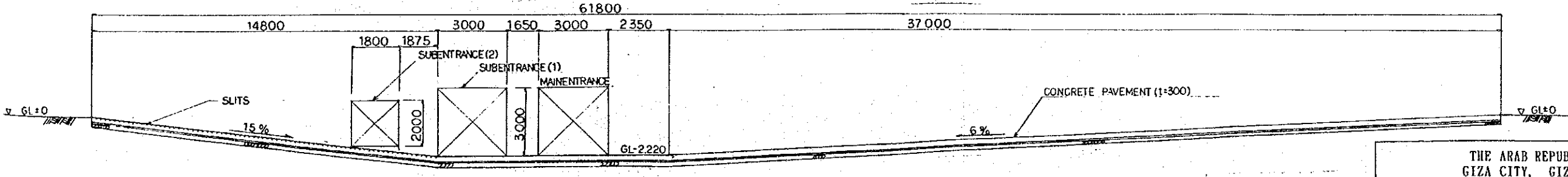
NOTE:  
GL+0=AD+21.000

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
沈澱池構造圖—平面圖 (2/3)	SCALE 1:200
	DRAWING NO. EGM-WT-09
	JAPAN INTERNATIONAL COOPERATION AGENCY



GL-1,800 (GL-2,220) FLOOR PLAN S=1:200

NOTE:  
GL 0 AD 21,000  
LEGEND  
[Symbol] : WINDOW(H1000\*W2000)  
[Symbol] : VENTILATION FAN

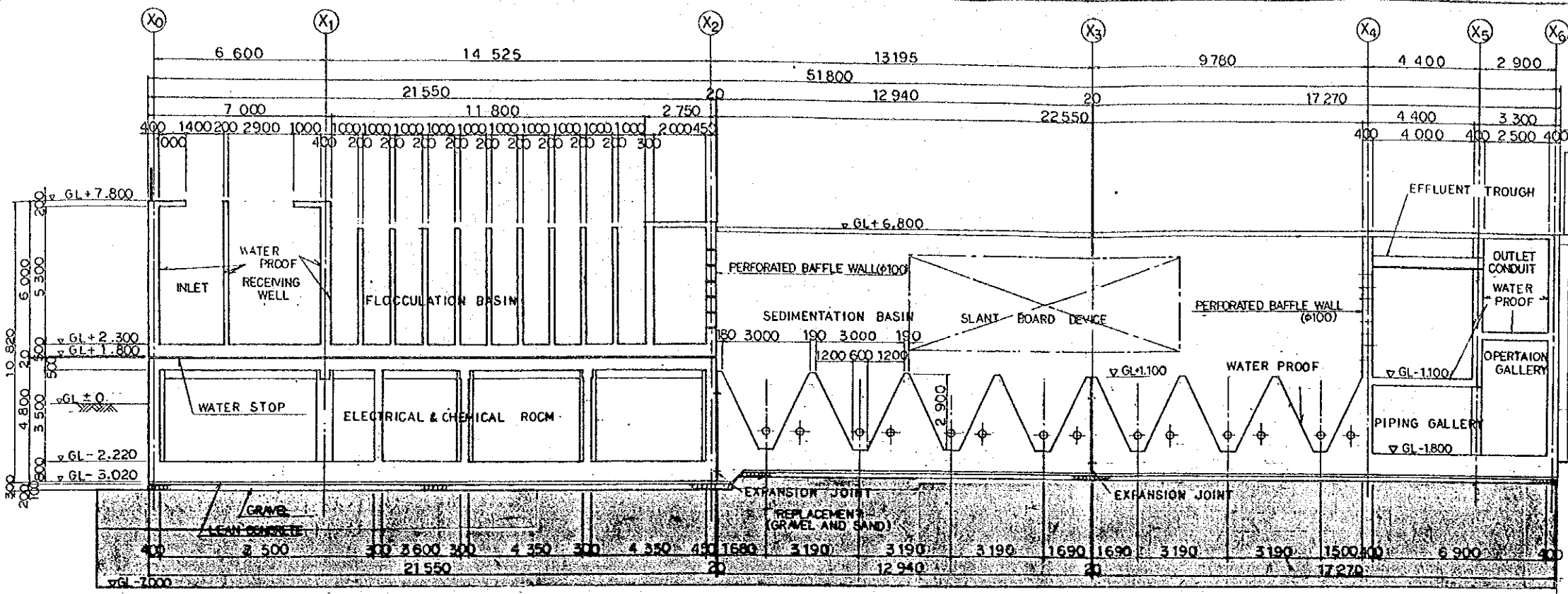


SECTION 1-1 S=1:200

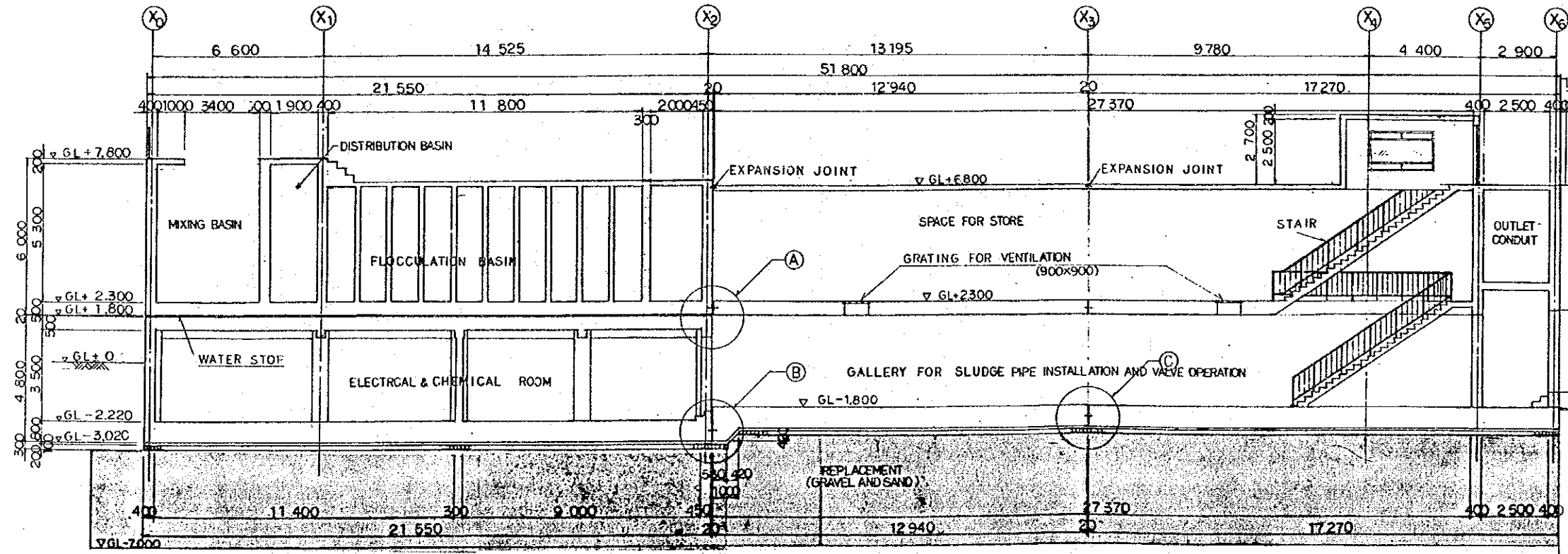
NOTE  
1. GL±0 = AD+21,000

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
沈澱池構造図一平面図 (3/3)	SCALE 1:200
	DRAWING NO. EGM-WT-10
	JAPAN INTERNATIONAL COOPERATION AGENCY



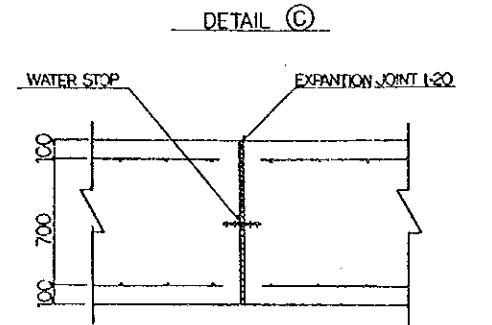
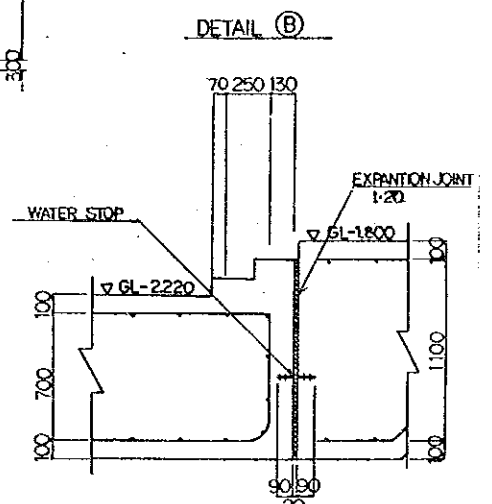
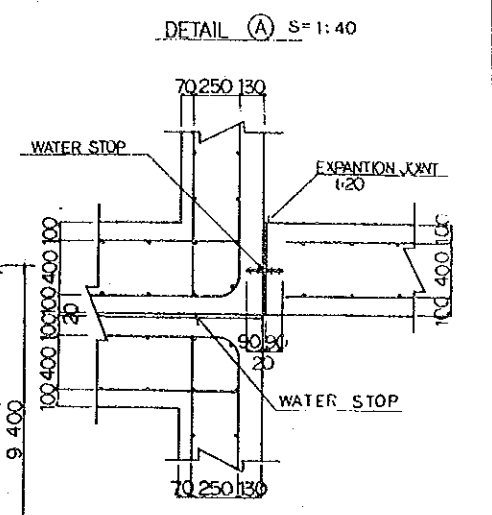


SECTION A-A S=1:200



SECTION B-B S=1:200

- NOTES
1. GL=0=AD+21000
  2. FOR THE LOCATION OF SECTIONS, SEE DRAWING NO. EGM-WT-08.



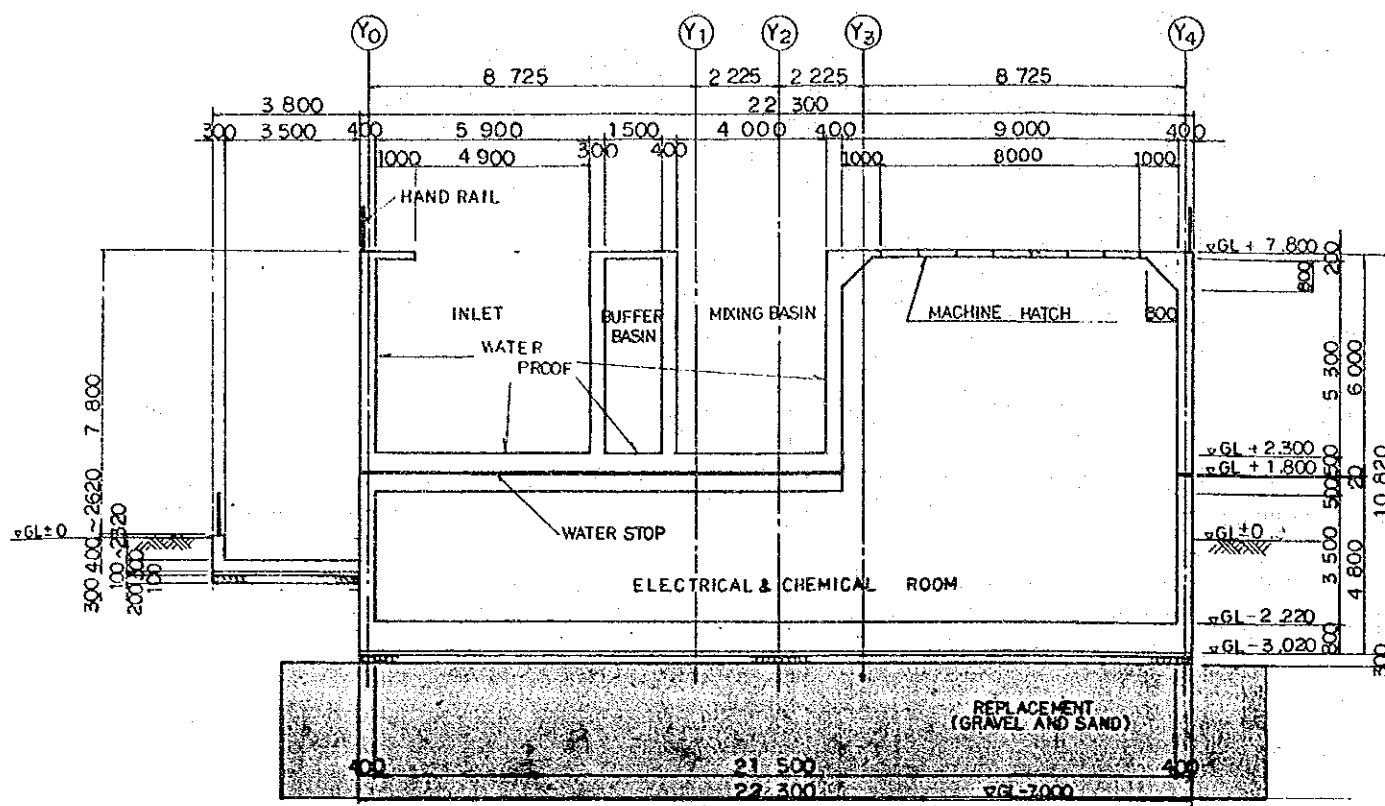
THE ARAB REPUBLIC OF EGYPT  
GIZA CITY, GIZA GOVERNORATE

THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)

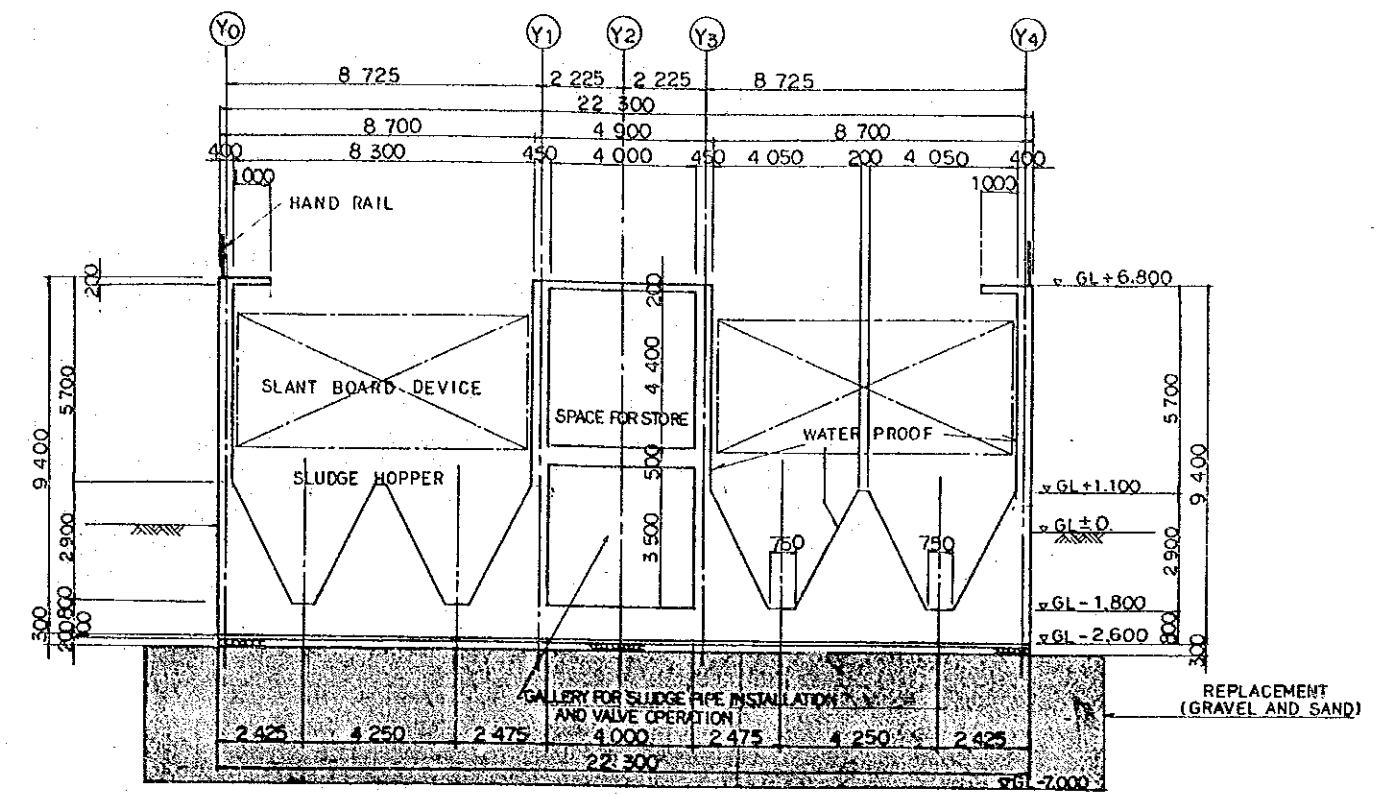
沈澱池構造図一断面図 (1/3)

SCALE:	AS SHOWN
DRAWING NO.	EGM-WT-11

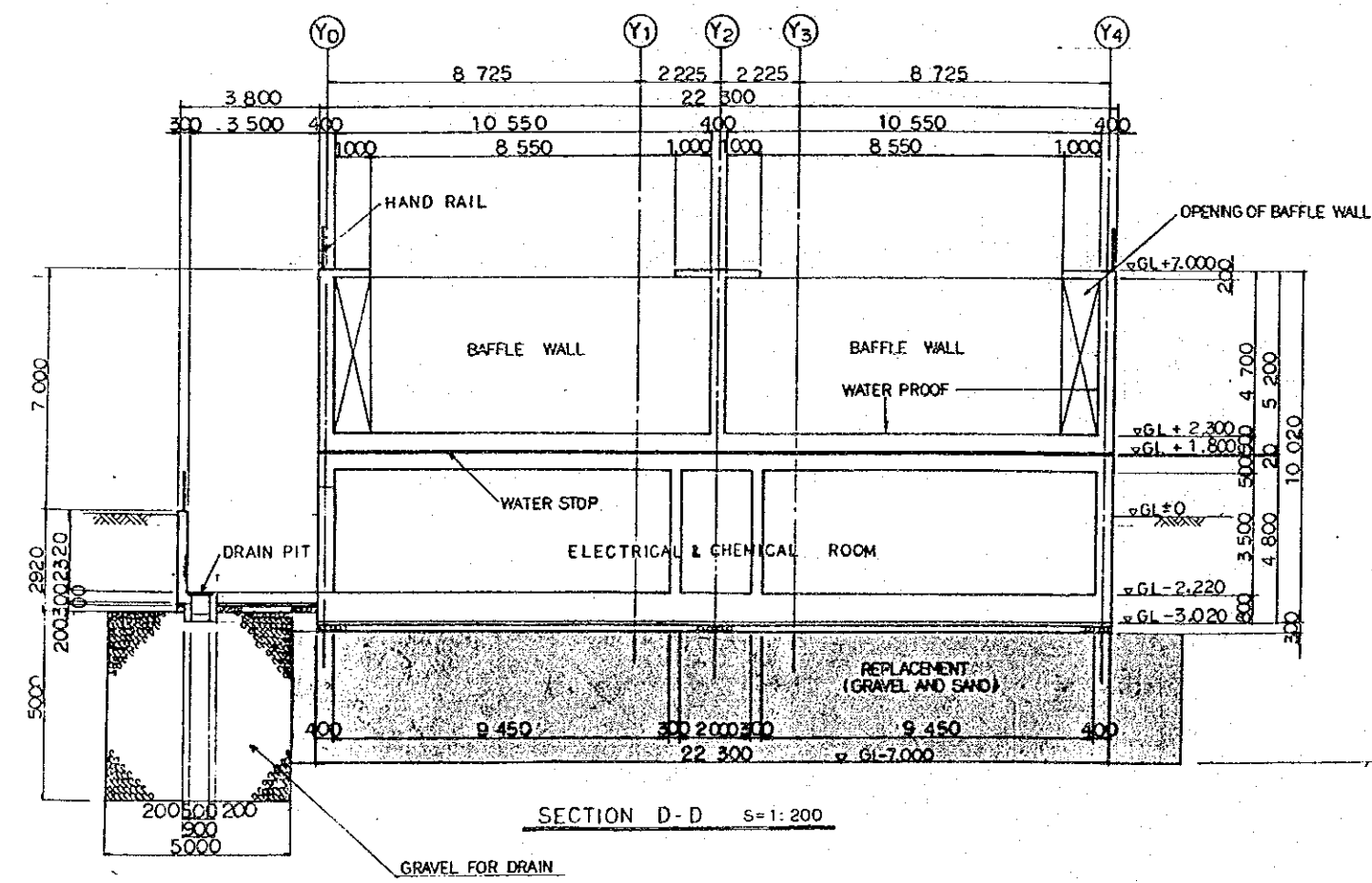
JAPAN INTERNATIONAL COOPERATION AGENCY



SECTION C-C s=1:200



SECTION E-E s=1:200



SECTION D-D s=1:200

- NOTES
1. GL=0+AD+21.000
  2. FOR THE LOCATION OF SECTIONS, SEE DRAWING NO. EGM-WT-08.

SOIL PROFILE

DEPTH	LEGEND	DESCRIPTION	N-VALUE
0.00 - 5.50	[Hatched pattern]	SILTY CLAY	10, 30, 20, 40
5.50 - 6.50	[Dotted pattern]	FINE SAND WITH CLAY	8, 27
6.50 - 12.00	[Dotted pattern]	SAND	30, 28, 36, 45

THE ARAB REPUBLIC OF EGYPT  
GIZA CITY, GIZA GOVERNORATE

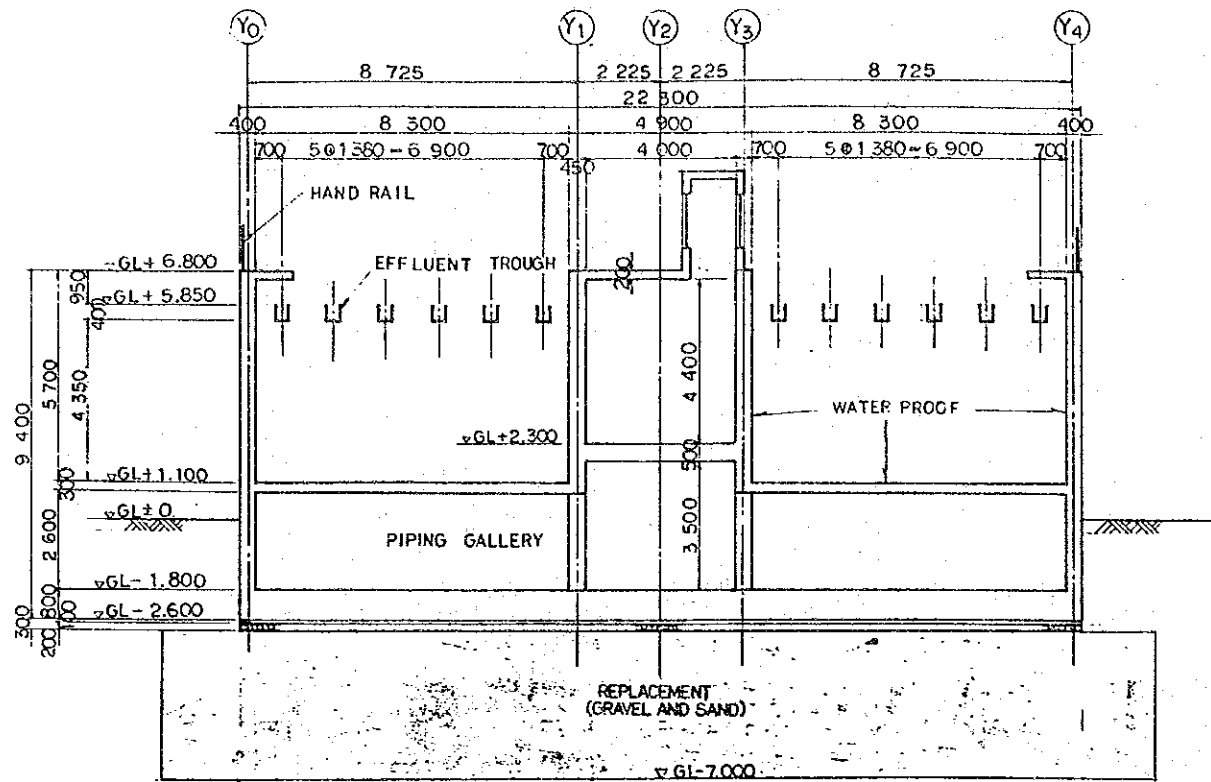
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)

沈澱池構造図一断面図 (2/3)

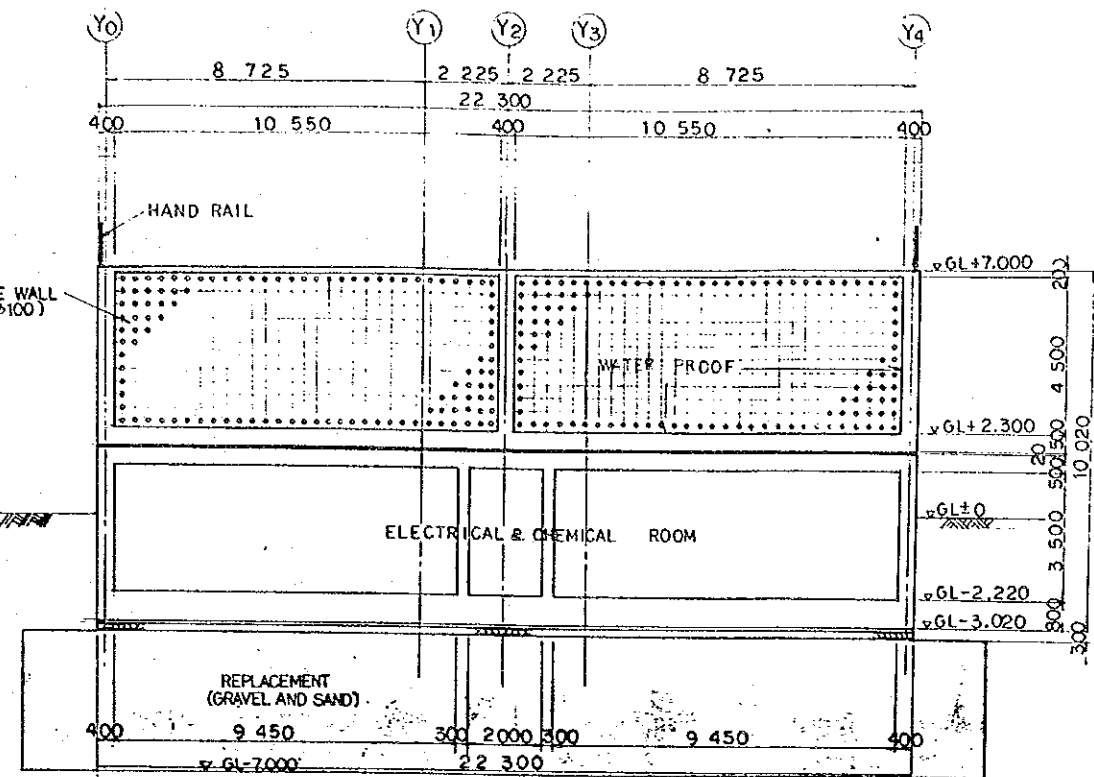
SCALE  
1:200

DRAWING NO.  
EGM-WT-1'2

JAPAN INTERNATIONAL COOPERATION AGENCY

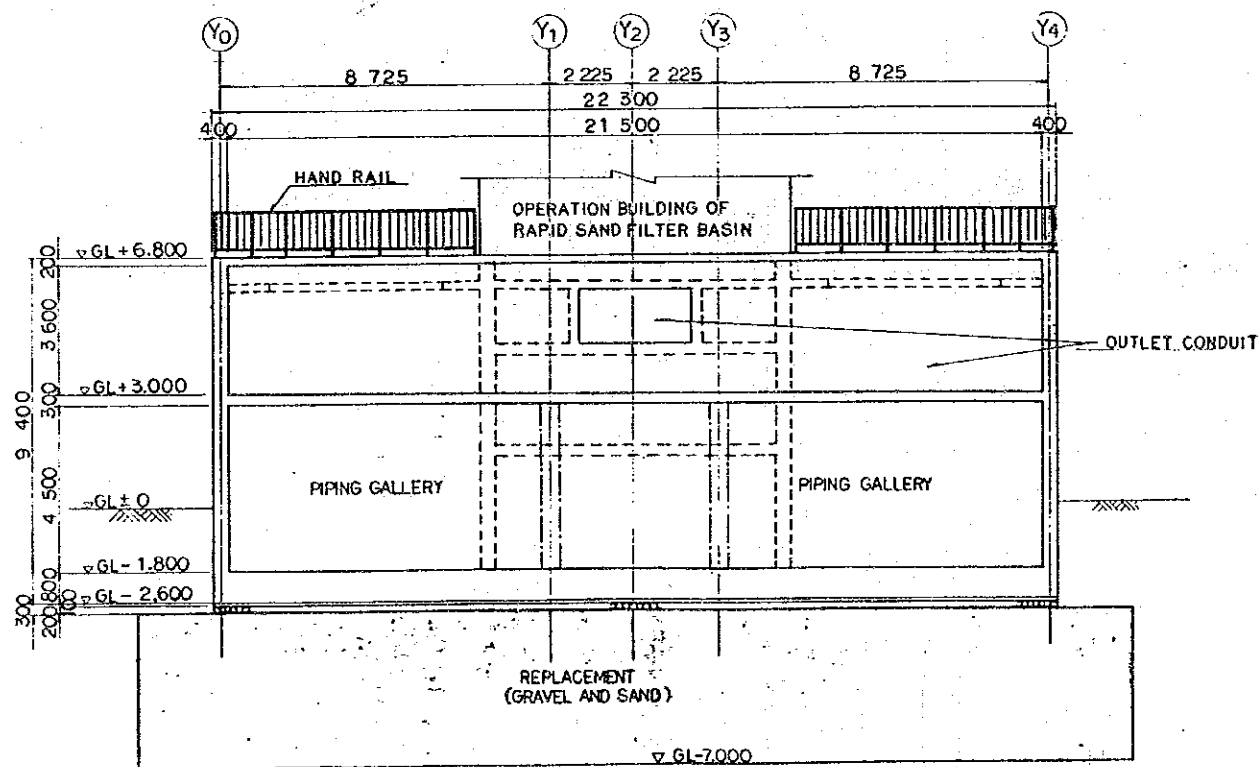


SECTION F-F S=1:200



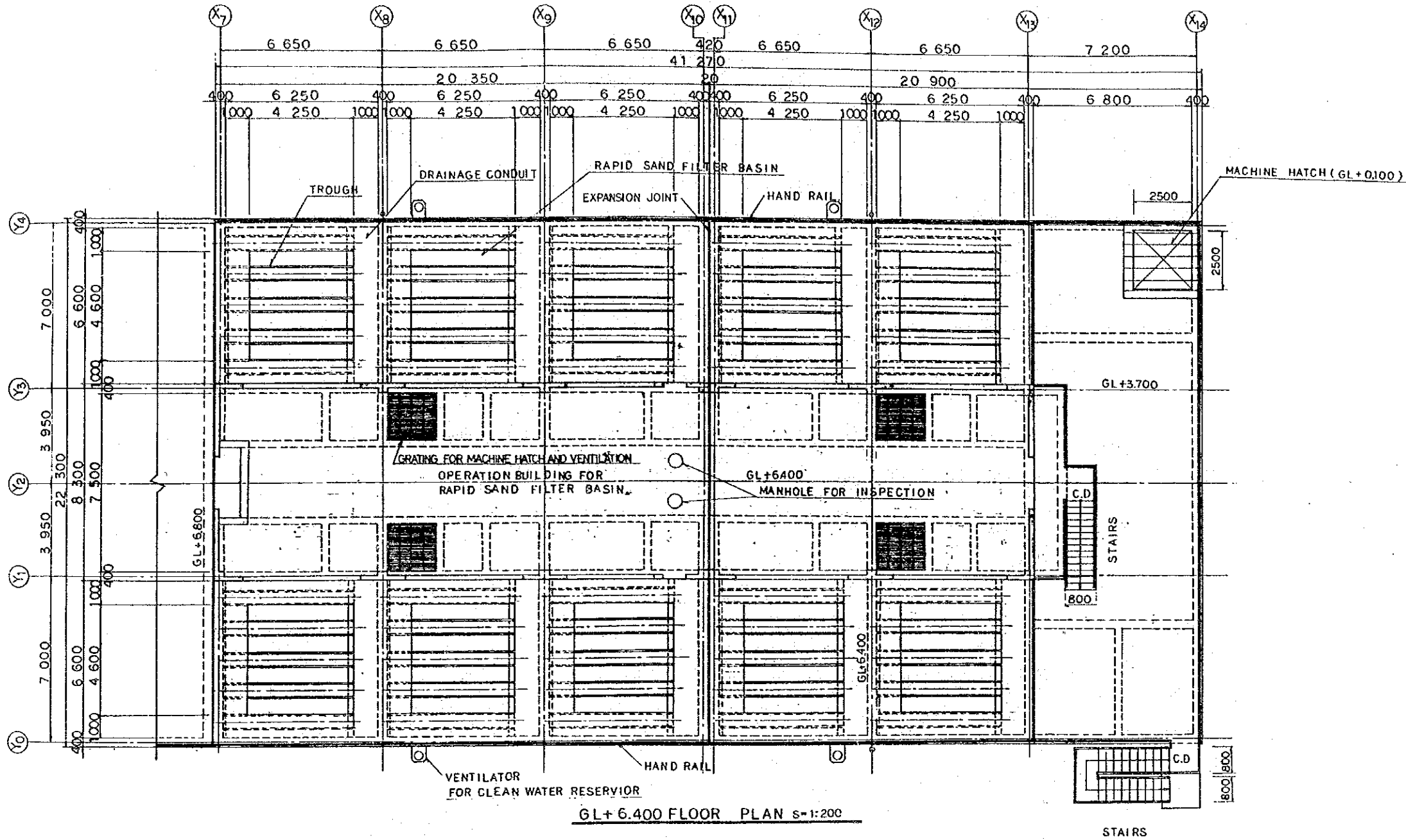
SECTION H-H S=1:200

- NOTES
1. GL=0=AD+21 000
  2. FOR THE LOCATION OF SECTIONS, SEE DRAWING NO. EGM-WT-08.

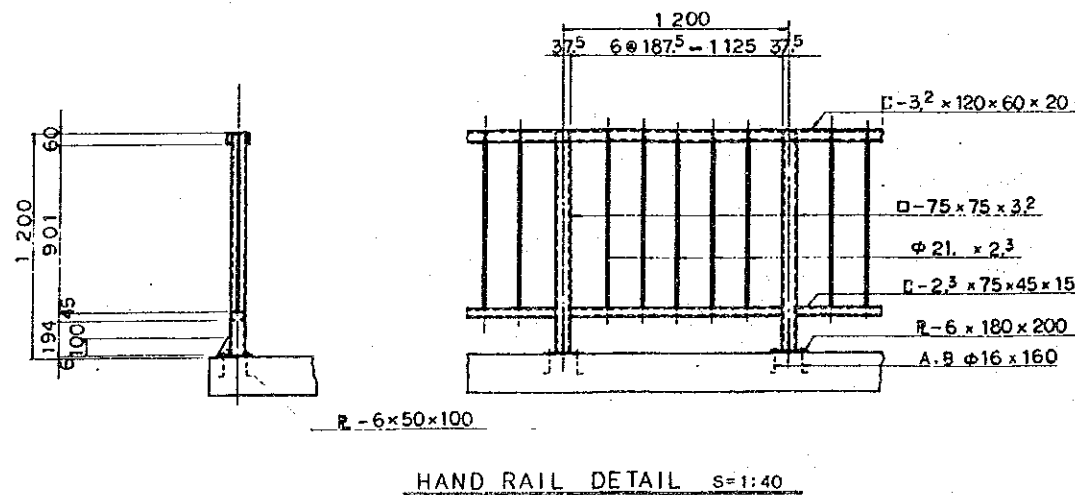


SECTION G-G S=1:200

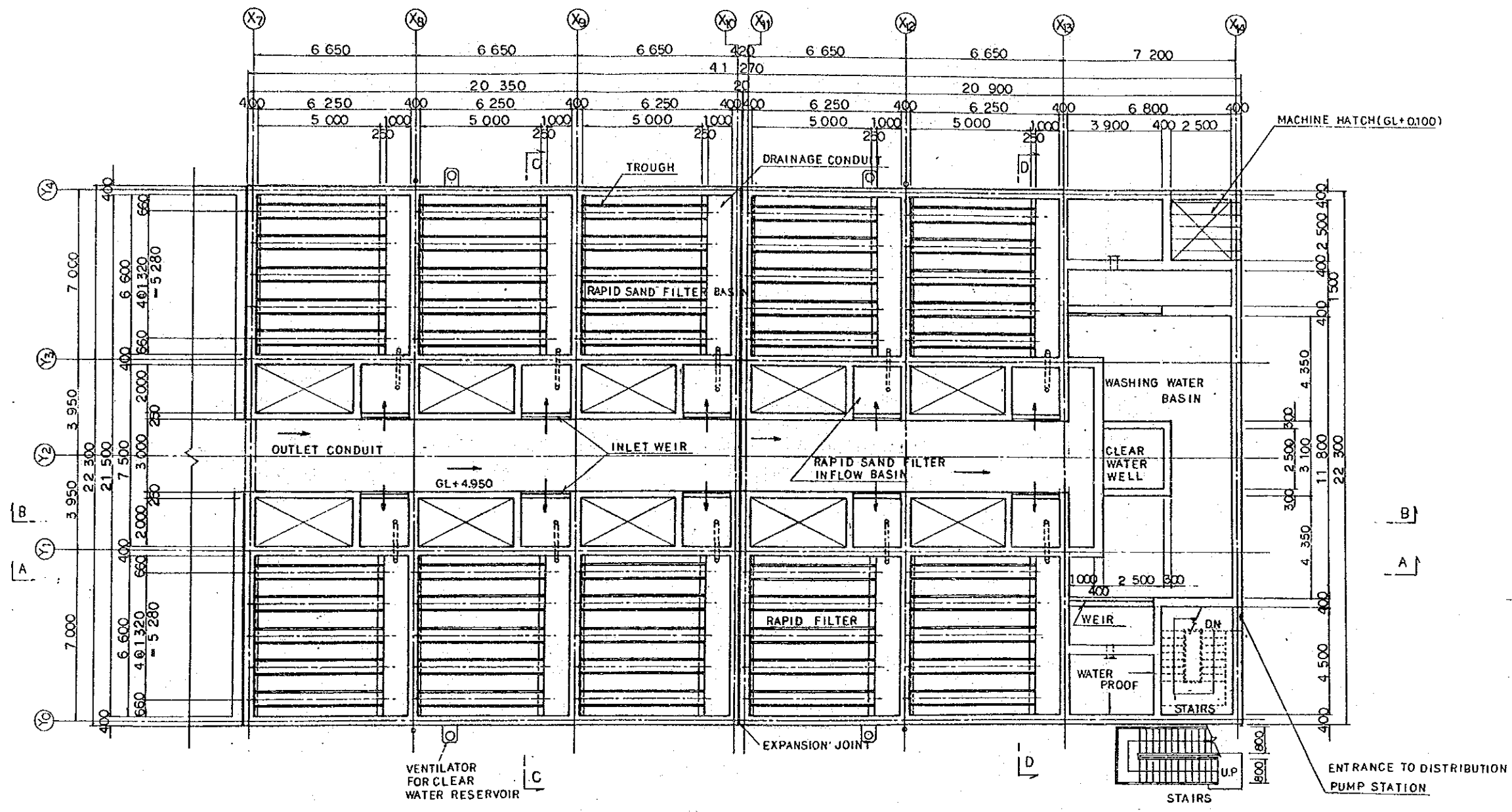
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
沈澱池構造図一断面図 (3/3)	SCALE 1:200
	DRAWING NO. EGM-WT-13.
	JAPAN INTERNATIONAL COOPERATION AGENCY



NOTE:  
GL ± 0 = AD + 21,000



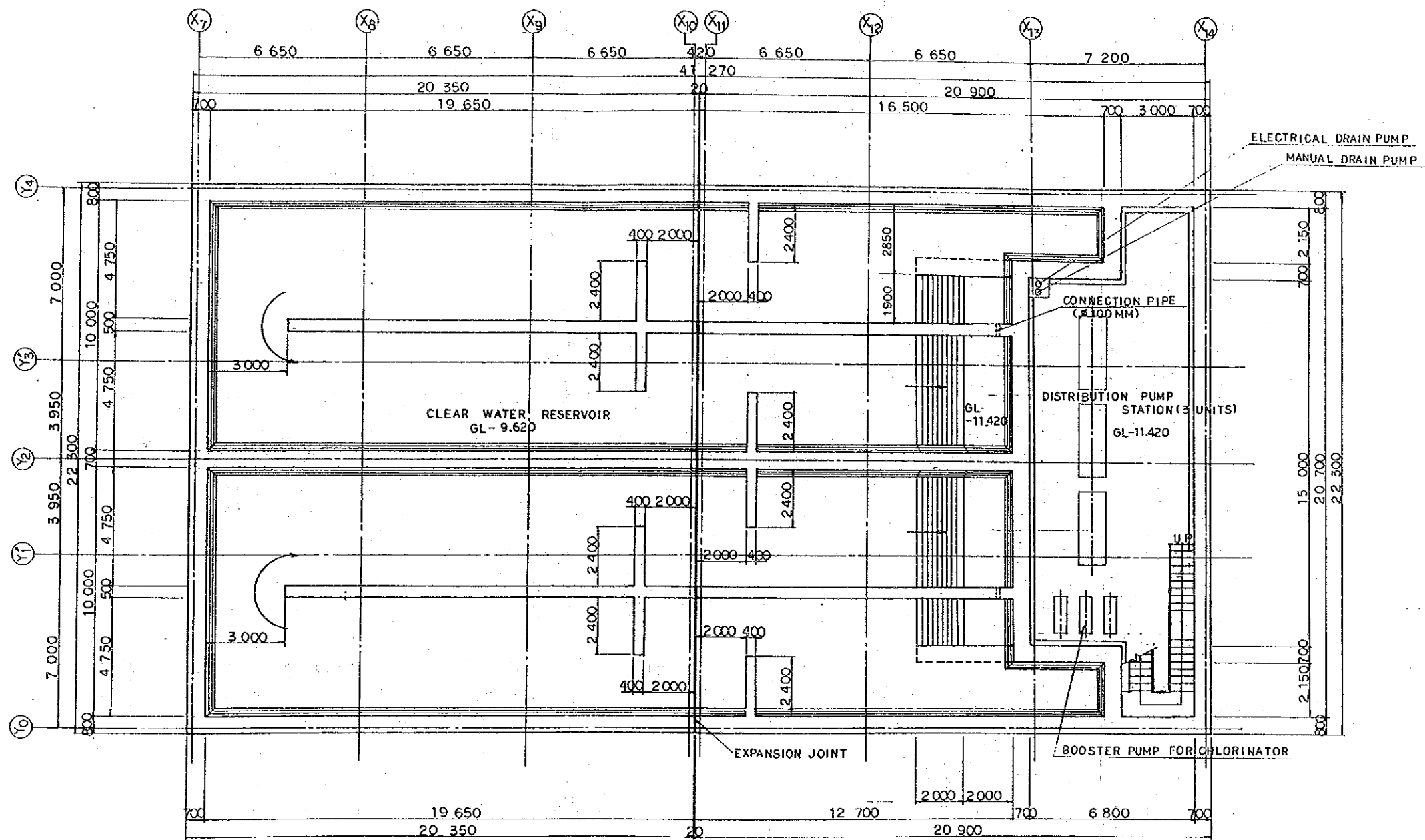
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
SCALE	AS SHOWN
ろ過池・浄水池構造図一平面図 (1/3)	DRAWING NO. EGM-WT-14
JAPAN INTERNATIONAL COOPERATION AGENCY	



NOTES:  
 1. GL ± 0 = AD + 21.000  
 2. → SHOWS WATER FLOW DIRECTION

GL+3.400 FLOOR PLAN s=1:200

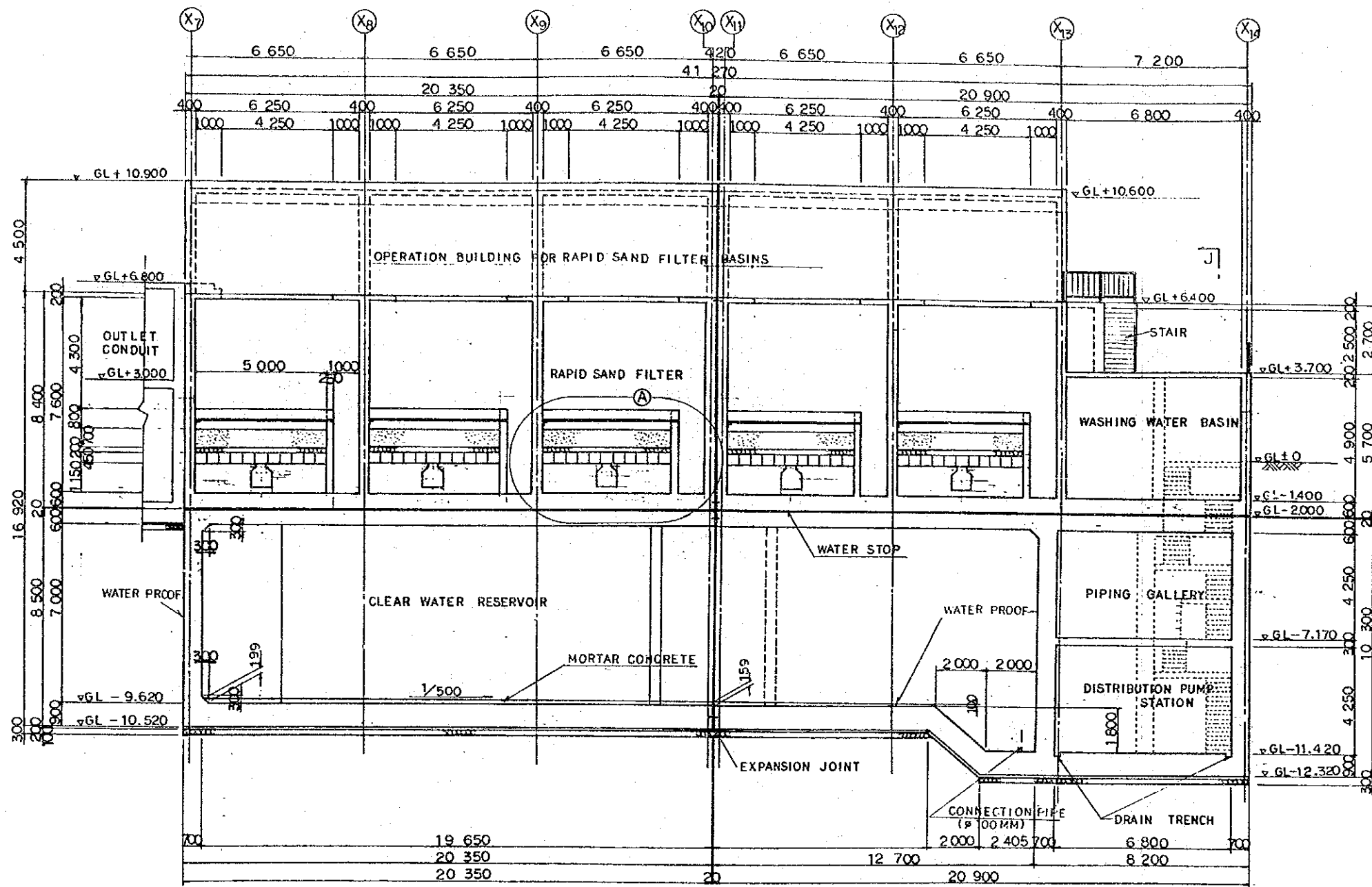
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ろ過池・浄水池構造図一平面図 (2/3)	SCALE 1:200
	DRAWING NO. EGN-WT-15
	JAPAN INTERNATIONAL COOPERATION AGENCY



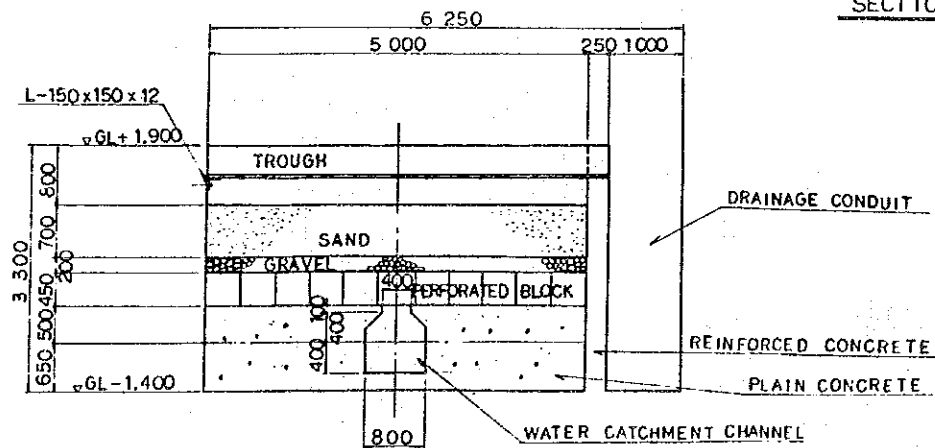
NOTES:  
 1. GL ± 0 = AD + 21.000  
 2. → SHOWS WATER FLOW DIRECTION

GL-11.420 (GL-9.620) FLOOR PLAN S=1:200

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ろ過池・浄水池構造図一平面図 (3/3)	SCALE 1:200
	DRAWING NO. EGM-WT-16
	JAPAN INTERNATIONAL COOPERATION AGENCY

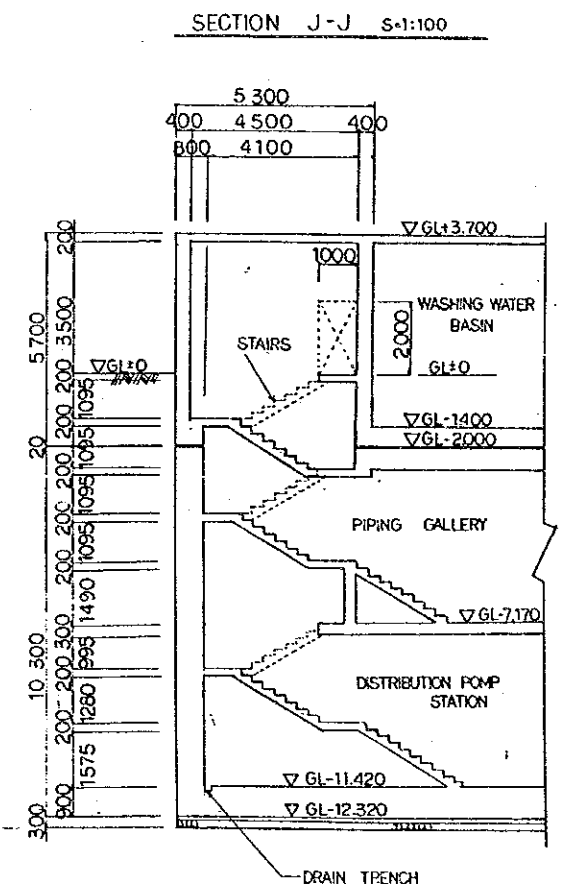


SECTION A-A s=1:200

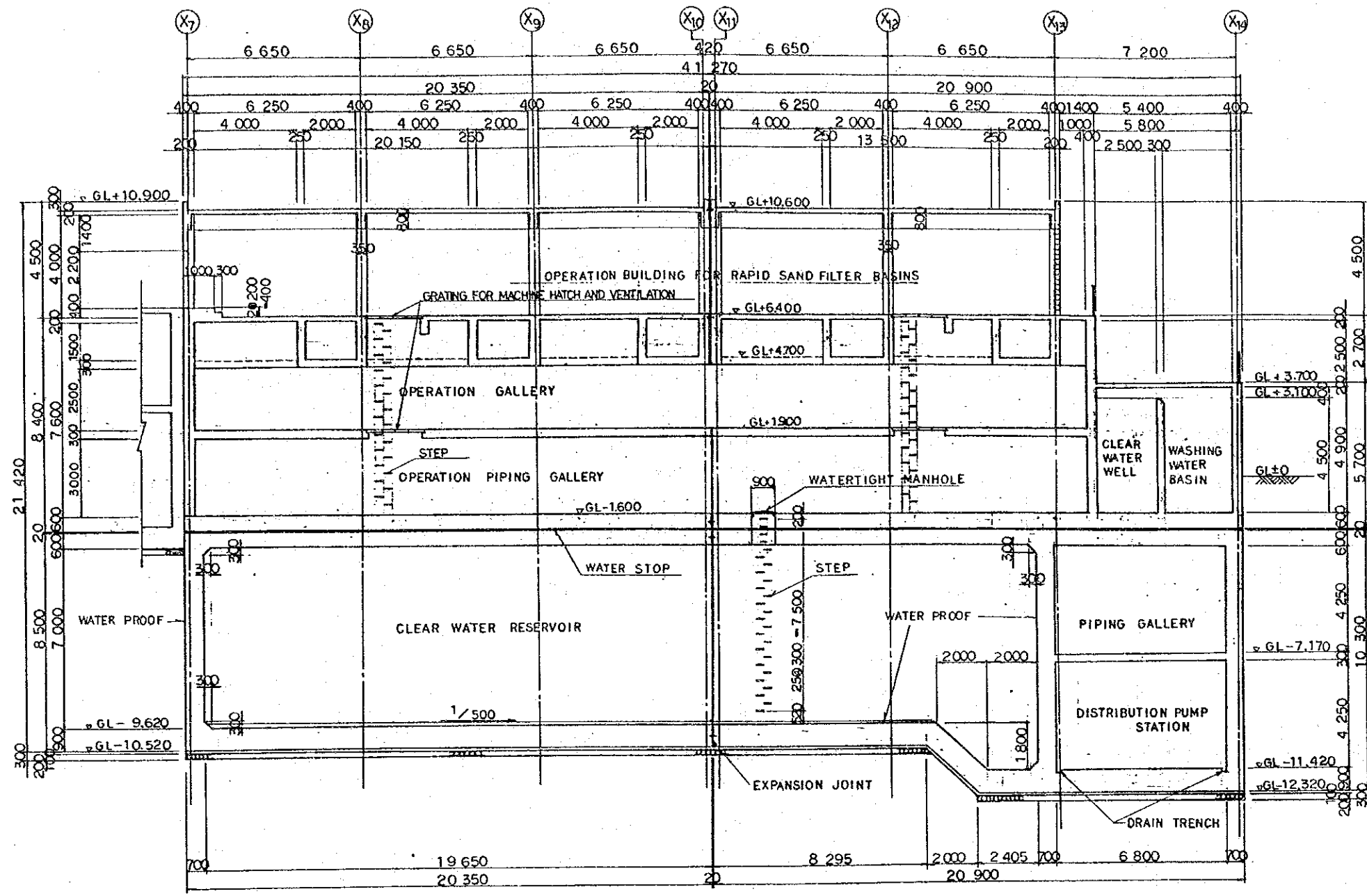


DETAIL (A) s=1:100

- NOTES
1. GL±0 = AD+21.000
  2. FOR THE LOCATION OF SECTIONS, SEE DRAWING NO. EGM-WT-15.



THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ろ過池・浄水池構造図一断面図 (1/3)	SCALE AS SHOWN
	DRAWING NO. EGM-WT-17
	JAPAN INTERNATIONAL COOPERATION AGENCY

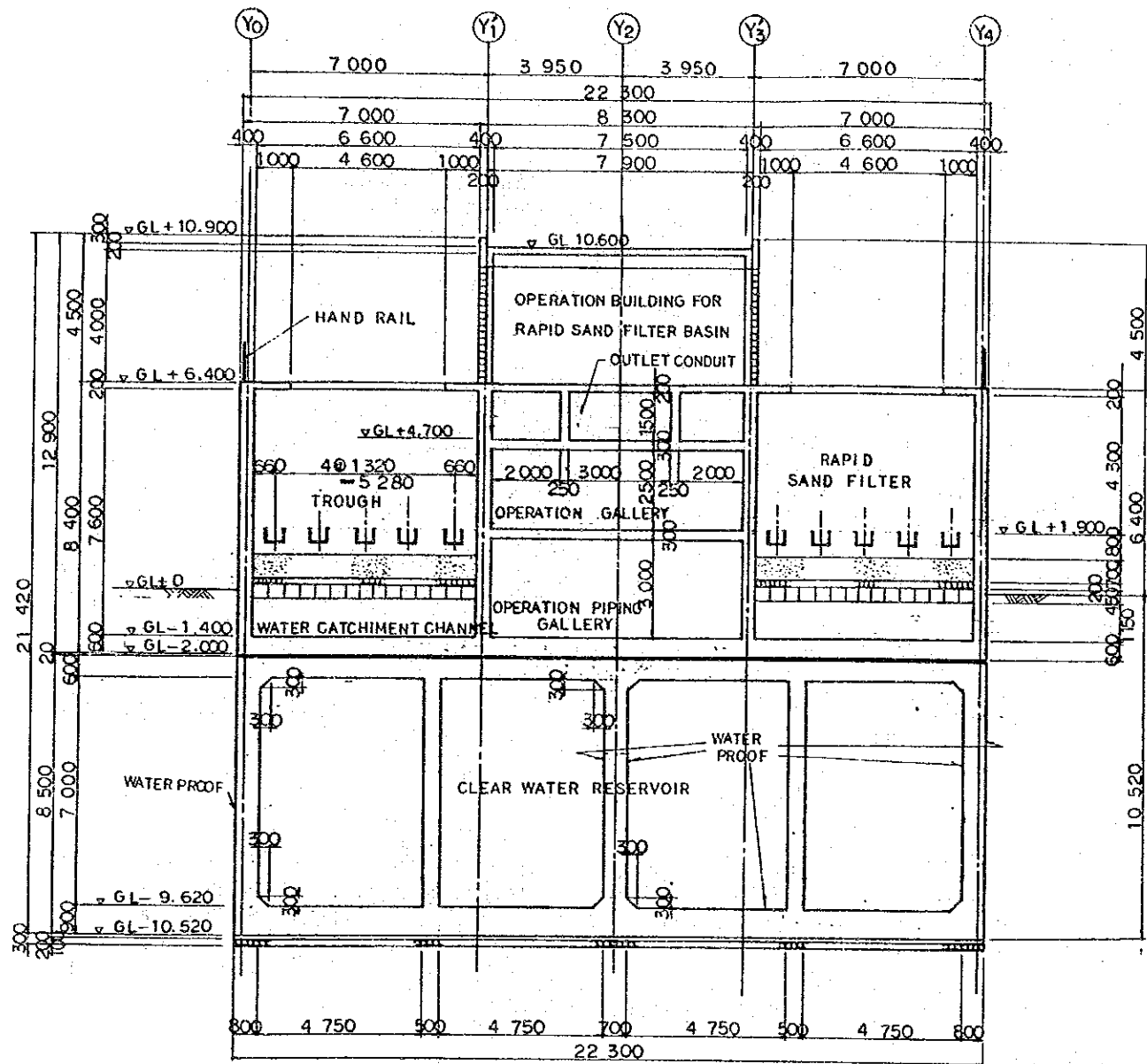


SECTION B-B s=1:200

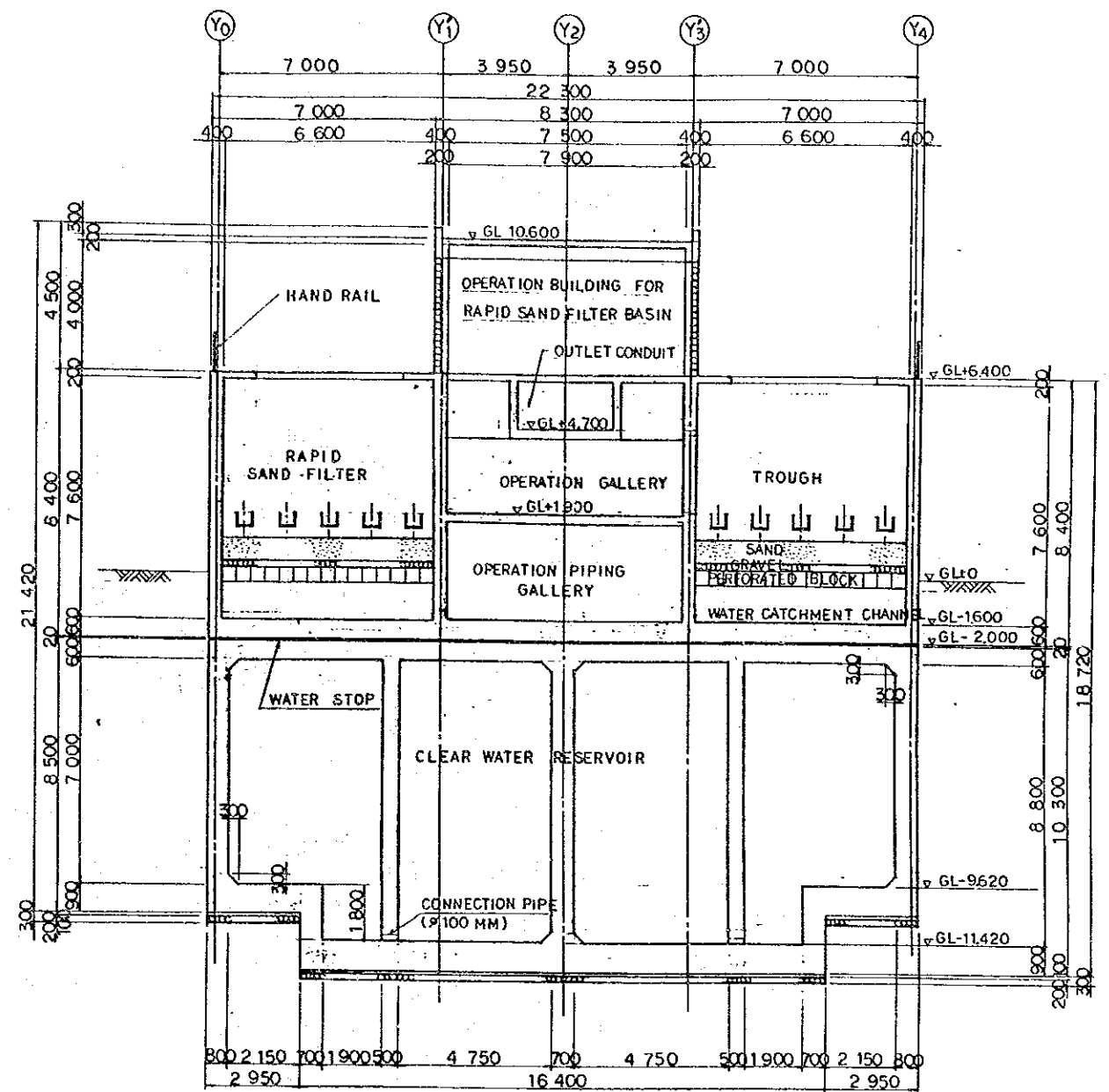
- NOTES
1. GL±0 = AD+21.000
  2. FOR THE LOCATION OF SECTIONS, SEE DRAWING NO. EGM-WT-15.

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ろ過池・浄水池構造図—断面図 (2/3)	SCALE 1:200
	DRAWING NO. EGM-WT-18
	JAPAN INTERNATIONAL COOPERATION AGENCY





SECTION C-C S=1:200



SECTION D-D S=1:200

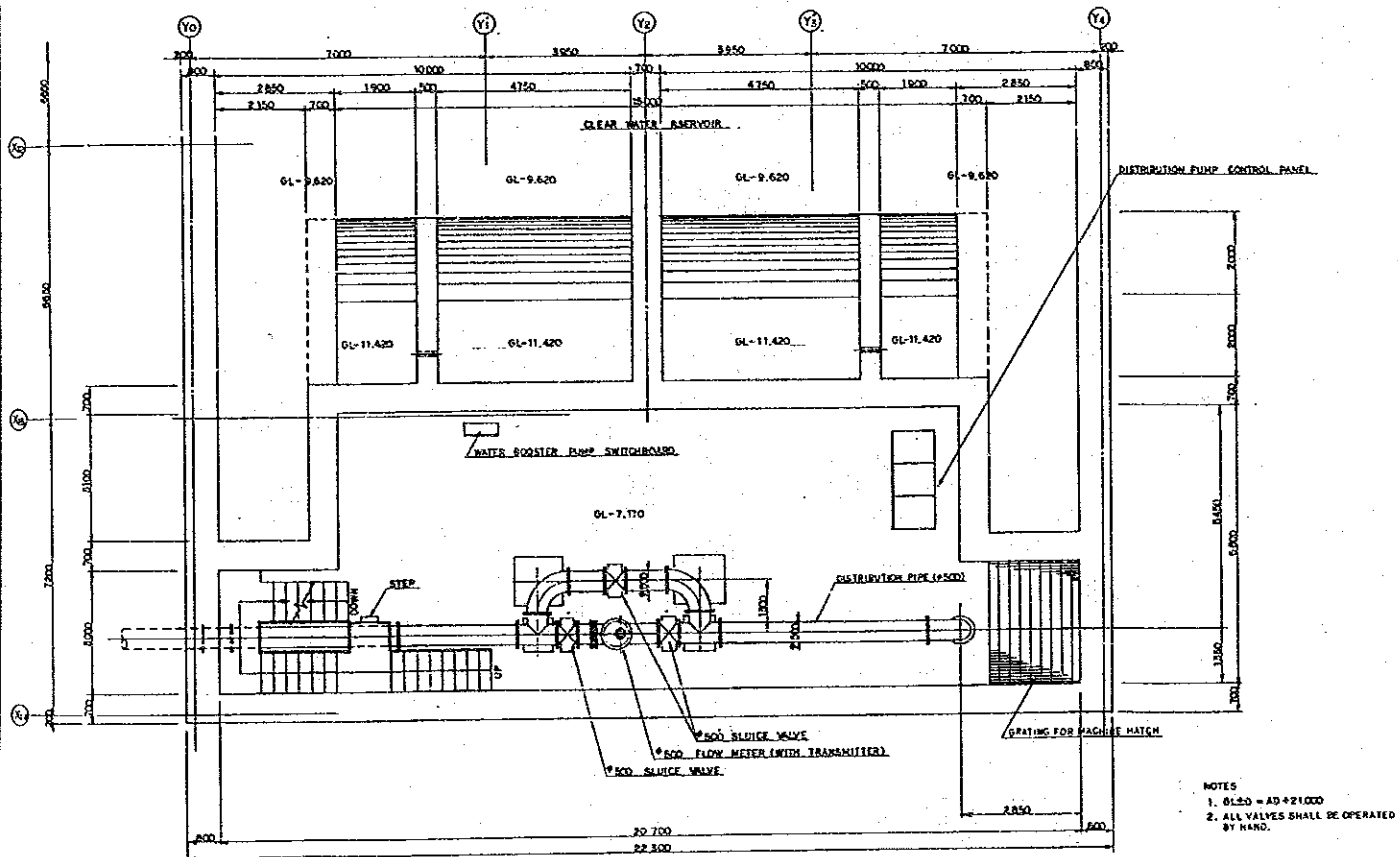
NOTES

1. GL+0 = AD + 21.000
2. FOR THE LOCATION OF SECTIONS, SEE DRAWING NO. EGM-WT-15.

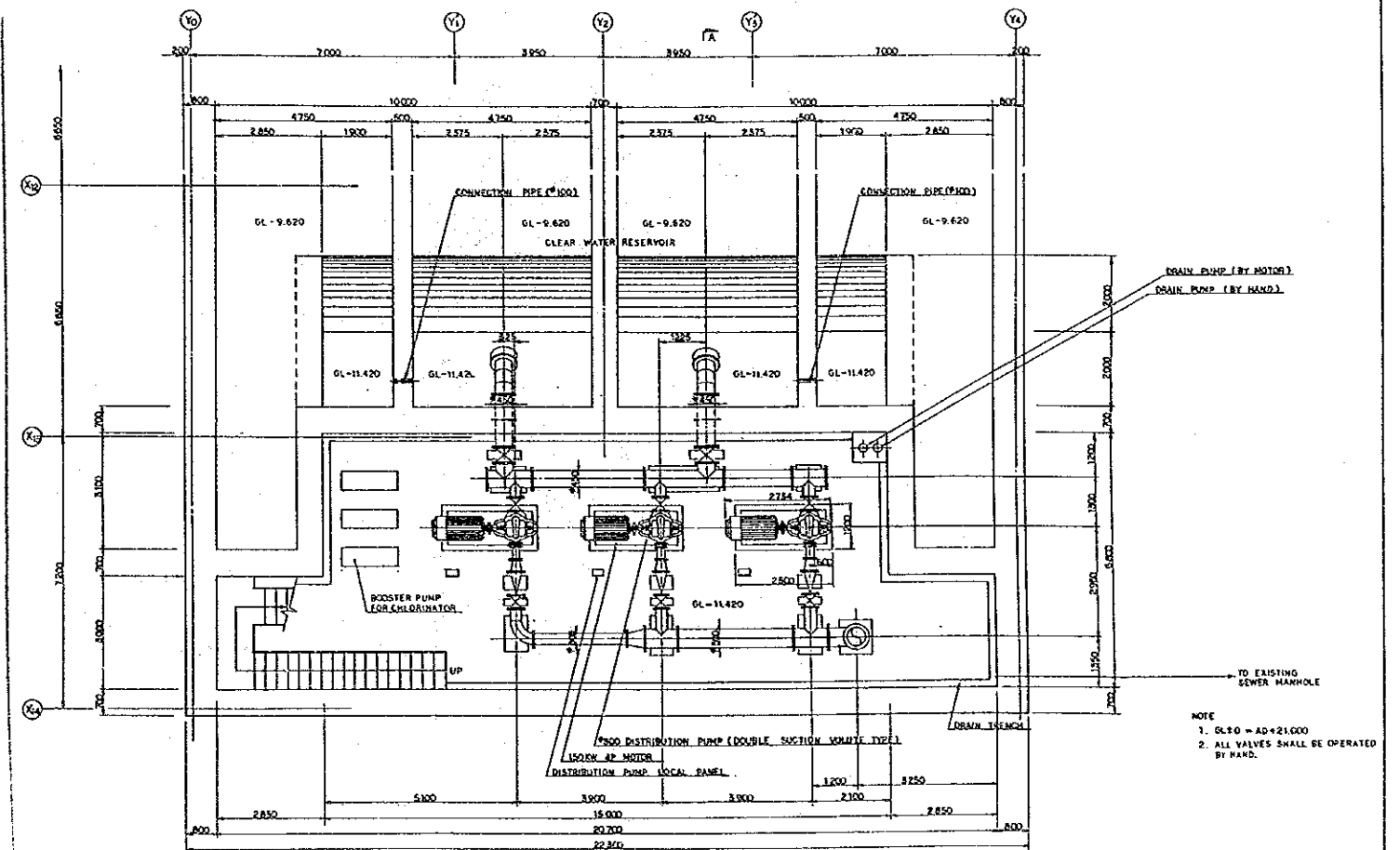
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ろ過池・浄水池構造図一断面図 (3/3)	SCALE 1:200
	DRAWING NO. EGM-WT-19
	JAPAN INTERNATIONAL COOPERATION AGENCY

# DISTRIBUTION PUMP STATION

## DISTRIBUTION PUMP 500 FLOW METER ROOM PLAN



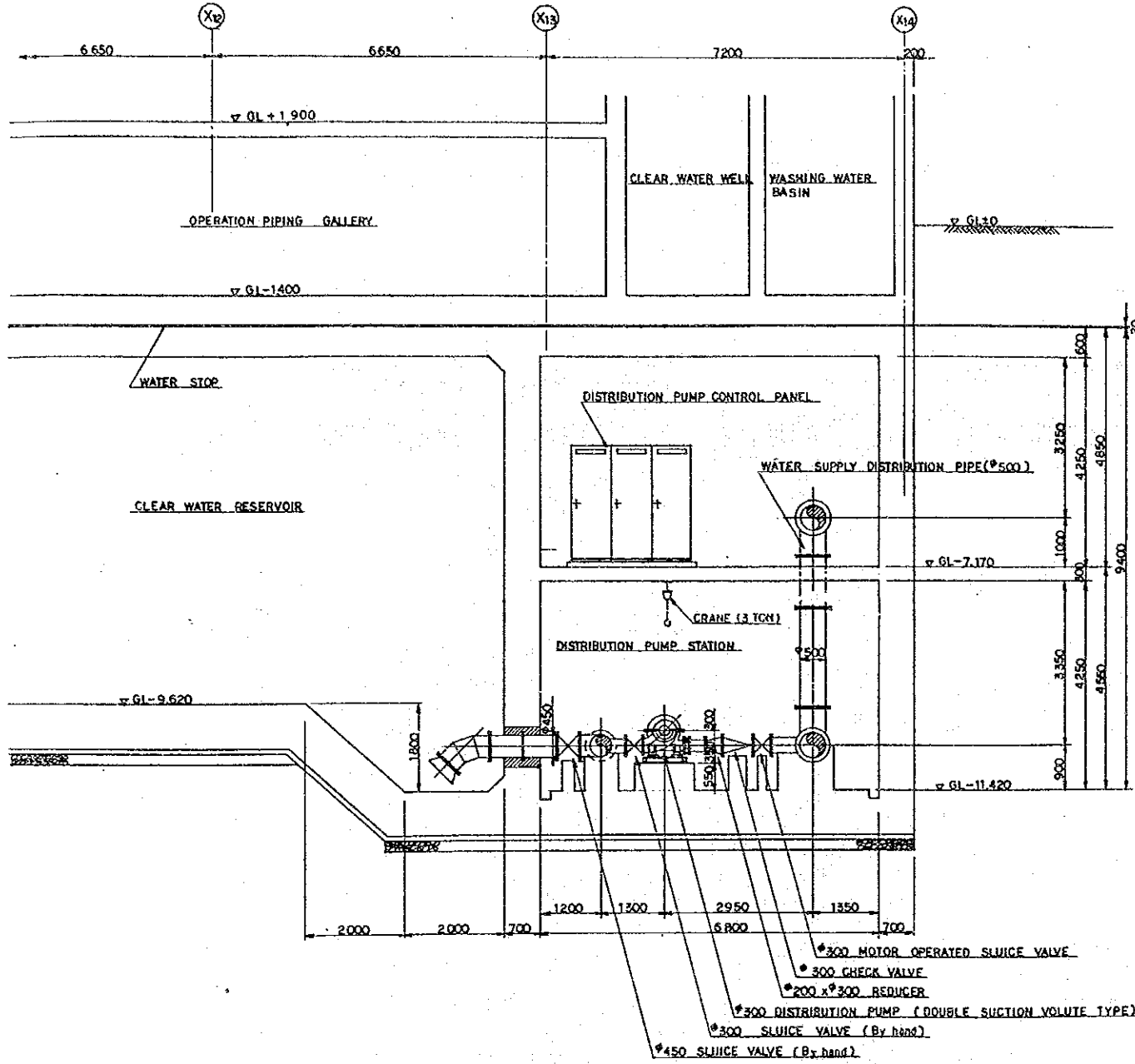
## DISTRIBUTION PUMP ROOM PLAN



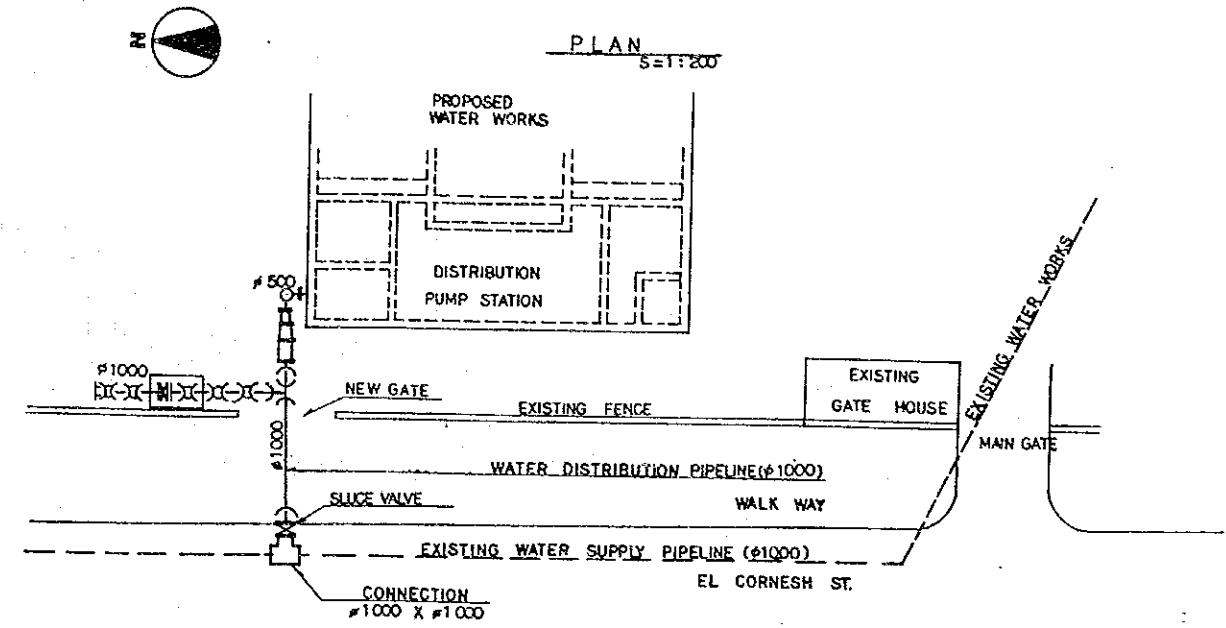
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
送水ポンプ設備—平面図	SCALE
	NONE
	DRAWING NO.
EGM-WT-20	
JAPAN INTERNATIONAL COOPERATION AGENCY	

# DISTRIBUTION PUMP STATION

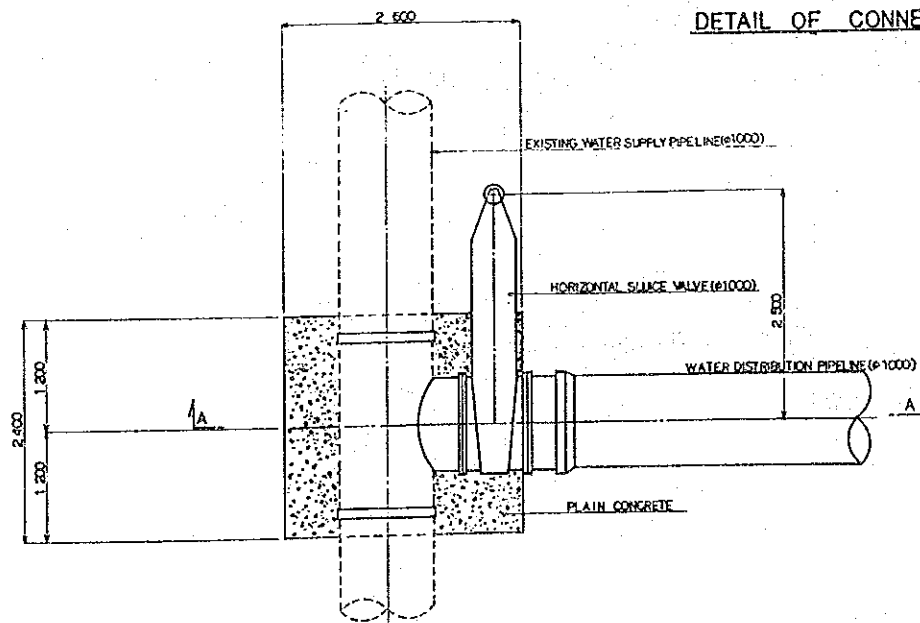
## SECTION A-A



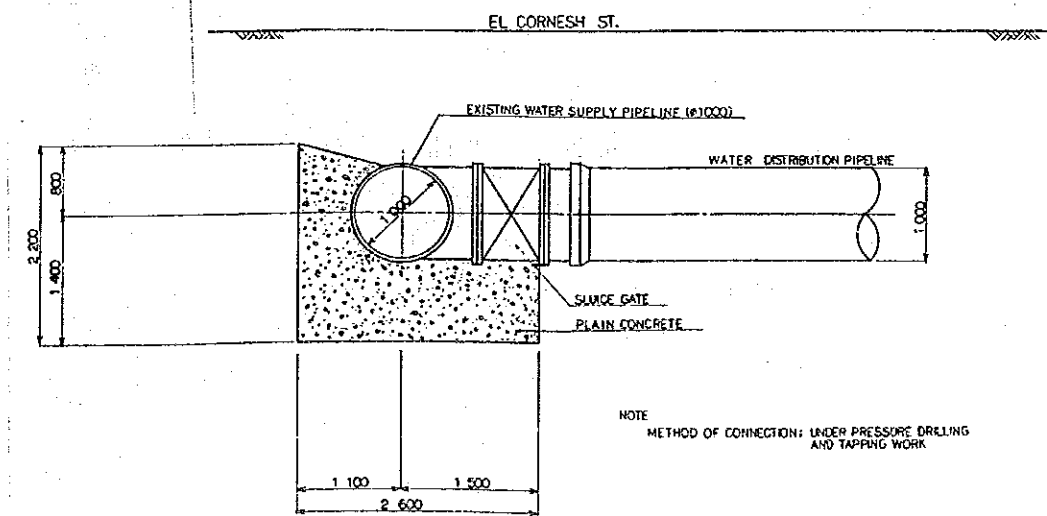
## CONNECTION TO EXISTING PIPE LINE



## DETAIL OF CONNECTION

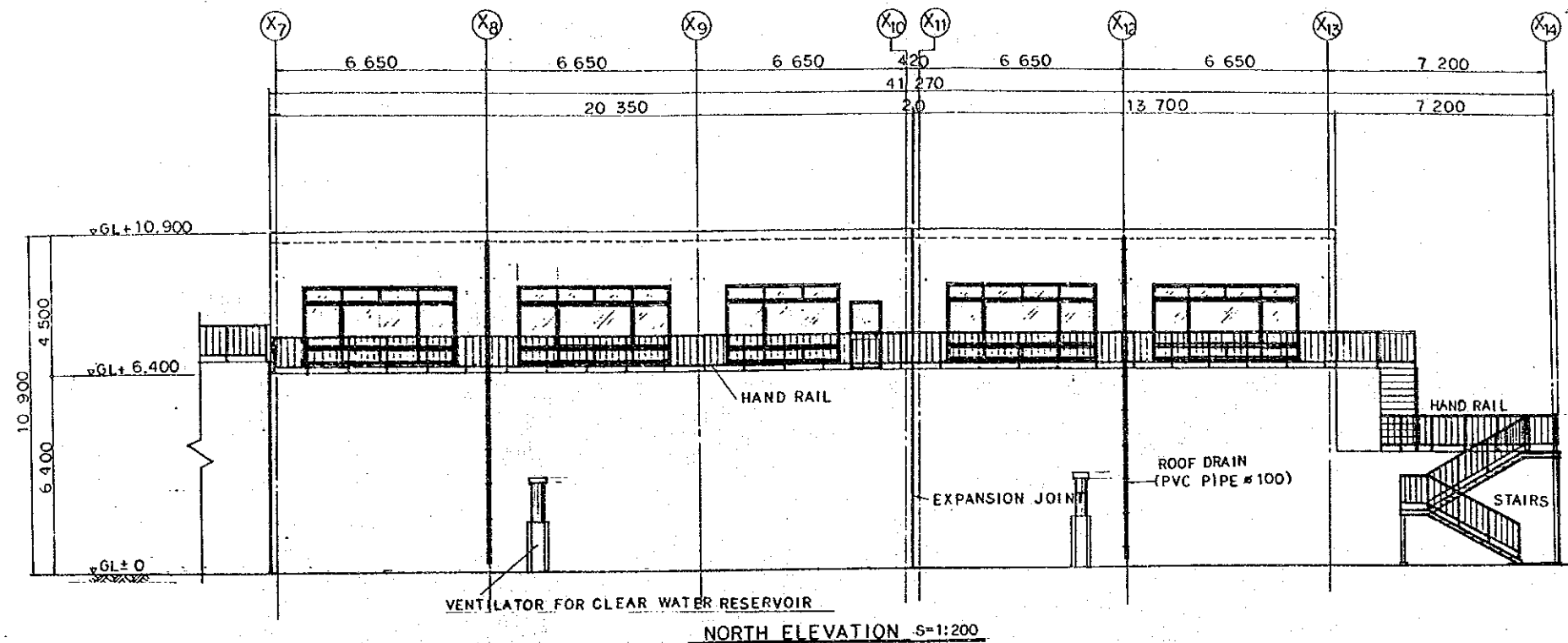


## SECTION B-B

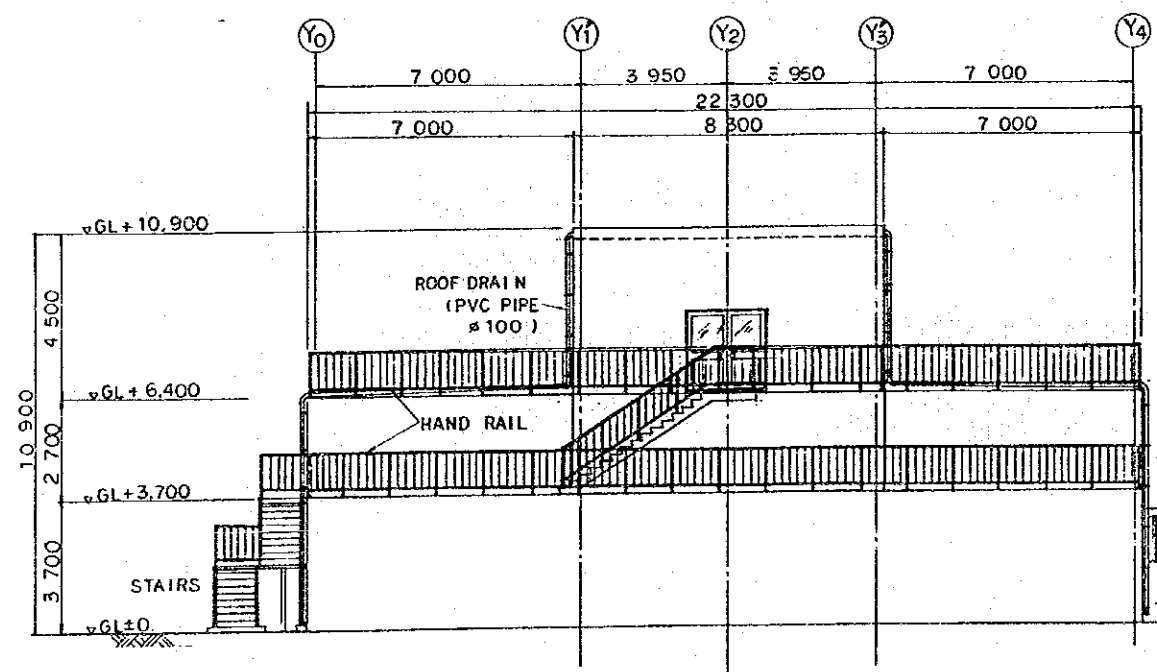


NOTE: METHOD OF CONNECTION: UNDER PRESSURE DRILLING AND TAPPING WORK

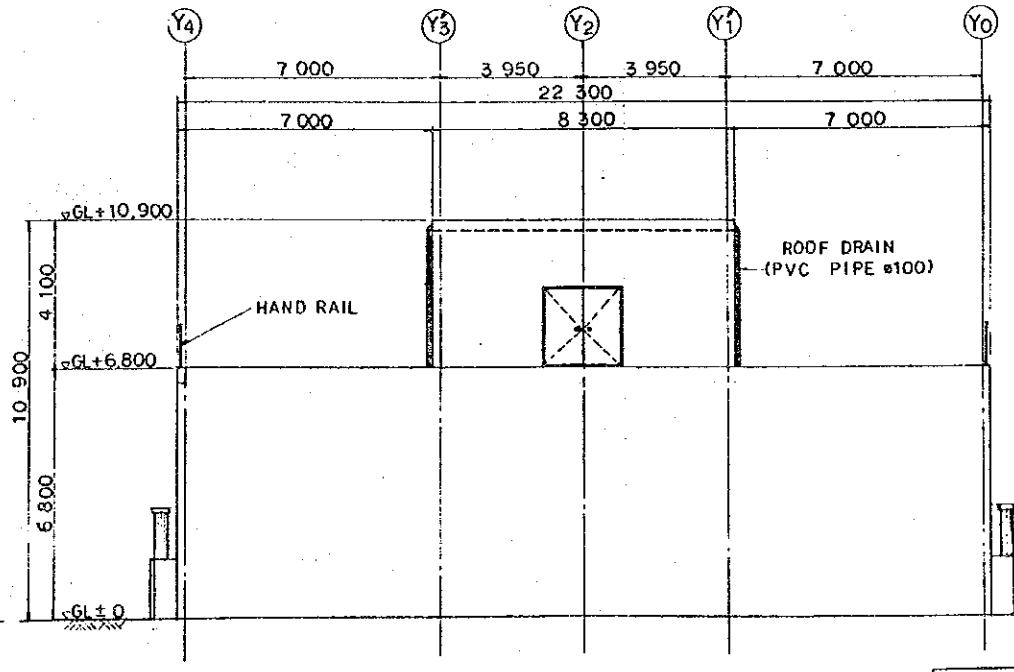
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
送水ポンプ設備一断面図/ 既設管接続図	SCALE
	NONE
	DRAWING NO.
EGM-WT-21	
JAPAN INTERNATIONAL COOPERATION AGENCY	



NORTH ELEVATION S=1:200



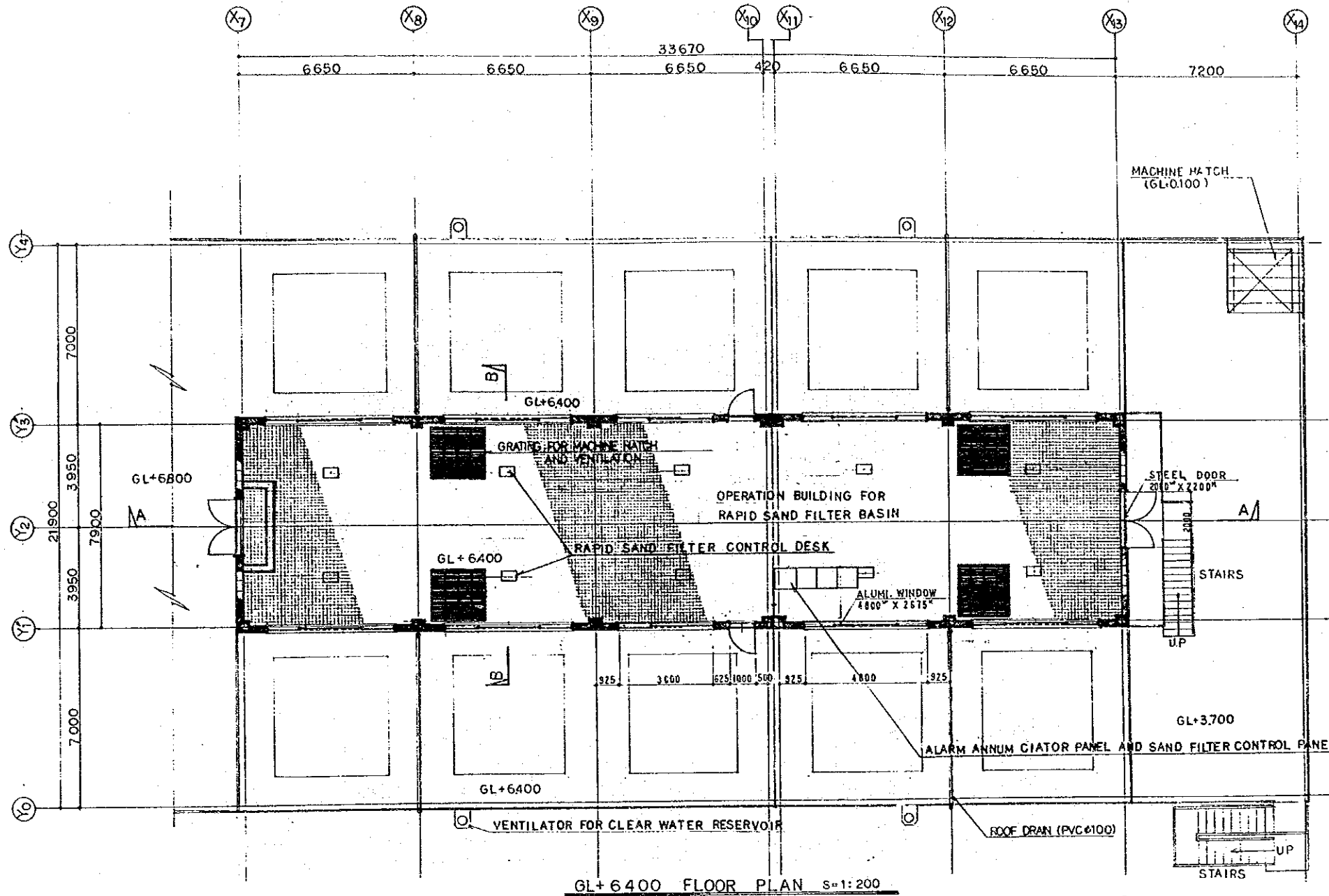
WEST ELEVATION S=1:200



EAST ELEVATION S=1:200

NOTE:  
GL±0=AD+21000

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ろ過池立面図	SCALE
	1:200
	DRAWING NO.
EGM-WT-22	
JAPAN INTERNATIONAL COOPERATION AGENCY	



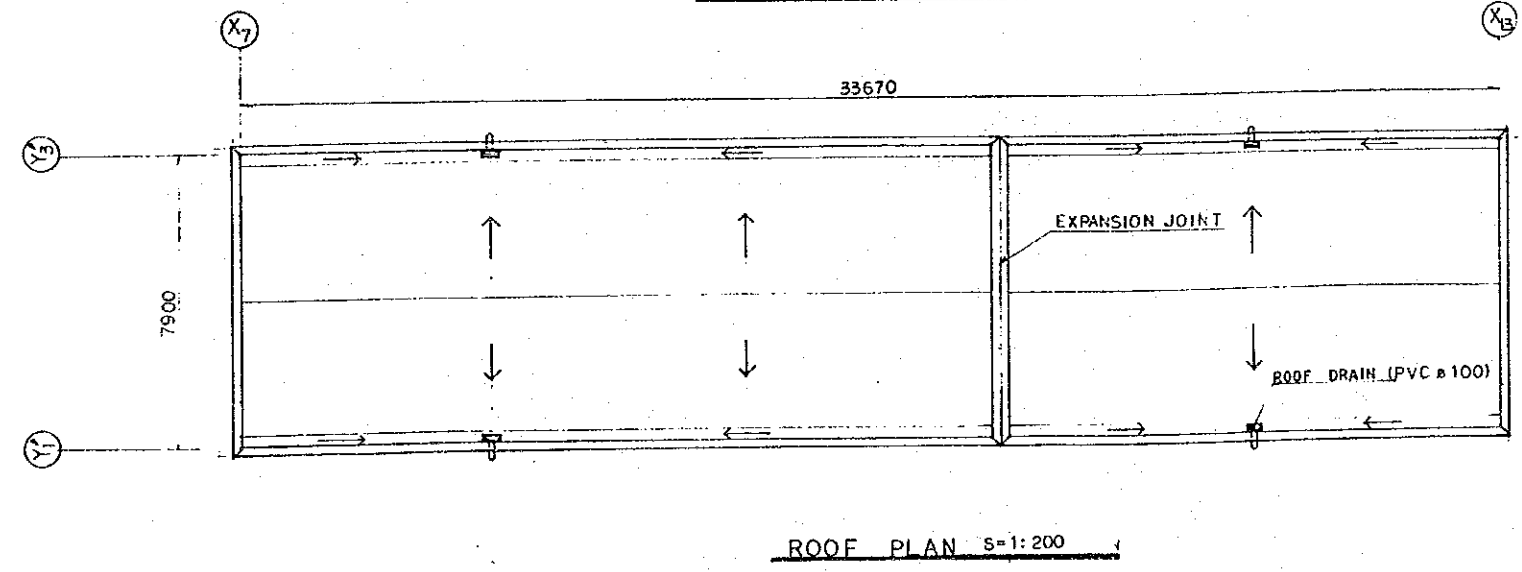
**EXTERIOR FINISHING**

- ROOF ; ASPHALT MEMBRANE WATER-PROOFING
- WALL ; MORTAR TROWEL WITH E.P
- BASE BOARD ; MORTAR TROWEL FINISH
- COPING ; ALUMI. FOLDED-PLATE THK. 2 MM
- ROOF DRAIN ; PVC PIPE #100
- FITTING ; ALUMI. WINDOW , STEEL DOOR

**INTERIOR FINISHING**

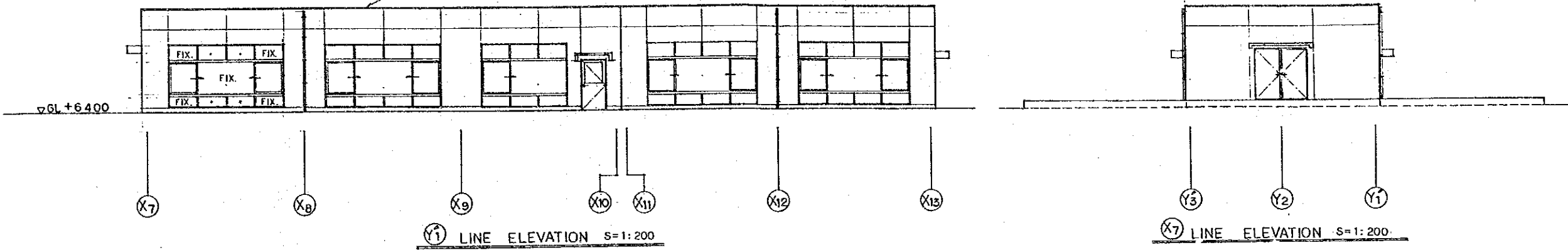
- FLOOR ; VITREOUS TILE 100°
- WALL ; SEMI-VITREOUS TILE 100° (UP TO 2700 MM)  
MORTAR TROWEL WITH E.P
- CEILING ; EXPOSED CONCRETE WITH E.P

NOTE:  
GL±0 = AD+21.000

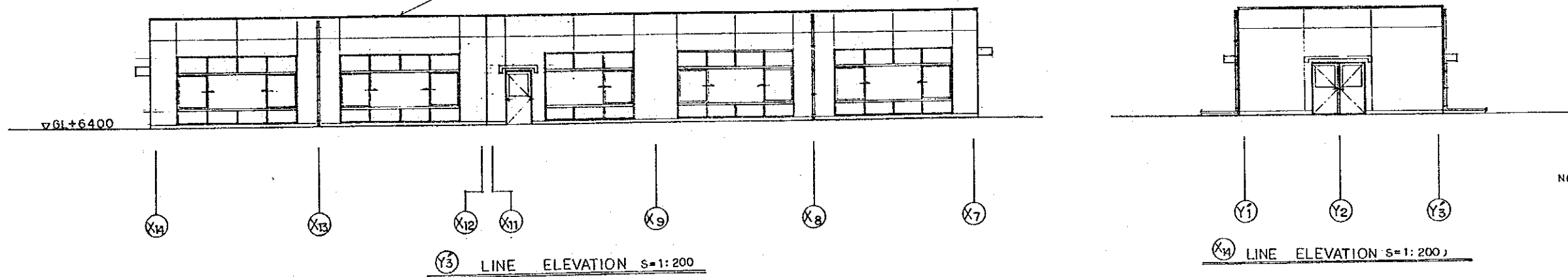


THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ろ過池操作室一平面図	SCALE 1:200
	DRAWING NO. EGM-WT-23
	JAPAN INTERNATIONAL COOPERATION AGENCY

OPERATION BUILDING FOR RAPID SAND FILTER BASIN

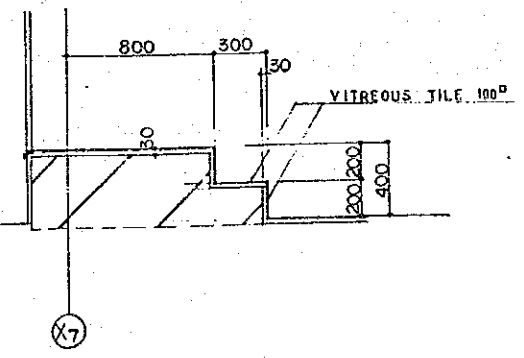
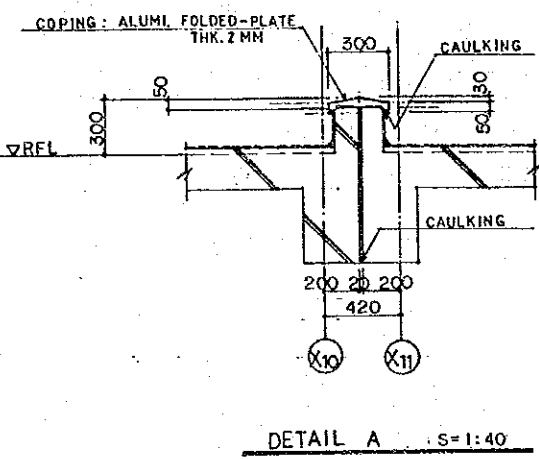
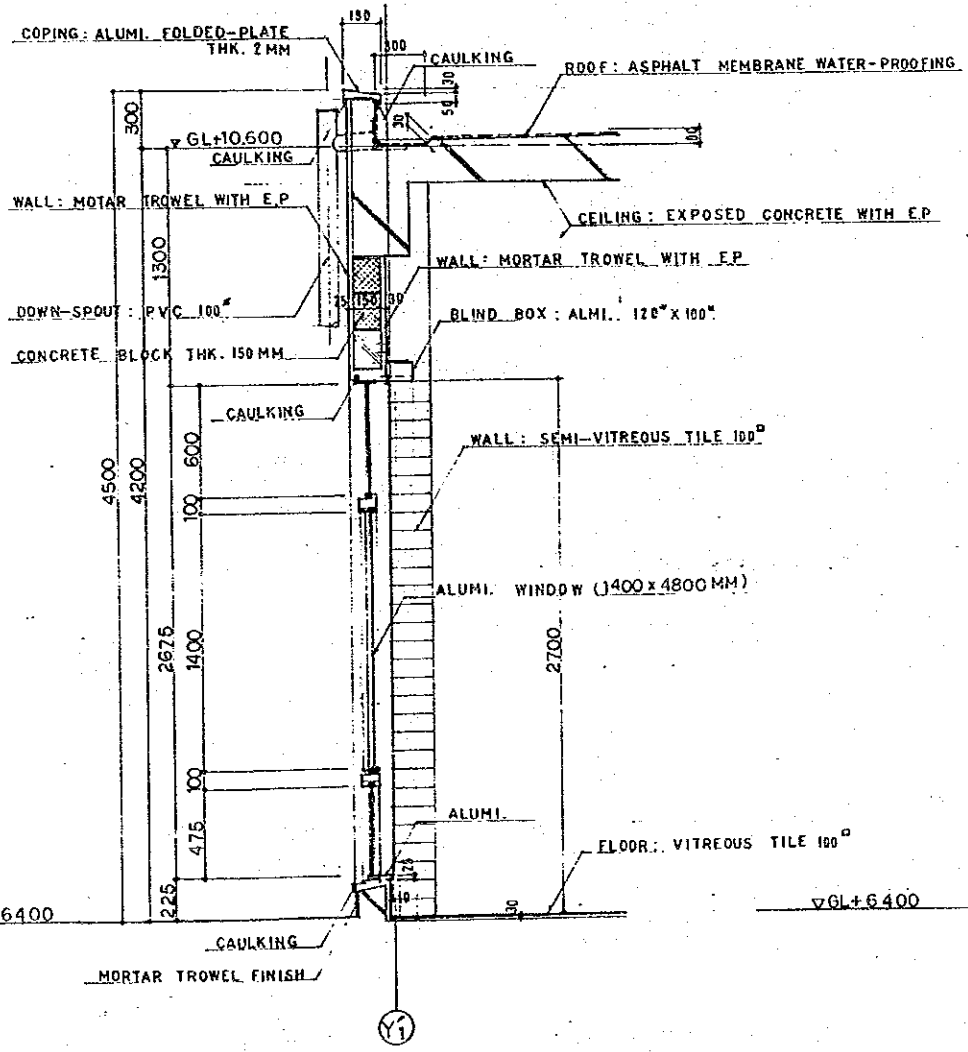
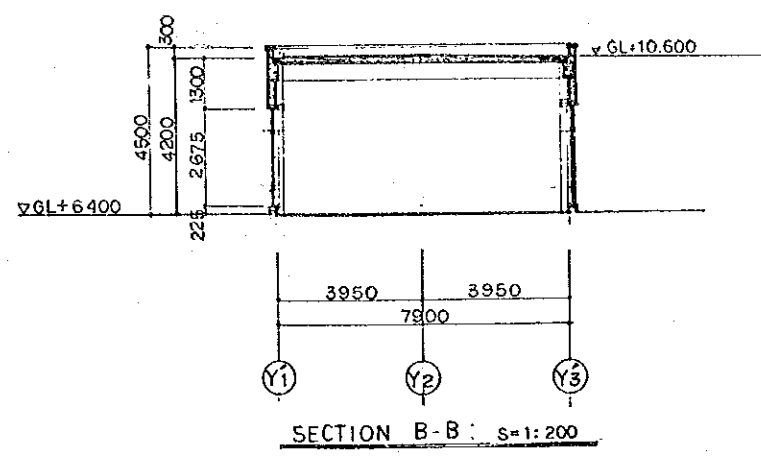
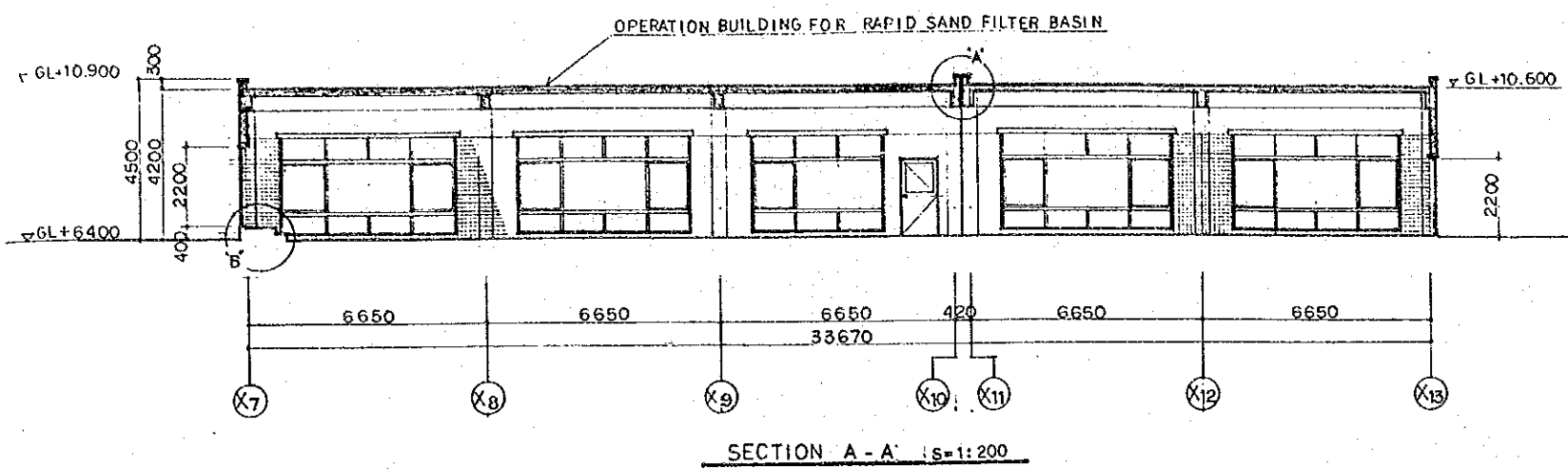


OPERATION BUILDING FOR RAPID SAND FILTER BASIN



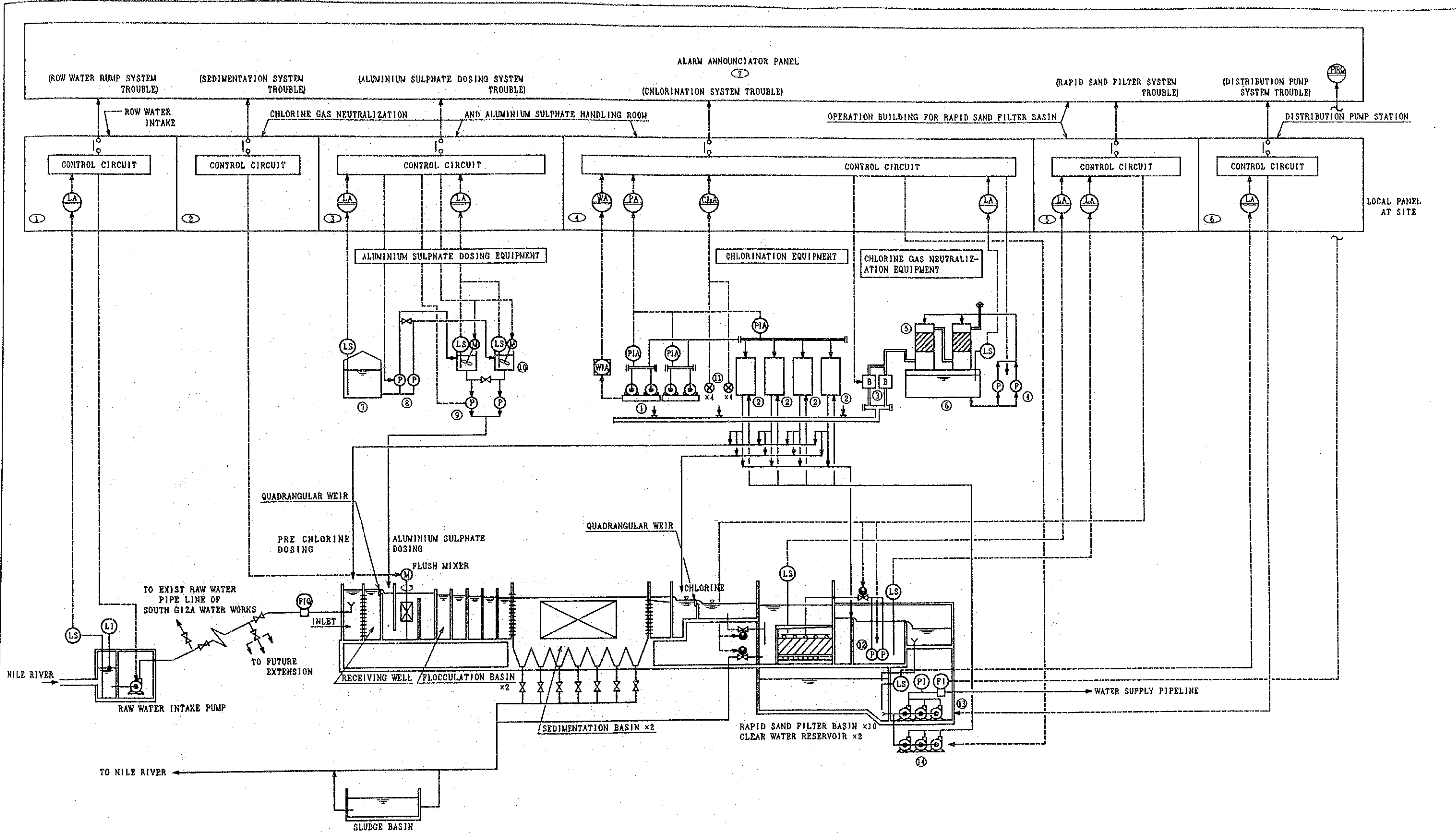
NOTE:  
GL±0=AD+21.000

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ろ過池操作室一立面図	SCALE 1:200
	DRAWING NO. EGM-WT-24
	JAPAN INTERNATIONAL COOPERATION AGENCY



NOTE:  
GL±0 = AD+21000

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ろ過池 操作室一建具詳細図	SCALE AS SHOWN
	DRAWING NO. EGM-WT-25
	JAPAN INTERNATIONAL COOPERATION AGENCY



NAME OF FACILITY FOR CHEMICAL DOSING EQUIPMENT

- ① CHLORINE CYLINDER WEIGHING SCALE
- ② CHLORINATOR
- ③ CHLORINE GAS EXHAUST FAN
- ④ CAUSTIC SODA SOLUTION RECIRCULATION PUMP
- ⑤ ABSORPTION TOWER
- ⑥ CAUSTIC SODA SOLUTION STORAGE TANK
- ⑦ LIQUID ALUMINIUM SULPHATE STORAGE TANK
- ⑧ LIQUID ALUMINIUM SULPHATE TRANSFER PUMP
- ⑨ ALUMINIUM SULPHATE SOLUTION DOSING PUMP
- ⑩ ALUMINIUM SULPHATE SOLUTION TANK
- ⑪ CHLORINE GAS DETECTOR
- ⑫ SURFACE WASHING PUMP
- ⑬ DISTRIBUTION PUMP
- ⑭ WATER BOOSTER PUMP

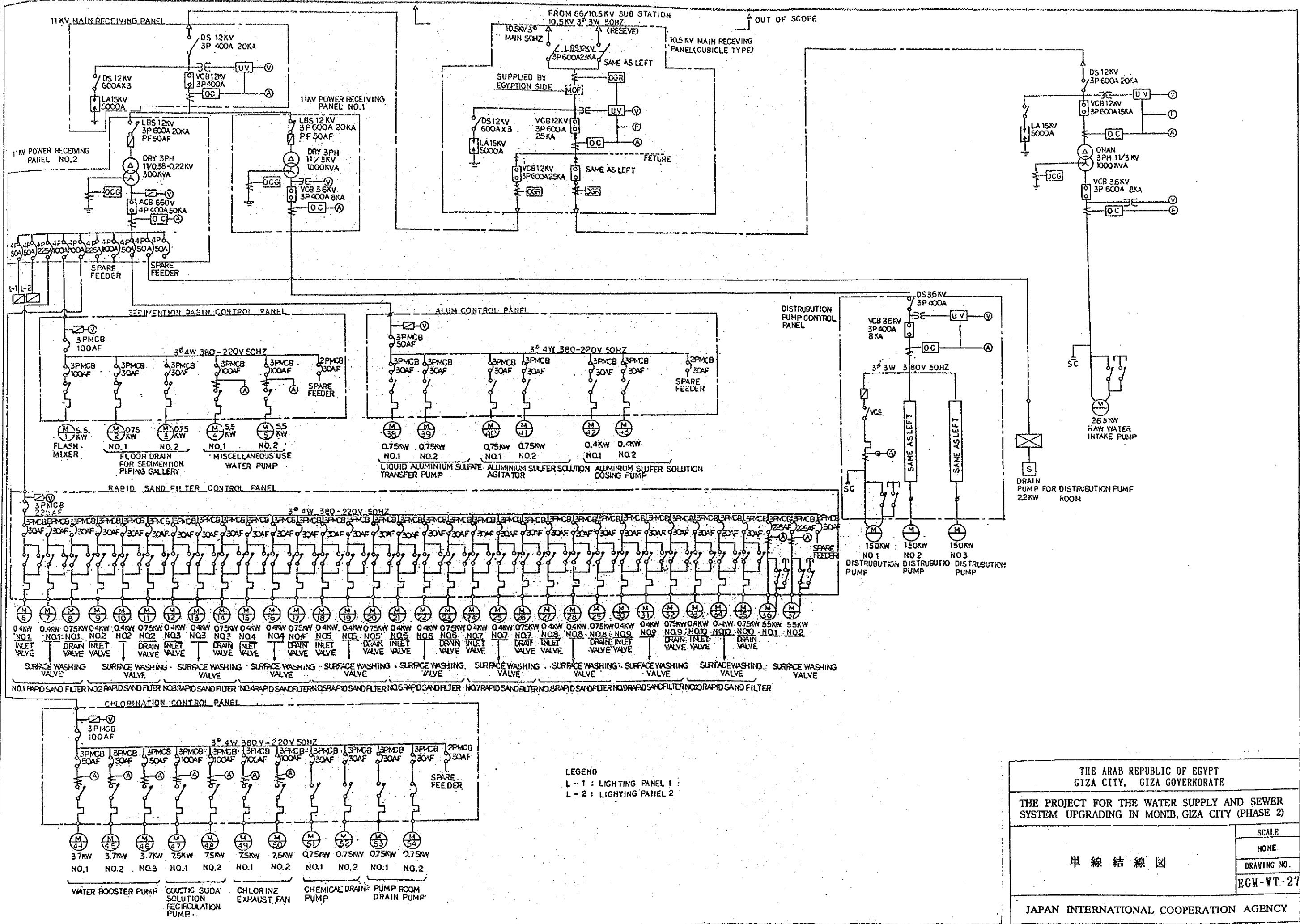
LEGEND

- LS : LEVEL SWITCH
- LA : LEVEL ALARM
- FIQ : FLOW INDICATOR & TOTALIZER
- WA : WEIGHT ALARM
- PA : PRESSURE ALARM
- PI : PRESSURE INDICATOR
- CLA : CHLORINE GAS LEAK ALARM
- LI : WATER LEVEL INDICATOR
- ⊗ : MOTOR VALVE
- ⊗ : VALVE BY HANDLE

- ① RAW WATER INTAKE PUMP CONTROL PANEL
- ② SEDIMENTATION BASIN CONTROL PANEL
- ③ ALUMINIUM SULPHATE CONTROL PANEL
- ④ CHLORINATION CONTROL PANEL
- ⑤ RAPID SAND FILTER CONTROL PANEL
- ⑥ DISTRIBUTION PUMP CONTROL PANEL
- ⑦ ALARM ANNUNCIATOR PANEL

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
計装系統図	SCALE NONE
	DRAWING NO. EGM-WT-26
JAPAN INTERNATIONAL COOPERATION AGENCY	





LEGEND  
 L - 1 : LIGHTING PANEL 1  
 L - 2 : LIGHTING PANEL 2

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
単線結線図 (Single Line Wiring Diagram)	SCALE NONE
	DRAWING NO. EGM-WT-27
	JAPAN INTERNATIONAL COOPERATION AGENCY



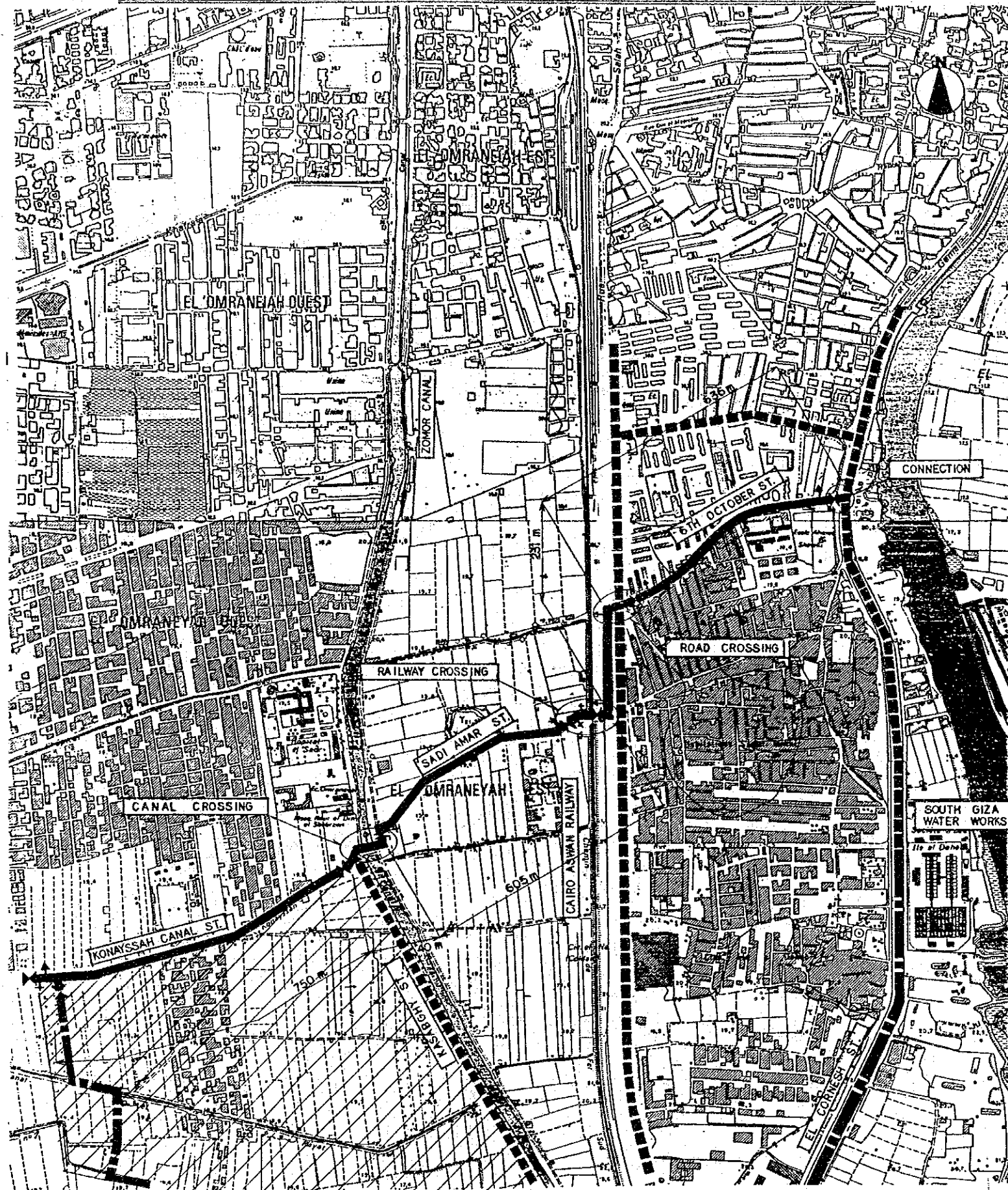
資料 10-2 配水幹線布設計画









配水幹線布設計画基本設計図  
図面リスト

EGM-WL-01	配水幹線施設平面図
EGM-WL-02	既設管接続図
EGM-WL-03	付帯設備標準構造図 (1/2)
EGM-WL-04	付帯設備標準構造図 (2/2)
EGM-WL-05	道路横断部平面図及び断面図
EGM-WL-06	鉄道横断部平面図及び断面図
EGM-WL-07	運河横断部平面図及び断面図

PLAN OF APPURTENANCE FOR WATER SUPPLY TRUNK LINE S=1:5000



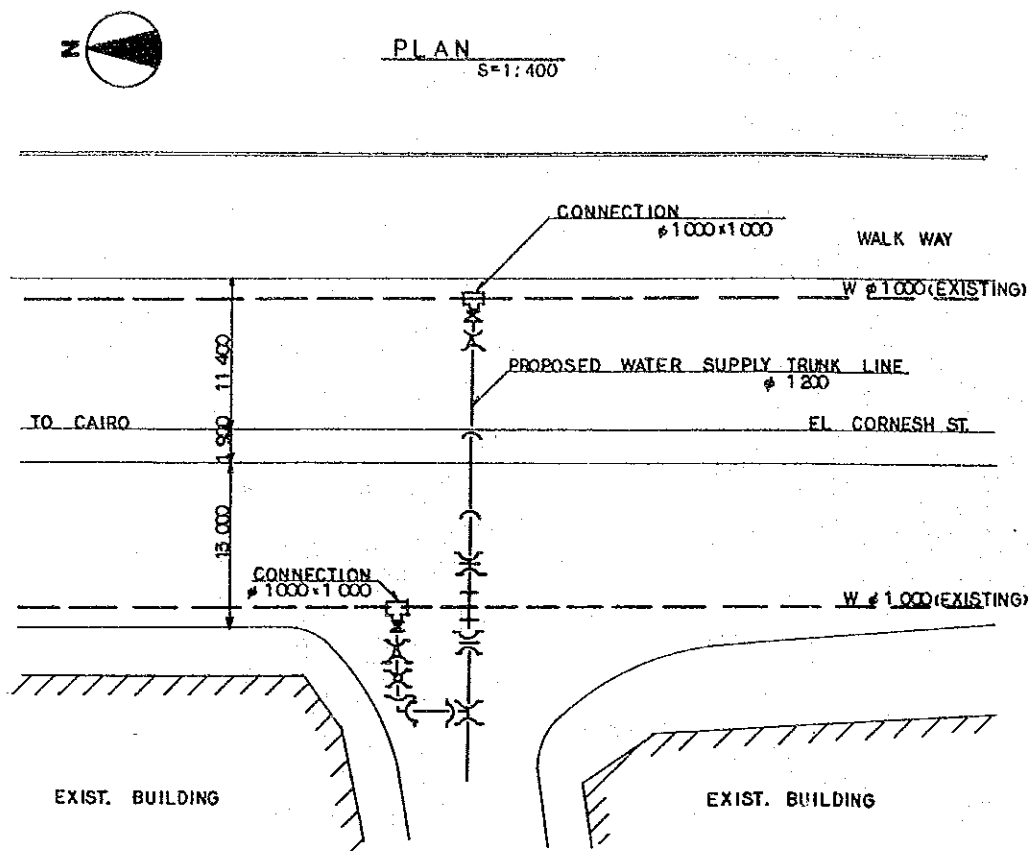
**LEGEND**

-  PROPOSED WATER TRUNK LINE
-  VALVE
-  AIR RELIEF VALVE
-  WASH OUT
-  WATER SUPPLY BRANCH LINE (PHASE -1 CONSTRUCTION)
-  EXISTING WATER SUPPLY PIPELINE

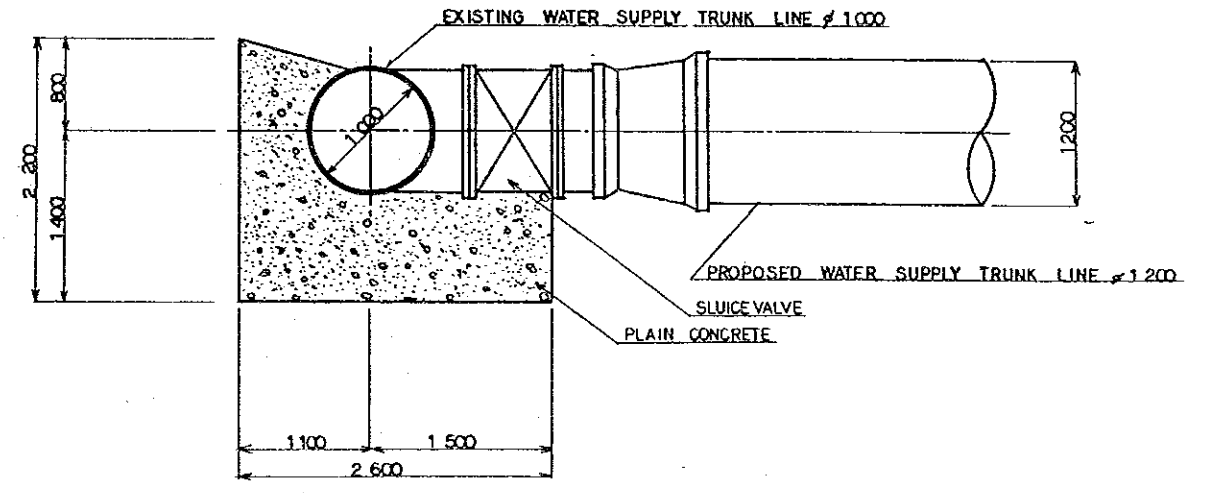
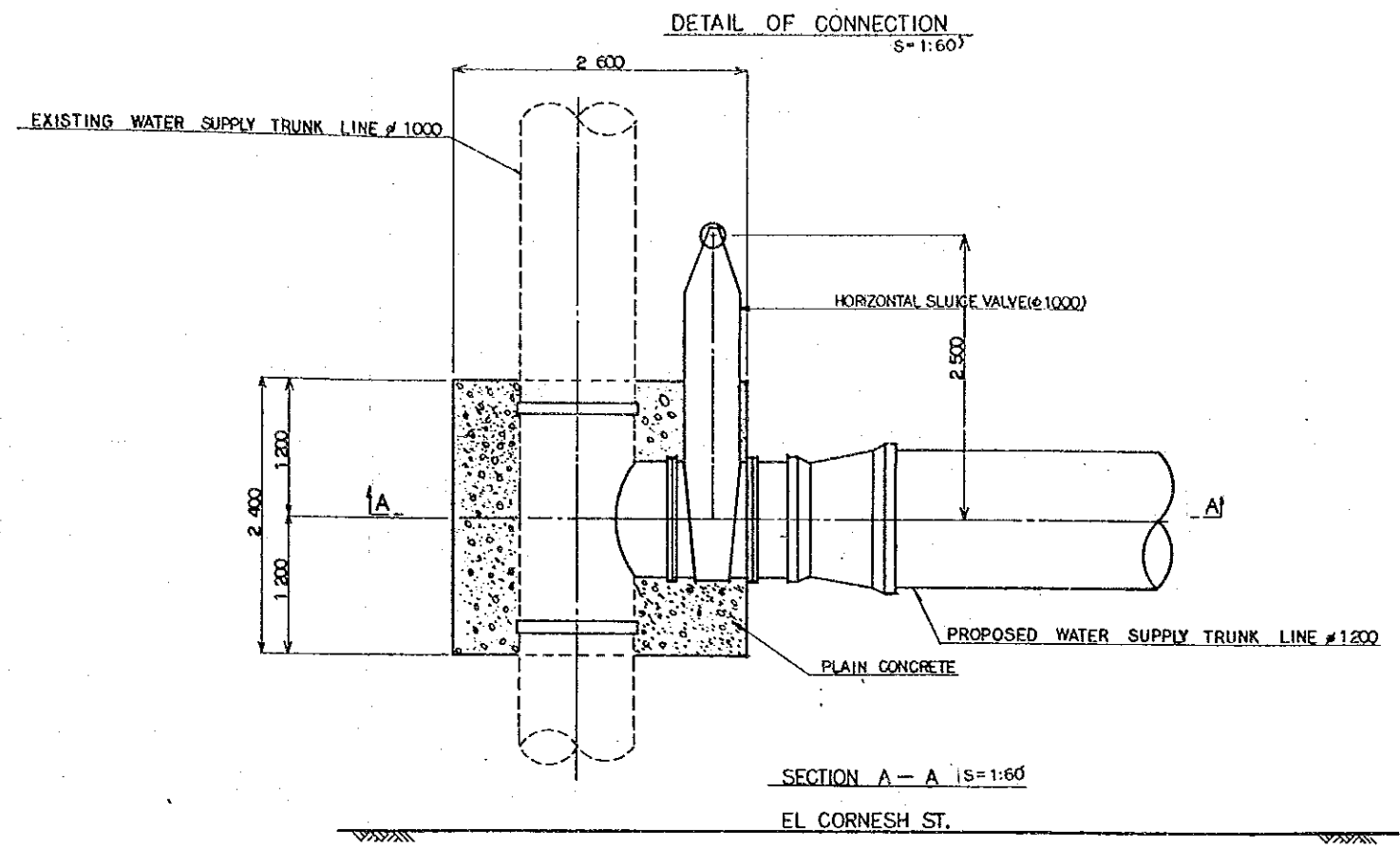
- NOTES**
1. FOR THE DETAIL OF RAILWAY CROSSING, SEE DRAWING NO. EGM-WL-06.
  2. FOR THE DETAIL OF ROAD CROSSING, SEE DRAWING NO. EGM-WL-05.
  3. FOR THE DETAIL OF CANAL CROSSING, SEE DRAWING NO. EGM-WL-07.
  4. FOR THE DETAIL OF CONNECTION, SEE DRAWING NO. EGM-WL-02.
  5. FOR THE DETAIL OF VALVE CHAMBERS, SEE DRAWING NO. EGM-WL-03.

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
配水幹線施設平面図	SCALE AS SHOWN
	DRAWING NO. EGM-WL-01
JAPAN INTERNATIONAL COOPERATION AGENCY	

PLAN OF CONNECTION TO EXISTING PIPE LINE



NOTE  
1. FOR THE LOCATION OF CONNECTION  
SEE DRAWING NO. EGM-WL-01.

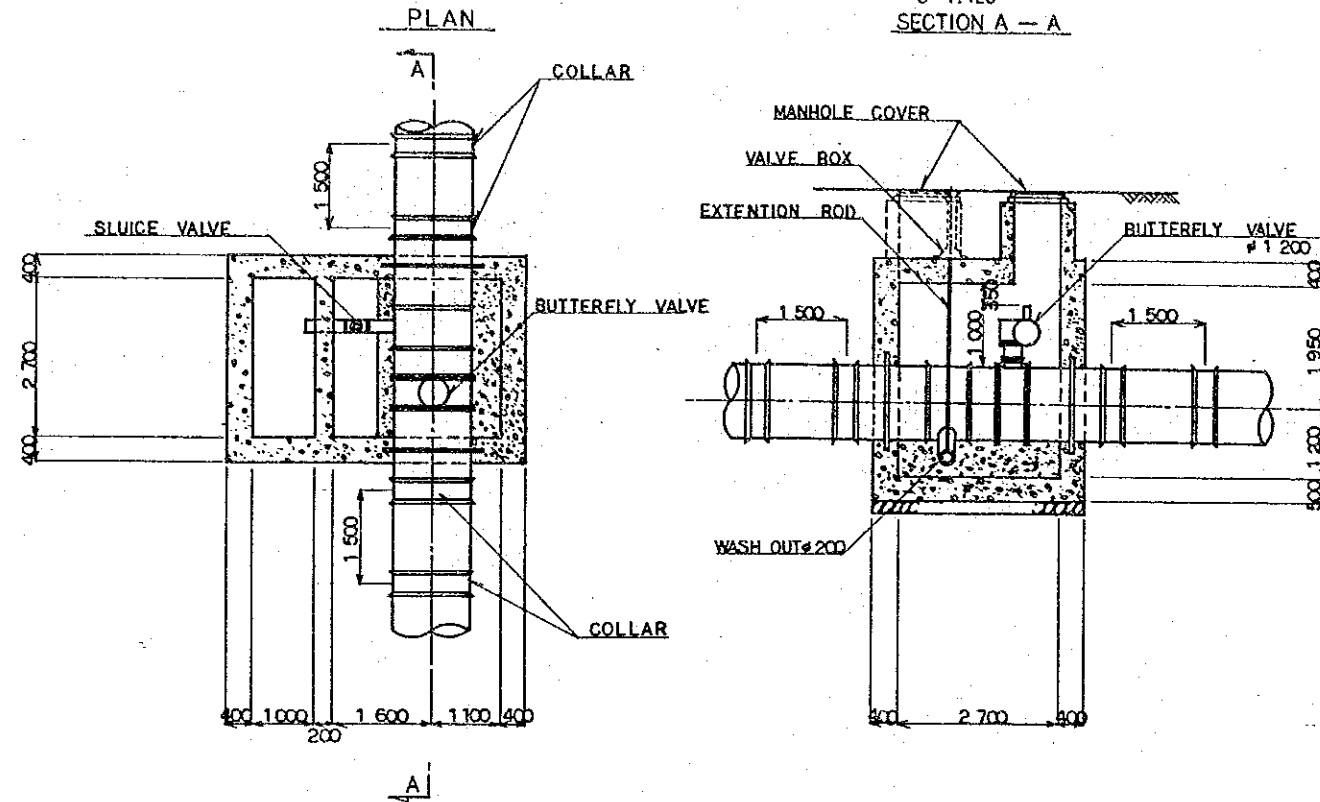


THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
既設管接続図	SCALE
	AS SHOWN
	DRAWING NO.
EGM-WL-02	
JAPAN INTERNATIONAL COOPERATION AGENCY	

VALVE CHAMBER

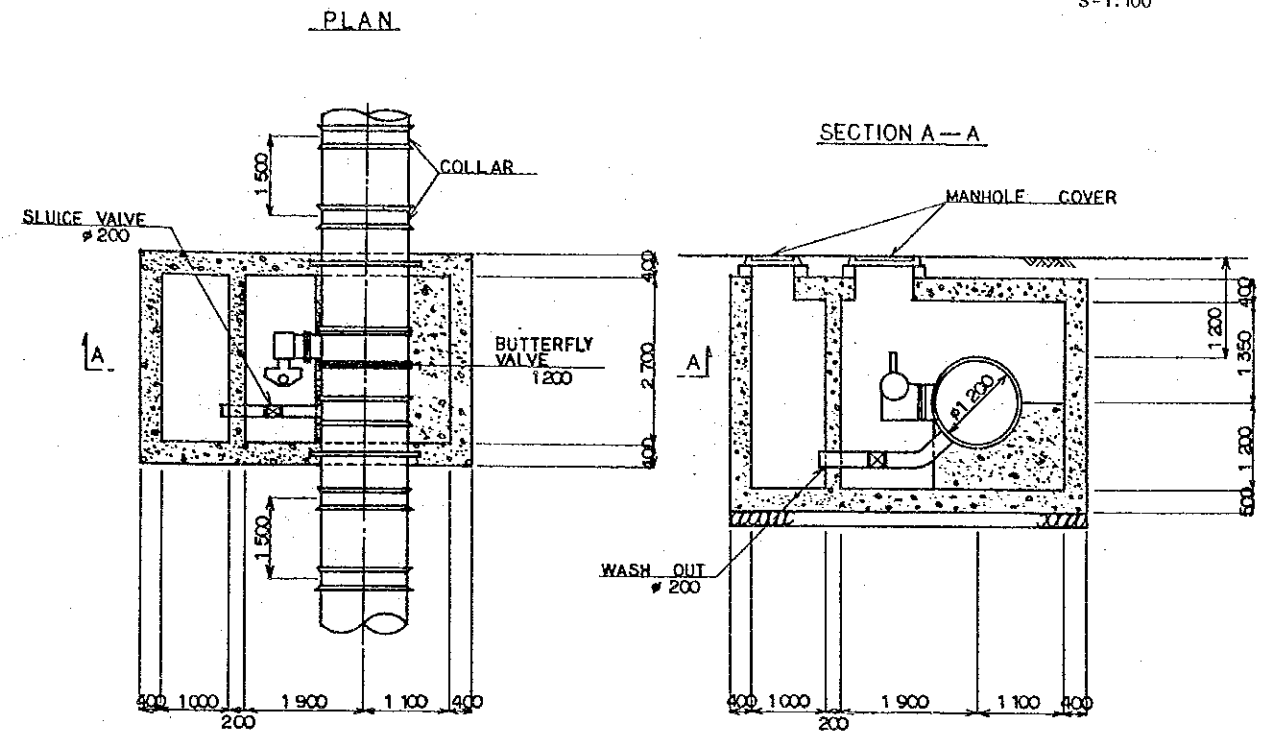
BUTTERFLY VALVE CHAMBER (VERTICAL TYPE)

S=1:120  
SECTION A - A



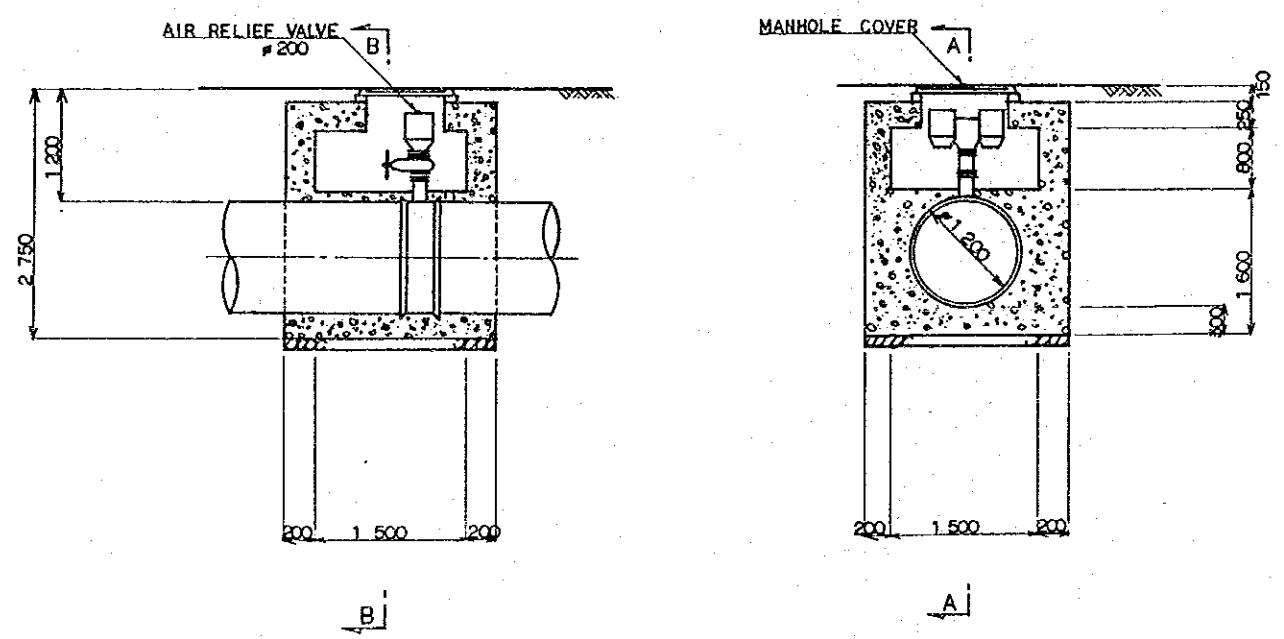
BUTTERFLY VALVE CHAMBER (HORIZONTAL TYPE)

S=1:100



AIR RELIEF VALVE CHAMBER

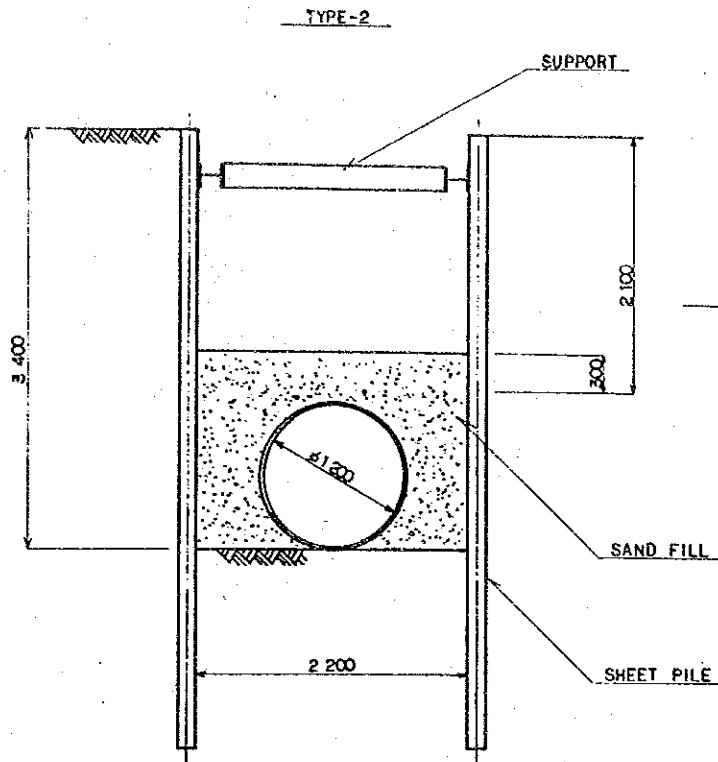
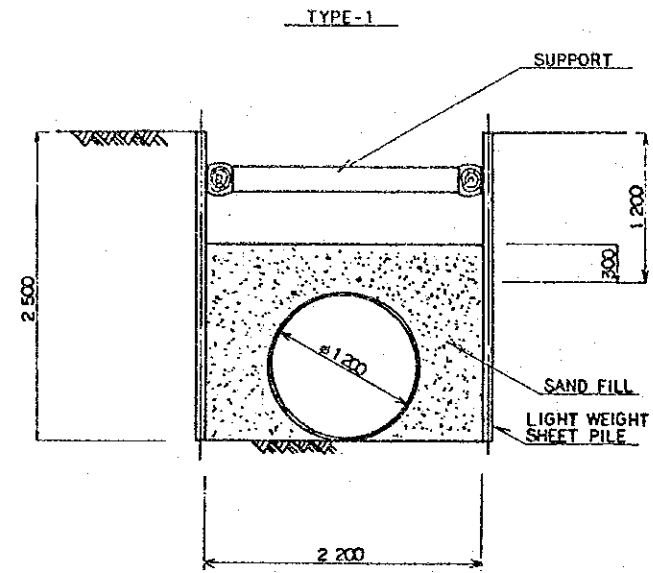
SECTION A - A      S=1:80      SECTION B - B



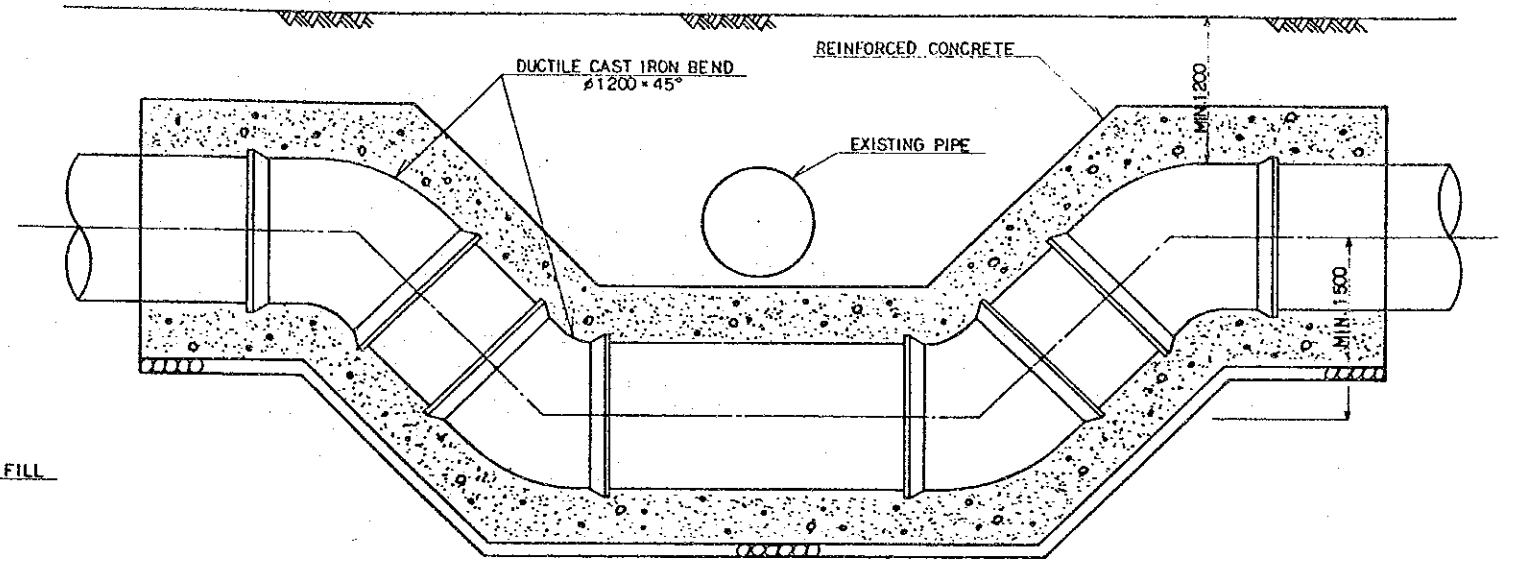
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
付帯設備標準構造図(1/2)	SCALE
	AS SHOWN
	DRAWING NO. EGM-WL-03
JAPAN INTERNATIONAL COOPERATION AGENCY	



TYPICAL SECTION OF PIPE LAYING S=1:60

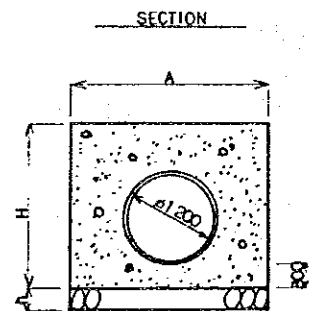
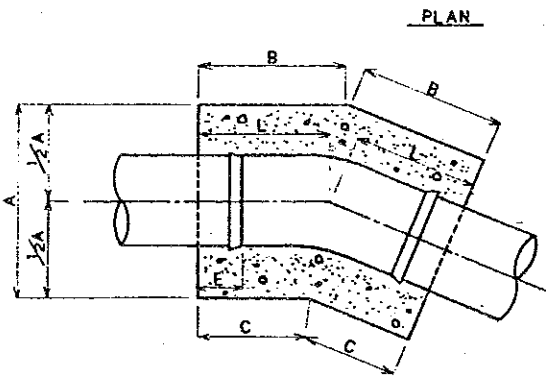


TYPICAL SECTION OF PIPE CROSSING S=1:60



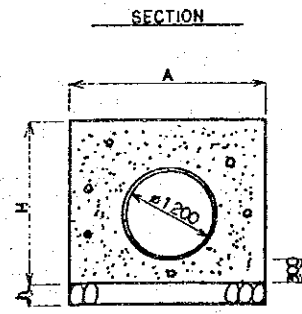
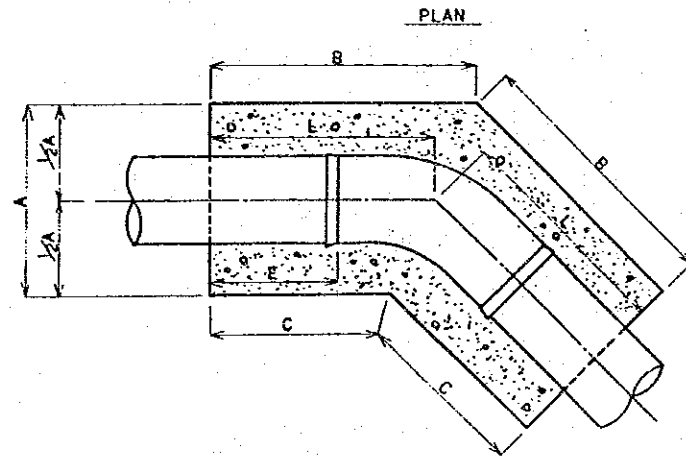
ANCHOR BLOCK STANDARDS FOR WATER SUPPLY TRUNK LINE φ1200

IN CASE OF 22½ BEND



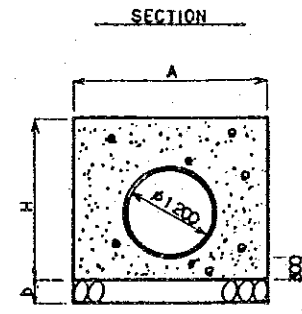
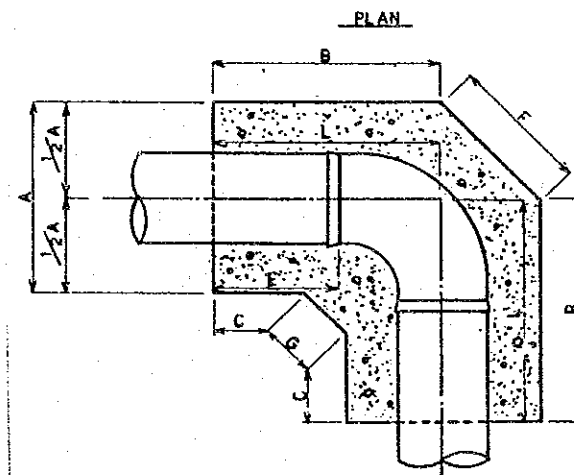
	A	B	C	E	H	h	L
HORIZONTAL	2 300	1 530	1 070	330	1 750	300	1 300
VERTICAL	1 850	1 790	1 410	620	1 900	300	1 600

IN CASE OF 45° BEND



	A	B	C	E	H	h	L
HORIZONTAL	2 300	3 190	2 310	1 720	1 750	300	2 750
VERTICAL	2 150	2 560	1 640	1 070	2 200	300	2 100

IN CASE OF 90° BEND



	A	B	C	E	F	G	H	h	L
HORIZONTAL	2 300	4 640	3 250	3 370	1 630	340	1 750	300	4 640
VERTICAL	2 300	4 690	3 300	3 420	1 630	340	2 400	300	4 690

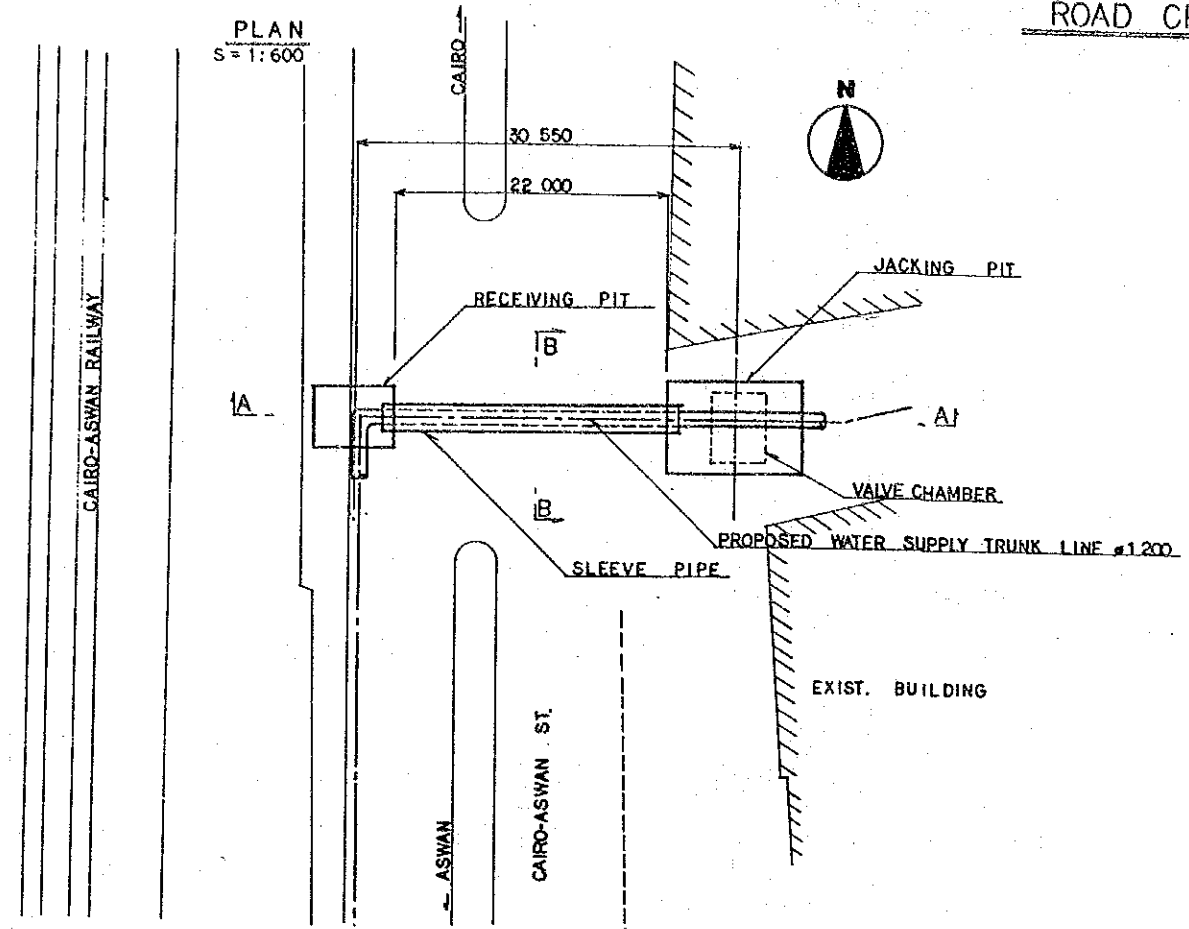
NOTE  
1 TYPICAL SECTION OF PIPE LAYING SHALL BE BASICALLY APPLIED AS FOLLOWS.

- TYPE-1: CAIRO - ASWAN ST.  
SADI AMAR ST.
- TYPE-2: 6TH OCTOBER ST.  
KONAYSSAH CANAL ST.

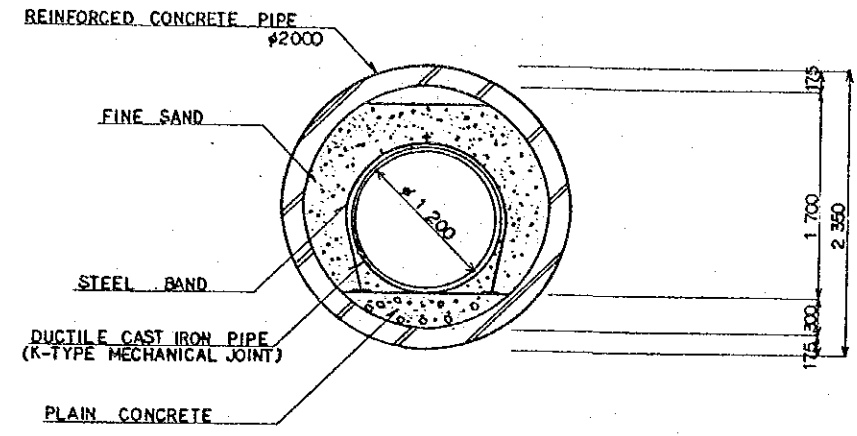
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
付帯設備標準構造図(2/2)	SCALE AS SHOWN
	DRAWING NO. EGM-WL-04
JAPAN INTERNATIONAL COOPERATION AGENCY	

ROAD CROSSING - SLEEVE JACKING METHOD

PLAN  
S = 1:600

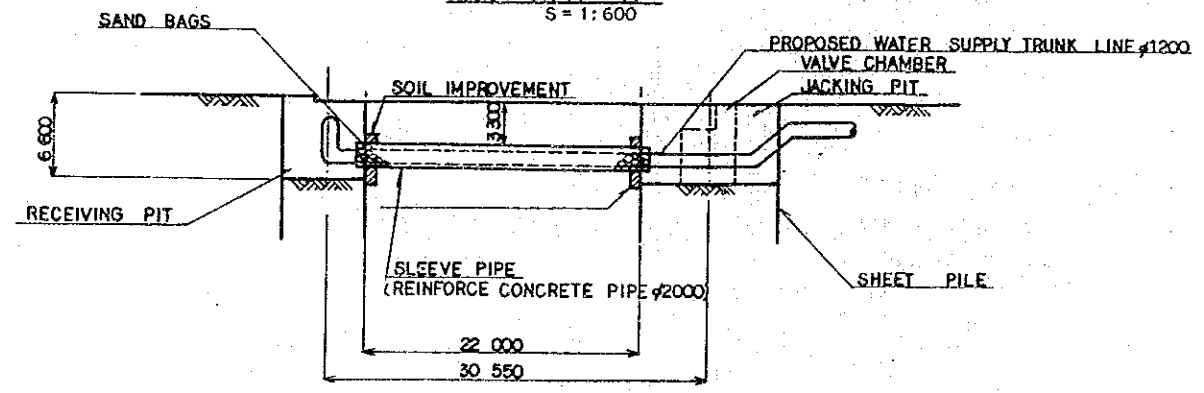


SECTION B - B  
S = 1:60



NOTE  
1 FOR THE LOCATION OF ROAD CROSSING, SEE DRAWING NO. EGM-WL-01.

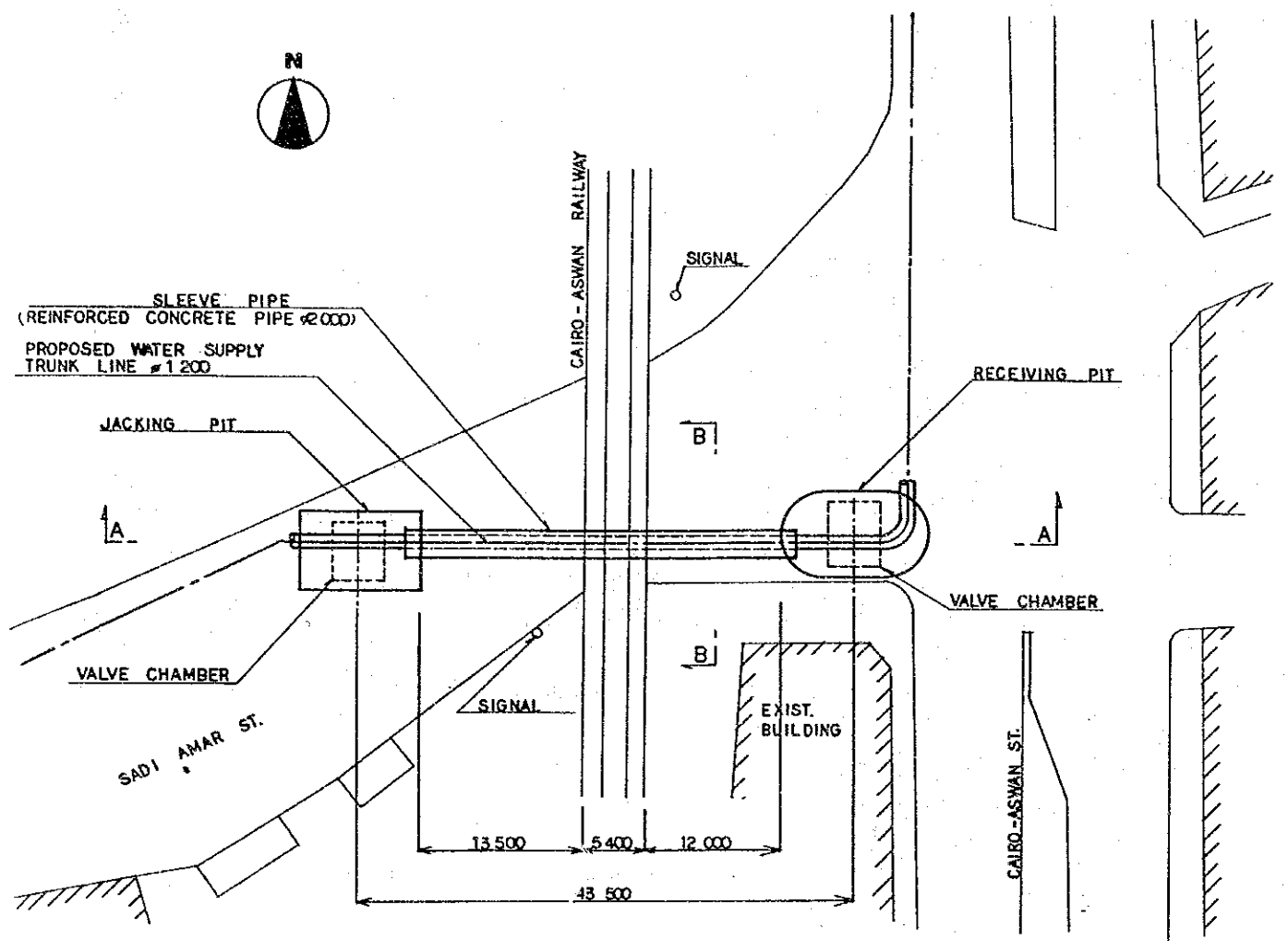
SECTION A - A  
S = 1:600



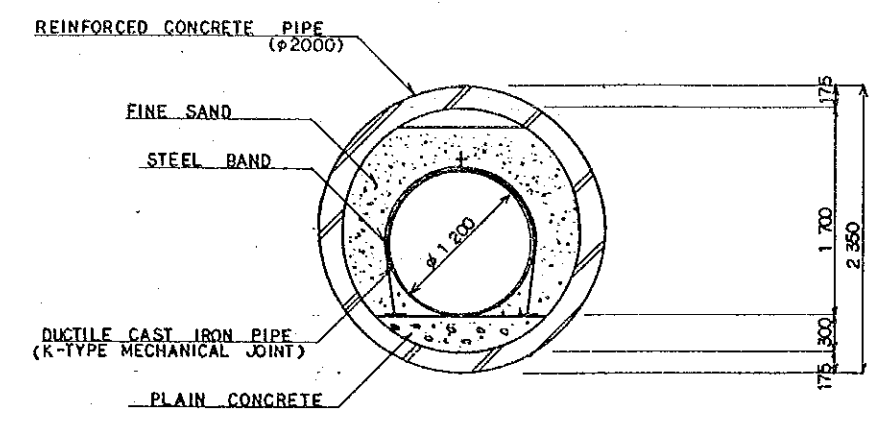
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
道路横断面部平面図及び断面図	SCALE
	AS SHOWN
	DRAWING NO. EGM-WL-05
JAPAN INTERNATIONAL COOPERATION AGENCY	

# RAILWAY CROSSING - SLEEVE JACKING METHOD

PLAN  
S=1:600

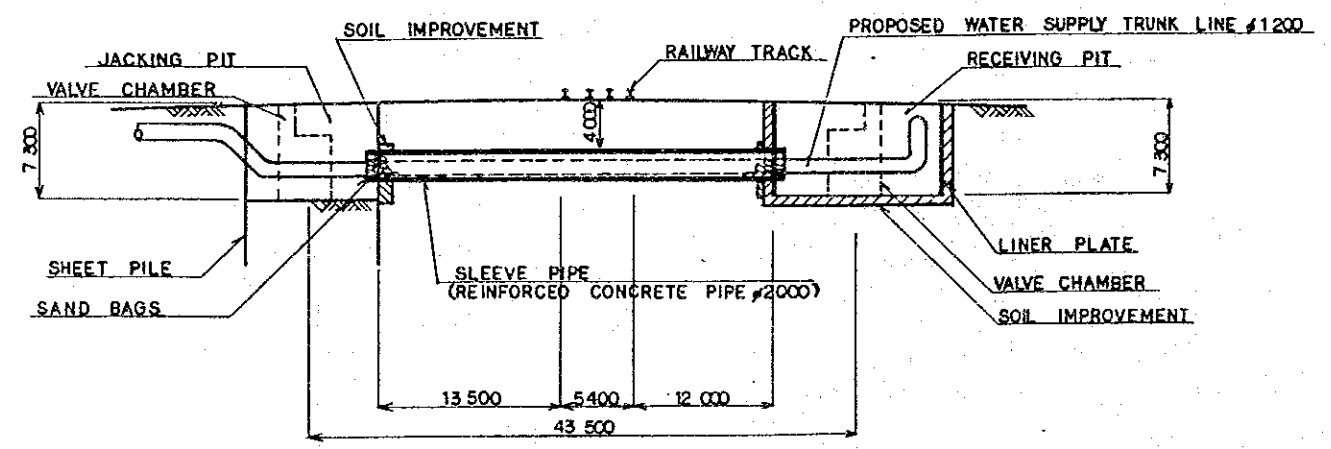


SECTION B - B  
S=1:60



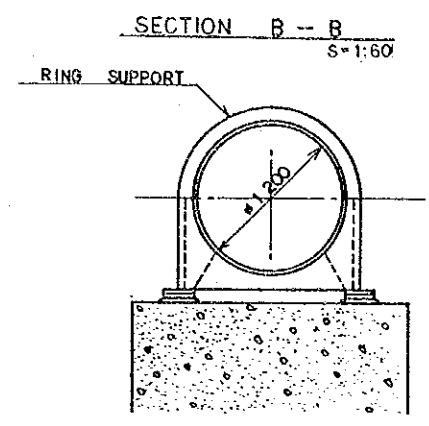
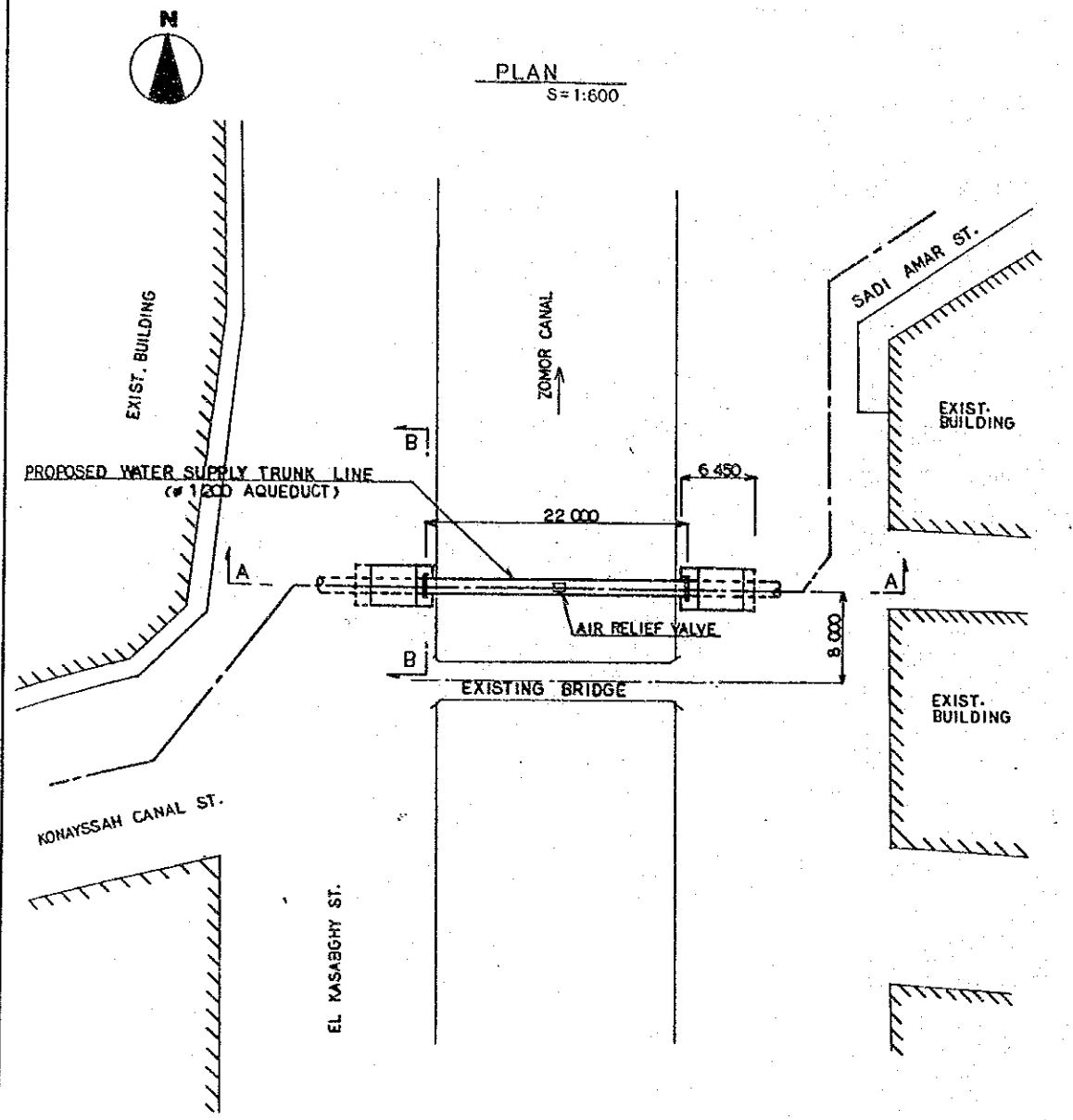
NOTE  
1. FOR THE LOCATION OF RAILWAY CROSSING  
SEE DRAWING NO. EGM-WL-01.

SECTION A - A  
S=1:600

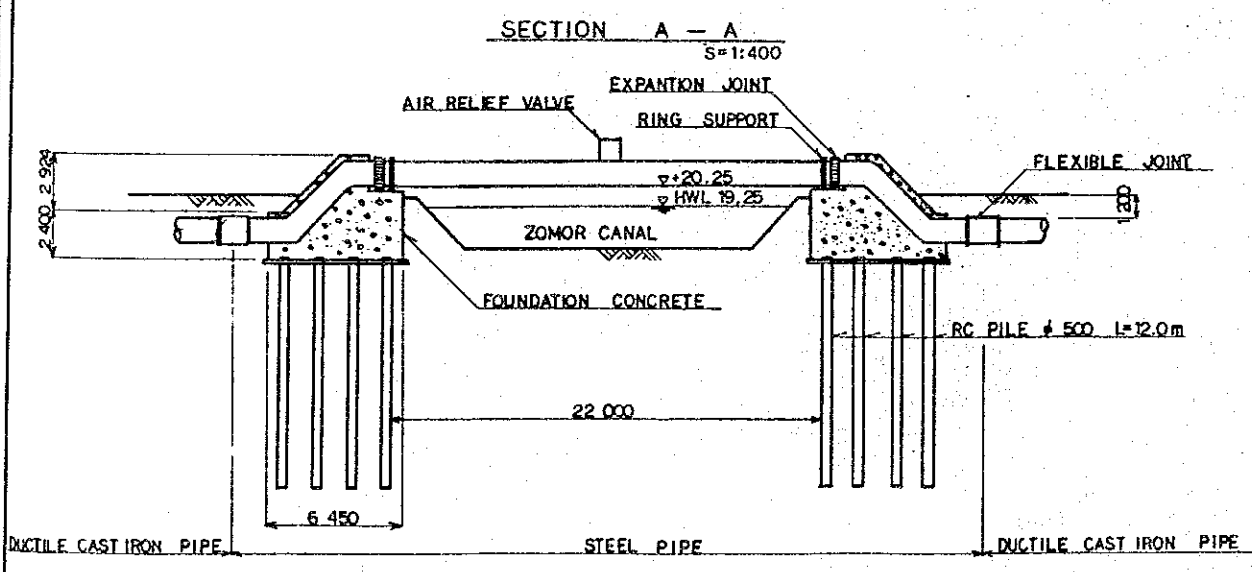


THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
鉄道横断部平面図及び断面図	SCALE
	AS SHOWN
	DRAWING NO.
EGM-WL-06	
JAPAN INTERNATIONAL COOPERATION AGENCY	

# CANAL CROSSING - AQUEDUCT



NOTE  
1. FOR THE LOCATION OF CANAL CROSSING  
SEE DRAWING NO EGM-WL-01.



THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
運河横断部平面図及び断面図	SCALE AS SHOWN
	DRAWING NO. EGM-WL-07
	JAPAN INTERNATIONAL COOPERATION AGENCY



資料 10-3 No.5(0) 下水中継ポンプ場建設計画



NO.5(B)下水中継ポンプ場建設計画基本設計図

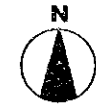
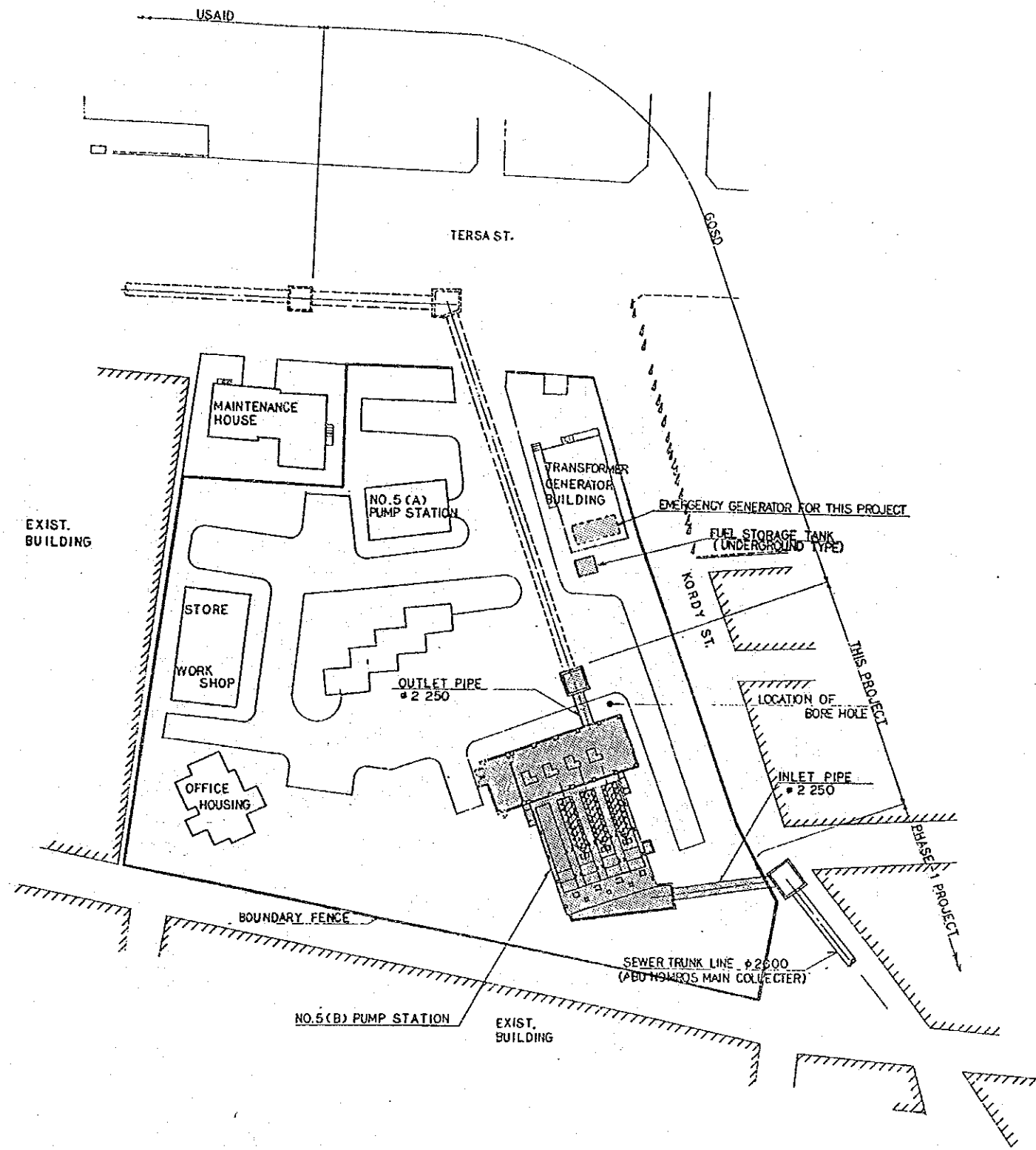
図面リスト

EGM-S-01	No.5(B)下水中継ポンプ場 全体施設平面図
EGM-S-02	ポンプ設備平面図
EGM-S-03	ポンプ設備断面図
EGM-S-04	ポンプ建屋立面図
EGM-S-05	ポンプ建屋平断面図
EGM-S-06	ポンプ場構造図 (1/4)
EGM-S-07	ポンプ場構造図 (2/4)
EGM-S-08	ポンプ場構造図 (3/4)
EGM-S-09	ポンプ場構造図 (4/4)
EGM-S-10	単線結線図



GENERAL LAYOUT OF SEWER TRANSFER PUMP STATION NO.5 (B)

S=1:1000

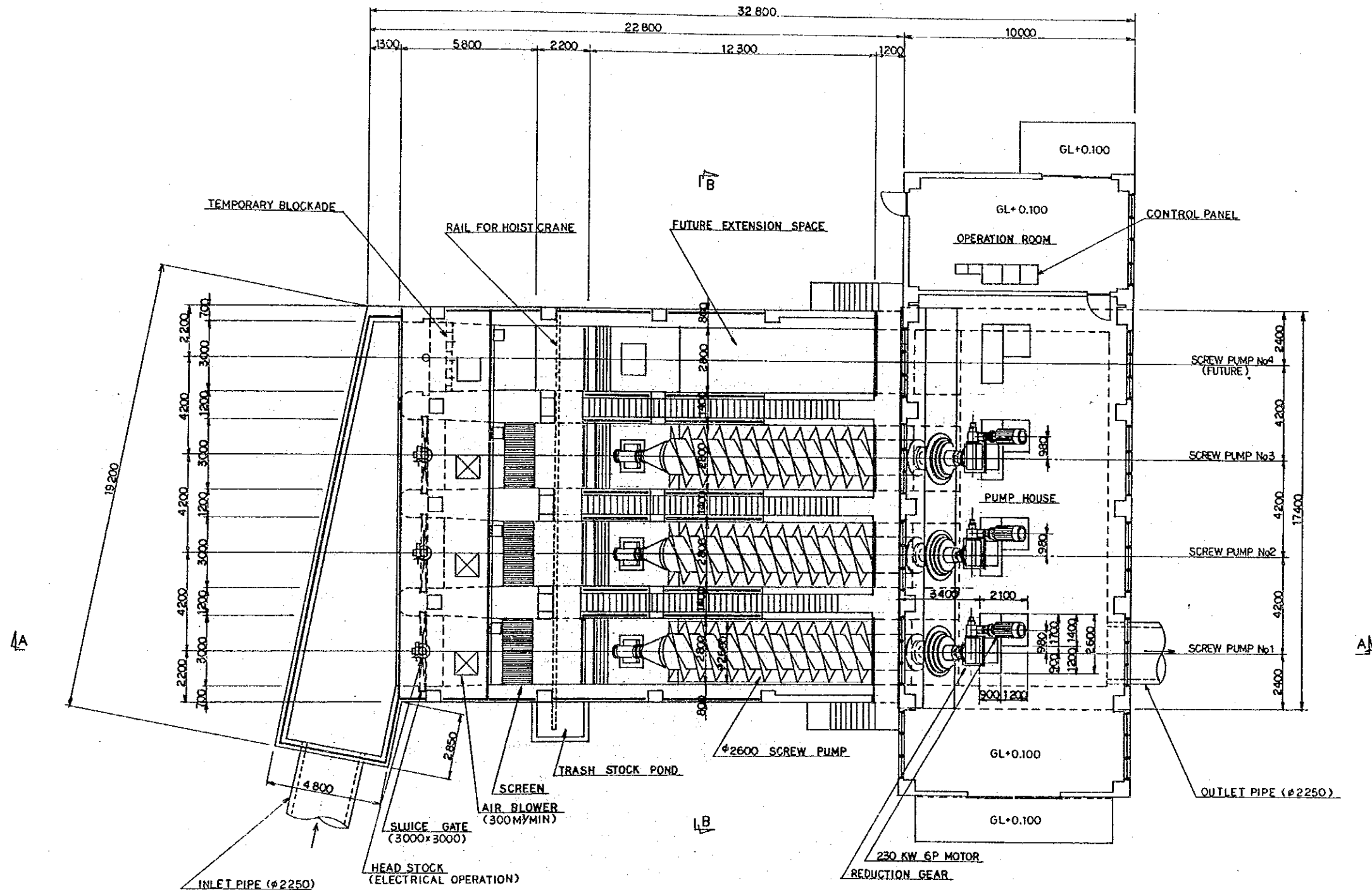


THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
No. 5(B)下水中継ポンプ場 全体施設平面図	SCALE
	AS SHOWN
	DRAWING NO. EGM-S-01
JAPAN INTERNATIONAL COOPERATION AGENCY	

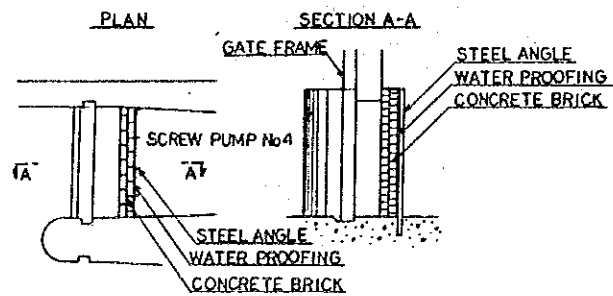
SEWER TRANSFER PUMP STATION NO.5 (B)

S=1:200

φ2600 SCREW PUMP GENERAL PLAN



DETAIL OF TEMPORARY BLOCKADE S=1:200

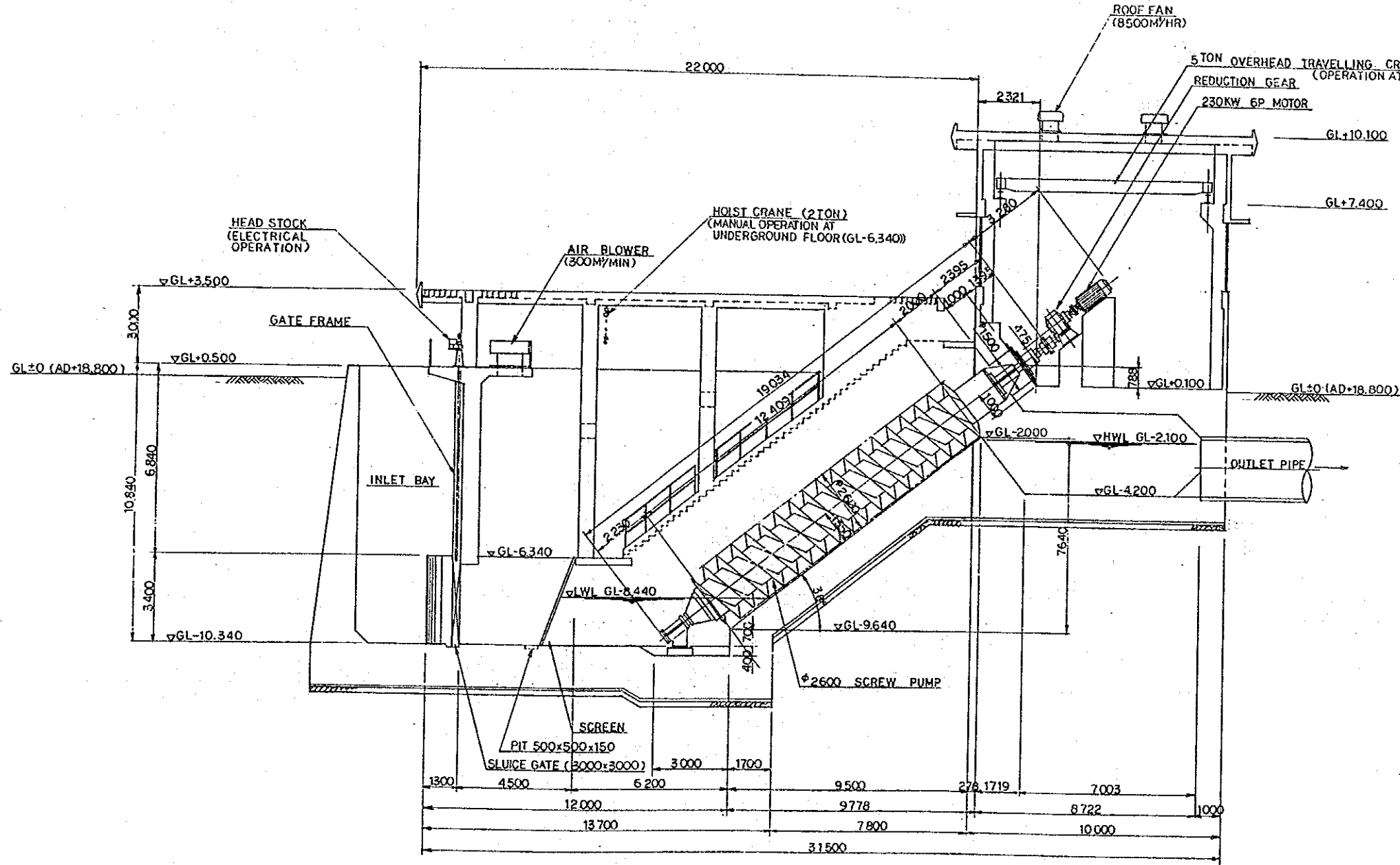


THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ポンプ設備平面図	SCALE
	AS SHOWN
	DRAWING NO.
EGM-S-02	
JAPAN INTERNATIONAL COOPERATION AGENCY	

# SEWER TRANSFER PUMP STATION NO.5 (B)

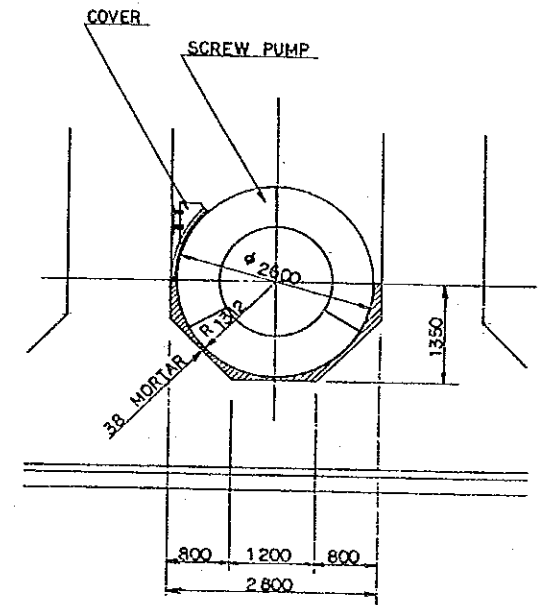
S=1:200

## SECTION A - A

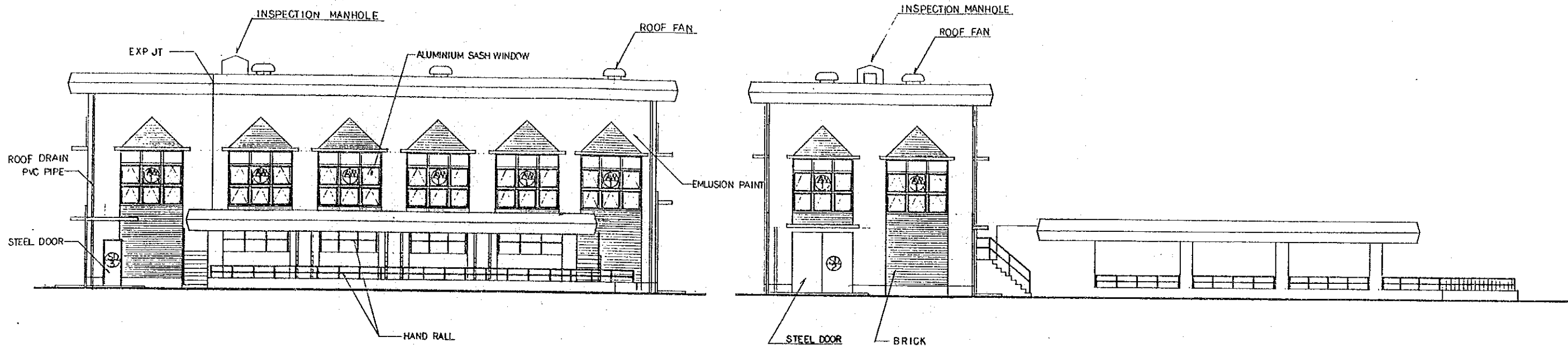


## SECTION B - B

S=1:100

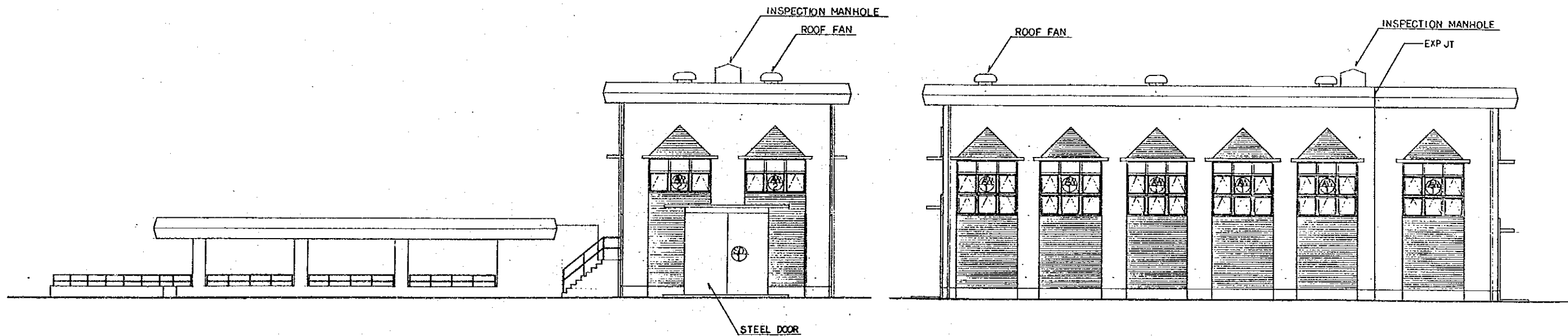


THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ポンプ設備断面図	SCALE
	AS SHOWN
	DRAWING NO.
	EGM-S-03
JAPAN INTERNATIONAL COOPERATION AGENCY	



PUMP HOUSE--SOUTHEAST ELEVATION S=1:200

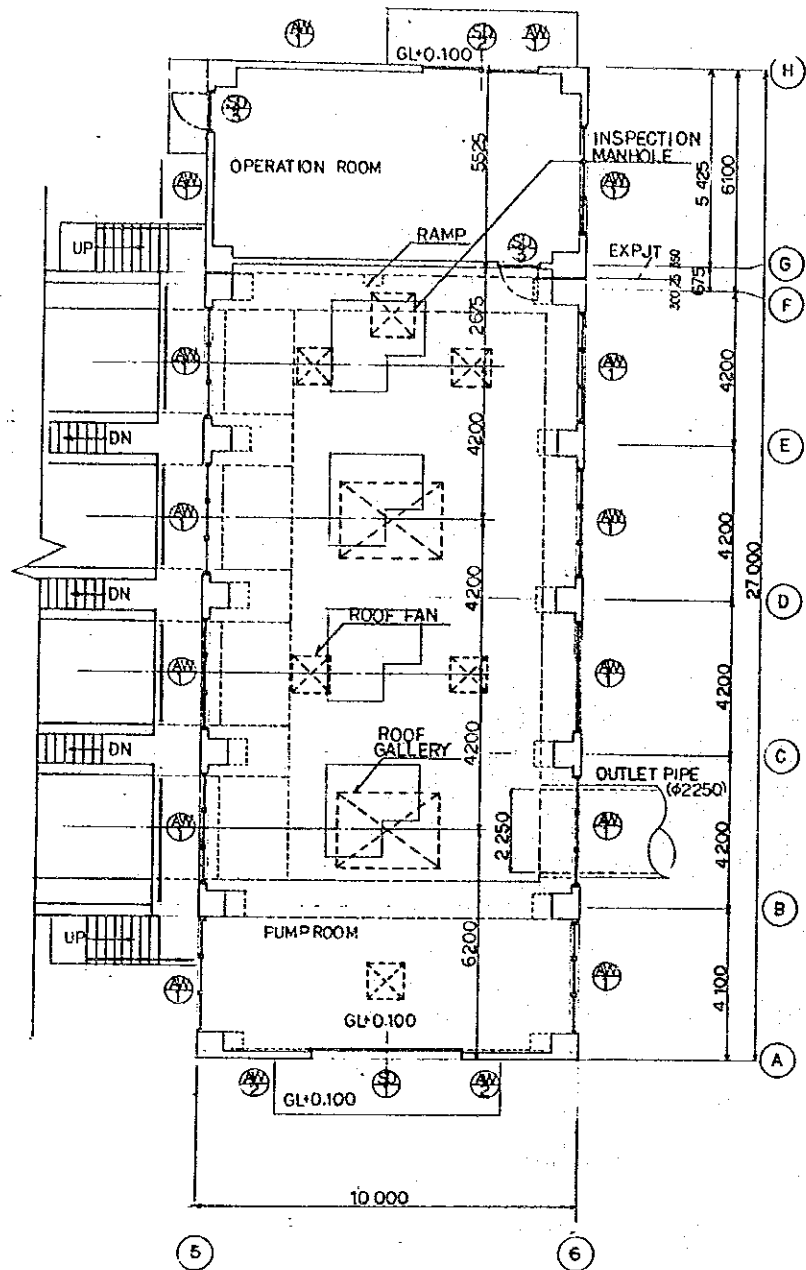
PUMP HOUSE--SOUTHWEST ELEVATION S=1:200



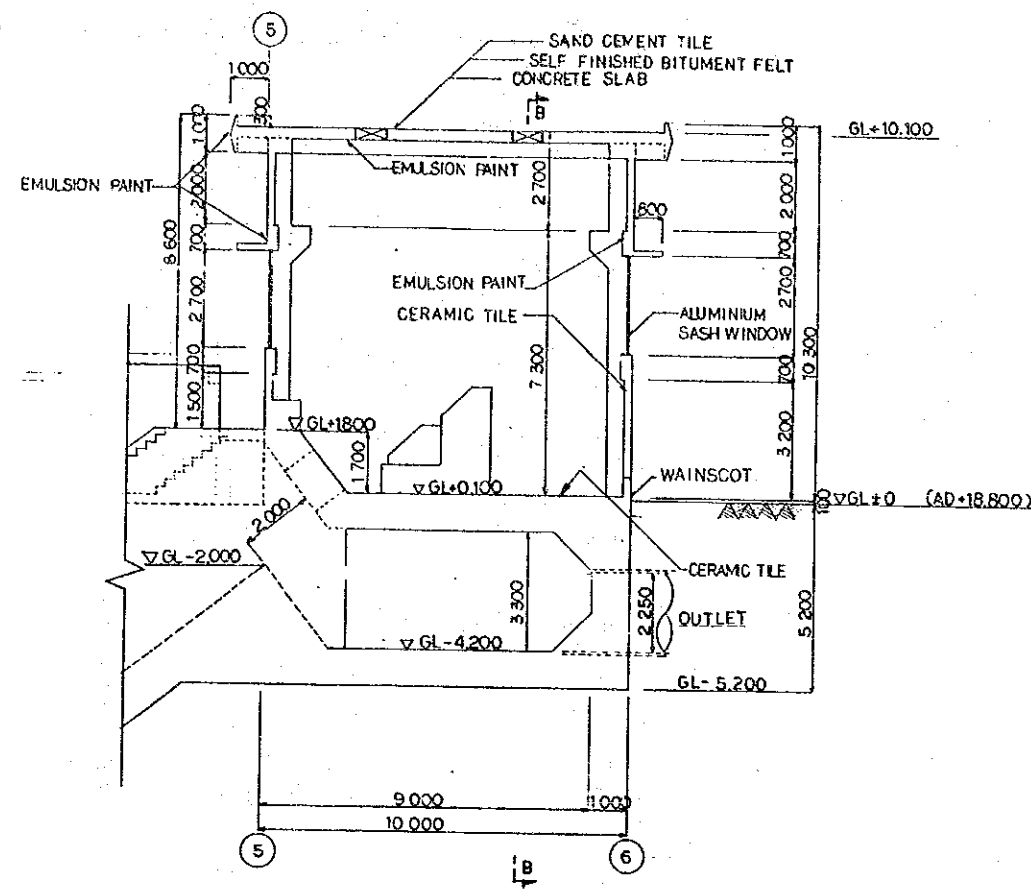
PUMP HOUSE--NORTHEAST ELEVATION S=1:200

PUMP HOUSE--NORTHWEST ELEVATION S=1:200

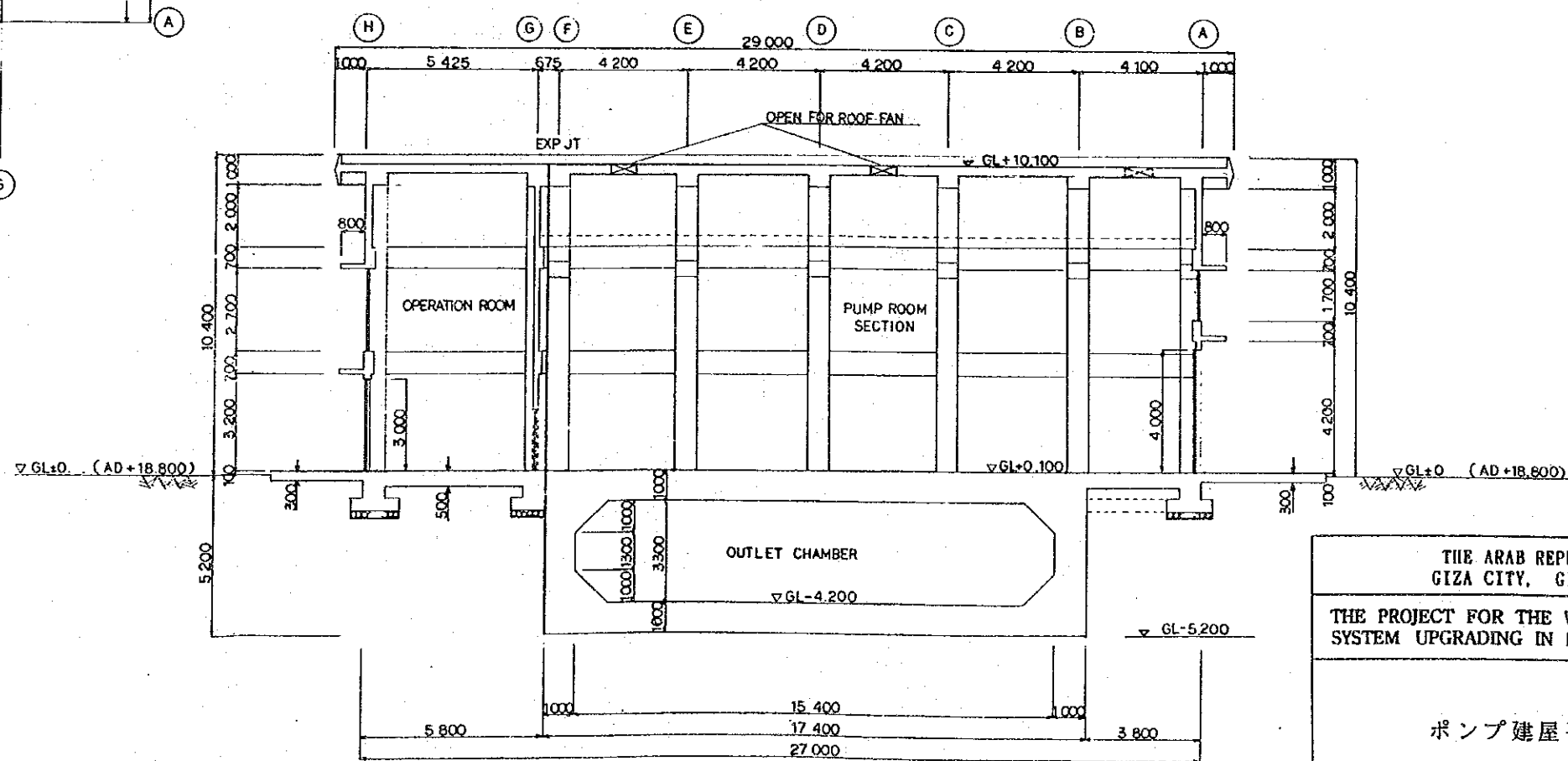
THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ポンプ建屋一立面図	SCALE
	AS SHOWN
	DRAWING NO. EGM-S-04
JAPAN INTERNATIONAL COOPERATION AGENCY	



PUMP HOUSE PLAN  
S=1:200



PUMP HOUSE - SECTION A-A S=1:200



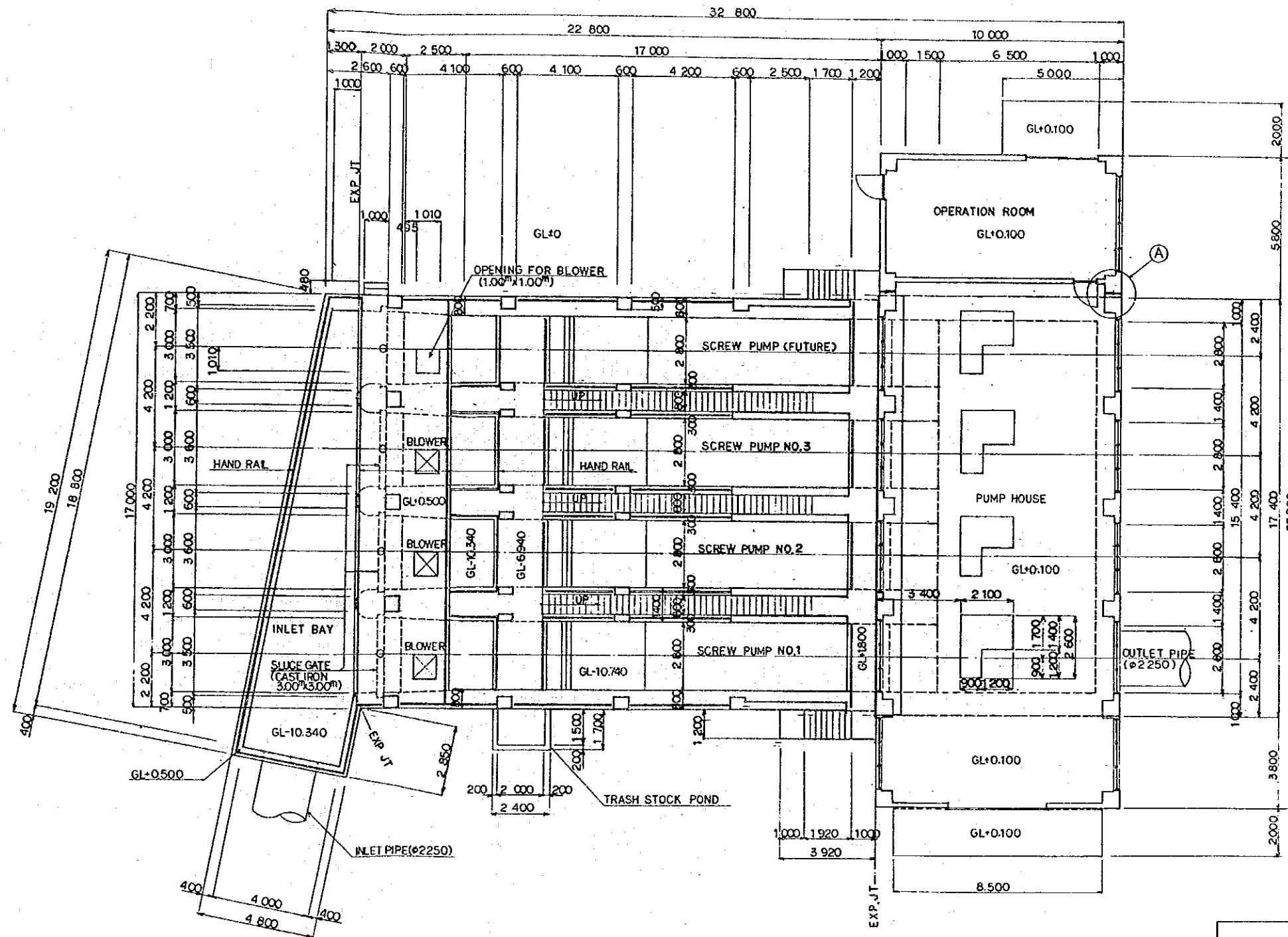
PUMP HOUSE - SECTION B-B S=1:200

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ポンプ建屋平断面図	SCALE
	AS SHOWN
	DRAWING NO. EGH-S-05
JAPAN INTERNATIONAL COOPERATION AGENCY	

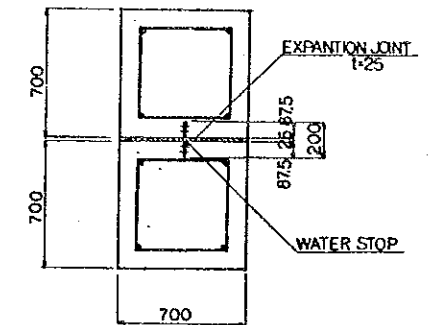
SEWER TRANSFER PUMP STATION NO. 5 (B) (1/4)

S=1:100

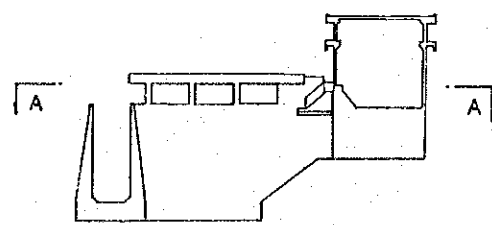
SECTION A—A



DETAIL (A) S=1:40



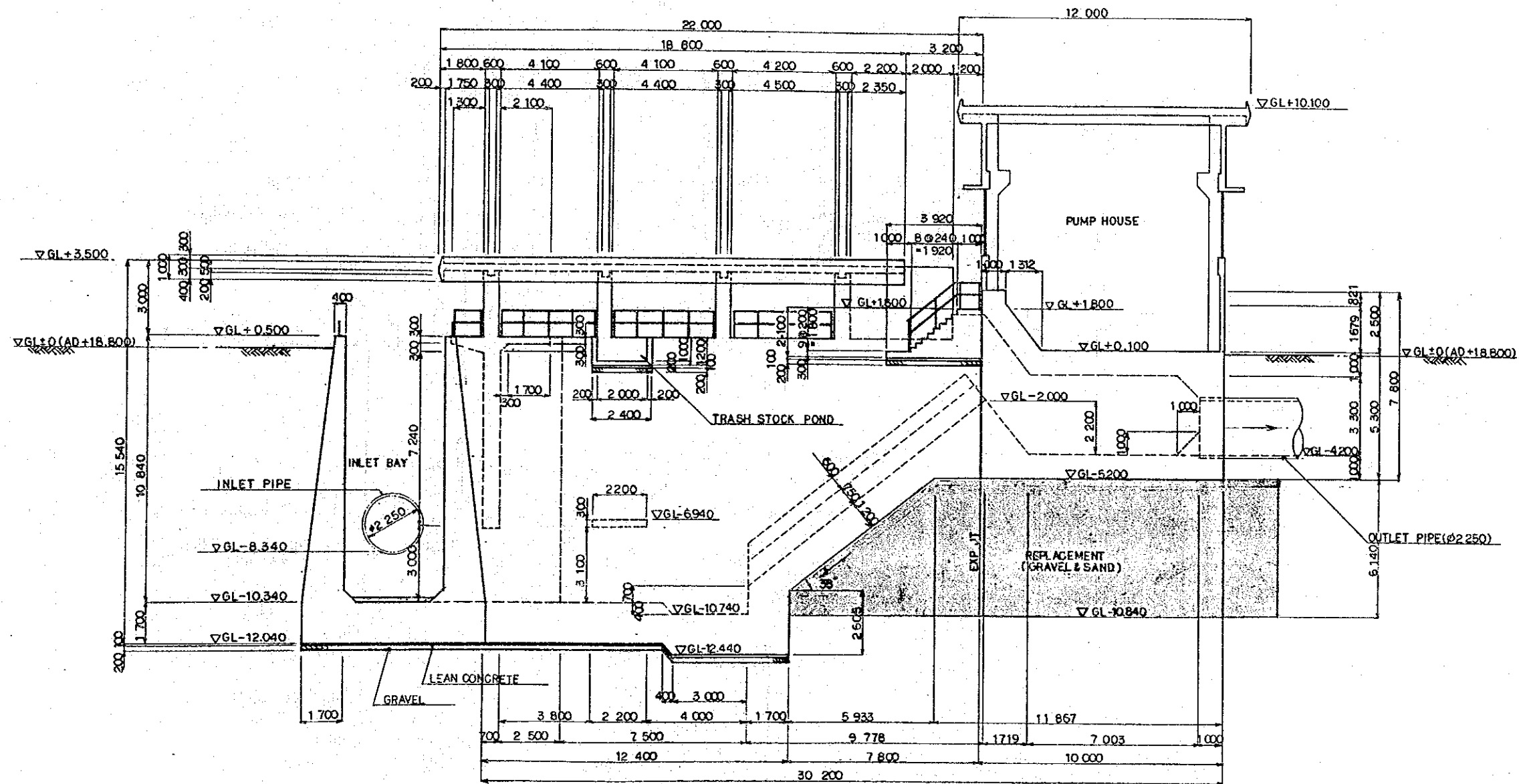
KEY PLAN



THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ポンプ場構造図(1/4)	SCALE
	AS SHOWN
	DRAWING NO. EGM-S-06
JAPAN INTERNATIONAL COOPERATION AGENCY	

SEWER TRANSFER PUMP STATION NO.5 (B) (2/4)  
S=1:100

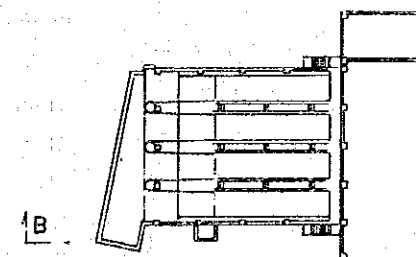
SECTION B - B



SOIL PROFILE

DEPTH	LEGEND	DESCRIPTION	N-VALUE
0 - 10			10 - 30
10 - 15			20 - 40
15 - 17			15
17 - 24		SILTY CLAY	9 - 12
24 - 27			27
27 - 33		FINE SAND WITH CLAY	33
33 - 36			36
36 - 15.00		SAND	

KEY PLAN



THE ARAB REPUBLIC OF EGYPT  
GIZA CITY, GIZA GOVERNORATE

THE PROJECT FOR THE WATER SUPPLY AND SEWER  
SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)

ポンプ場構造図(2/4)

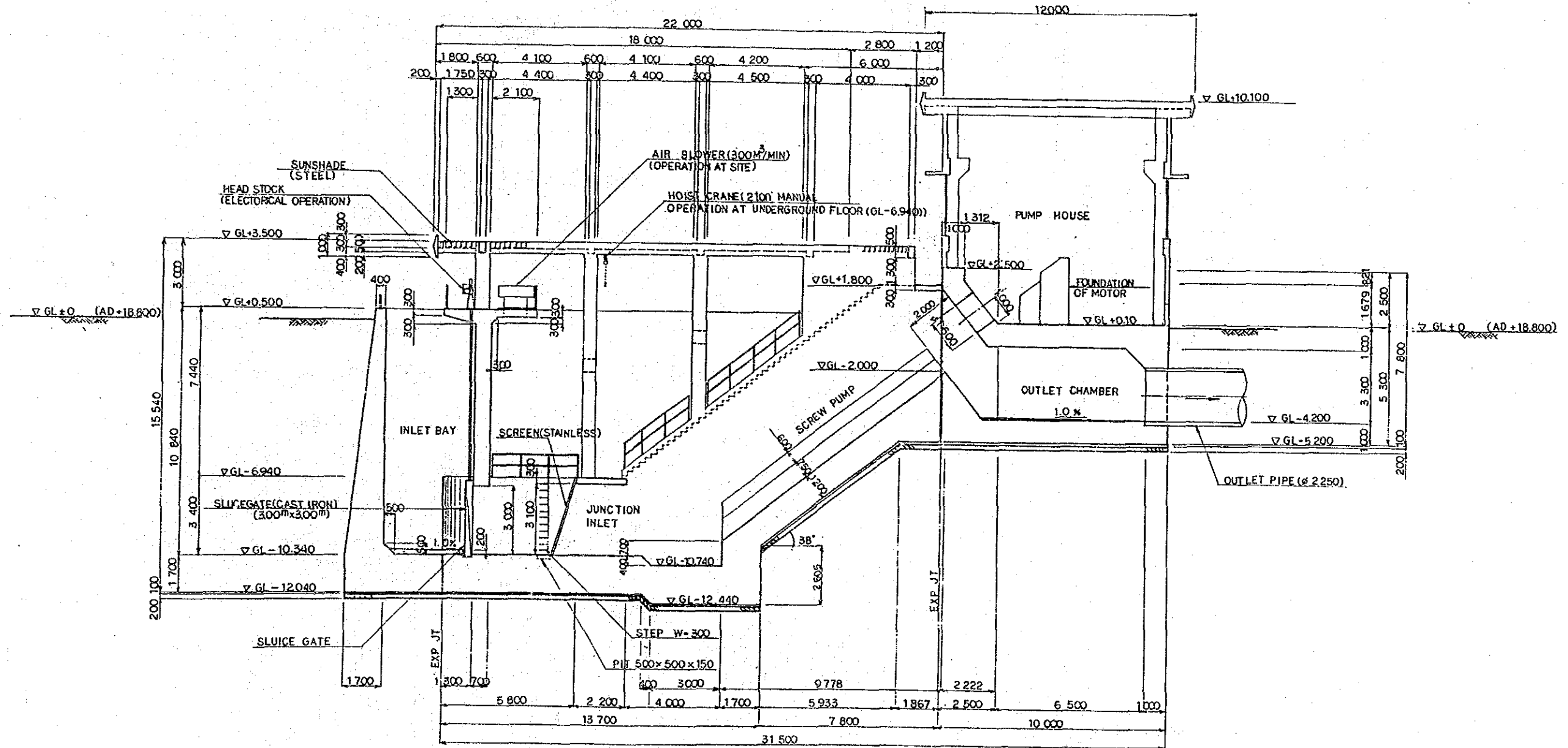
SCALE  
AS SHOWN  
DRAWING NO.  
EGM-S-07

JAPAN INTERNATIONAL COOPERATION AGENCY

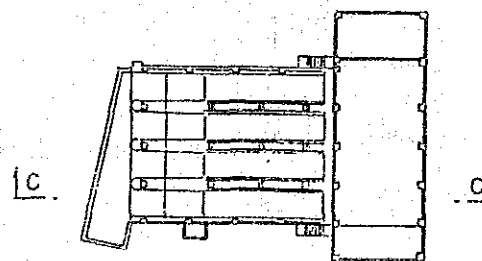
SEWER TRANSFER PUMP STATION NO.5 (B)(3/4)

5-1:200

SECTION C - C



KEY PLAN



THE ARAB REPUBLIC OF EGYPT  
GIZA CITY, GIZA GOVERNORATE

THE PROJECT FOR THE WATER SUPPLY AND SEWER  
SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)

ポンプ場構造図(3/4)

SCALE
AS SHOWN
DRAWING NO.
EGH-S-08

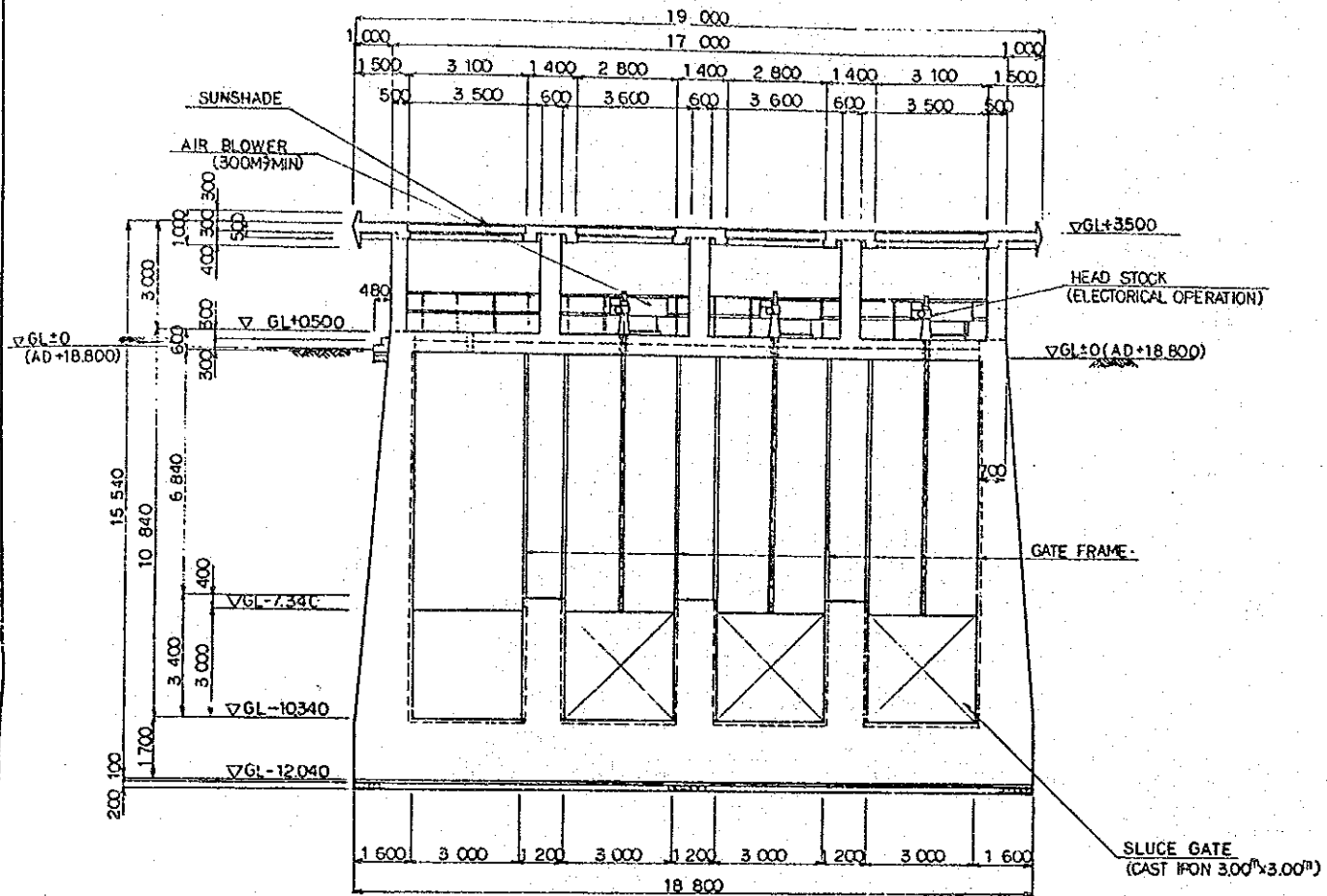
JAPAN INTERNATIONAL COOPERATION AGENCY



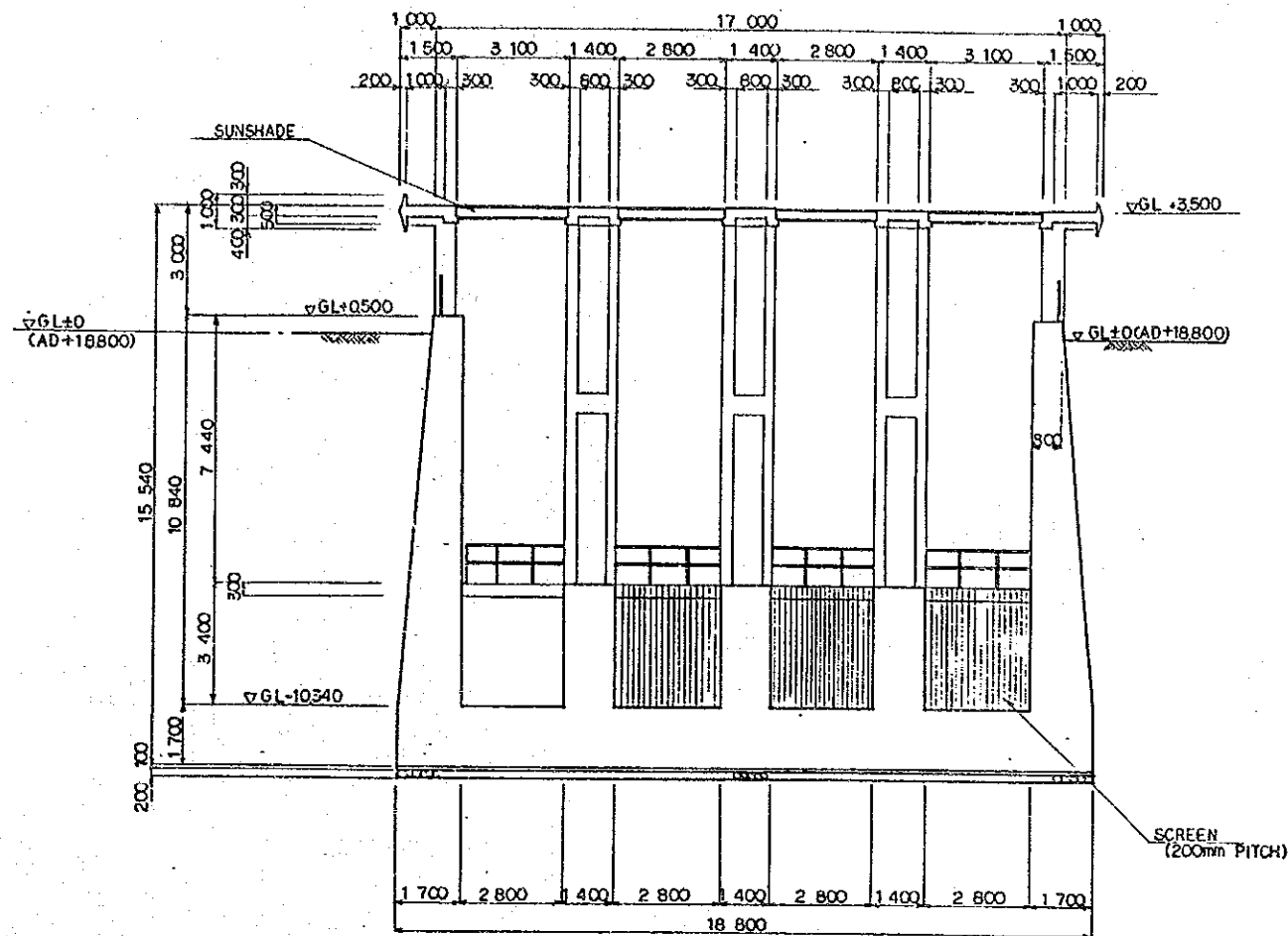
SEWER TRANSFER PUMP STATION NO.5 (B) (4/4)

1/5=1:200

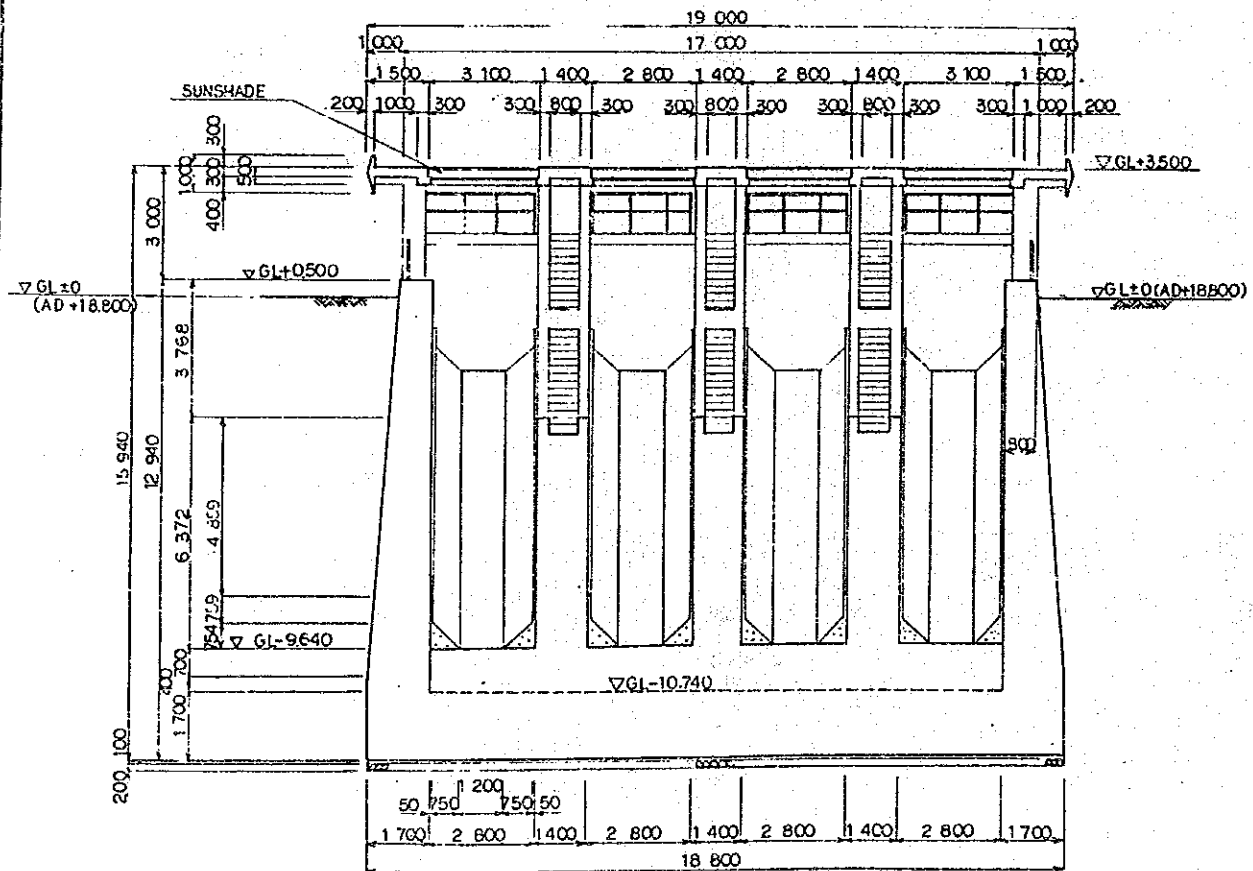
SECTION E-E



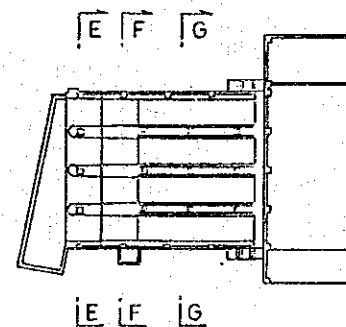
SECTION F-F



SECTION G-G

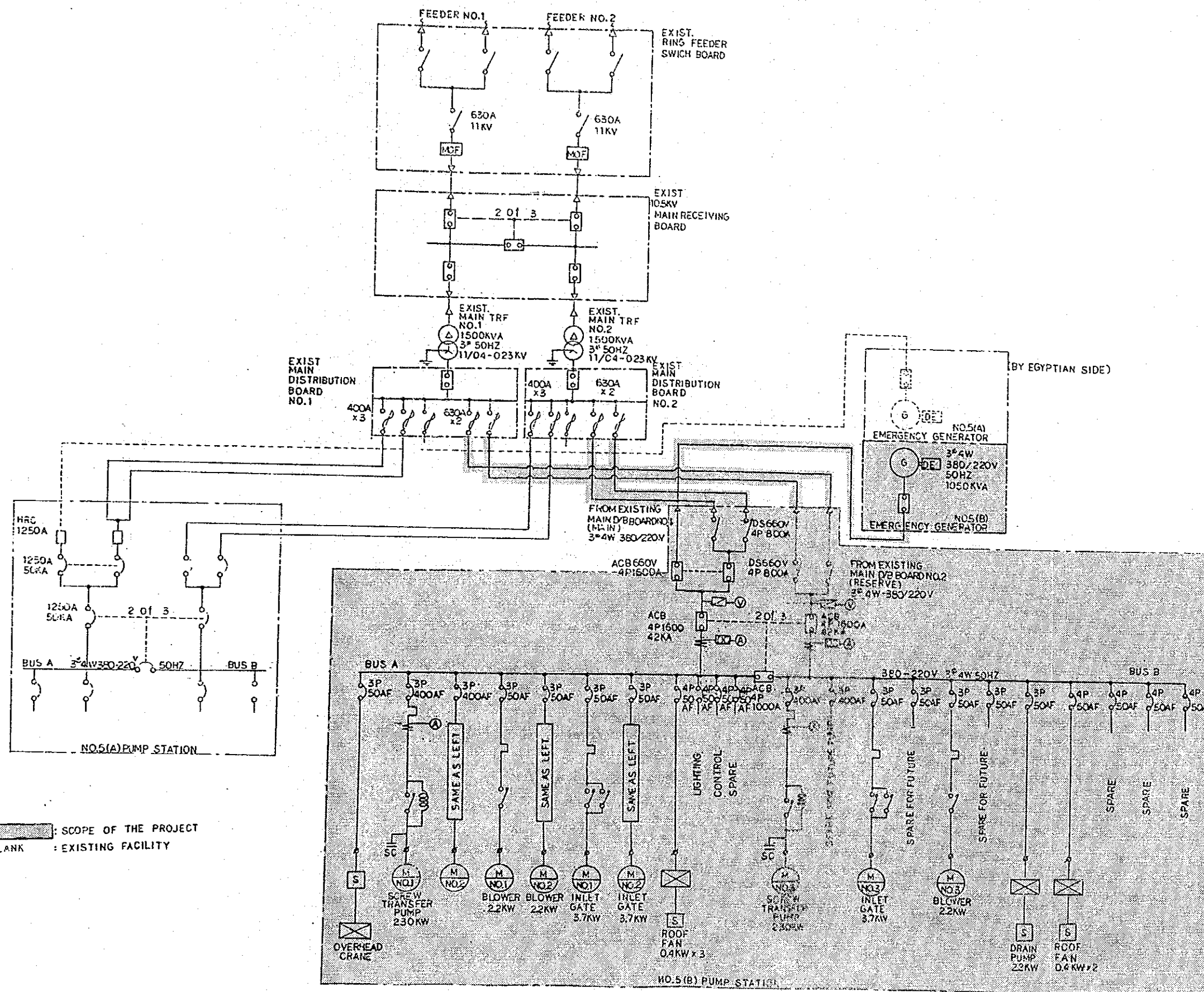


KEY PLAN



THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
ポンプ場構造図(4/4)	SCALE AS SHOWN
	DRAWING NO. EGM-S-09
	JAPAN INTERNATIONAL COOPERATION AGENCY

10.5KV DISTRIBUTION LINE  
(FROM CAIRO DISTRIBUTION COMPANY)  
10.5 KV 3 $\phi$  50HZ



REMARKS : : SCOPE OF THE PROJECT  
BLANK : EXISTING FACILITY

THE ARAB REPUBLIC OF EGYPT GIZA CITY, GIZA GOVERNORATE	
THE PROJECT FOR THE WATER SUPPLY AND SEWER SYSTEM UPGRADING IN MONIB, GIZA CITY (PHASE 2)	
単線結線図	SCALE NONE
	DRAWING NO. EGH-S-10
	JAPAN INTERNATIONAL COOPERATION AGENCY





