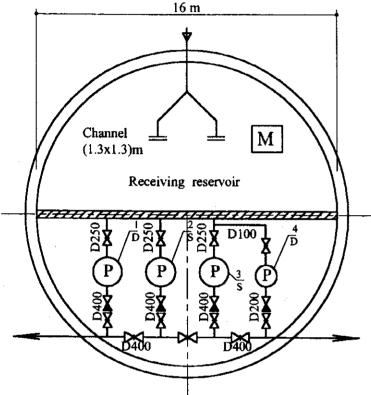


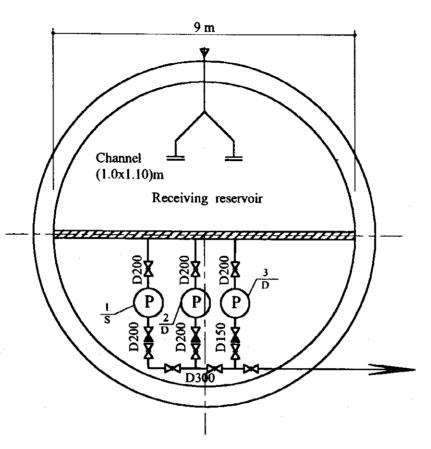
#### KHC-1A



N°	Q (m <sup>3</sup> /h)	H (m)
1	800	22.5
2	800	22.5
3	800	22.5
4	450	22.5

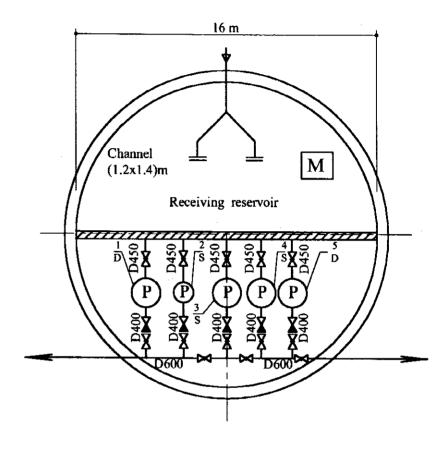


## KHC-2



N°	Q (m <sup>3</sup> /h)	H (m)
1	450	22
2	450	22
3	368	16

## KHC-10



Nº	Q (m <sup>3</sup> /h)	H (m)
1	450	22
2	800	22
3	450	22
4	450	22
5	450	22

	4	Legend
Note:	D: duty	= screens
	$\frac{2}{S}$ : standby	macerator (not working)

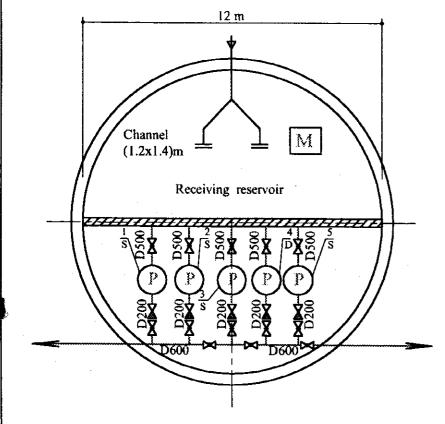
PROJECT	The Feasibility Study on Water Supply and Sewarage in the City of Astana
DRAVING TITLE	WASTEWATER COLLECTION SYSTEM BCHEMATIC ARRANGEMENT OF PUMP STATIONS TO BE REHABILITATED (1/6)

MARCH 2001

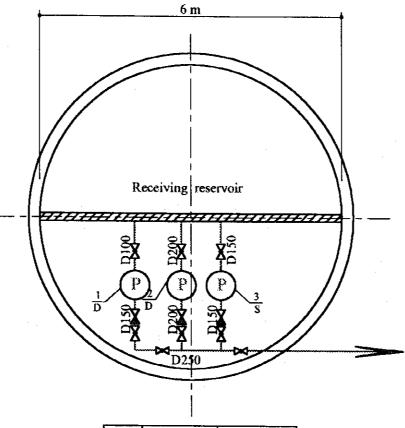


## KHC-9

# <u>KHC-6</u>



Nº	Q (m <sup>3</sup> /h)	H (m)
1	450	22
2	450	22
3	450	22
4	450	22
5	800	22



Nº	Q (m <sup>3</sup> /h)	H (m)
1	114	22
2	360	22
3	144	22

<del> </del>	12 m	
<i>//</i>		
II	Receiving reservoir	- []
11	. 1	11

Nº	$Q (m^3/h)$	H (m)
1	1600	22.5
2	1600	22.5
3	1600	22.5
4	800	22.5

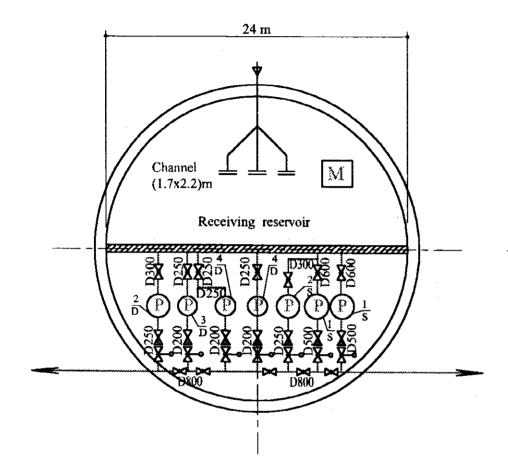
	4
Note:	D: duty
	2
	S: standby

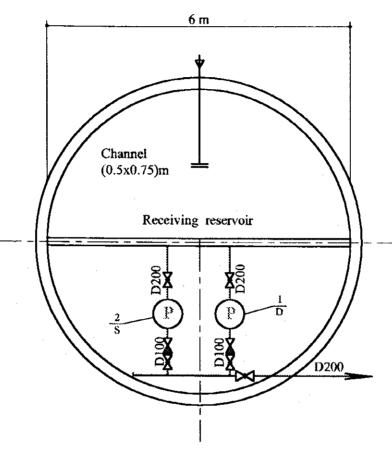
Legend

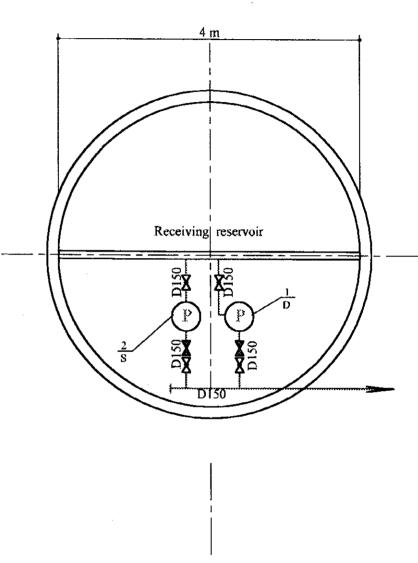
= screens

macerator (not working)

PROJECT	The Feasibility Study on Water Supply and Sewerage in the City of Astana		
DRAVING TITLE	WASTEWATER COLLECTION SYSTEM SCHEMATIC ARRANGEMENT OF PUMP STATIONS TO BE REHABILITATED (2/6)		
DA	178	SCALE	SHEET NO.
MARCE	#001	not to scele	B-13







Nο	Q (m <sup>3</sup> /h)	H (m)
1	3500	19.5
2	1600	25
3	800	22
4	450	22

Nº	Q (m <sup>3</sup> /h)	H (m)
***	144	22
2	114	22

Legend

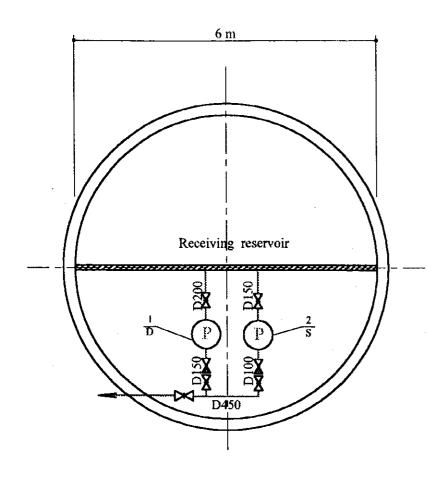
= screens

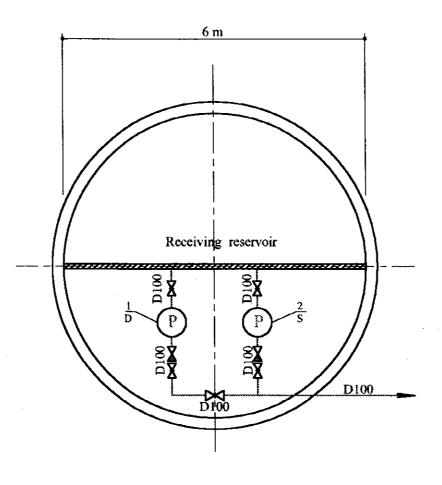
macerator (not working)

N°	Q (m <sup>3</sup> /h)	H (m)
1	250	22
2	144	22

PROJECT	The Feesibi Supply and of Astana	lity Study on Sewerage in	Water the City
DRAWING TITLE	WASTEWATER COLLECTION SYSTEM SCHEMATIC ARRANGEMENT OF PUMP STATIONS TO BE REHABILITATED (3/6)		
D4	11	SCALE	SHEET NO.
MARCE ROOL		not to souls	B-14

Note:  $\frac{4}{D}$ : duty  $\frac{2}{S}$ : standby





3 m	
Receiving reservoir	
95 X 95 X	
P P P S	
	<del>-</del>

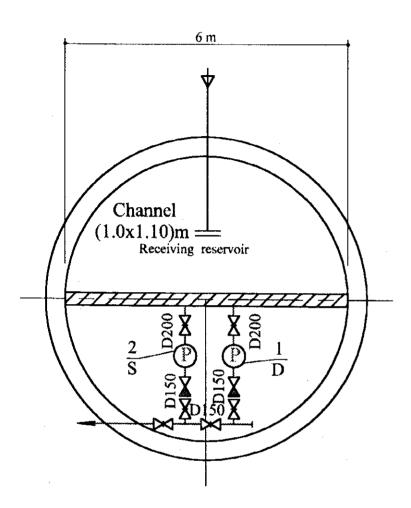
Nº	Q (m <sup>3</sup> /h)	H (m)
1	250	22
2	144	22

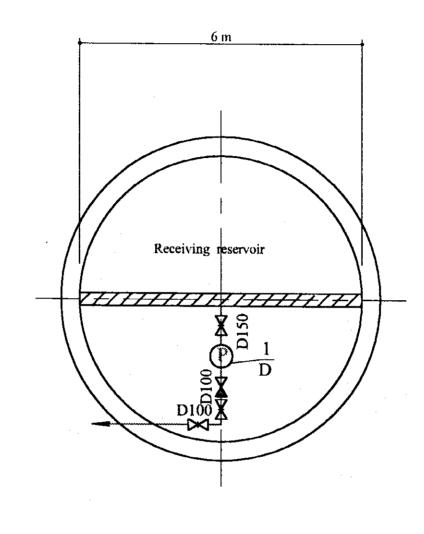
Nº	Q (m <sup>3</sup> /h)	H (m)
1	114	22
2	114	22

Nº	Q (m <sup>3</sup> /h)	H (m)
1	114	11
2	114	11

	4
Note:	$\overline{D}$ : duty
	2
	S: standby

PROJECT	The Fearibility Study on Water Supply and Sewerage in the City of Astana
MAYING TITLE	WASTEWATER COLLECTION SYSTEM SCHEMATIC ARRANGEMENT OF PUMP STATIONS TO BE REHABILITATED (4/8)





3 m	
Receiving reservoir  OSIG  D  OSIG  D  OSIG  D	

N°	Q (m <sup>3</sup> /h)	H (m)
1	250	22
2	250	22

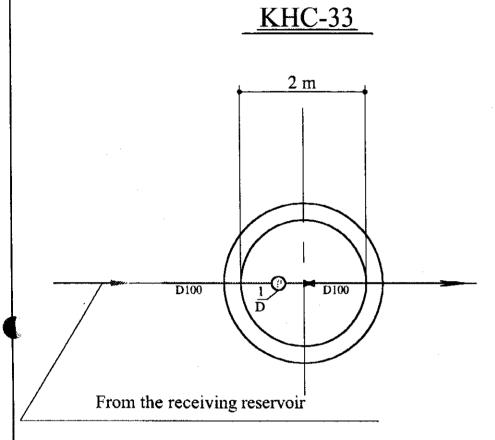
N°	Q (m <sup>3</sup> /h)	H (m)
1	80	20

N°	Q (m <sup>3</sup> /h)	H (m)
1	50	N.A.

Note:	$\sqrt{\frac{1}{D}}$ : duty
	$\sqrt{S}$ : standby

Legend = screens

PROJECT	The Feasibi Supply and of Astana	lity Study on Sewerege in	Water the City
DRAVING TITLE	SCHEMATIC	COLLECTION ARRANGEMENT D HE REHABIL	OF PUMP
DA	TE .	SCALE	SHEET NO.
MARCE	2001	not to scale	B-16



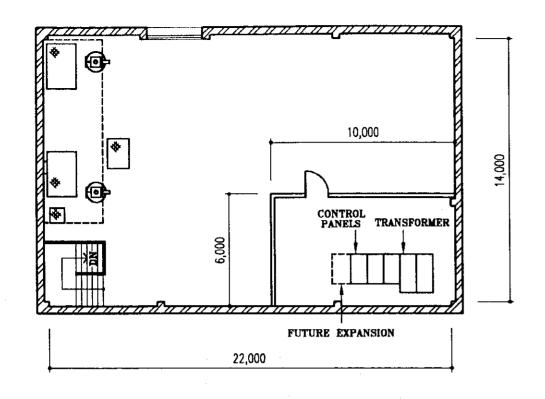
<u>KHC-34</u>	
3 m	
Receiving reservoir  1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 m

Ν°	Q (m <sup>3</sup> /h)	H (m)
1	50	11.5

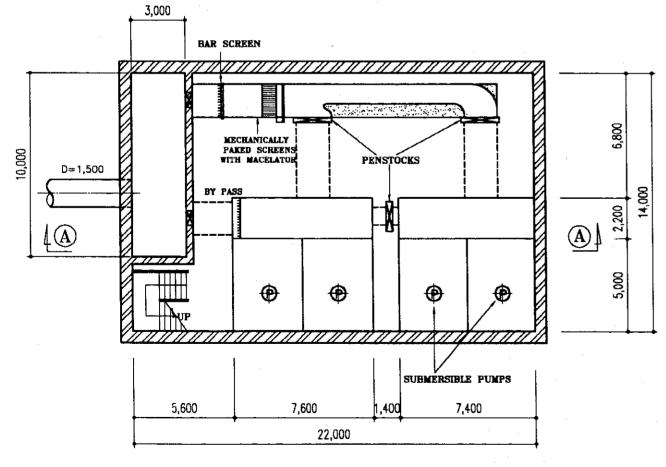
N°	Q (m <sup>3</sup> /h)	H (m)
1	50	11.5

Note:  $\frac{4}{D}$ : duty  $\frac{2}{S}$ : standby

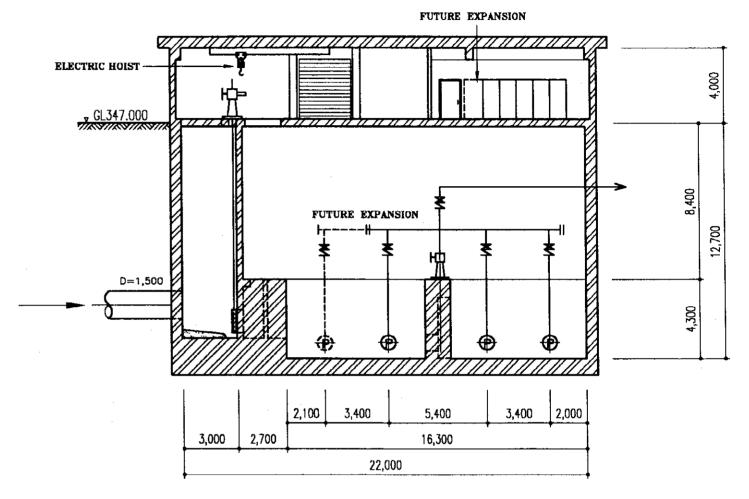
PROJECT	The Feasibility Study on Water Supply and Sewerage in the City of Astana		
DRAVING TITLE	SCHEMATIC	COLLECTION ARRANGEMENT DE REHABIL	OF PUMP
· DA	TE	SCALE	SEKET NO.
MARKE	-		D 17



#### PLAN (GROUND FLOOR) S=1/200



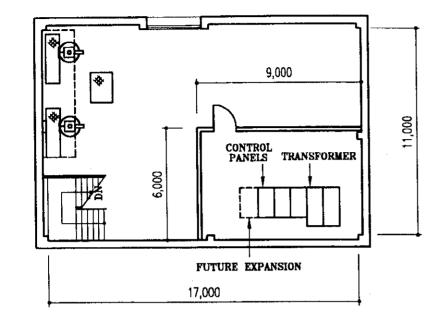
PLAN (BASEMENT PUMP FLOOR) S=1/200



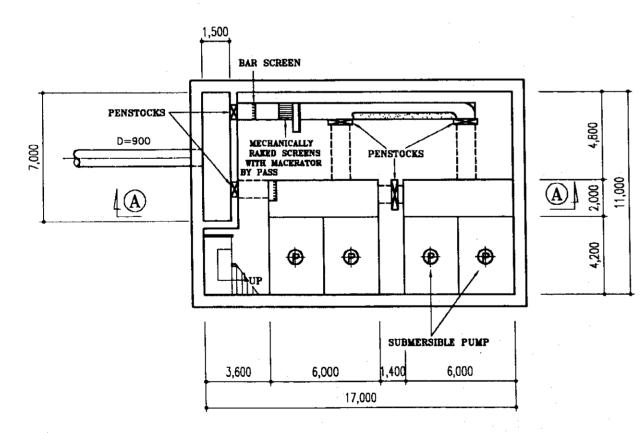
 $\triangle$  -  $\triangle$  SECTION S=1/200

PROJECT		sibility Study and Sewerage a	
DRAWING TITLE		ER COLLECTION S WASTEWATER PU	
DAT	Ē.	SCALE	SHEET NO.
WARCH	2001	1/200	R-18

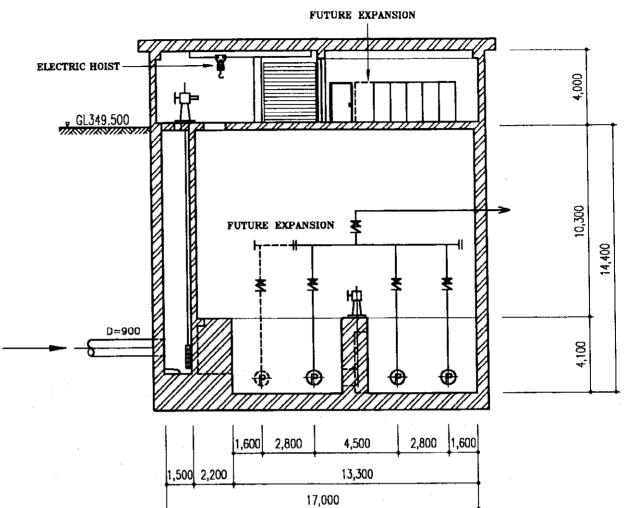
|R-IR|



PLAN (GROUND FLOOR) S=1/200

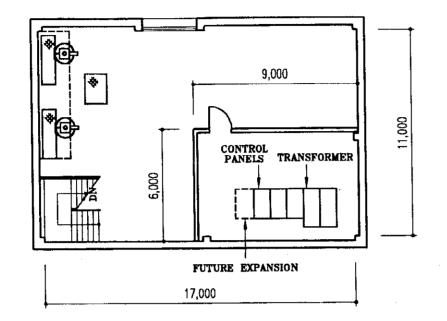


PLAN (BASEMENT PUMP FLOOR) S=1/200

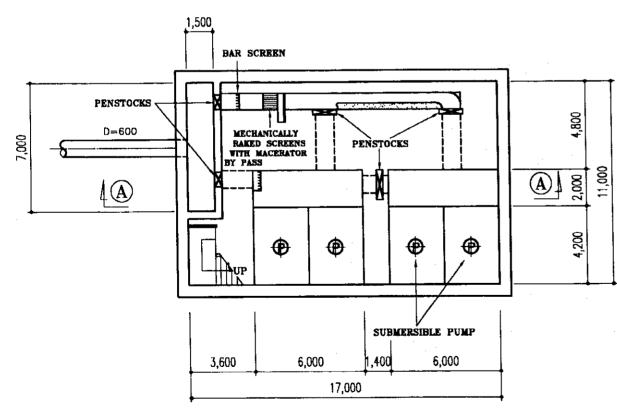


(A) - (A) SECTION S=1/200

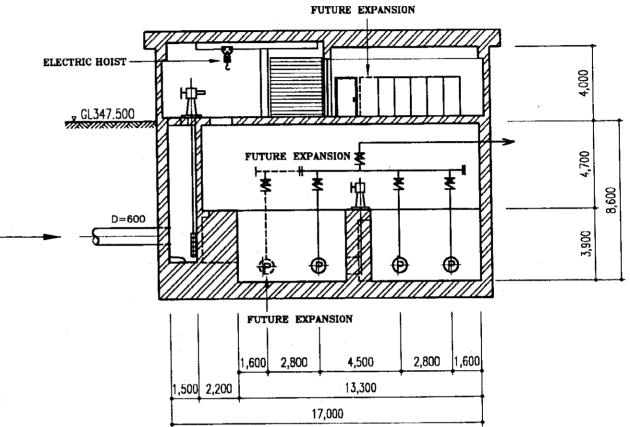
PROJECT	The Feasibility Study on Water Supply and Sewerage in the City of Astana		
DRAWING TITLE	WASTEWATER COLLECTION SYSTEM PROPOSED WASTEWATER PUMP STATION RHC-51		
DAT	<u> </u>	SCALE	SHEET NO.
MARCH 2001		1/200	D - 10



PLAN (GROUND FLOOR) S=1/200



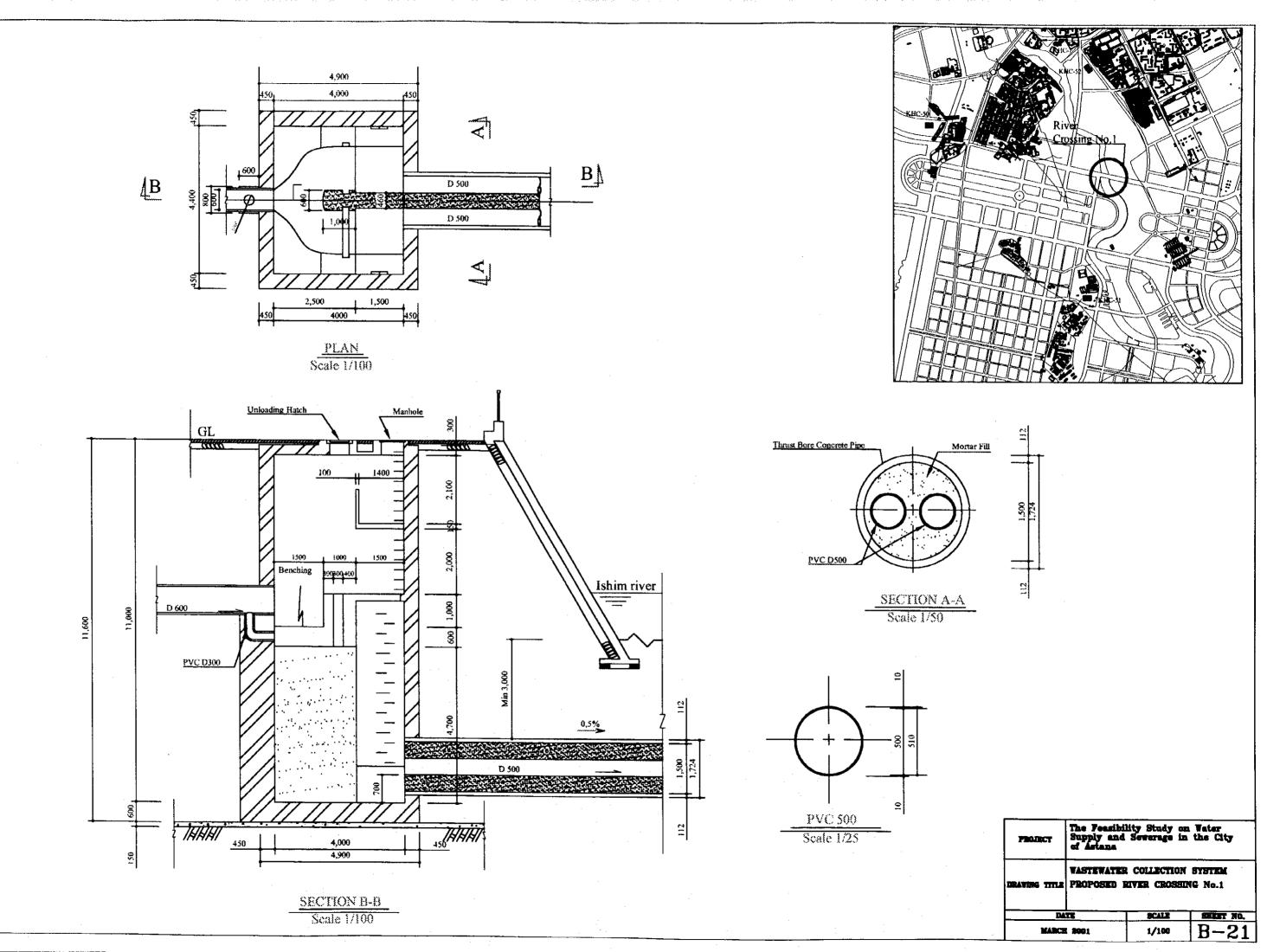
PLAN (BASEMENT PUMP FLOOR) S=1/200

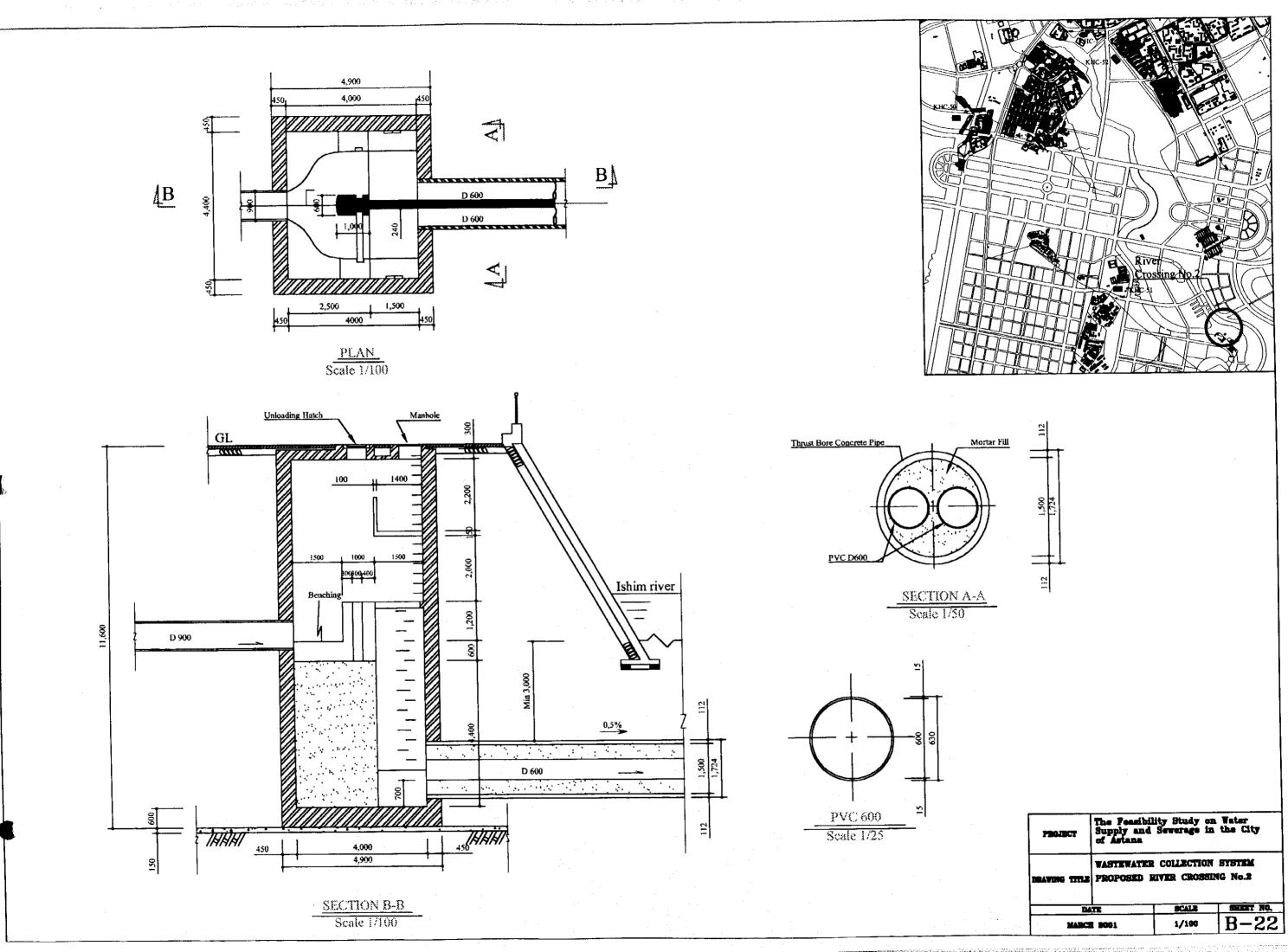


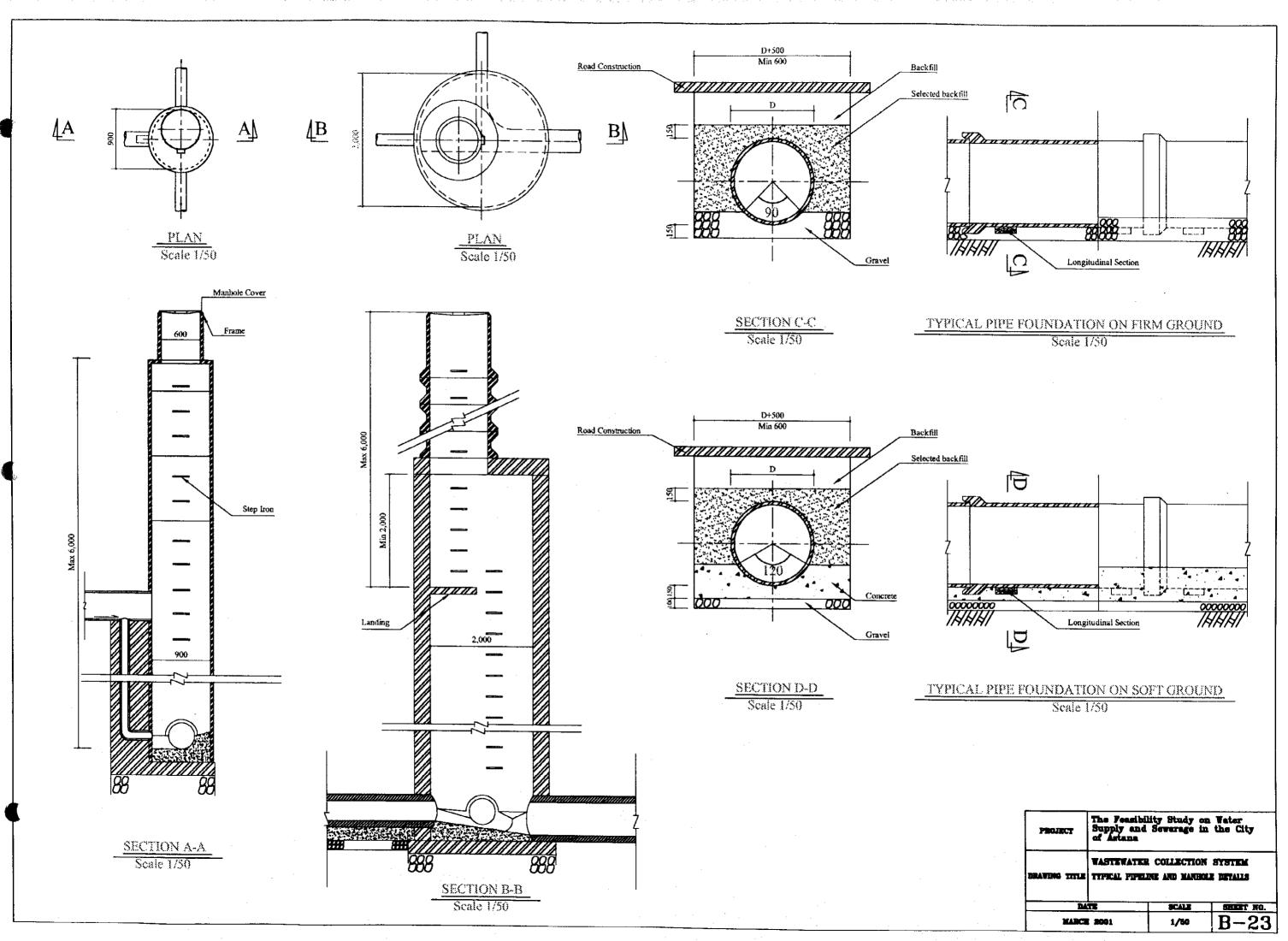
(A) - (A) SECTION S=1/200

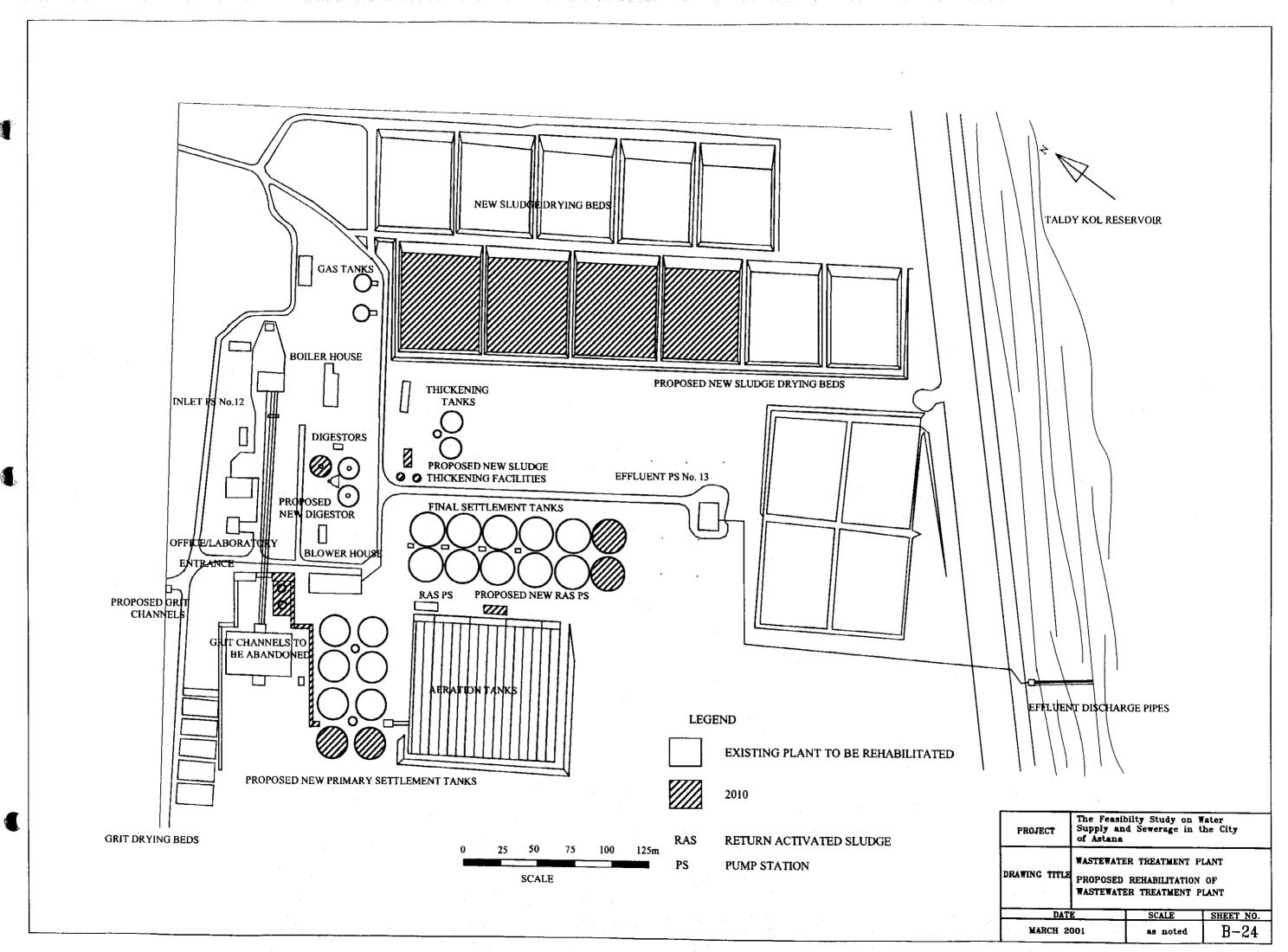
DRAWING TITLE PROPOSED WASTEWATER PUMP STATION KHC-52	PROJECT	The Feasibility Study on Water Supply and Sewerage in the City of Astana
	DRAWING TITLE	PROPOSED WASTEWATER PUMP STATION

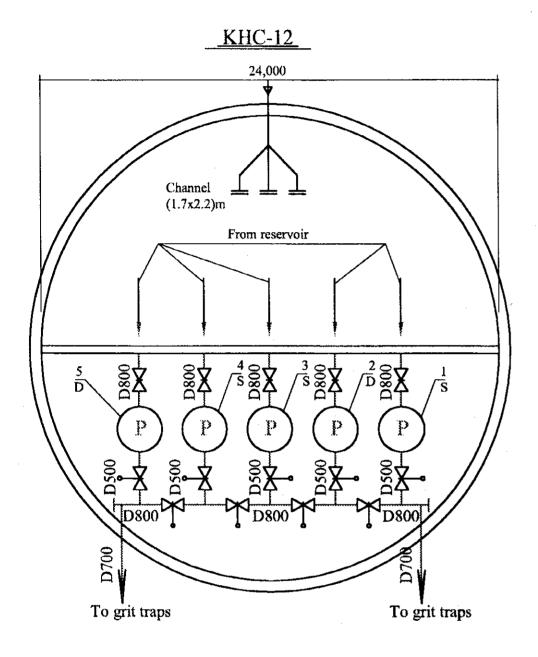
DATE	SCALE	SHEET NO.
MARCE 2001	1/200	B-20







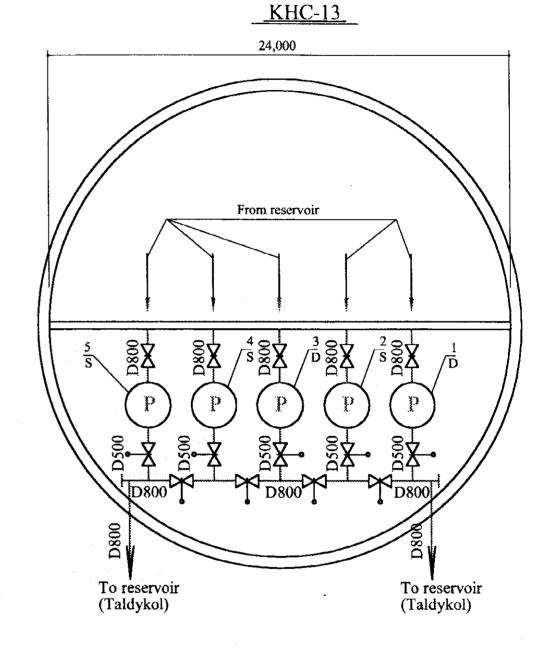




1-CDV-2700/26.5 2-CDV-2700/26.5 3-CDV-2700/26.5 4-CDV-2700/26.5 5-CDV-2700/26.5

= screens

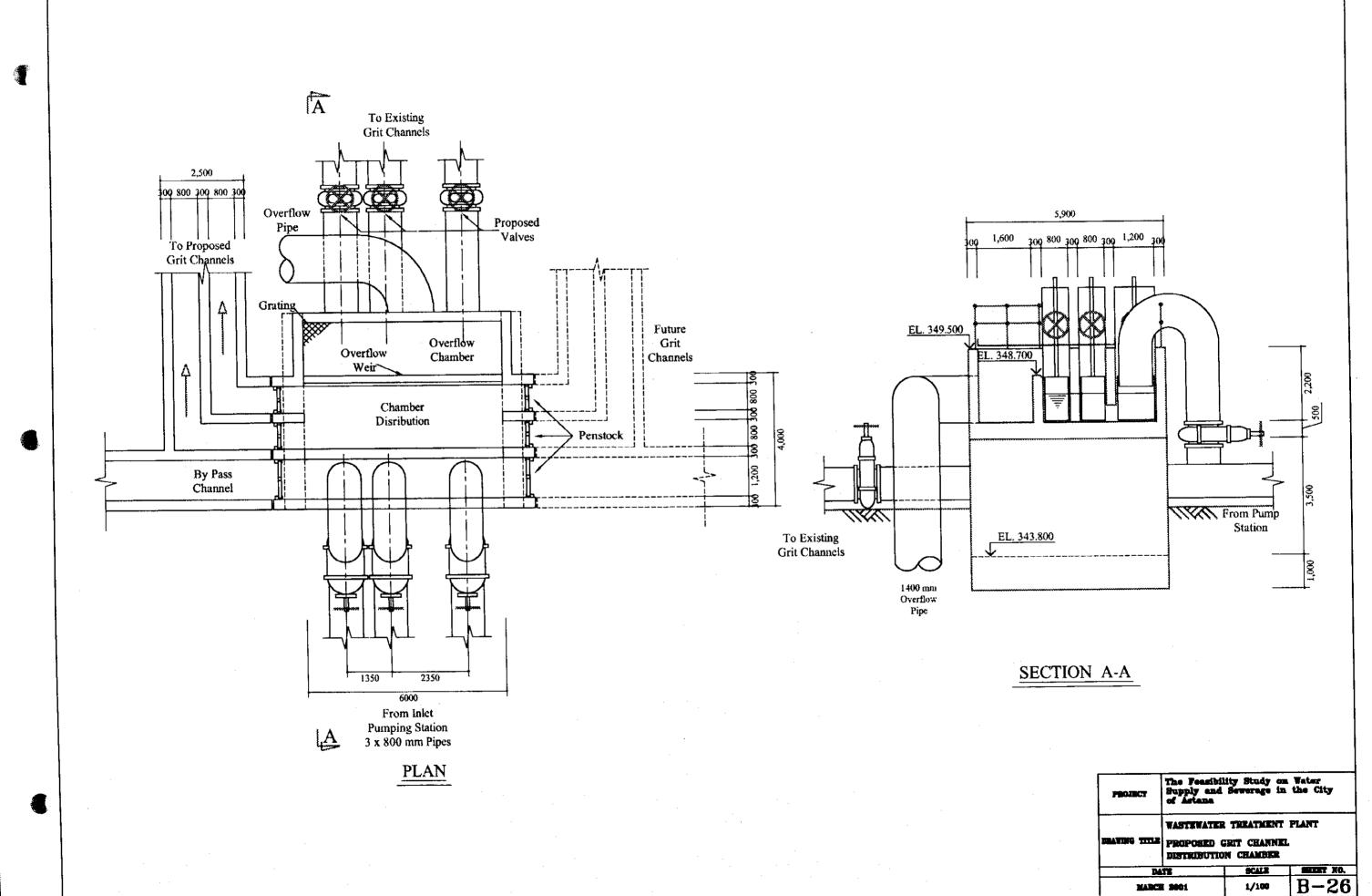
Legend

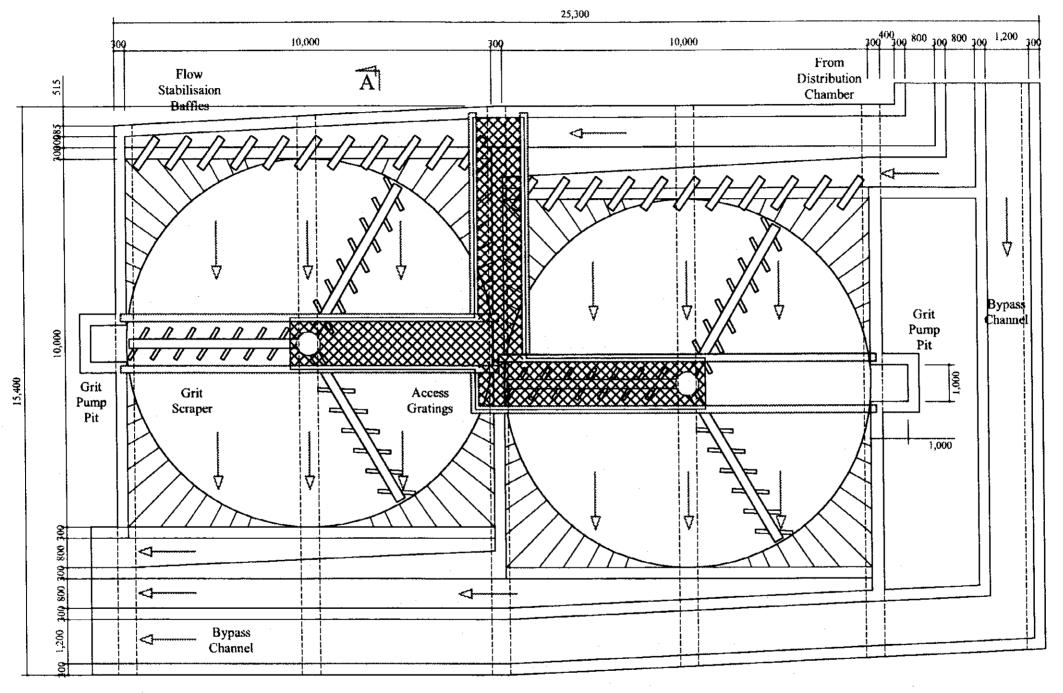


1-CDV-2700/26.5 2-CDV-2700/26.5 3-CDV-2700/26.5 4-CDV-2700/26.5 5-CDV-2700/26.5

4
D: duty
2
$\sqrt{S}$ : standby

PROJECT	The Fessibility Study on Water Supply and Sewerage in the City of Astana		
MAYING TITLE	WASTEWATER TREATMENT PLANT SCHEMATIC ARRANGEMENT OF PUMP STATIONS No.12 and No.13		
DATE SCALE		SHEET NO.	
MARCH 2001		1/200	B-25



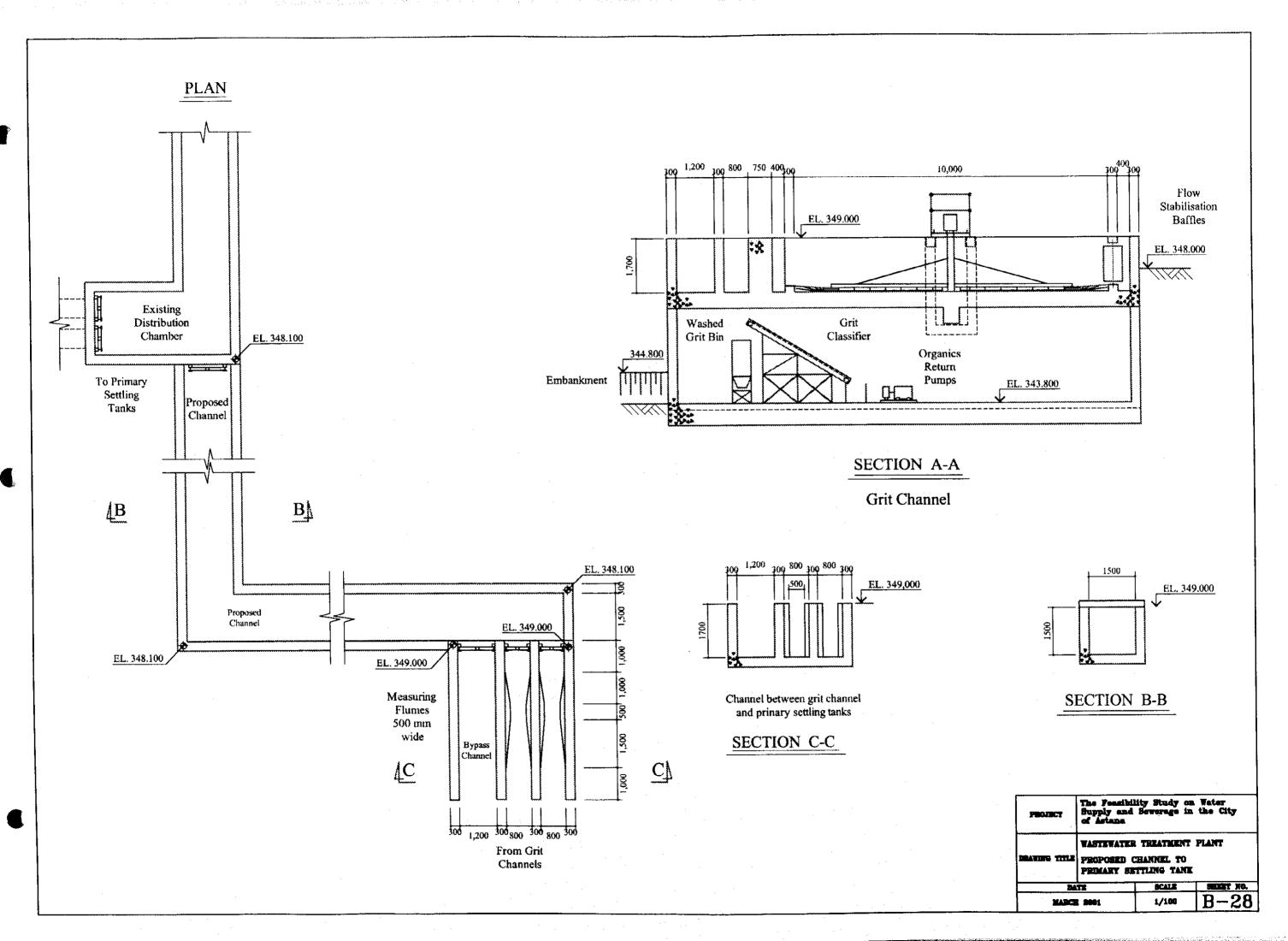


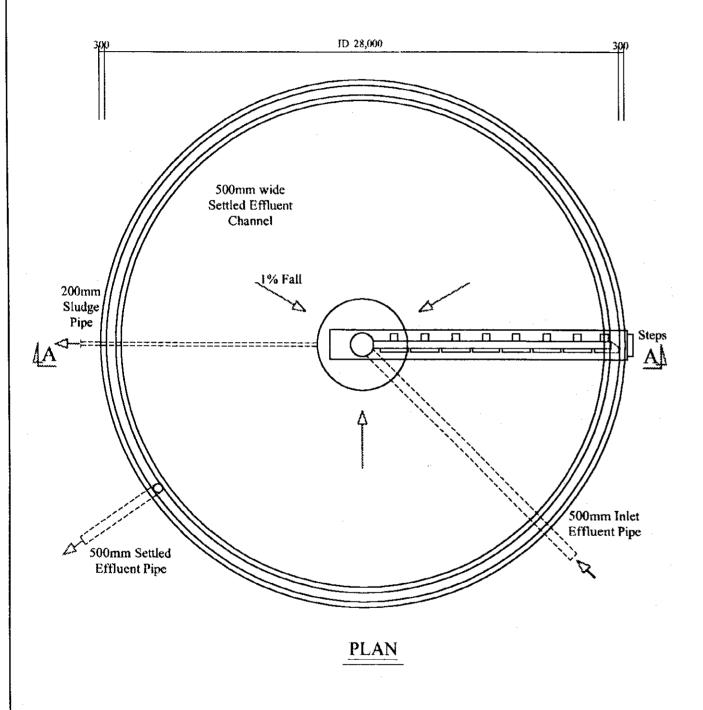
To Measuring Flumes and Primary Settling Tanks

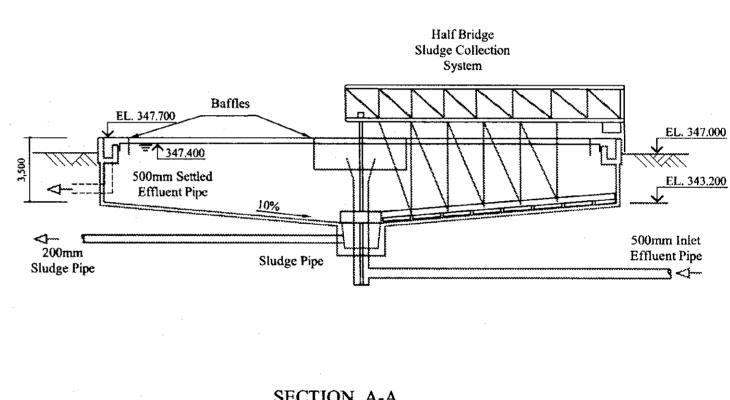
A

**PLAN** 

PROJECT	The Feesibil Supply and of Astana	ity Study on Sowerage in	Water the City
DRAVING TIME	WASTEWATER TREATMENT PLANT PROPOSED HORIZONTAL FLOW CHIT CHANNEL		
D4	DATE SCALE SHEET NO.		
MARCH ROGI		1/100	B-27

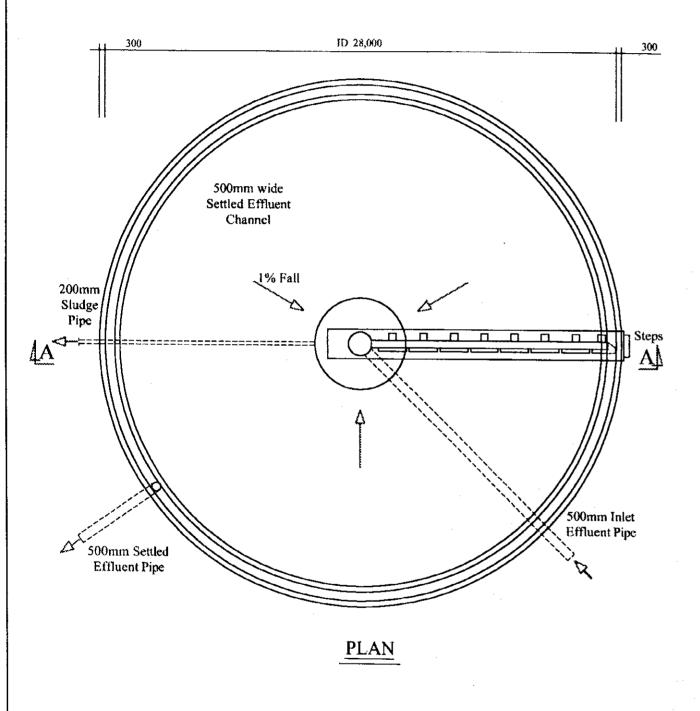


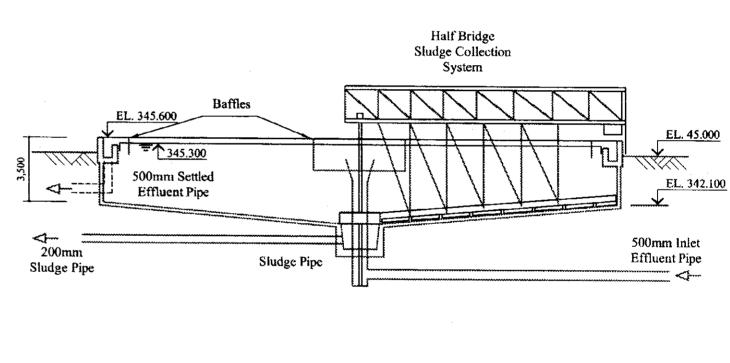




**SECTION A-A** 

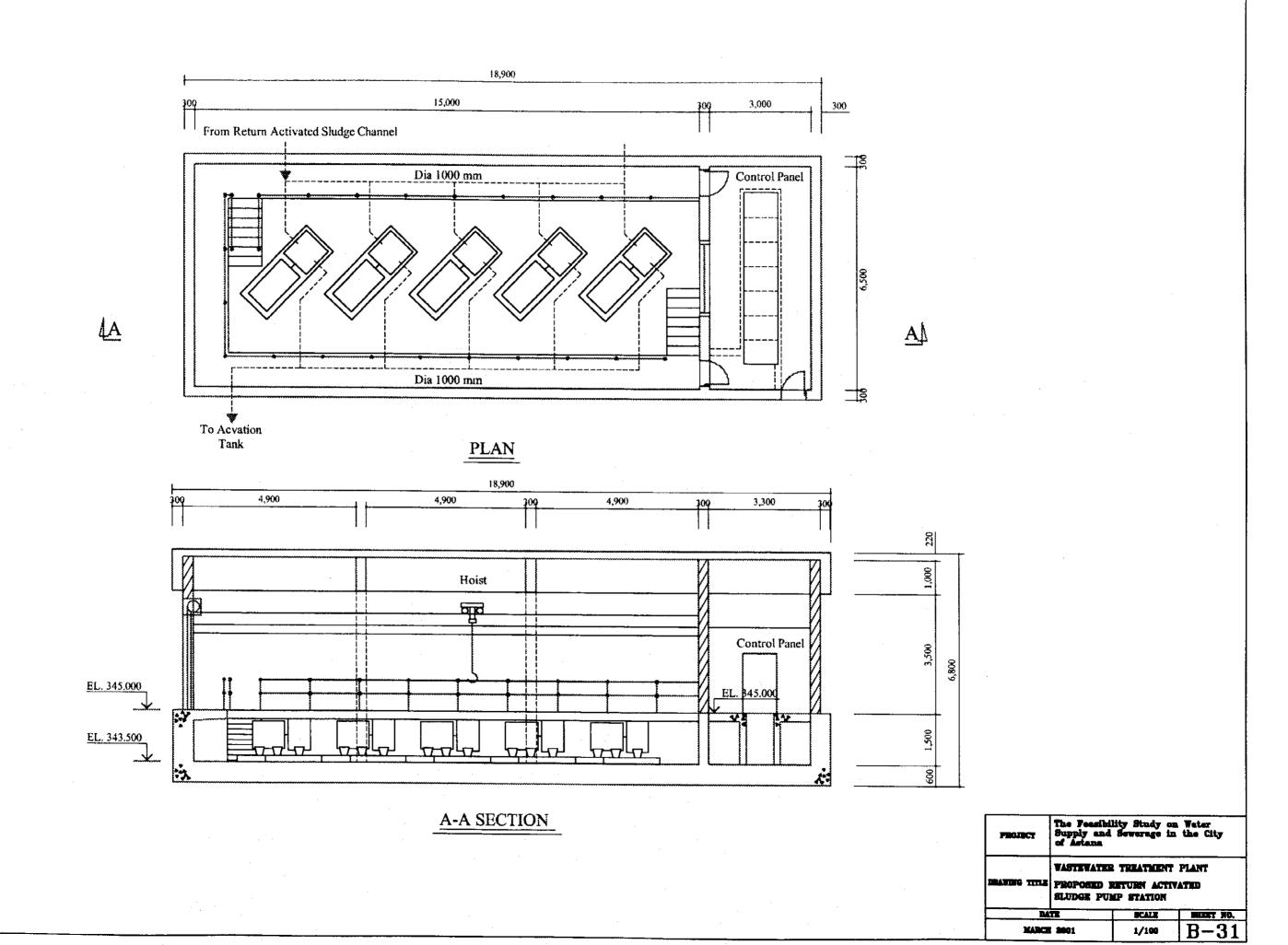
PROJECT	The Feasibi Supply and of Astana	lity Study on Sewerage in	Water the City
DRAYING TH	PROPOSED 1	R TREATMENT PRIMARY I TANK (#8)	PIANT
DATE SCALE SHEET		MULET NO.	
MAI	KE 2001	1/200	B-29

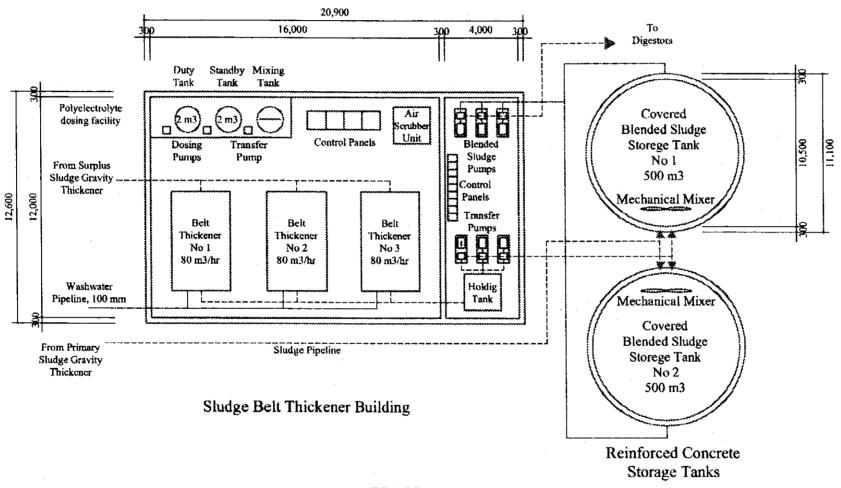




SECTION A-A

PROJECT	The Fensibi Supply and of Astana	lity Study on Sowerage in	Water the City
DRAVING TITLE		TREATMENT FINAL TANK (#2)	PLANT
DATE SCALE SHEET N		CHEET NO.	
MARCE	<b>1 1001</b>	1/200	B-30





**PLAN** 

PRODUCT	The Feasibility Study on Water Supply and Sewerage in the City of Astana  WASTEWATER TREATMENT PLANT PROPOSED SLUDGE BELT THICKENENER FACILITY		
DEATED TITLE			
DATE SCALE SELECT N		SELECT NO.	
MARCE SOO1		1/200	B-32

