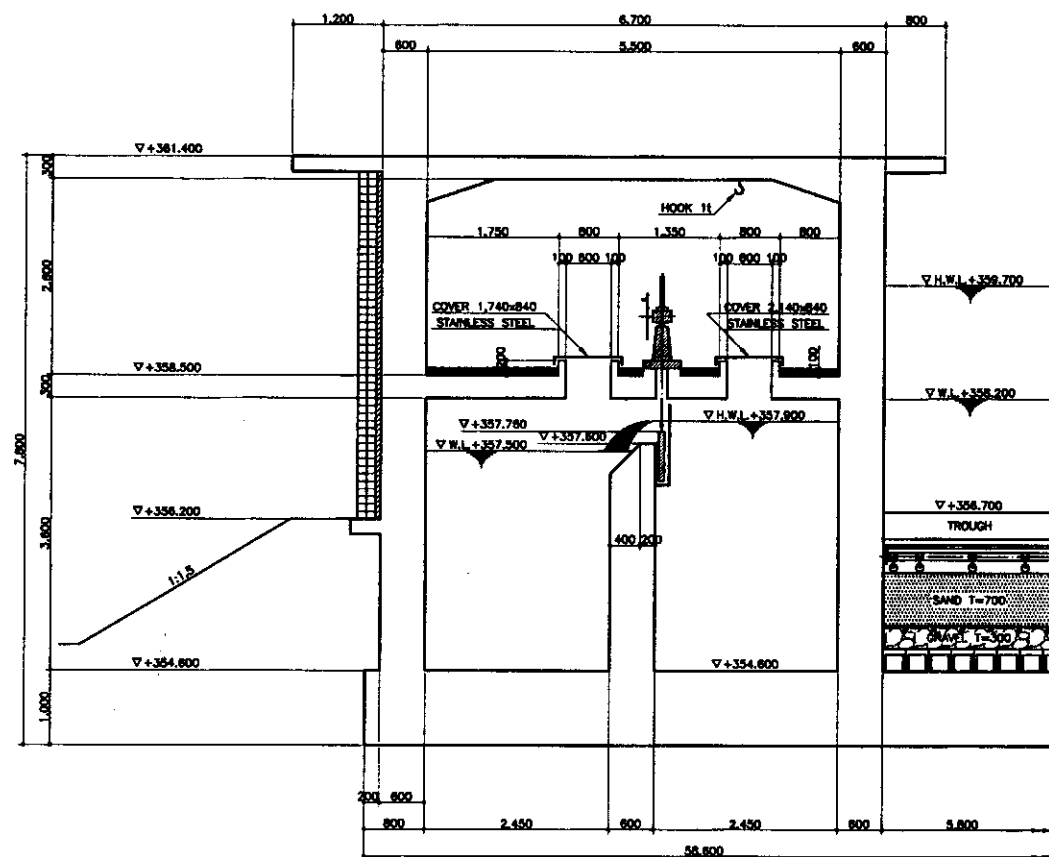
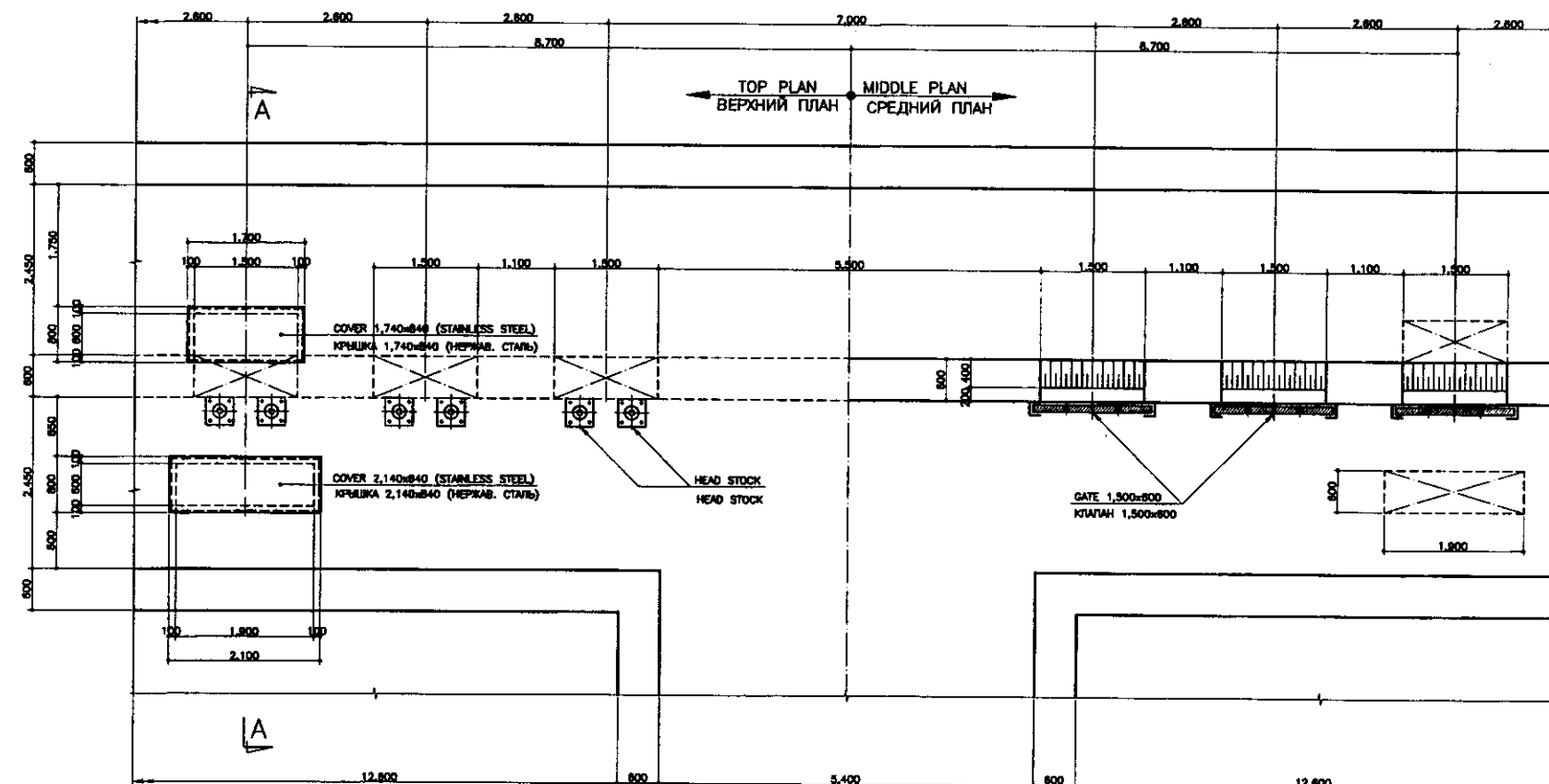




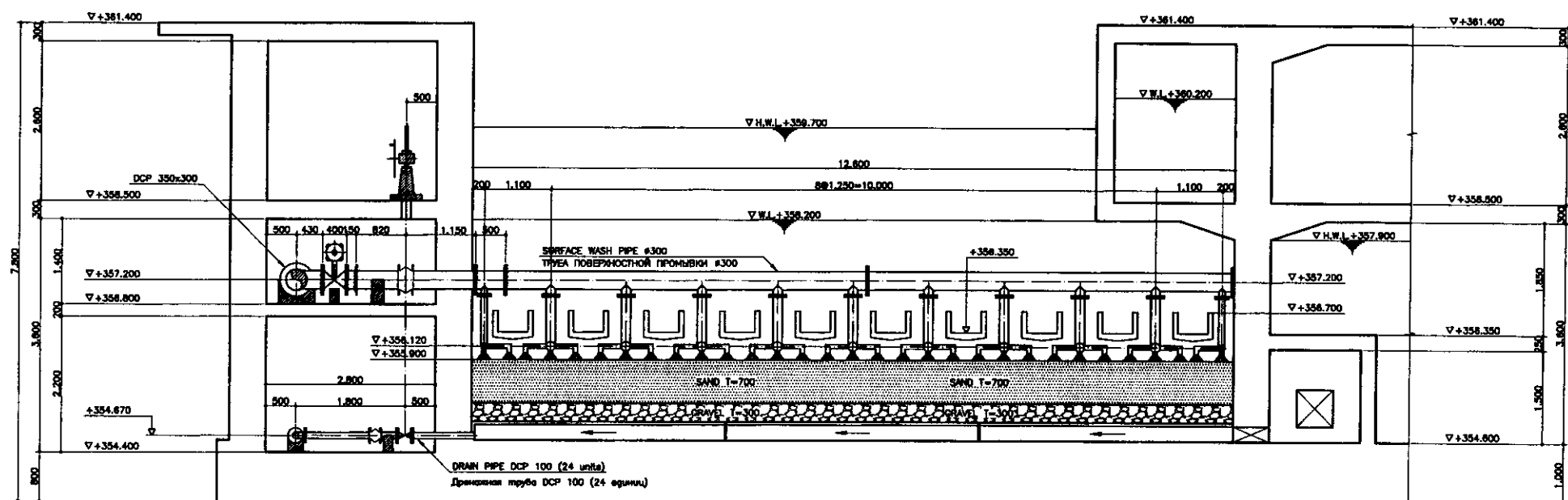
SECTION A-A
SCALE 1:50



TOP & MIDDLE PLAN
SCALE 1:50

DETAIL OF BACK WASH CONTROL GATE (10 units)
ДЕТАЛЬ КОНТРОЛЬНОГО КЛАПАНА ОБРАТНОГО КЛАПАНА (10 единиц)

SCALE 1:50



DETAIL OF SURFACE WASH PIPE (12 units)
ДЕТАЛЬ ТРУБЫ ПОВЕРХНОСТНОЙ ПРОМЫВКИ (12 единиц)

SCALE 1:50

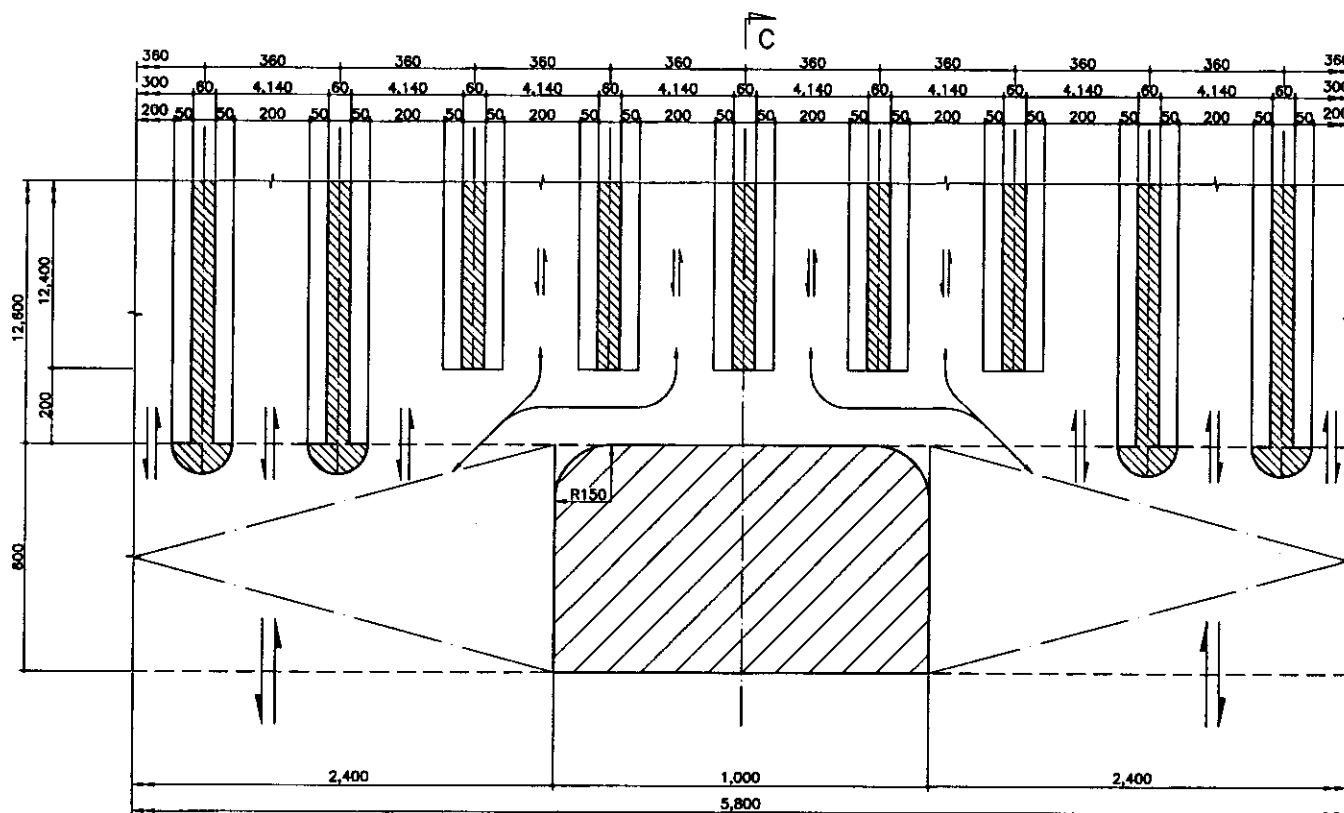
LEGEND

MECHANICAL EQUIPMENT
МЕХАНИЧ. ОБОРУДОВАНИЕ

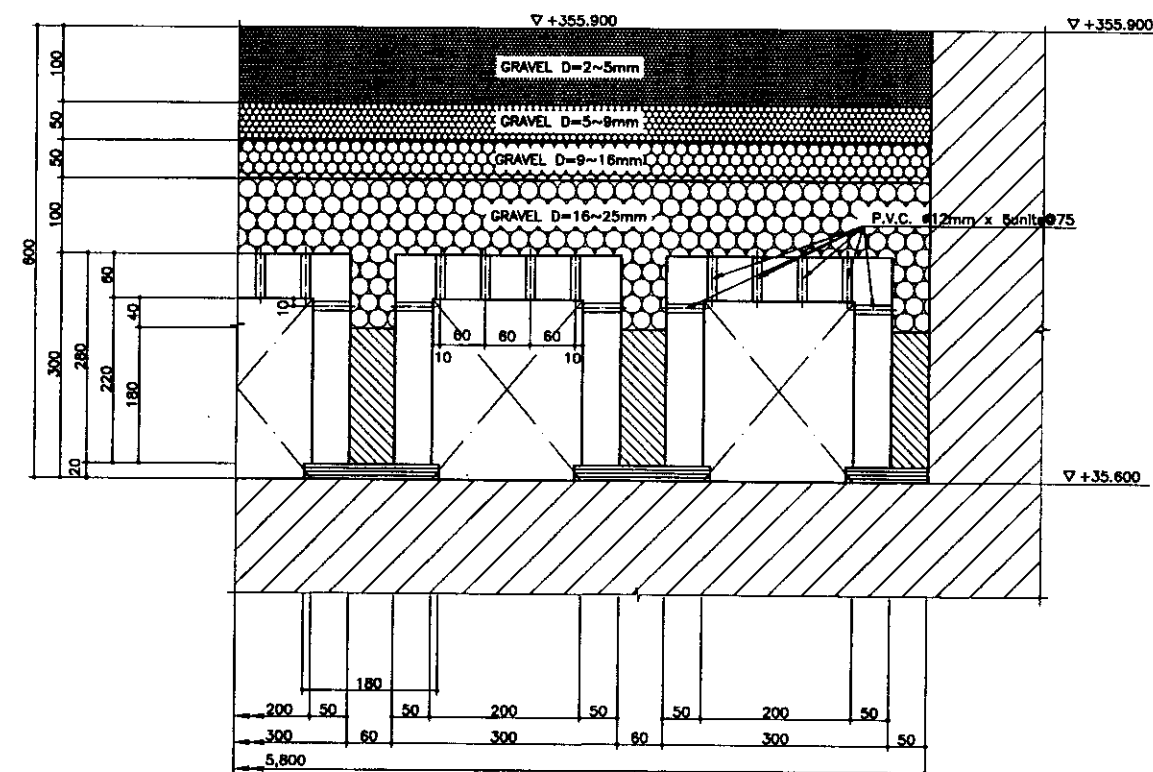
CDC КОРПОРАЦИЯ РАЗВИТИЯ
СТОЛИЦЫ
JICA JAPAN INTERNATIONAL
COOPERATION AGENCY
NJS NJS CONSULTANTS
CO., LTD. - JAPAN
NIHON SUIDO CONSULTANTS
CO., LTD. - JAPAN

Design Маст.	Check Провер.	Sheet Лист	Doc. No. Док. №	Signature Подпись	Date Дата
Designed by М. Морозов М. Прокопьев	Checked by Т. Кирюхи Т. Кирюхи	73-09			

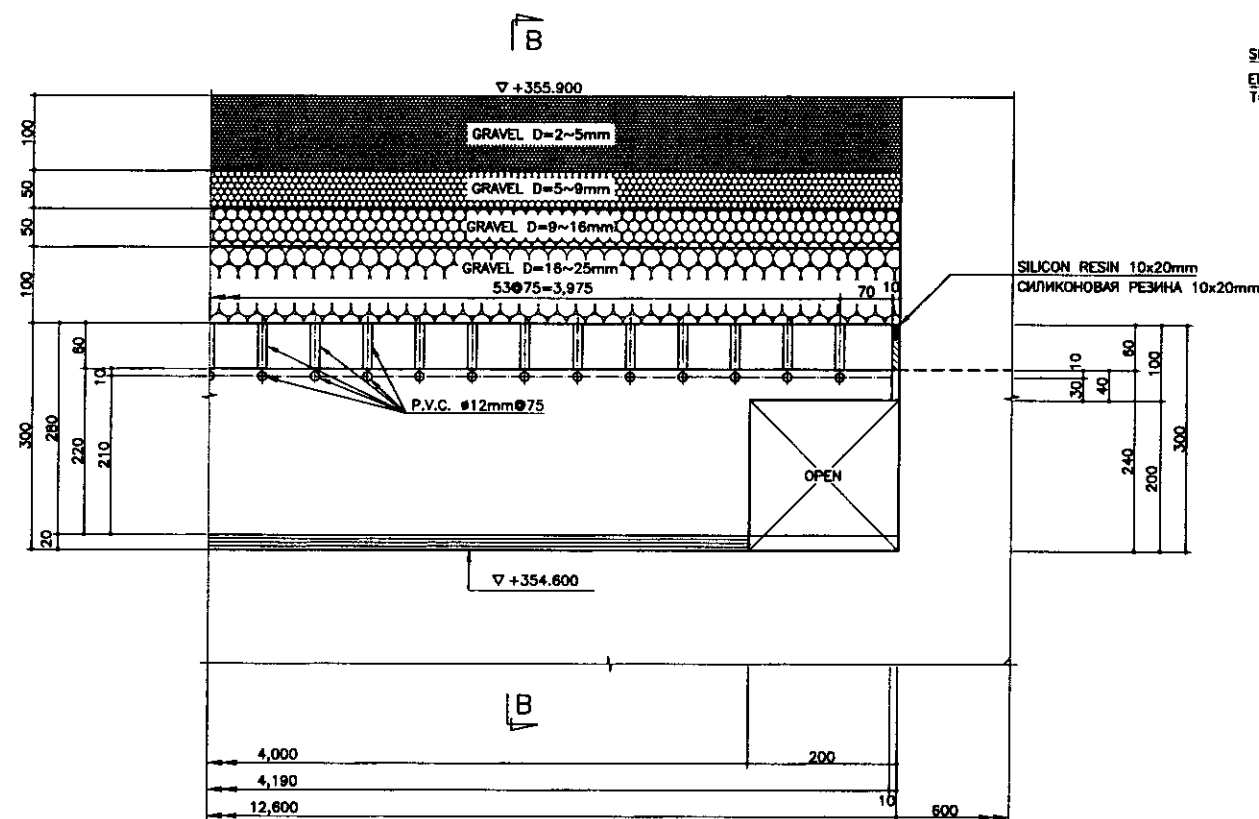
ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"			
RAPID SAND FILTER СКОРЫЙ ПЕСЧАНЫЙ ФИЛЬТР И ХЛОРАЦИЯ		Sheet Лист	Sheets Листы
CONTROL GATE/SURFACE WASH PIPE ПЛАН, ПЛАН НАДЗЕМНОЙ ЧАСТИ, <td>9</td> <td>20</td>		9	20
W34-C-09 SCALE 1:50			



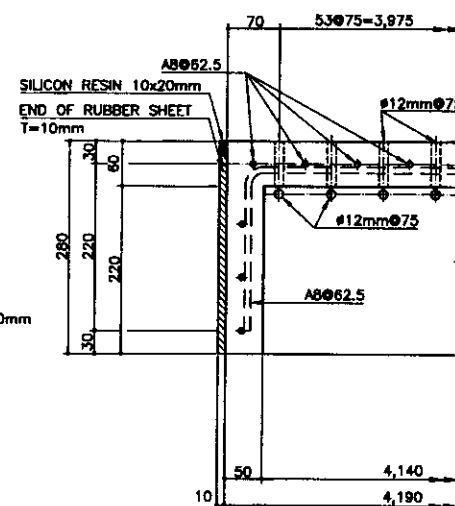
DETAIL C
SCALE 1:10



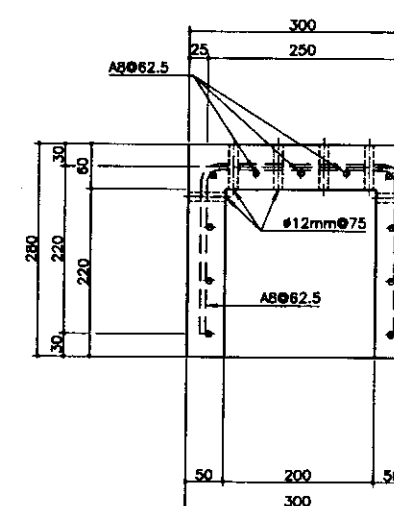
SECTION B-B
SCALE 1:5



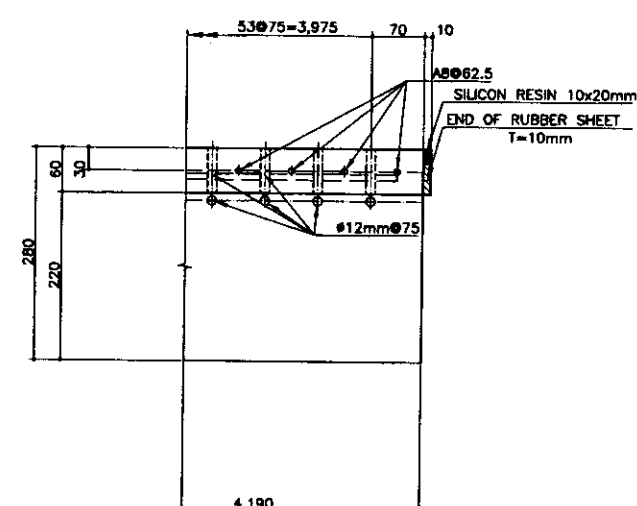
SECTION C-C
SCALE 1:5



SIDE VIEW (DEAD END)
ВИД СТОРОНЫ (КОНЕЦ)



SECTION
РАЗРЕЗ

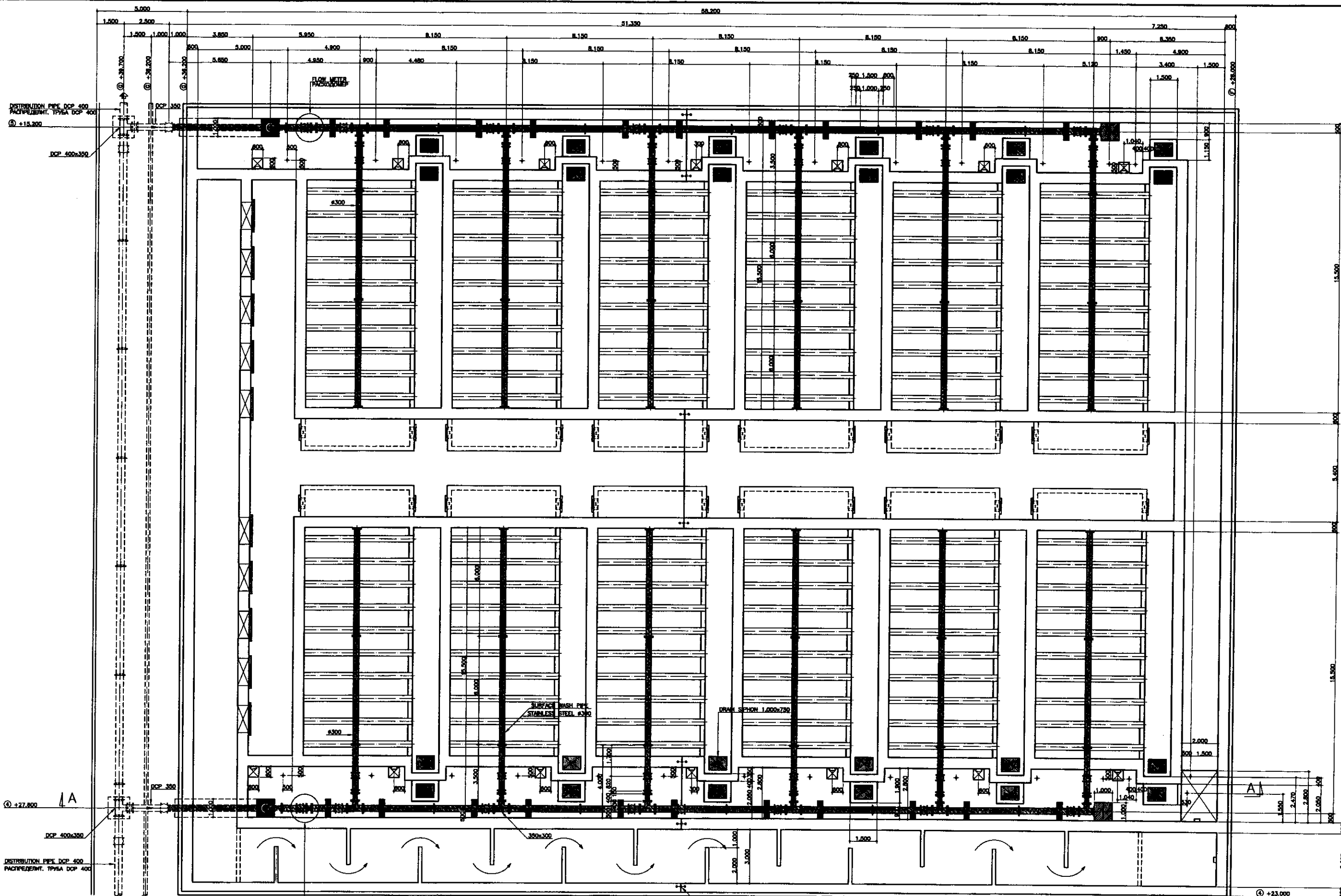


SIDE VIEW (ENTRANCE)
ВИД СТОРОНЫ (НА ВХОДЕ)

TYPICAL PRECAST CONCRETE UNDER DRAIN UNIT/
ТИПОВОЙ ЖЕЛЕЗОБЕТОН ПОД ДРЕНАЖНОЕ УСТРОЙСТВО

SCALE 1:5

	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ				ASTANA WATER SUPPLY AND SEWERAGE PROJECT			
	JAPAN INTERNATIONAL COOPERATION AGENCY				ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"			
	NJS CONSULTANTS CO., LTD. - JAPAN				RAPID SAND FILTER			
	NIHON SUIDO CONSULTANTS CO., LTD. - JAPAN				СКОРЫЙ ПЕСЧАНЫЙ ФИЛЬТР И ХЛОРИДАЦИЯ			
Designed by	Sheet No.	Doc. No.	Signature	Date	Scale	Sheet No.	Sheets	
Checked by	11	11	11	11	1:10, 1:5	11	20	
DETAIL OF UNDER DRAIN-2					ПЛАН, ПЛАН НАДЗЕМНОЙ ЧАСТИ			



MIDDLE PLAN (2)
ПЛАН СРЕДНЕЙ ЧАСТИ

SCALE 1:100

LEGEND



MECHANICAL EQUIPMENT
МЕХАНИЧ. ОБОРУДОВАНИЕ

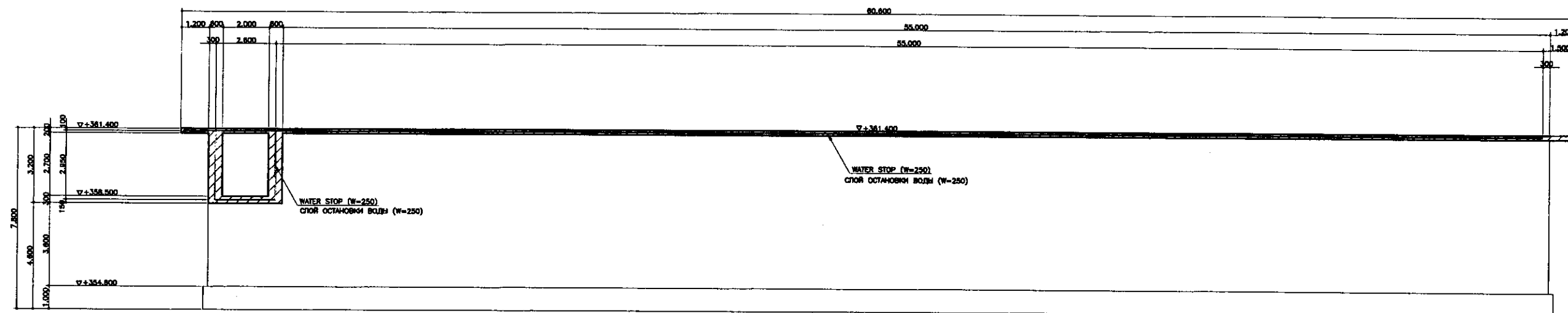


КОРПОРАЦИЯ РАЗВИТИЯ
СТОЛИЦЫ
JAPAN INTERNATIONAL
COOPERATION AGENCY
NJS CONSULTANTS
CO., LTD. - JAPAN
NIHON SUIDO CONSULTANTS
CO., LTD. - JAPAN

Design	Check	Sheet	Doc. No.	Signature	Date
Chief Engineer	M. Morozov	12	73-57		
Deputy	I. Kiguchi				
Designed by	M. Fujiwara				
Checked by					

ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"					
RAPID SAND FILTER СКОРЫЙ ПЕСЧАНЫЙ ФИЛЬТР И ХЛОРИДАЦИЯ				Stage	Sheet
PLAN OF SURFACE WASH PIPE ПЛАН СРЕДНЕЙ ЧАСТИ				12	20
				W34-C-12 SCALE 1:100	

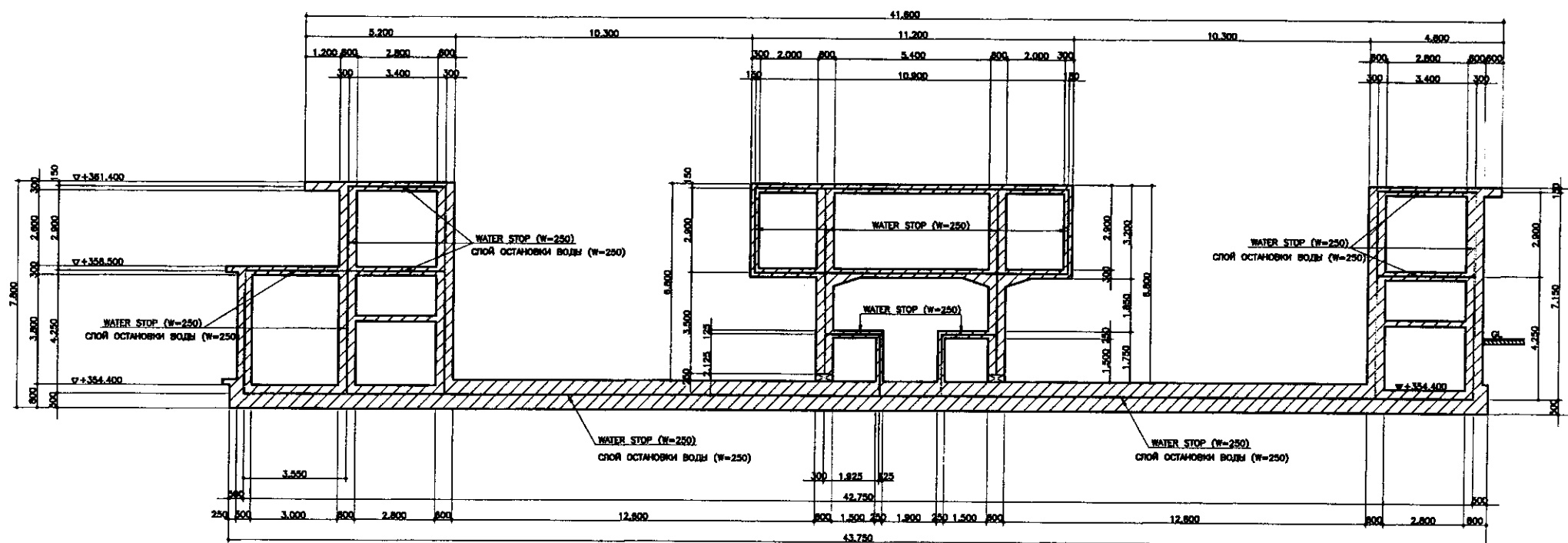
Approved/Comments	
Checked/Signature and Date	
Designed/Signature and Date	



SECTION A-A / PAЗPEЗ A-A (L=66.100m)

SCALE 1:100

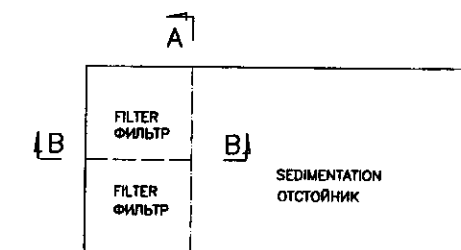
- WATER STOP L=67.0m
- ELASTITE S=17.0m
- СЛОЙ ОСТАНОВКИ ВОДЫ L=67.0m
- ЭЛАСТИЧНЫЙ СЛОЙ S=17.0m



SECTION B-B / PAЗPEЗ B-B (L=149.050m)

SCALE 1:100

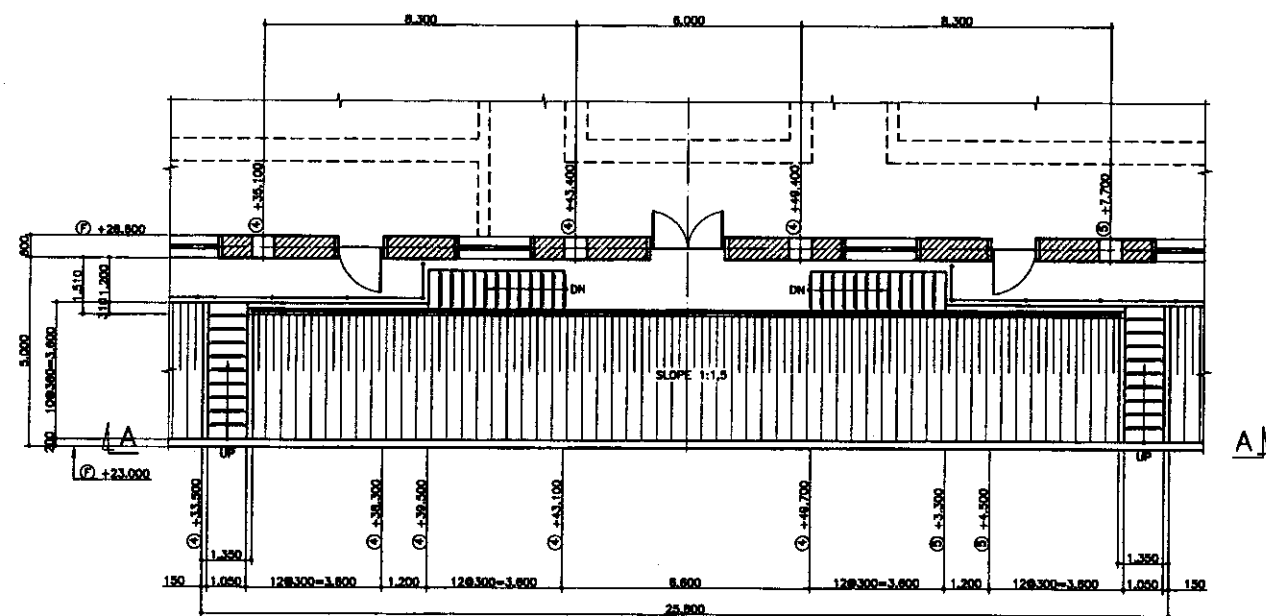
- WATER STOP L=150.0m
- ELASTITE S=77.0m
- СЛОЙ ОСТАНОВКИ ВОДЫ L=150.0m
- ЭЛАСТИЧНЫЙ СЛОЙ S=77.0m



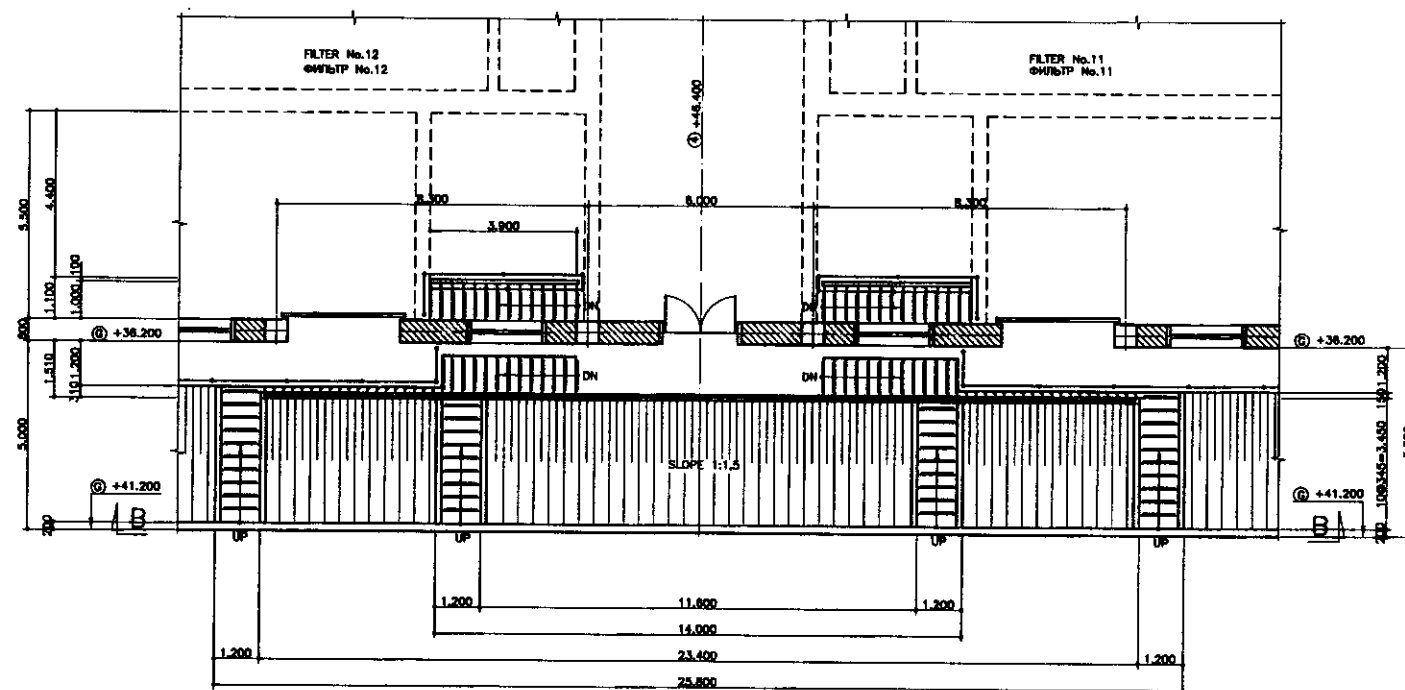
KEY PLAN
КЛЮЧЕВОЙ ПЛАН

Approved/Согласовано	
Checked/Проверено	
Designed/Проектировано	
Drawn/Нанесено	
Reviewed/Проверено	
Signature and Date	
Initials and Date	

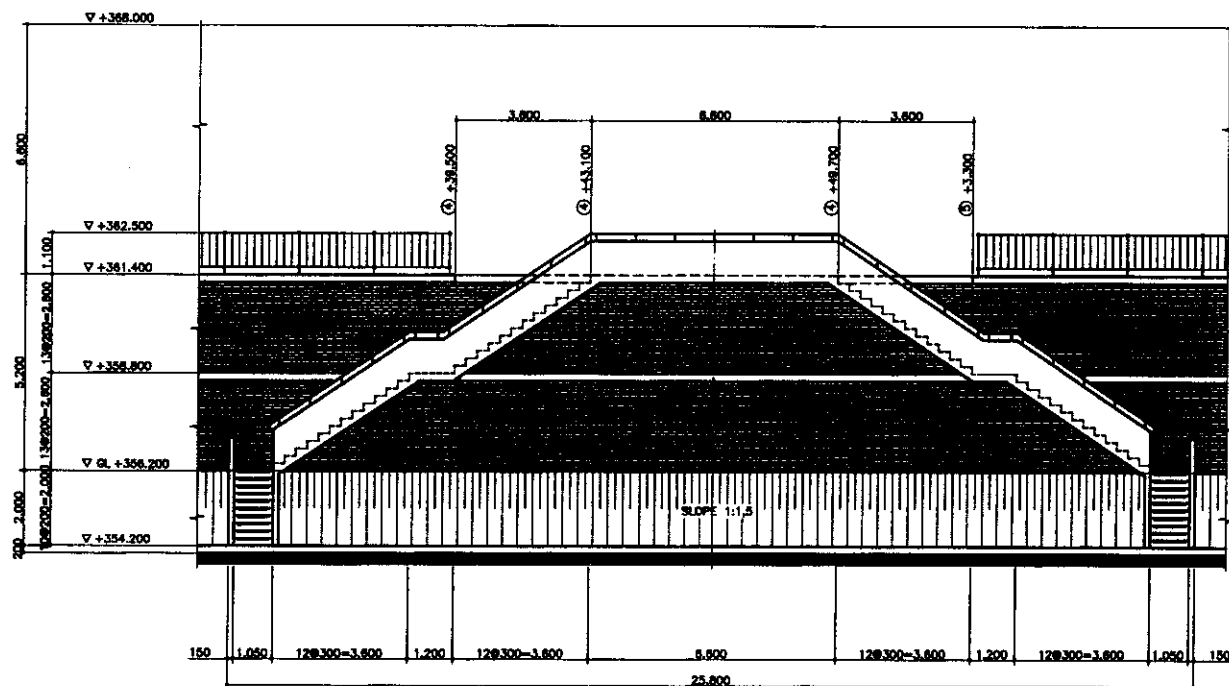
	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN	ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"	RAPID SAND FILTER СКОРЫЙ ПЕСЧАНЫЙ ФИЛЬТР	SECTION OF EXPANSION JOINT РАЗРЕЗЫ ПО ДЕФОРМАЦИОННОМУ ШВУ	W34-C-15 SCALE 1:100
Designed/Проектант	Sheet/Лист	Doc.No./Документ №	Signature/Подпись	Date/Дата	
Chief Engineer/Главный инженер	1	1			
Deputy/Заместитель	1	1			
Designed by/Проектировал	1	1			
Checked by/Проверено	1	1			



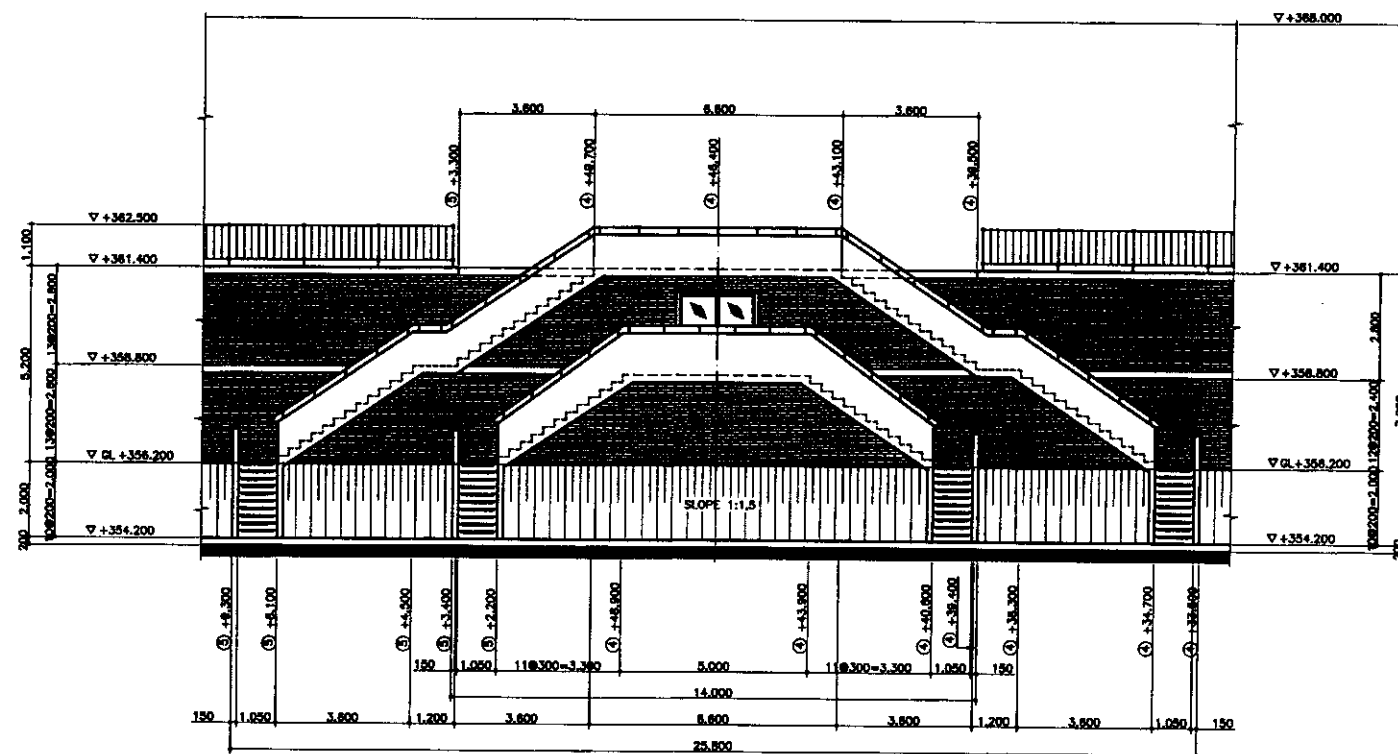
TOP PLAN
SCALE 1:100



TOP PLAN
SCALE 1:100



SECTION A-A
SCALE 1:100



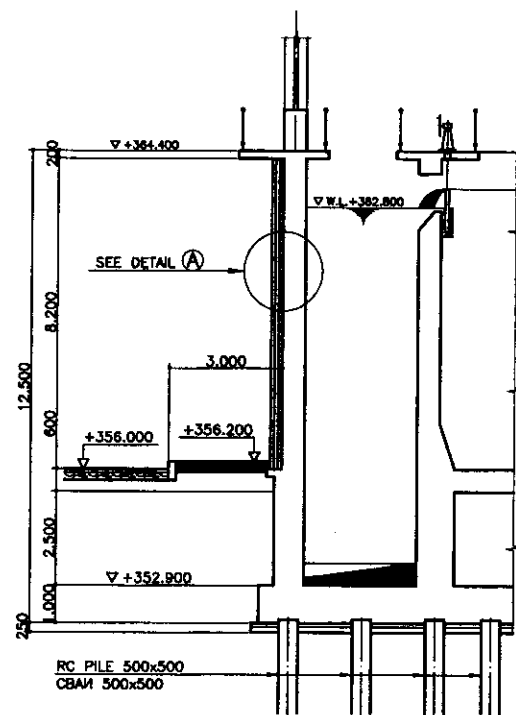
SECTION B-B
SCALE 1:100



КОРПОРАЦИЯ РАЗВИТИЯ
СТОЛИЦЫ
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY
NJS CONSULTANTS
CO., LTD. - JAPAN
NIHON SUIDO CONSULTANTS
CO., LTD. - JAPAN

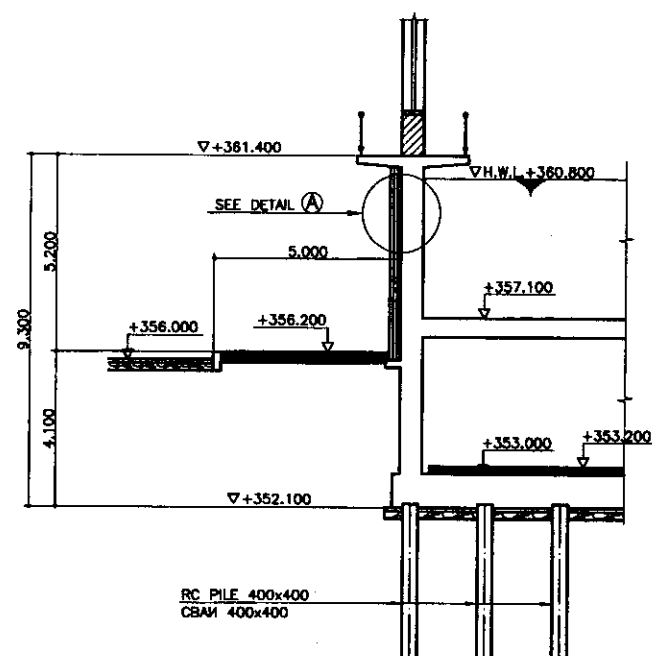
Design	Quantity	Sheet	Doc. No.	Signature	Date
Chief Engineer	1	1	1		
Deputy Engineer	1	1	1		
Deputy Engineer	1	1	1		
Designed by	1	1	1		
Checked by	1	1	1		

ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"			
Sheet	Sheet	Sheet	Sheet
16	16	16	16
W34-C-15 SCALE 1:100			



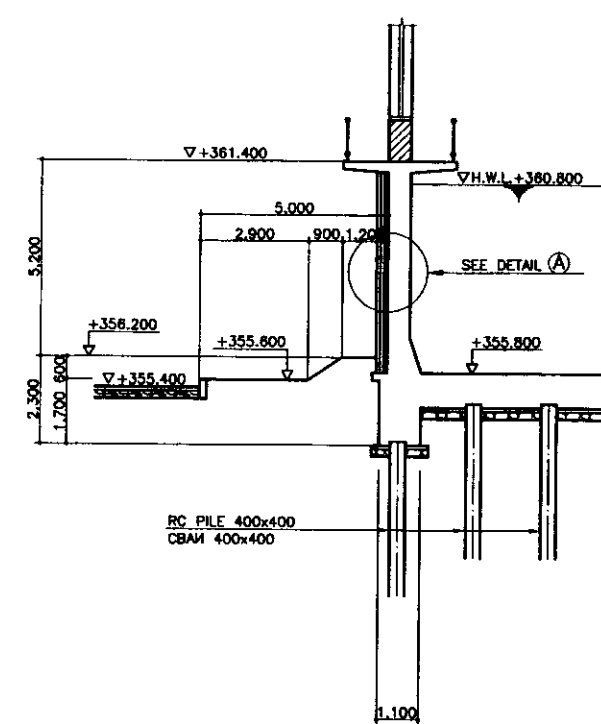
DISTRIBUTION CHAMBER
РАСПРЕДЕЛИТЕЛЬНАЯ КАМЕРА

SCALE 1:100



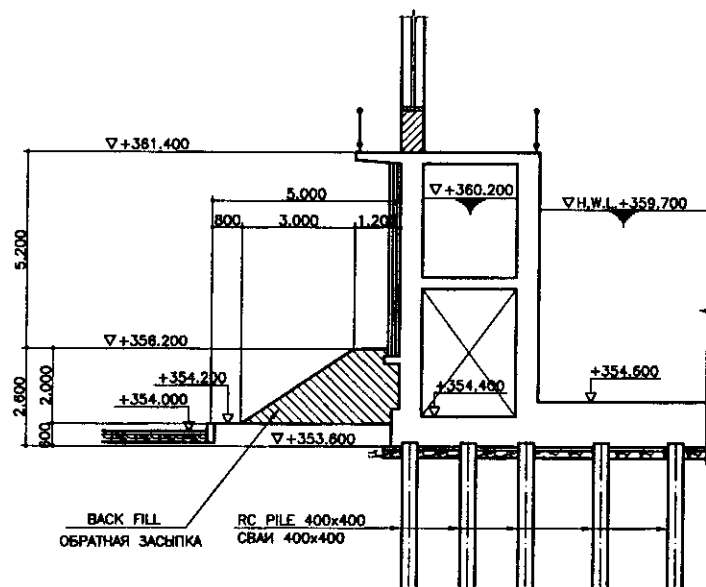
FLOCCULATION BASIN
ЕМКОСТЬ ФЛОКУЛЯНТА

SCALE 1:100



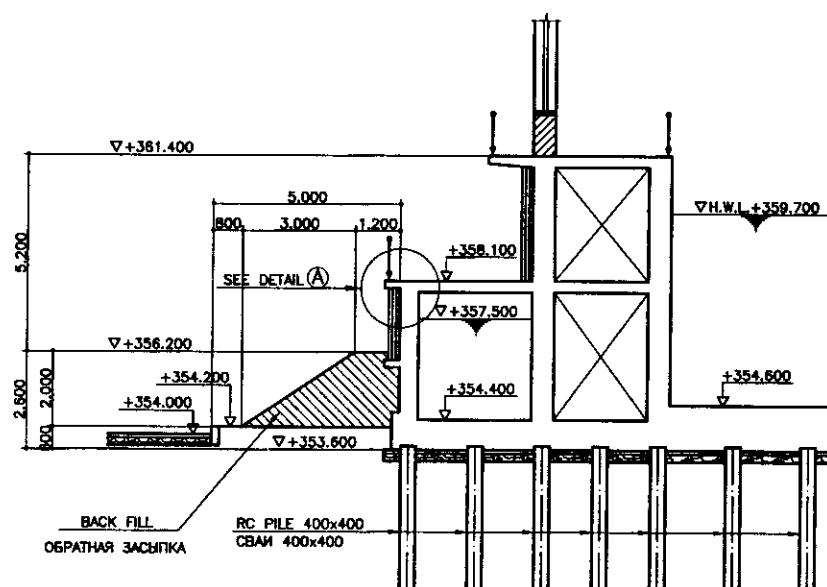
SEDIMENTATION BASIN
ОТСТОЙНИК

SCALE 1:100



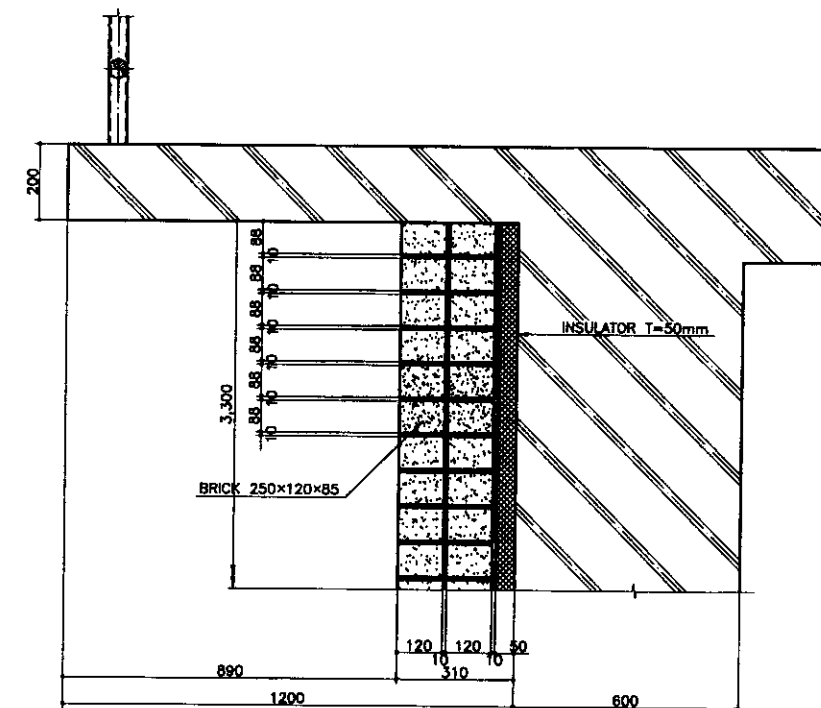
RAPID SAND FILTER
СКОРЫЙ ПЕСОЧНЫЙ ФИЛЬТР

SCALE 1:100



CHLORINATION BASIN
ЕМКОСТЬ ХЛОРИРОВАНИЯ

SCALE 1:100



DETAIL (A)

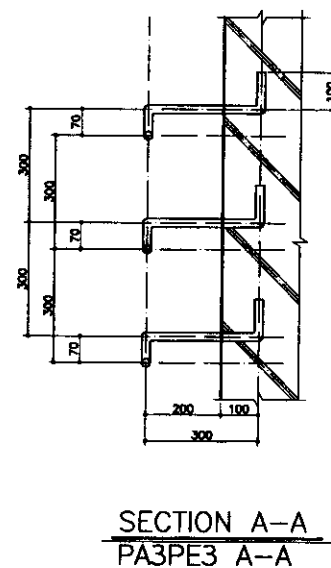
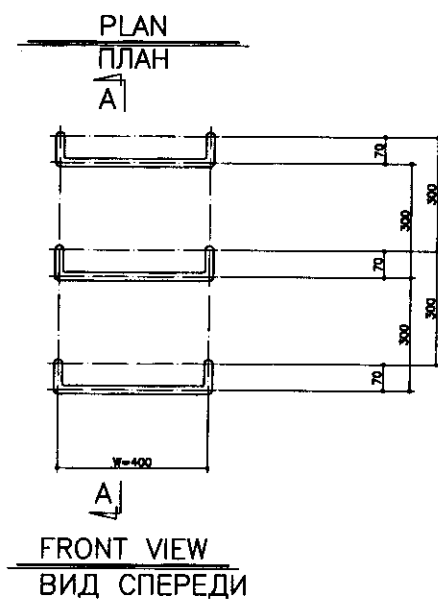
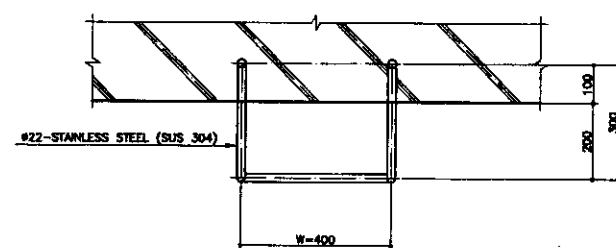
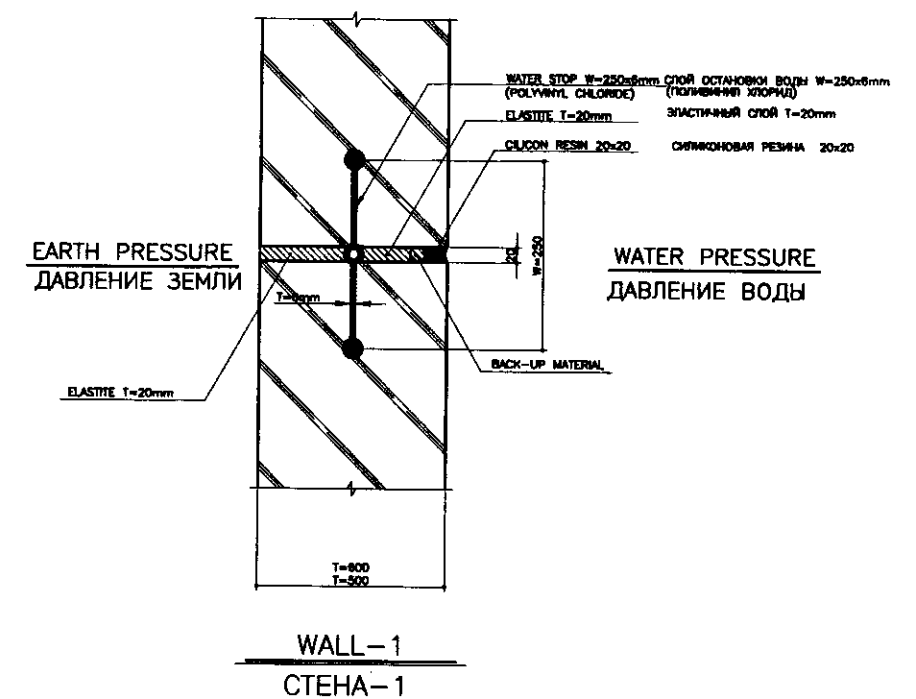
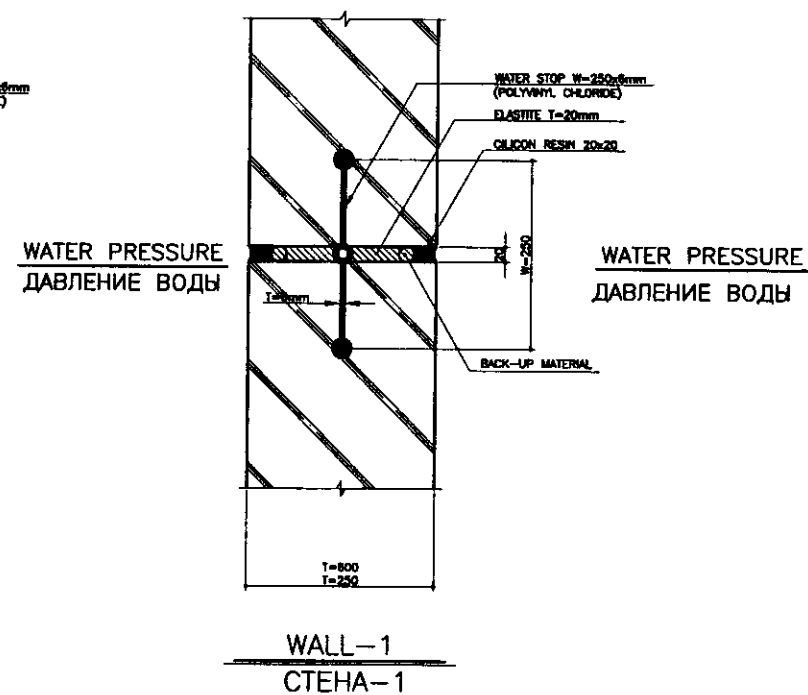
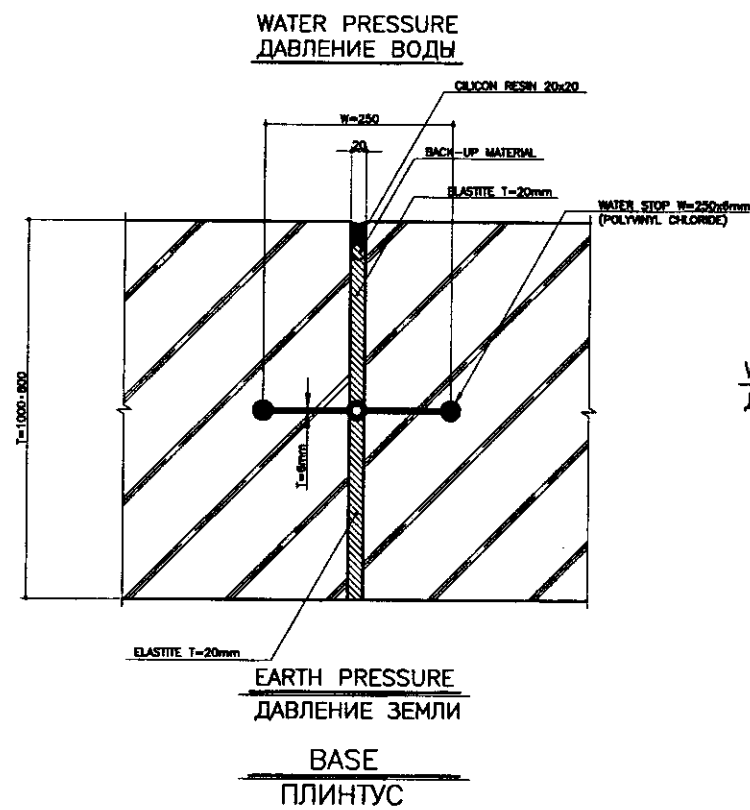
SCALE 1:10



КОРПОРАЦИЯ РАЗВИТИЯ
СТОЛИЦЫ
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY
NJS CONSULTANTS
CO., LTD. - JAPAN
NIHON SUIDO CONSULTANTS
CO., LTD. - JAPAN

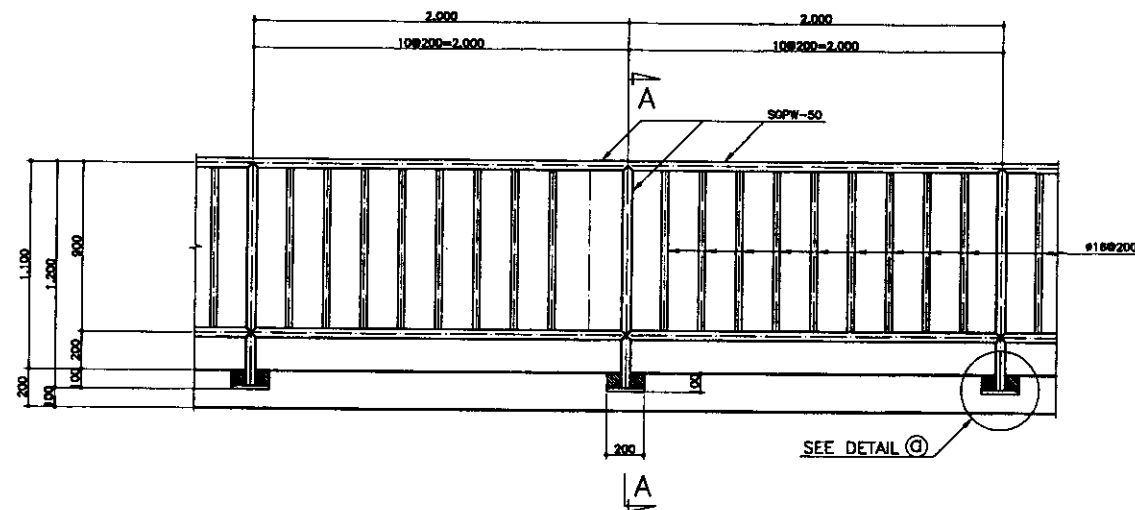
Design	Quantity	Sheet	Doc. No.	Signature	Date
Chief Engineer	M. Morozov	17	73-99		
Deputy Engineer	T. Kiyuchi	17	73-99		
Designed by	M. Fujiwara	17	73-99		
Checked by	M. Fujiwara	17	73-99		

ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"			
TYPICAL DRAWING ТИПОВЫЙ ЧЕРТЕЖ		Scale	Sheet
		17	20
CONCRETE PROTECTION ЗАЩИТА БЕТОНА		W34-C-17 SCALE 1:100, 1:10	

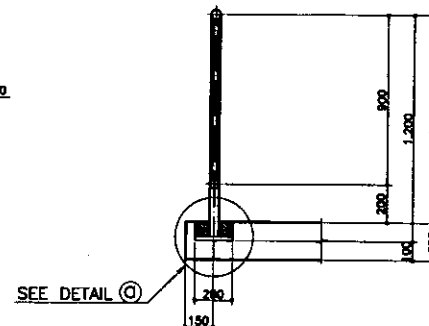


DETAIL OF STEP LADDER
ДЕТАЛЬ ЛЕСТНИЦЫ

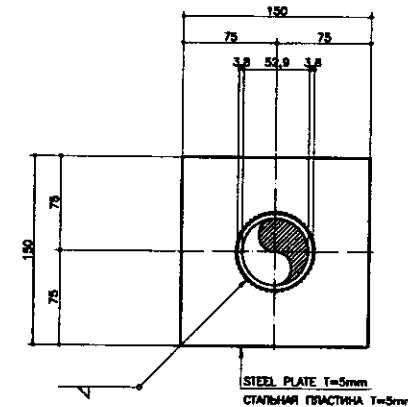
СГБ JICA NIJS NSC	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ							ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"				
	JAPAN INTERNATIONAL COOPERATION AGENCY	Design Name	Quantity Kansho	Sheet Page	Doc.No Date	Signature Name	Date Date	TYPICAL DRAWINGS ТИПОВОЙ ЧЕРТЕЖ		Stage Этап	Sheet Лист	Sheets Листов
	NJS CONSULTANTS CO.,LTD.~JAPAN	Chief Engineer or Project Manager	M.Morimoto or Project Manager			<i>M.Morimoto</i>						
	NIHON SUIDO CONSULTANTS CO.,LTD.~JAPAN	Deputy Engineers	T.Kiguchi T.Johyama			<i>T.Kiguchi</i>		EXPANSION JOINT / LADDER ДЕФОРМАЦИОННЫЙ ШОВ			1B	20
		Designed by Hosokawa	M.Fujisawa M.Fujisawa			<i>75/77</i>					W34-C-18 SCALE 1:100	



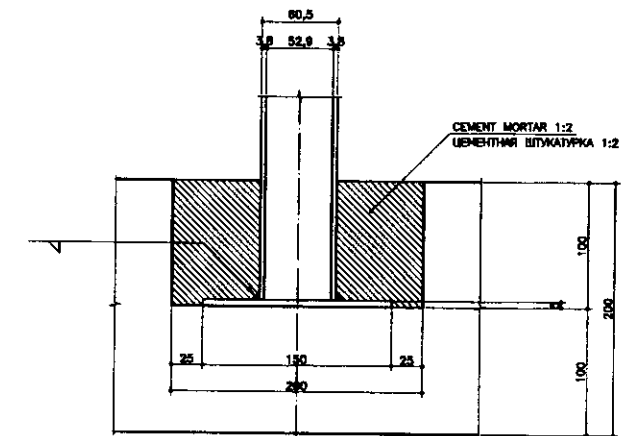
SIDE VIEW/ ВИД СБОКУ
SCALE 1:20



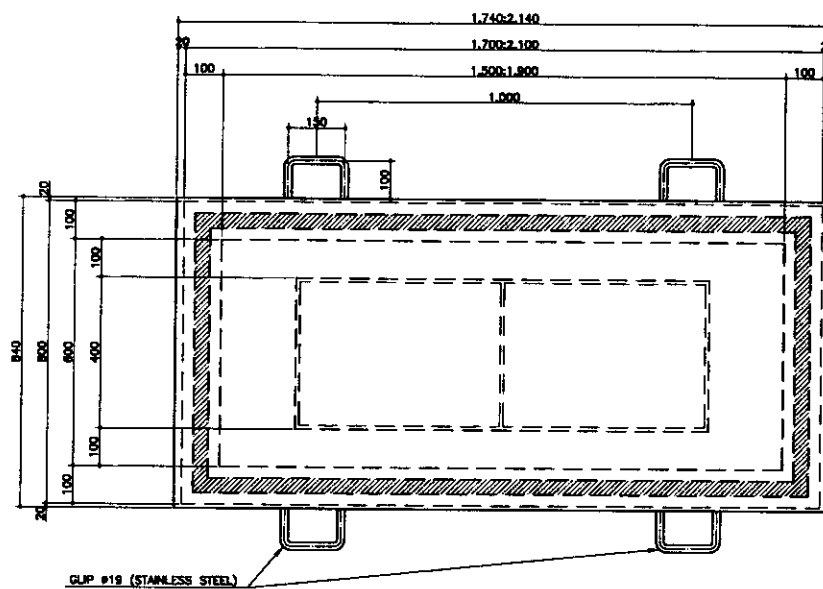
SECTION A-A/РАЗРЕЗ A-A
SCALE 1:20



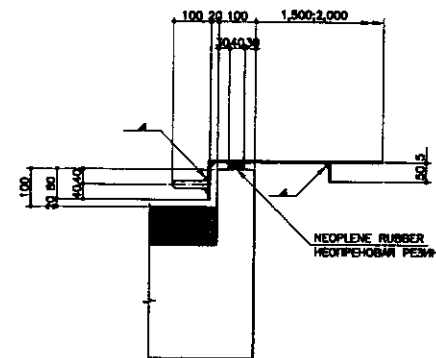
PLAN/ ПЛАН
SCALE 1:3



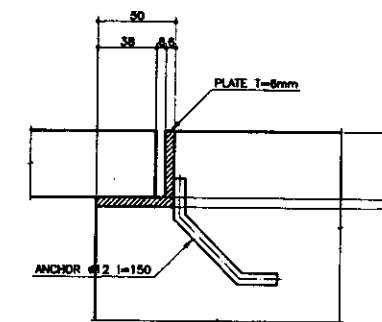
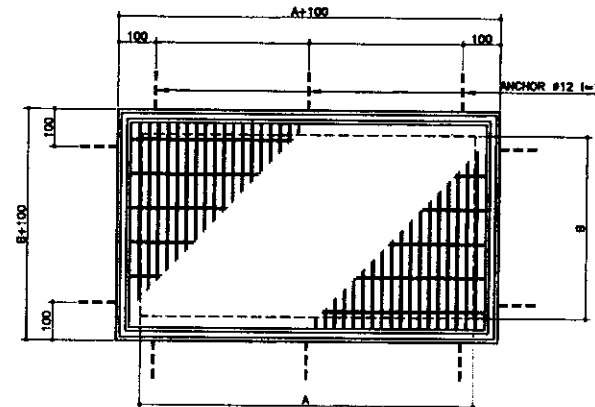
SECTION B-B/РАЗРЕЗ B-B
SCALE 1:3



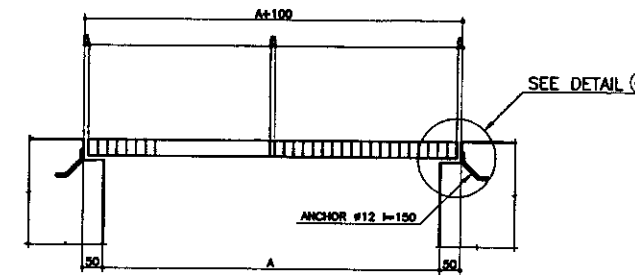
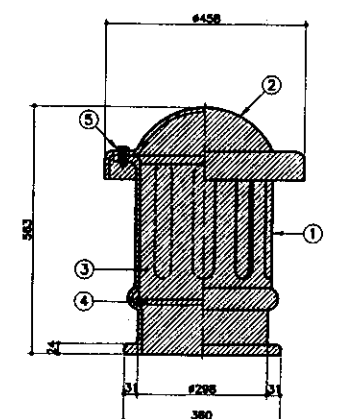
PLAN/ ПЛАН
not to scale



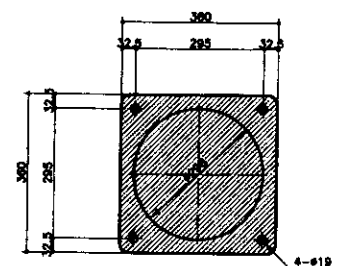
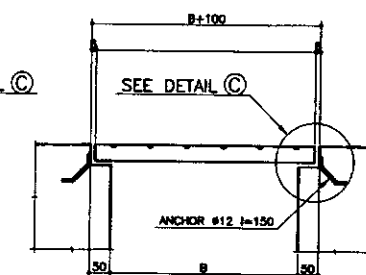
DETAIL (B)
NOT TO SCALE



DETAIL (B)



DETAIL OF GRATING
NOT TO SCALE



No.	PARTS	MATERIAL
1	BODY	FRP
2	COVER	FRP
3	SCREEN NET	VP
4	PACKING	RUBBER
5	BOLT & NUT	PPS

DETAIL OF AIR VENT (5 units)
ДЕТАЛЬ ВЕНТИЛЯЦИИ (5 единиц)
(CHLORINATION MIXING BASIN)
(ЕМКОСТЬ СМЕШИВАНИЯ ХЛОРА)

LIST OF GRATING/ПЕРЕЧЕНЬ РЕШЕТОК

LOCATION	SIZE	МЕСТО	РАЗМЕР	300x600	600x600	600x1,000	600x2,000	1,000x1,000	1,000x1,200	1,000x1,600	1,200x1,500	1,500x2,500
DISTRIBUTION CHAMBER		РАСПРЕДЕЛИТЕЛЬНАЯ КАМЕРА		13	1	1	1	1	1	1	1	1
RECEIVING WELL		ПРИЕМНАЯ КАМЕРА		14	1	1	1	1	1	1	1	1
FLOCCULATION BASIN		ЕМКОСТЬ ФЛОКУЛЯЦИИ		24	1	1	1	1	1	1	1	1
SEDIMENTATION BASIN		ОТСТОЙНИК		97	26	1	1	1	1	1	1	1
RAPID SAND FILTER		СКОРЫЙ ПЕСЧАНЫЙ ФИЛЬТР		28	1	1	1	1	1	1	1	1
WASHING DRAIN BASIN		ДРЕЖИЖНО-ПРОМЫВНОЙ БАСЕЙН		1	1	1	1	1	1	1	1	1
SLUDGE THICKENER		ИЛОУПЛОТНИТЕЛЬ		3	2	1	1	1	1	1	1	1
DISCHARGE POOL		НАКОПИТЕЛЬНЫЙ РЕЗЕРВУАР		1	1	1	1	1	1	1	1	1
TOTAL		ИТОГО		97	108	2	21	17	2	6	1	24

LEGEND

MECHANICAL EQUIPMENT
МЕХАНИЧ. ОБОРУДОВАНИЕ

DETAIL OF STAINLESS STEEL COVER
ДЕТАЛЬ ПОКРЫТИЯ ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

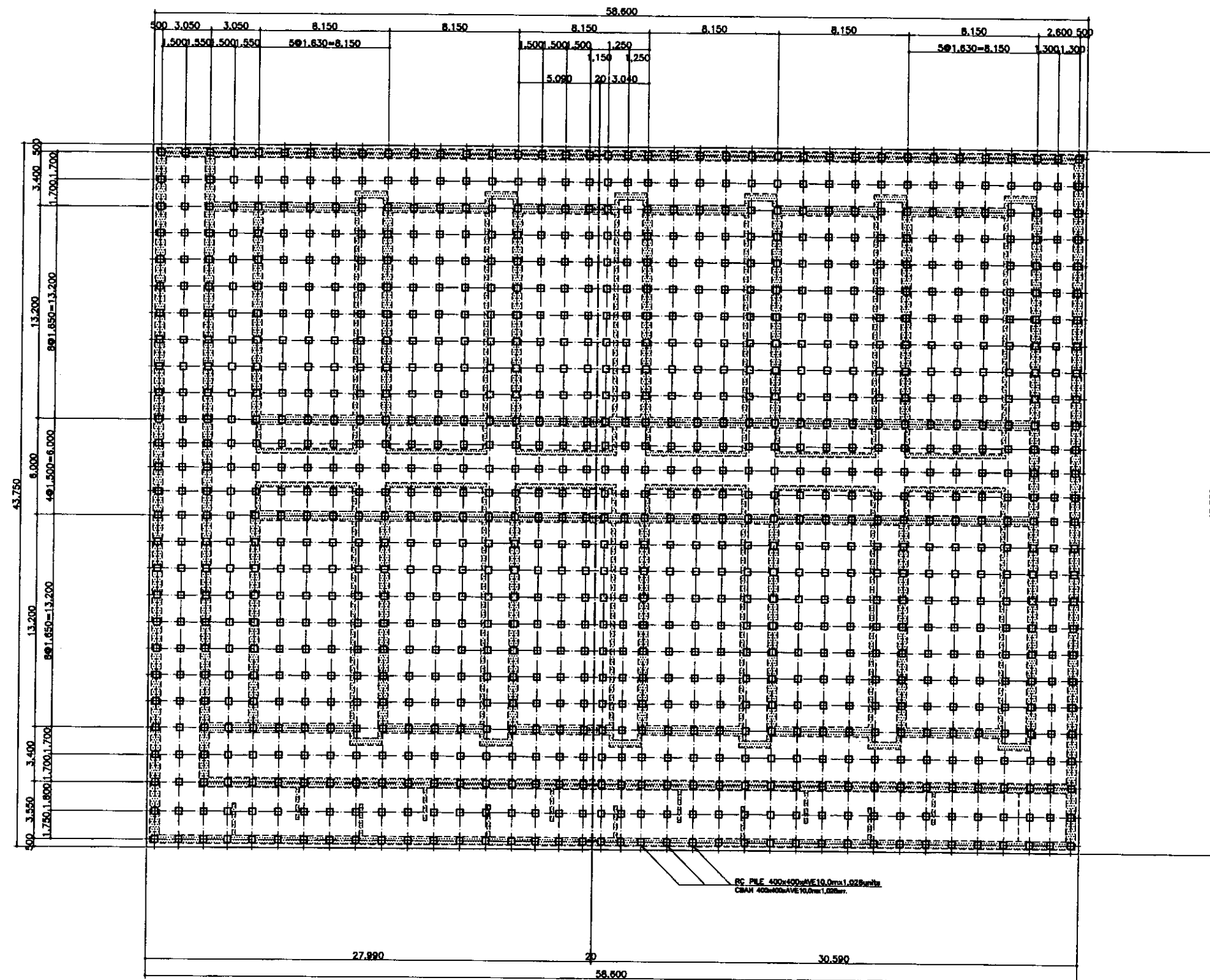
NOT TO SCALE
• 600x1,500x2 units
• 600x1,900x8 units



КОРПОРАЦИЯ РАЗВИТИЯ
СТОЛИЦЫ
JAPAN INTERNATIONAL
COOPERATION AGENCY
NJS CONSULTANTS
CO.,LTD.-JAPAN
NIHON SUIDO CONSULTANTS
CO.,LTD.-JAPAN

Design/Drawn	Check	Sheet No.	Doc. No.	Signature	Date

ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"			
TYPICAL DRAWING ТИПОВОЙ ЧЕРТЕЖ	Scale	Sheet	Sheets
		19	20
TYPICAL DRAWING ТИПОВОЙ ЧЕРТЕЖ	W34-C-19 SCALE 1:50		



PILE ARRANGEMENT /
РАССТАНОВКА СВАЙ

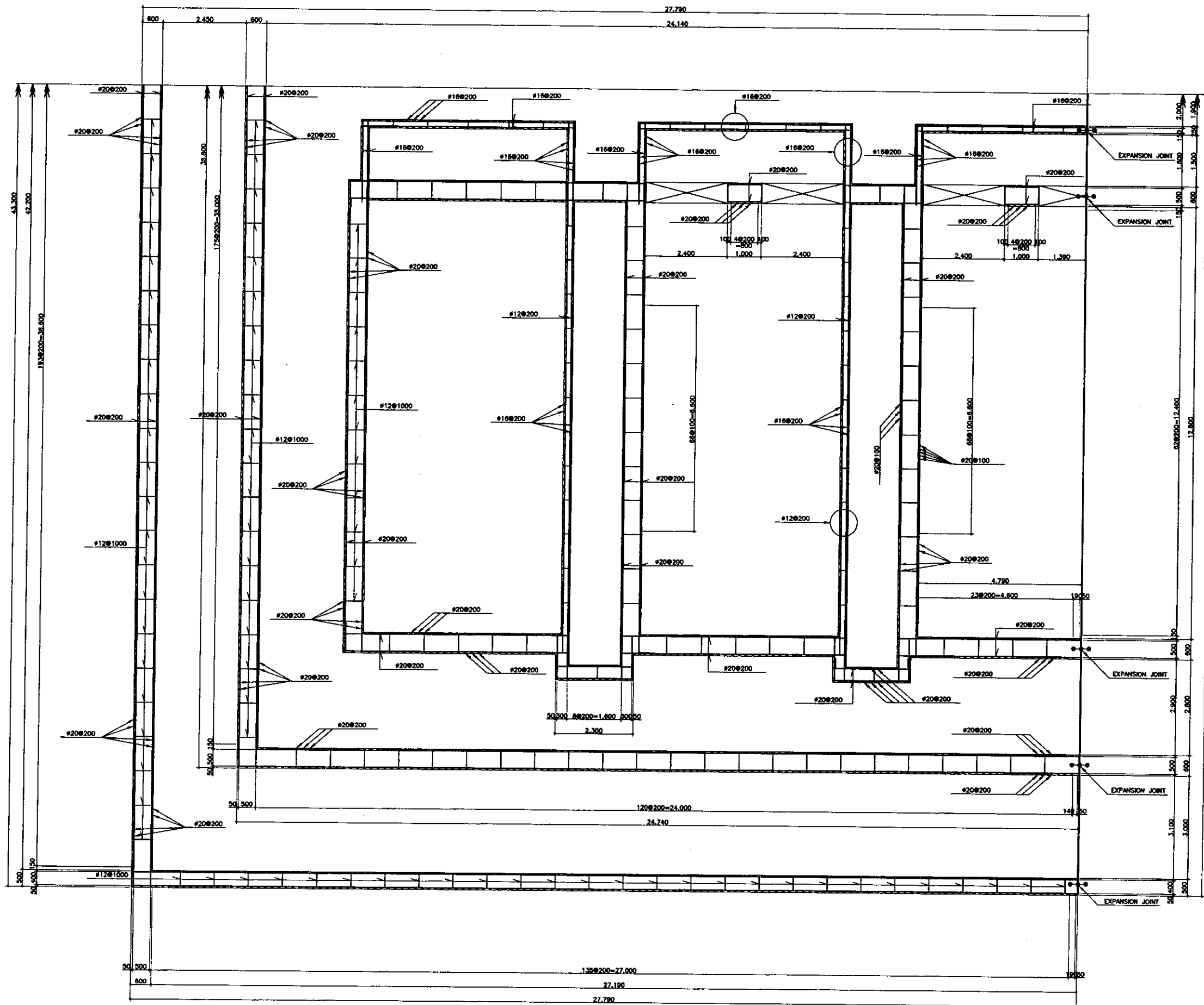
SCALE 1:150



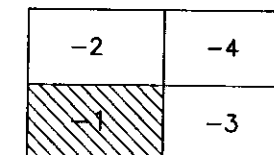
КОРПОРАЦИЯ РАЗВИТИЯ
СТОЛИЦЫ
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY
NJS CONSULTANTS
CO., LTD. - JAPAN
NIHON SUIDO CONSULTANTS
CO., LTD. - JAPAN

Design	Check	Sheet	Doc. No.	Signature	Date
Chief Engineer	Chief Engineer	Chief Engineer	Chief Engineer	Chief Engineer	Chief Engineer
Deputy	Deputy	Deputy	Deputy	Deputy	Deputy
Designed by	Designed by	Designed by	Designed by	Designed by	Designed by
Checked by	Checked by	Checked by	Checked by	Checked by	Checked by

ASTANA WATER SUPPLY AND SEWERAGE PROJECT					
ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"					
RAPID SAND FILTER СКОРЫЙ ПЕСЧАНЫЙ ФИЛЬТР И ХЛОРАЦИЯ				Sheet	Sheet
PILE ARRANGEMENT РАССТАНОВКА СВАЙ				20	20
				W34-C-20 SCALE 1:150	



KEY PLAN

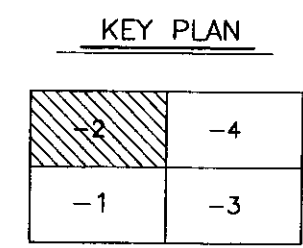
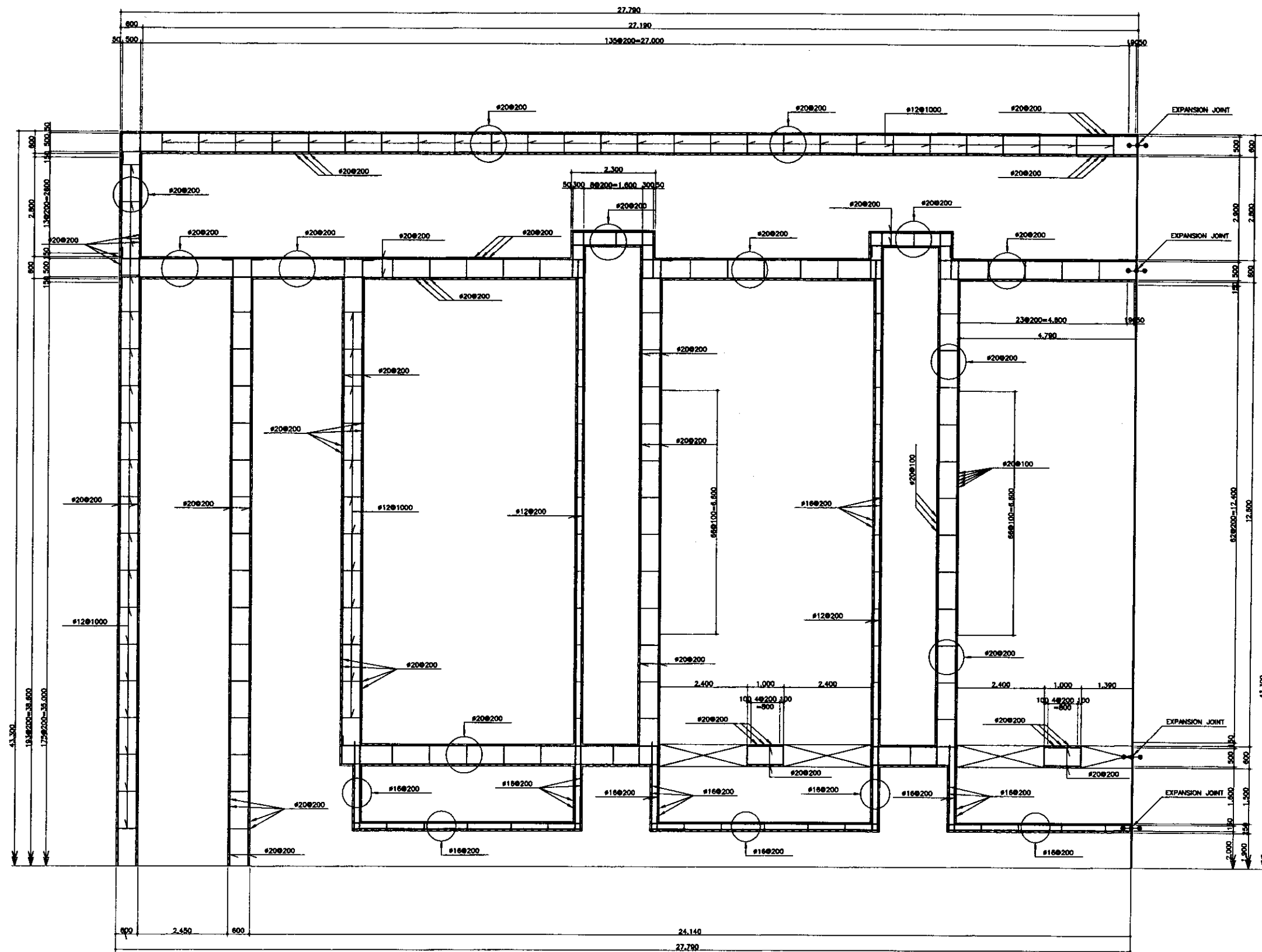


BOTTOM-1

SCALE 1:80

	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ				ASTANA WATER SUPPLY AND SEWERAGE PROJECT			
	JAPAN INTERNATIONAL COOPERATION AGENCY				ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"			
	NJS CONSULTANTS CO., LTD. - JAPAN				RAPID SAND FILTER			
	NIHON SUIDO CONSULTANTS CO., LTD. - JAPAN				BAR ARRANGEMENT-1			
Designed by M. Furukawa	Checked by M. Furukawa	Signature T. Kiguchi	Date 7/3/99		Stage Grading	Sheet 1 of 7	W34-S-01	
					АРМАТУРНАЯ СЕТКА-1		SCALE 1:80	

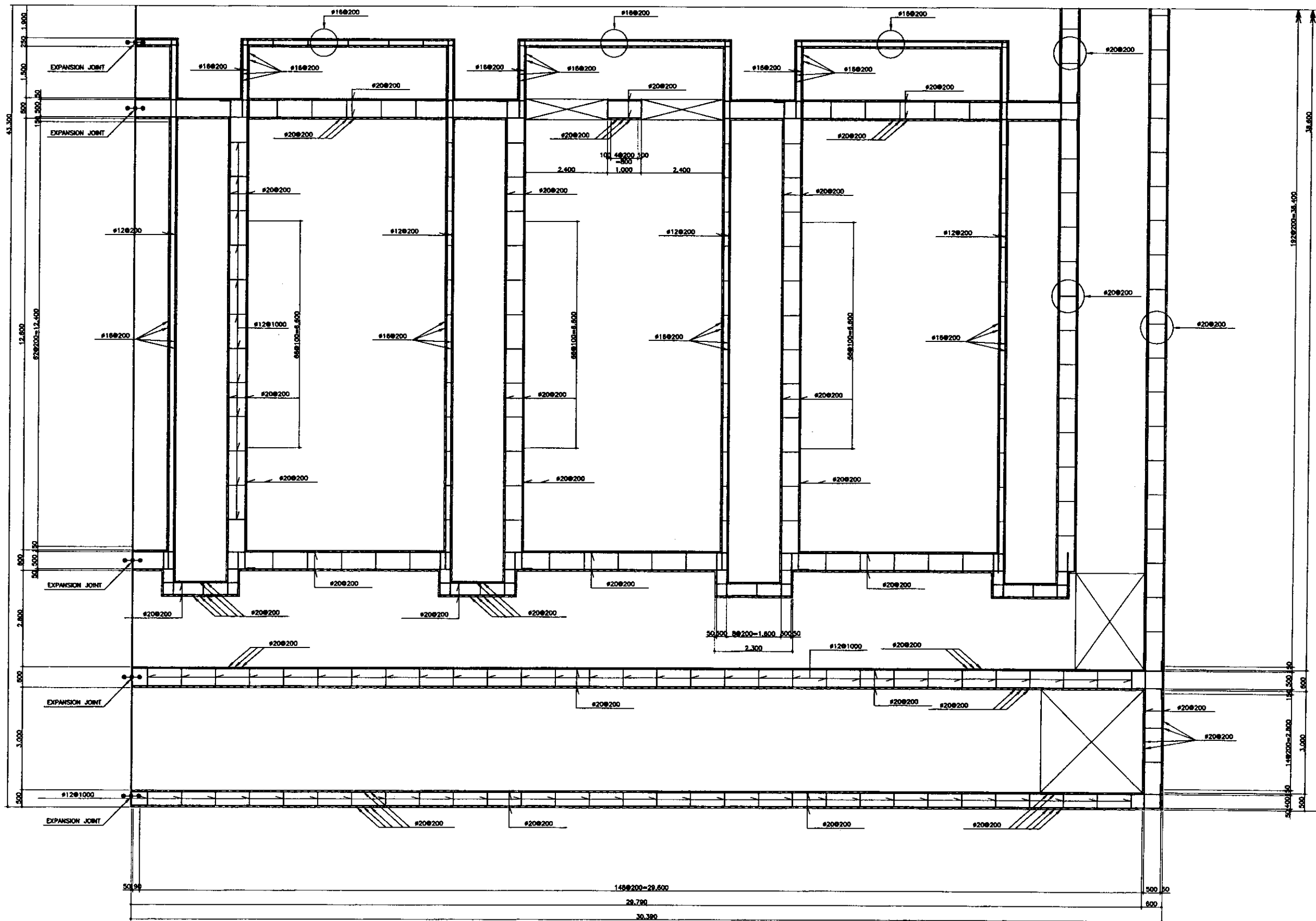
Approved/Confirmed
Signature and Date
Date



BOTTOM-1
SCALE 1:60

Approved / Co-ordinator	
Checked / Designer	
Drawn / Draftsman	
Project / Client	
Sheet / No.	
Scale	
Date	

	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JICA JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN	<table border="1"> <tr> <th>Design</th> <th>Check</th> <th>Sheet</th> <th>Doc.No.</th> <th>Signature</th> <th>Date</th> </tr> <tr> <td>Designed by M. Fujiwara M. Fujiwara</td> <td>Checked by T. Kiyoshi T. Kiyoshi</td> <td>7/3/99</td> <td></td> <td></td> <td></td> </tr> </table>	Design	Check	Sheet	Doc.No.	Signature	Date	Designed by M. Fujiwara M. Fujiwara	Checked by T. Kiyoshi T. Kiyoshi	7/3/99				ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ ПО ВОДОСНАБЖЕНИЮ И ВОДООТВЕДЕНИЮ В ГОРОДЕ АСТАНА RAPID SAND FILTER BAR ARRANGEMENT-2 АРМАТУРНАЯ СЕТКА-2	<table border="1"> <tr> <th>Scale</th> <th>Sheet</th> <th>Sheets</th> </tr> <tr> <td>W34-S-02</td> <td>2</td> <td>7</td> </tr> </table>	Scale	Sheet	Sheets	W34-S-02	2	7
	Design	Check	Sheet	Doc.No.	Signature	Date																
	Designed by M. Fujiwara M. Fujiwara	Checked by T. Kiyoshi T. Kiyoshi	7/3/99																			
	Scale	Sheet	Sheets																			
W34-S-02	2	7																				
			Scale 1:60																			



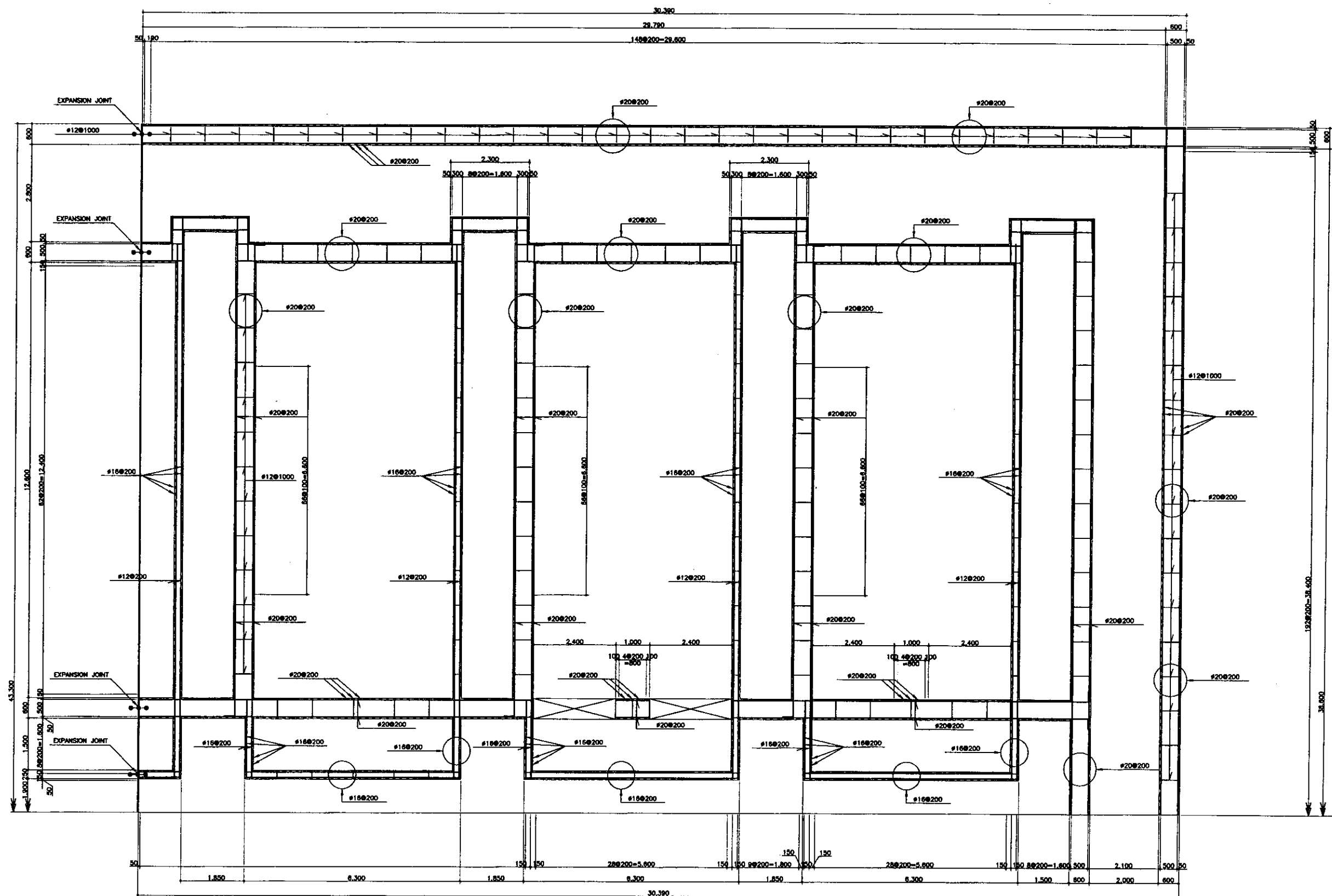
KEY PLAN

-2	-4
-1	-3

BOTTOM-2

SCALE 1:60

	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ								ASTANA WATER SUPPLY AND SEWERAGE PROJECT		
	JAPAN INTERNATIONAL COOPERATION AGENCY								ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"		
	NJS CONSULTANTS CO.,LTD.-JAPAN								RAPID SAND FILTER		
	NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN								Storage Cistern		
		Change Rev.	Quantity Qty.	Sheet No.	Doc. No. Date	Signature Name	Date Date			Sheet No.	Sheets Total
		Chief Engineer of Project/Team	M. Morozov M. Morozov			<i>M. Morozov</i>				3	7
		Deputy Supervisor	T. Kiguchi T. Kiguchi			<i>T. Kiguchi</i>					
		Designed by	M. Fujiwara M. Fujiwara			<i>M. Fujiwara</i>					
		Checked by Inspector						BAR ARRANGEMENT-3 АРМАТУРНАЯ СЕТКА-3		W34-S-03 SCALE 1:60	



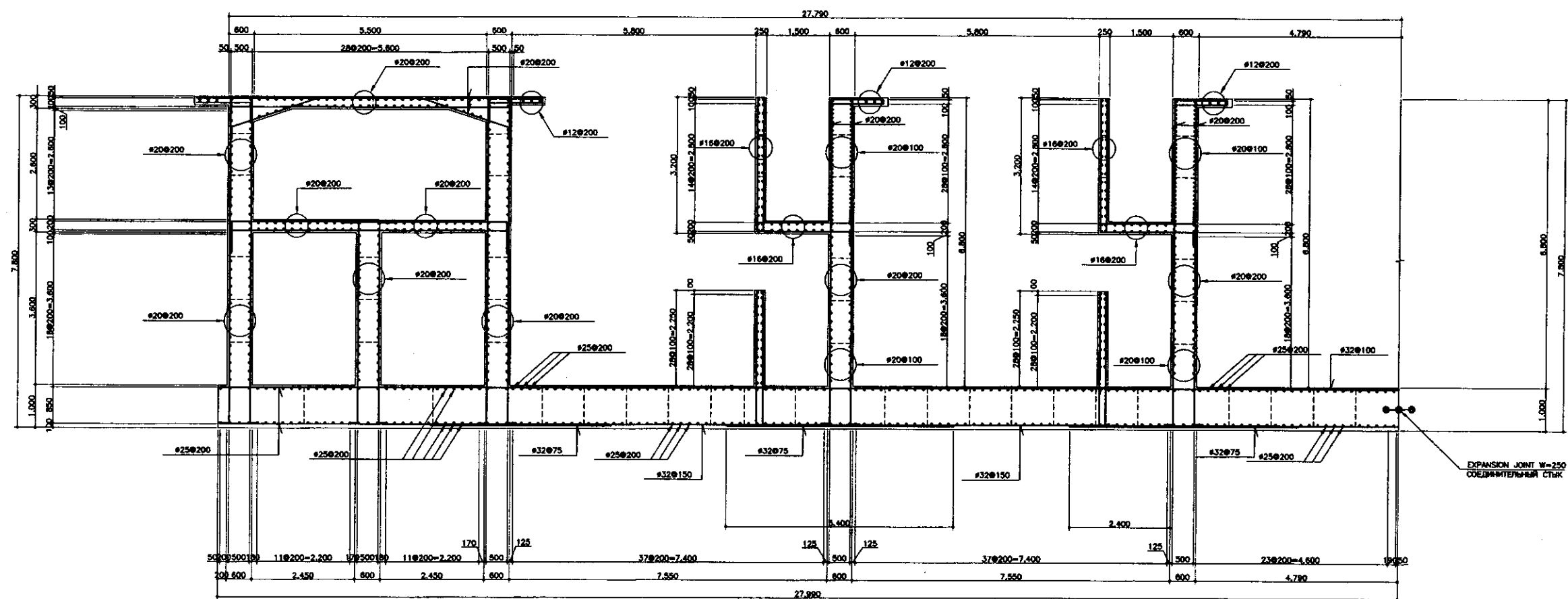
KEY PLAN

-2	-4
-1	-3

BOTTOM-2

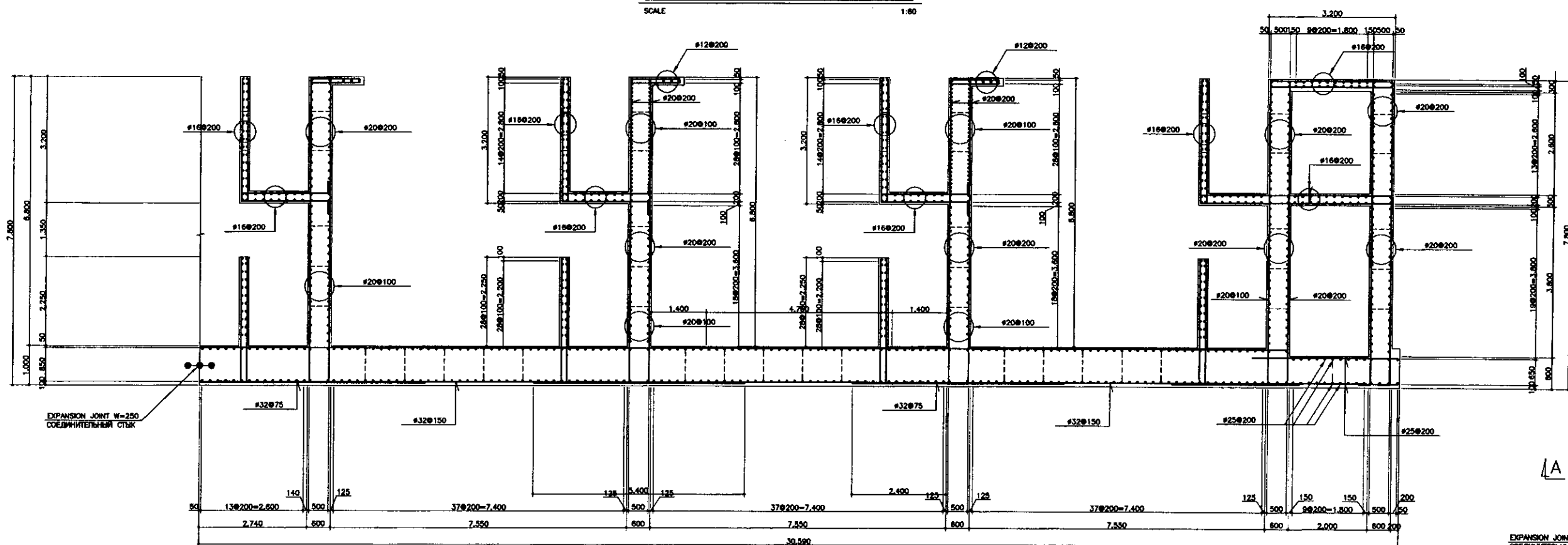
SCALE 1:60

	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JICA JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN				ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ ПО ВОДОСНАБЖЕНИЮ И ВОДООТВЕДЕНИЮ В ГОРОДЕ АСТАНЕ			
	Chief Engineer M. Morose	Sheet 1/1	Date 10/10/99	Signature 	RAPID SAND FILTER			
	Deputy T. Kiyuchi	Sheet 1/1	Date 10/10/99	Signature 	BAR ARRANGEMENT-4 АРМАТУРНАЯ СЕТКА-4			
	Designed by M. Fujimori Checked by M. Fujimori	Sheet 1/1	Date 10/10/99	Signature 	W34-S-04 SCALE 1:60			



SECTION A-A/PA3PE3 A-A

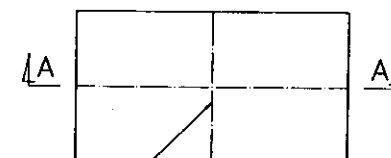
SCALE 1:80



SECTION A1-A1/PA3PE3 A1-A1

SCALE 1:80

KEY PLAN



EXPANSION JOINT W=250
СОЕДИНИТЕЛЬНЫЙ СТЫК

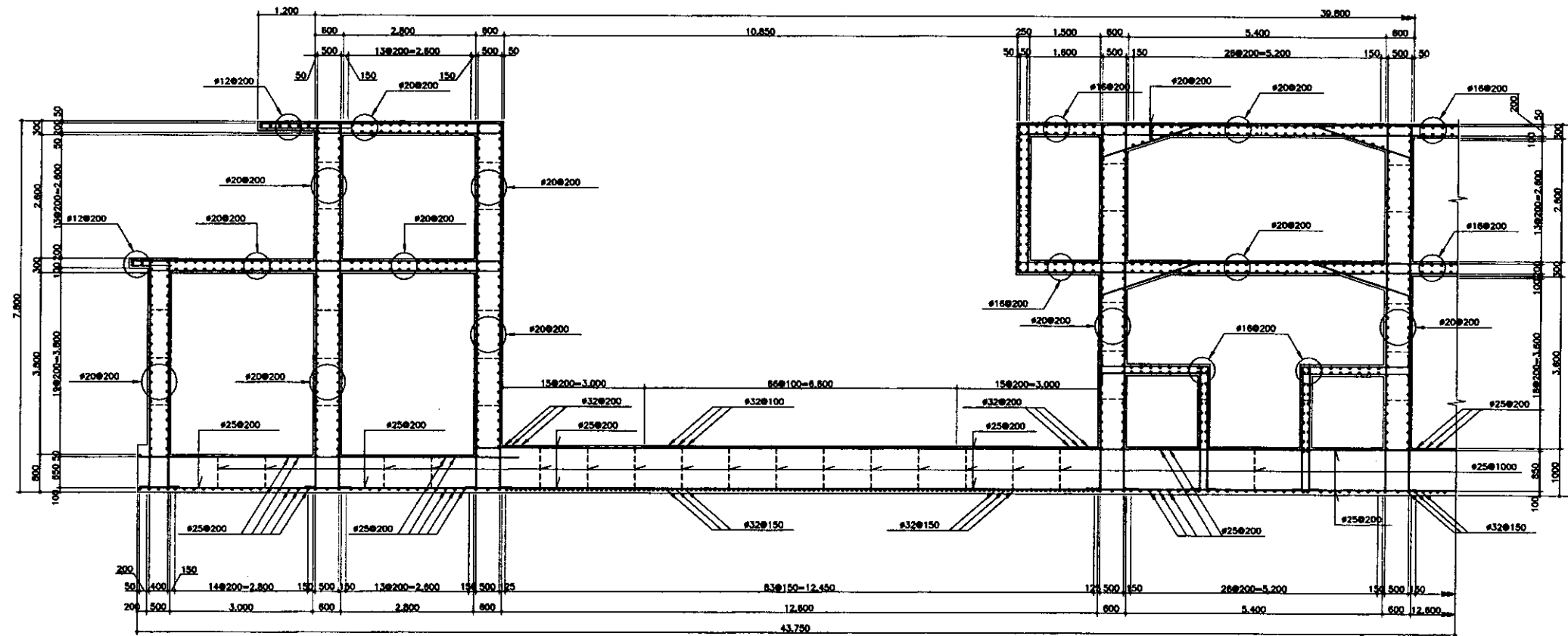


КОРПОРАЦИЯ РАЗВИТИЯ
СТОЛИЦЫ
JAPAN INTERNATIONAL
COOPERATION AGENCY
NJS CONSULTANTS
CO., LTD. - JAPAN
NIHON SUIDO CONSULTANTS
CO., LTD. - JAPAN

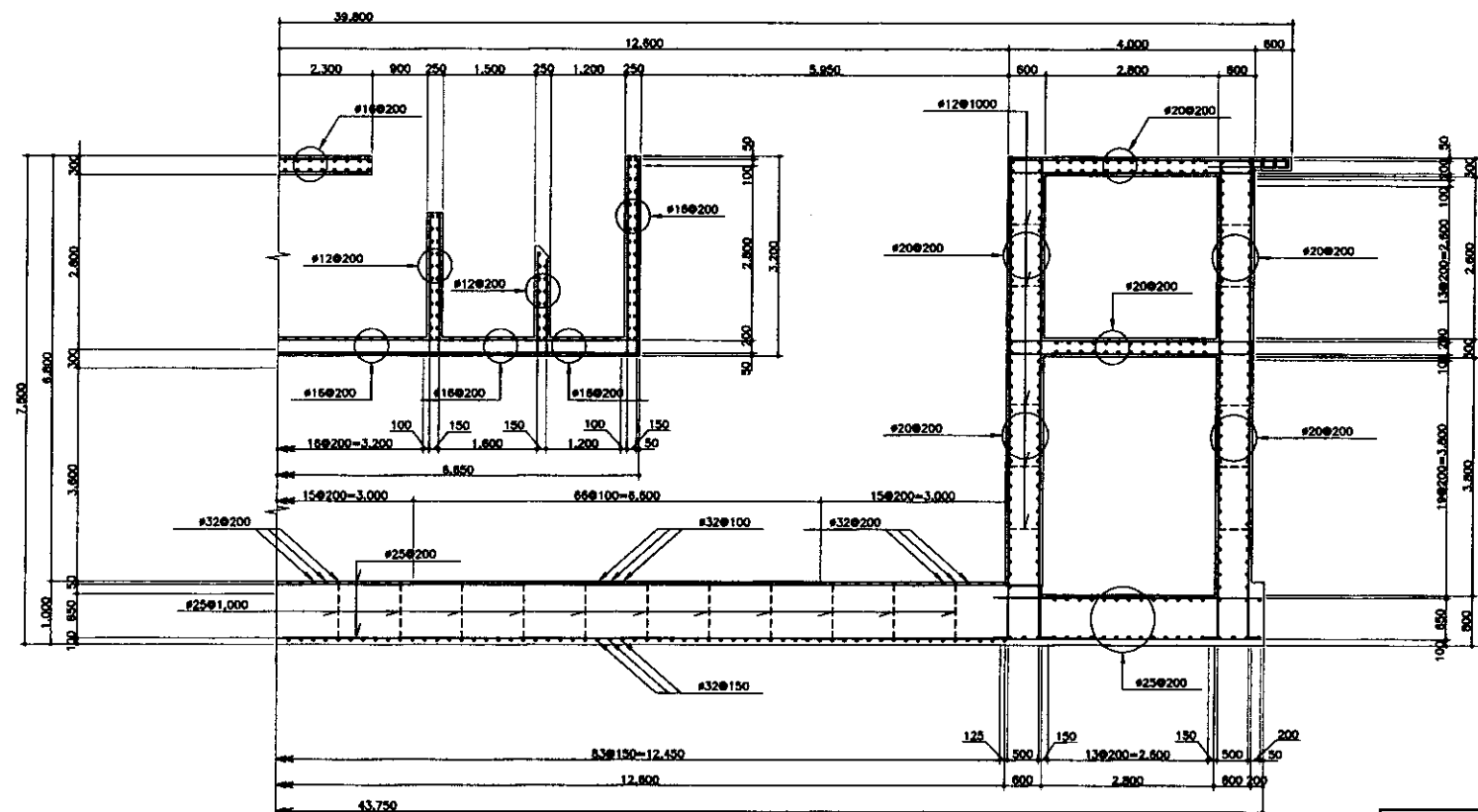
Design	Check	Sheet	Doc. No.	Signature	Date
204	Engineer	1	M. Morozov		
204	Project	1	T. Kiyoshi		
204	Design	1	T. Kiyoshi		
204	Check	1	M. Fujihara		
204	Design	1	M. Fujihara		

ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"			
RAPID SAND FILTER	Slope	Sheet	Sheets
	Страна	Лист	Листов
		5	7
BAR ARRANGEMENT-5 АРМАТУРНАЯ СЕТКА-5		W34-S-05	SCALE 1:80

Approved/Согласовано	
Checked/Проверено	
Designed/Проектировано	
Checked/Проверено	
Designed/Проектировано	
Checked/Проверено	

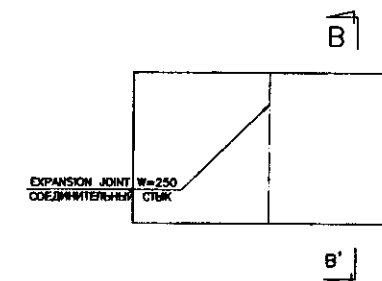


SECTION B-B/PA3PE3 B-B
SCALE 1:80

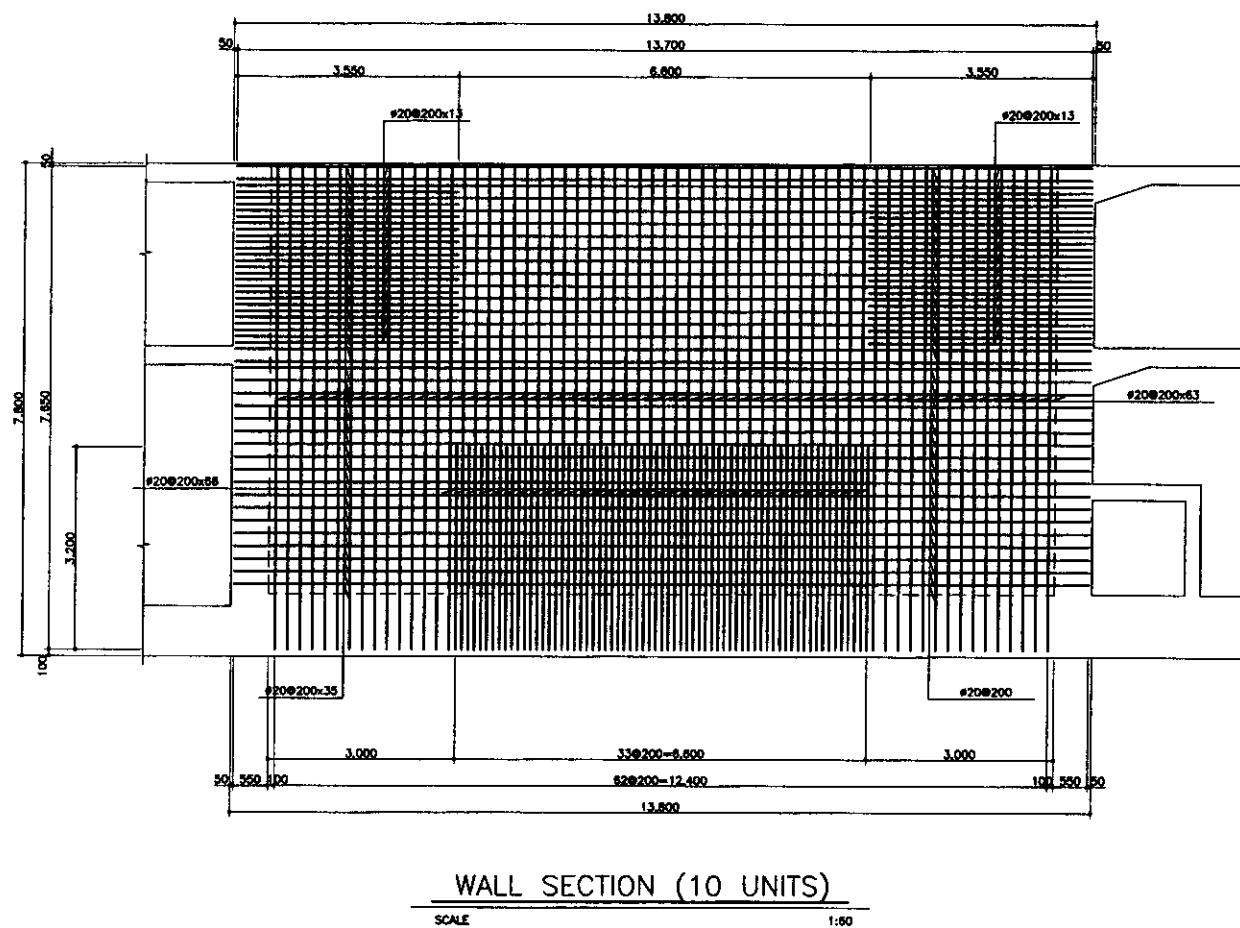
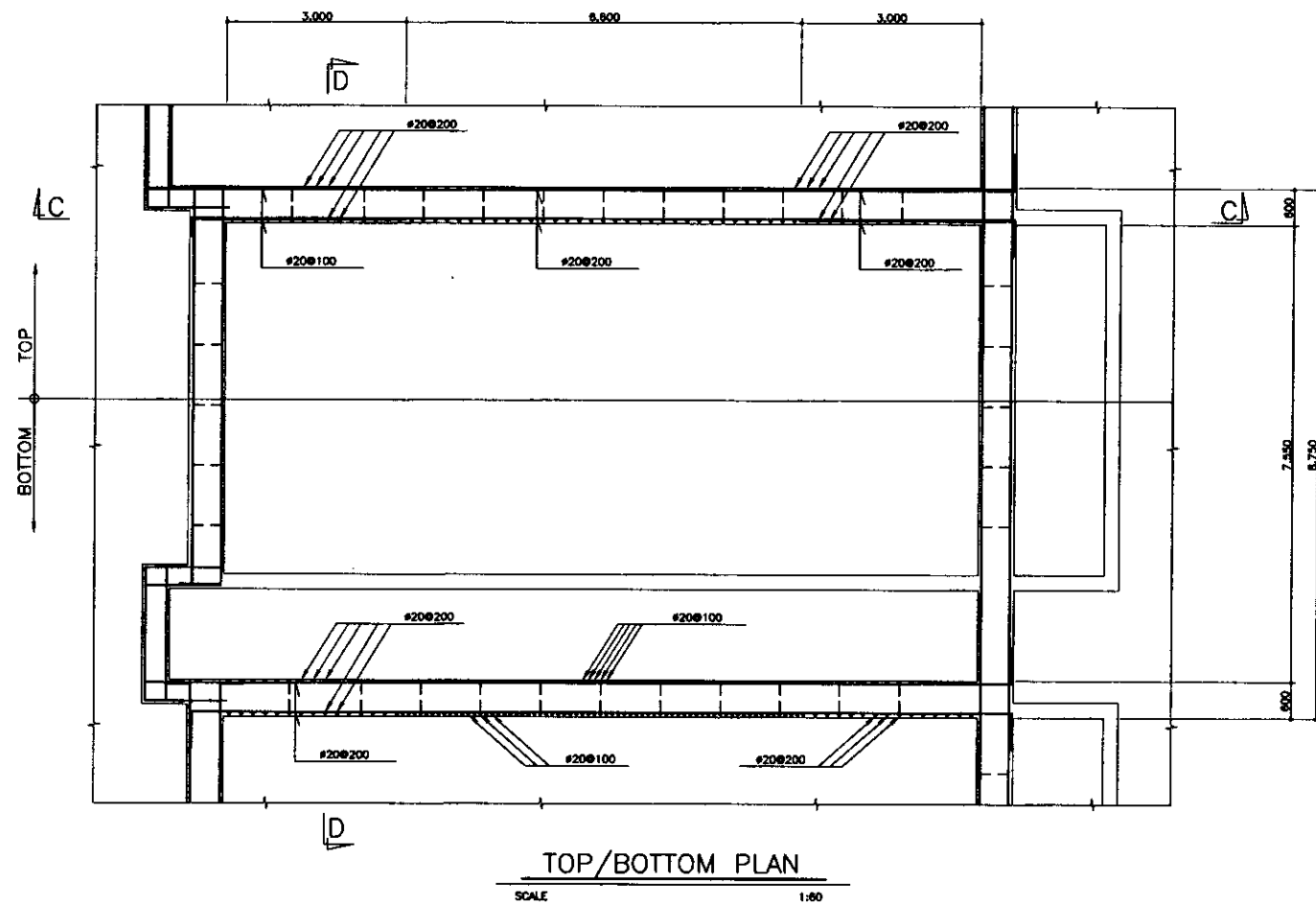


SECTION B'-B'/PA3PE3 B'-B'
SCALE 1:80

KEY PLAN



	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ				ASTANA WATER SUPPLY AND SEWERAGE PROJECT									
	JAPAN INTERNATIONAL COOPERATION AGENCY				ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"									
	NJS CONSULTANTS CO.,LTD.-JAPAN				RAPID SAND FILTER									
	NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN				W34-S-06 SCALE 1:80									

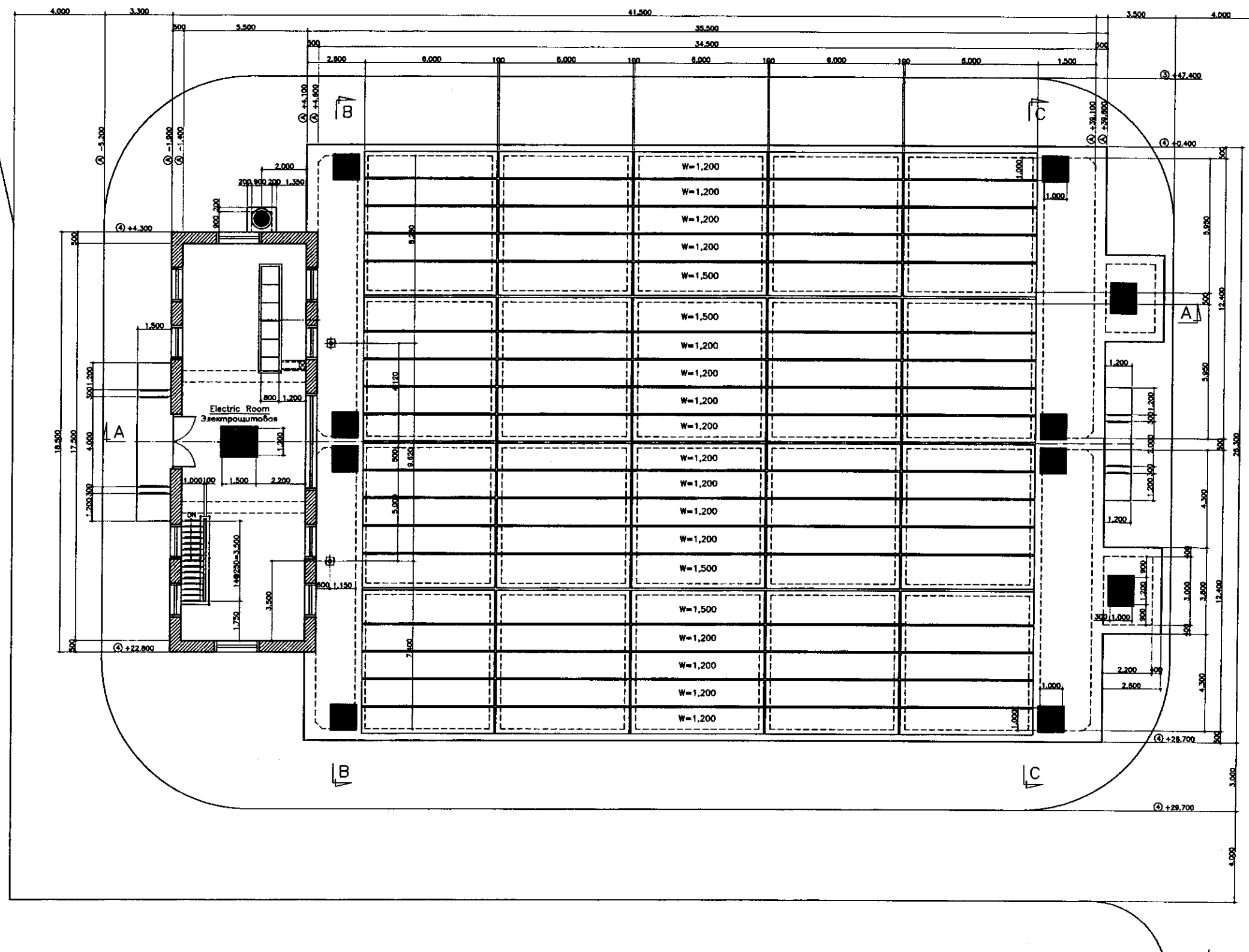


	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ						ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"					
	JAPAN INTERNATIONAL COOPERATION AGENCY	Design Man.	Quantity Nos.40	Sheet Pers.	Doc.No. Date	Signature	Date					
	NJS CONSULTANTS CO.,LTD.-JAPAN	Chief Engineer of Project	M. Momose			<i>M. Momose</i>		RAPID SAND FILTER		Slope Stream	Sheet Pers.	Sheets Persus
	NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN	Deputy Engineer	T. Kuguchi			<i>T. Kuguchi</i>					7	7
		Designed by	M. Fujiwara			<i>M. Fujiwara</i>		BAR ARRANGEMENT-7 АРМАТУРНАЯ СЕТКА-7		W34-S-07 SCALE 1:50		
		Checked by	Проверен									

5-BACK WASH DRAIN BASIN

5-ДРЕНАЖНЫЙ БАССЕЙН

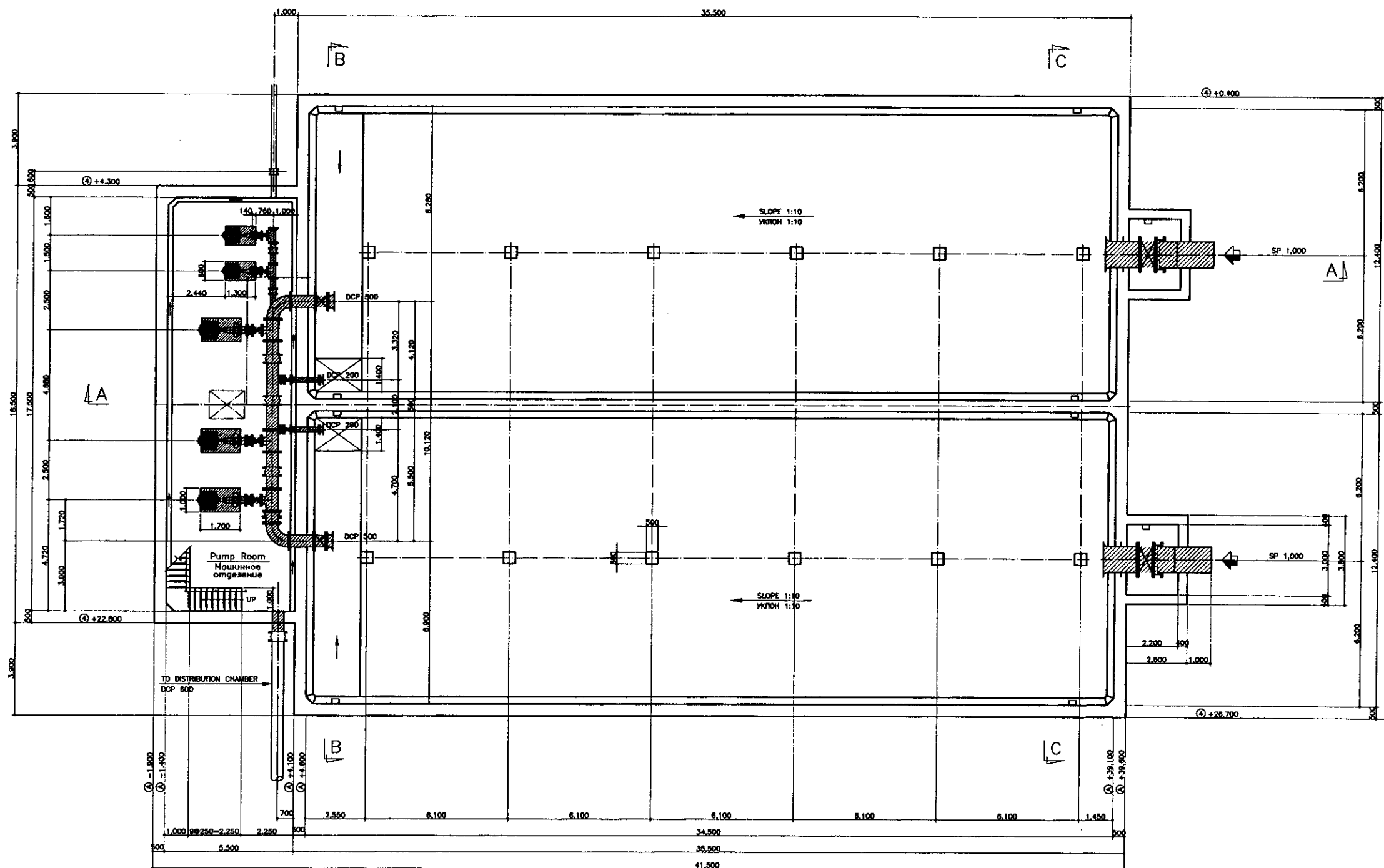
ОБРАТНОЙ ПРОМЫВКИ



CID
JICA
W
NS

КОРПОРАЦИЯ РАЗВИТИЯ
СТОЛИЦЫ
JAPAN INTERNATIONAL
COOPERATION AGENCY
NJS CONSULTANTS
CO.,LTD.-JAPAN
NIHON SUIDO CONSULTANTS
CO.,LTD.-JAPAN

						ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"					
Change Изм.	Quantity Кол-во	Sheet Лист	Doc. No. Док. №	Signature Подпись	Date Дата	BACK-WASH DRAINAGE BASIN ДРЕНАЖНЫЙ БАССЕЙН ОБРАТНОЙ ПРОМЫВКИ			Stage Стадия	Sheet Лист	Sheets Листов
Designed by Проектировщик										2	4
Designed by Проектировщик						TOP PLAN ПЛАН ВЕРХНЕЙ ЧАСТИ			W36-C-02 Scale 1:100		
Checked by Проверенный											



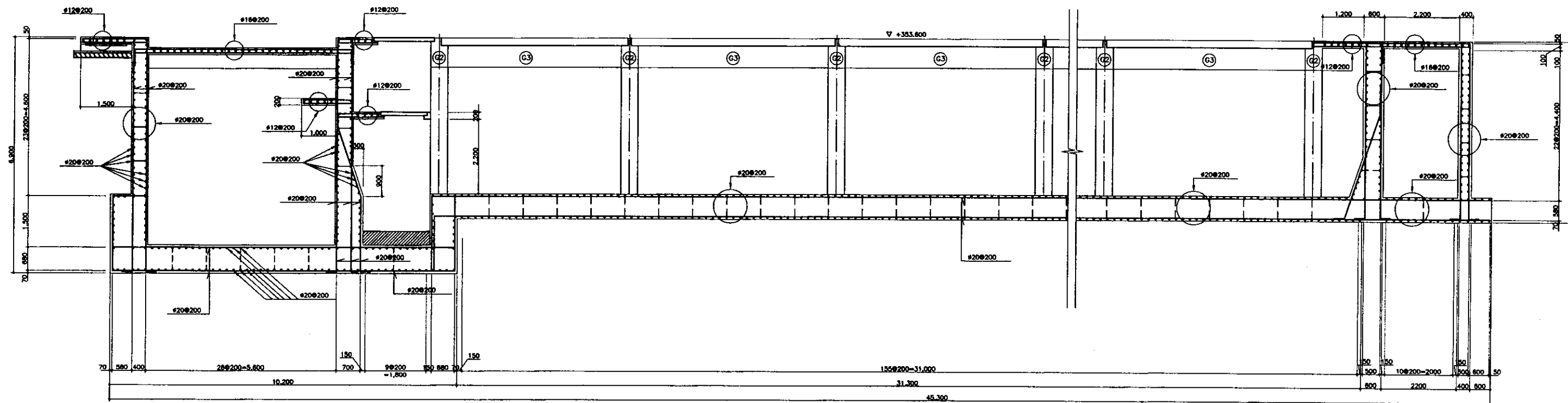
BOTTOM PLAN
ПЛАН НИЖНЕЙ ЧАСТИ

LEGEND
ЛЕГЕНДА

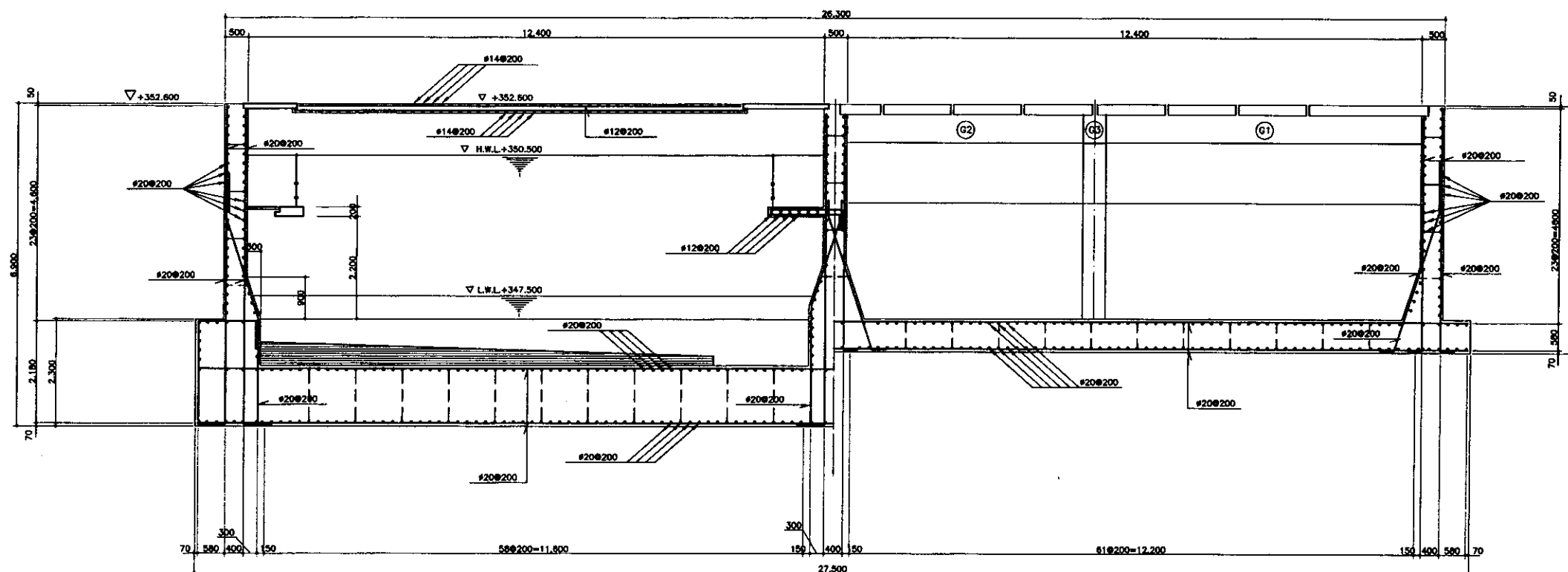
MECHANICAL EQUIPMENT
МЕХАНИЧЕСКАЯ ЧАСТЬ

	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ				ASTANA WATER SUPPLY AND SEWERAGE PROJECT			
	JAPAN INTERNATIONAL COOPERATION AGENCY				ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"			
	NJS CONSULTANTS CO.,LTD.-JAPAN				BACK-WASH DRAINAGE BASIN ДРЕНАЖНЫЙ БАССЕЙН ОБРАТНОЙ ПРОМЫВКИ			
	NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN				БОТТОМ PLAN ПЛАН ПОДЗЕМНОЙ ЧАСТИ			
Designed by М.Момоев	Checked by М.Фуэкура	Sheet No. Лист №	Doc. No. Док. №	Signature Подпись	Date Дата	Stage Стадия	Sheet Лист	Sheets Листов
							3	4
						W36-C-03 SCALE 1:100		

Approved/Согласовано	
Signature and Date Подпись и дата	
Initials of author Инициалы автора	



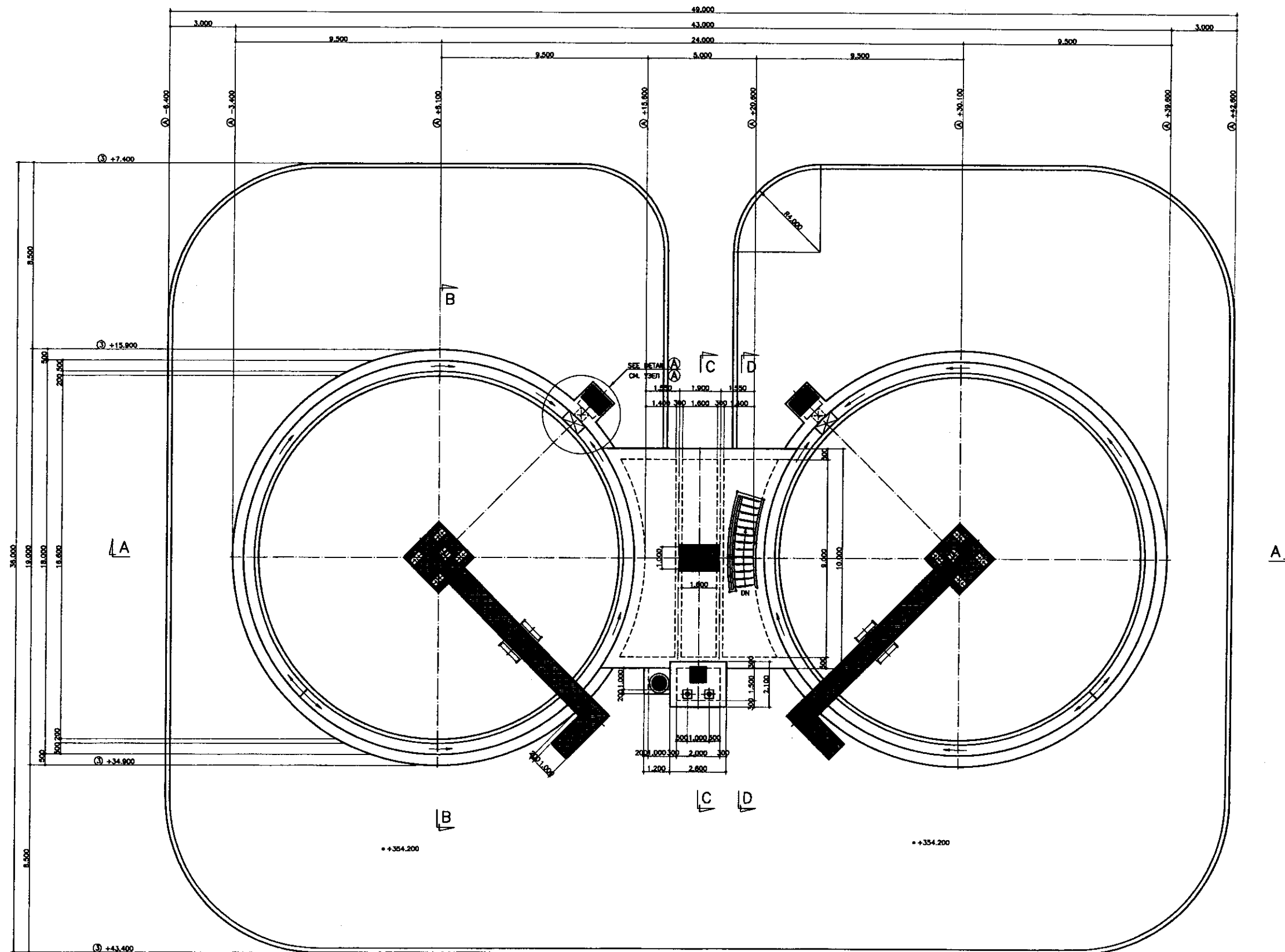
SECTION A-A/PA3PE3 A-A
SCALE 1:50



BAR ARRANGEMENT-2
SCALE 1:50

	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ							ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"				
	JAPAN INTERNATIONAL COOPERATION AGENCY	Design Sheet	Quantity Sheet	Doc. No. Sheet	Signature Page No.	Date Date		BACK-WASH DRAINAGE BASIN		Scale Scale	Sheet Sheet	Sheets Listed
	NJS CONSULTANTS CO.,LTD.-JAPAN	Chief Engineer of Project/TWT	M. Morozov M. Morozov								2	2
	NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN	Designed by Checked by Project Engineer	T. Kiyuchi T. Kiyuchi	M. Fujiwara M. Fujiwara	 	7.5.99		BAR ARRANGEMENT-2 АРМАТУРА ЦЕПКА-2		W36-S-02 SCALE 1:60		

6-SLUDGE THICKENER
6-ИЛОУПЛОТНИТЕЛЬ



TOP PLAN
ПЛАН НАДЗЕМНОЙ ЧАСТИ
SCALE 1:100

	КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ				ASTANA WATER SUPPLY AND SEWERAGE PROJECT			
	JAPAN INTERNATIONAL COOPERATION AGENCY				ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ"			
	NJS CONSULTANTS CO.,LTD.-JAPAN				THICKENER TANK УПЛОТНИТЕЛЬ			
	NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN				TOP PLAN ПЛАН НАДЗЕМНОЙ ЧАСТИ			
Designed by M. Morosov	Checked by T. Kiyuchi	Sheet No. 1	Doc. No. 1	Signature M. Morosov	Scale 1:100	Sheet 1	Sheets 4	W37-C-01 SCALE 1:100

Approved/Commented	
Reviewed and Dated	
Designed and Dated	
Checked and Dated	