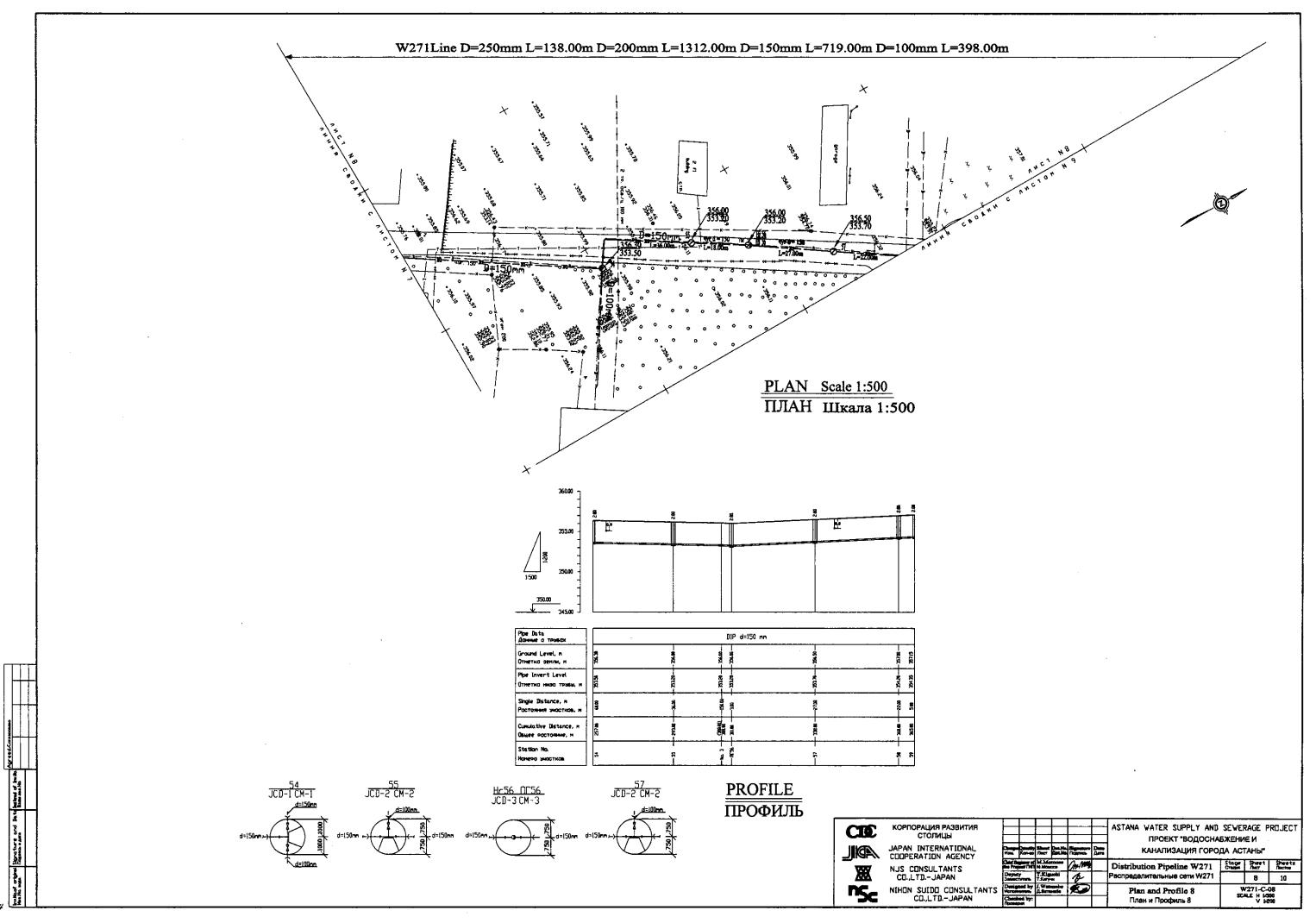
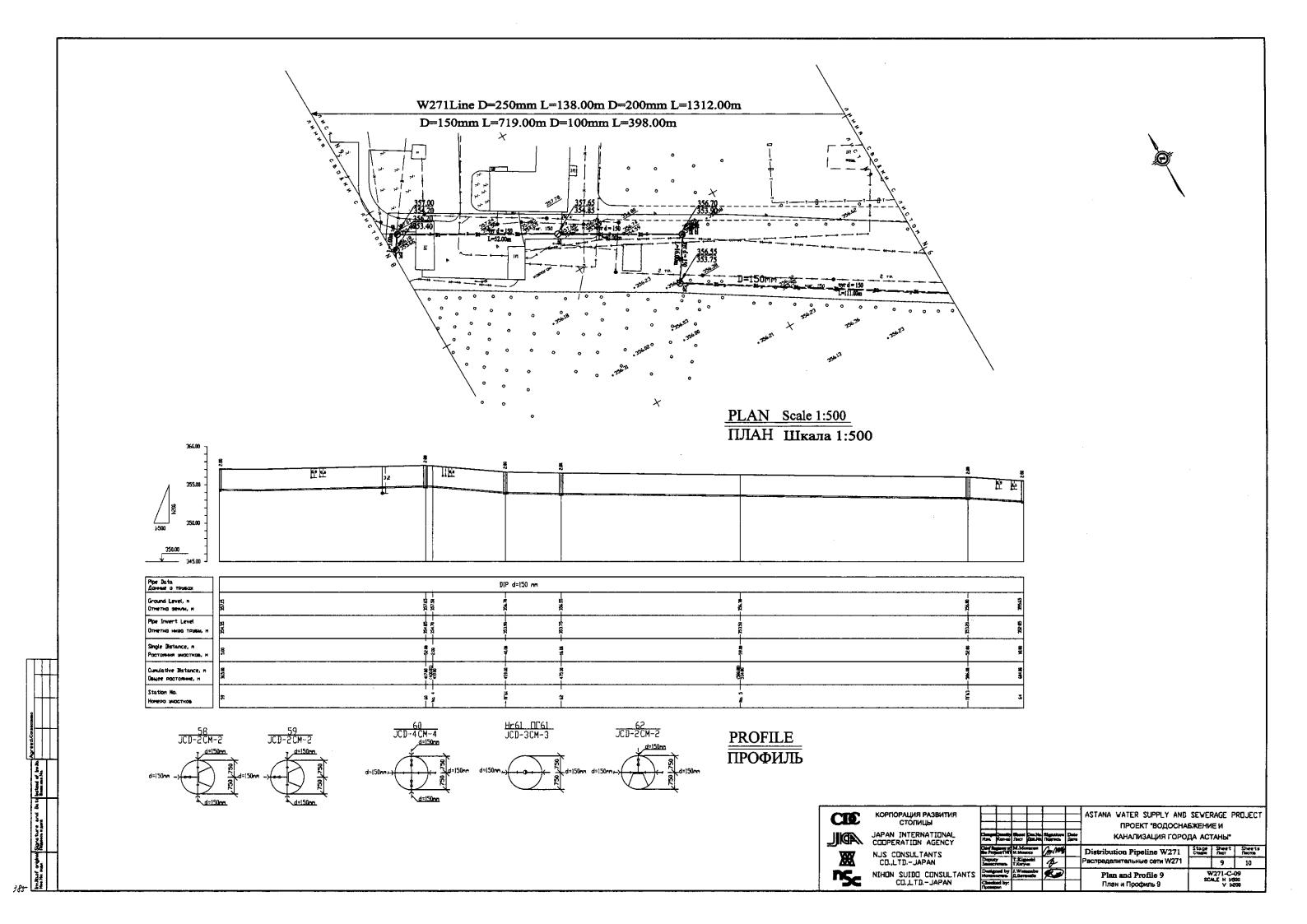
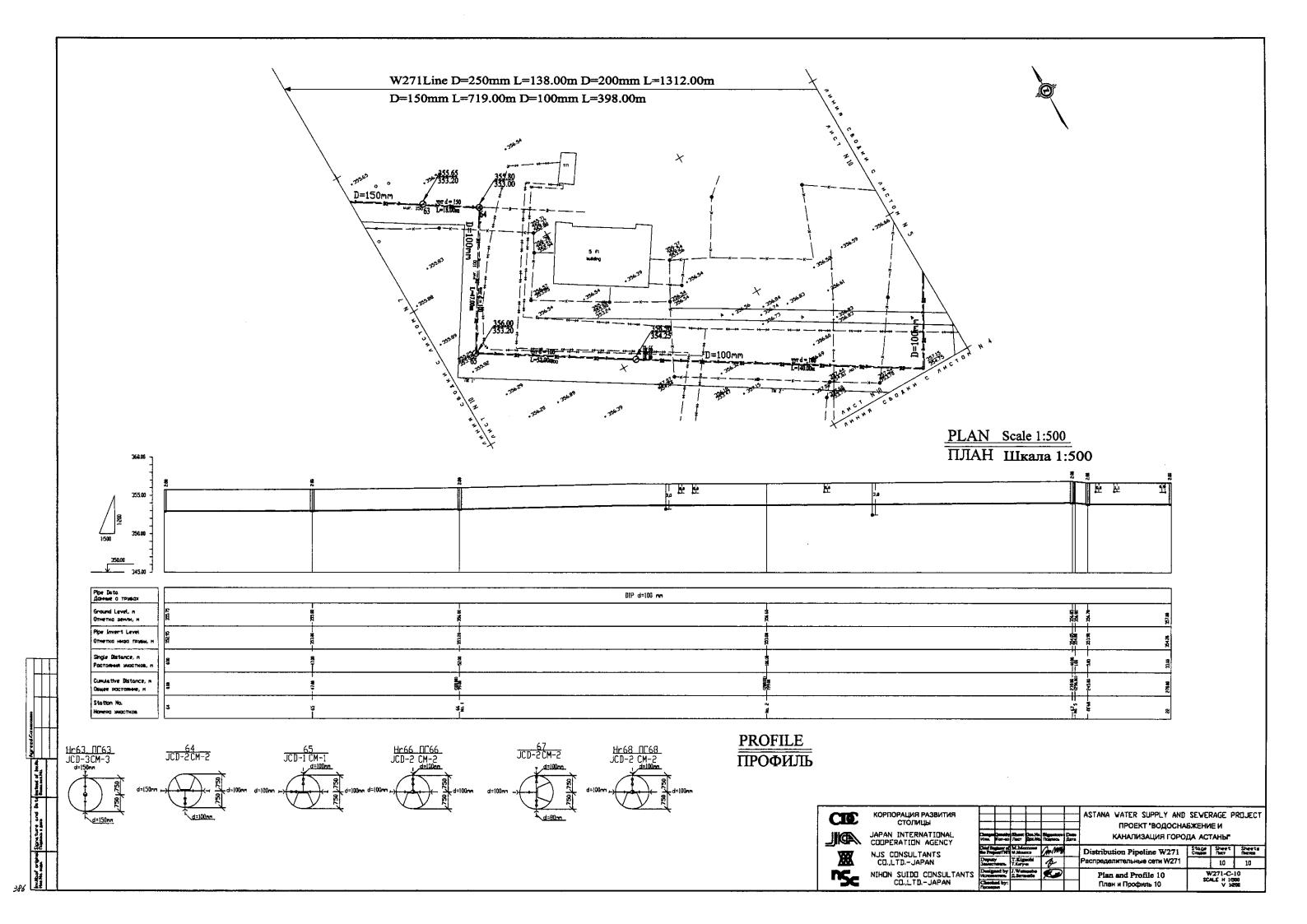
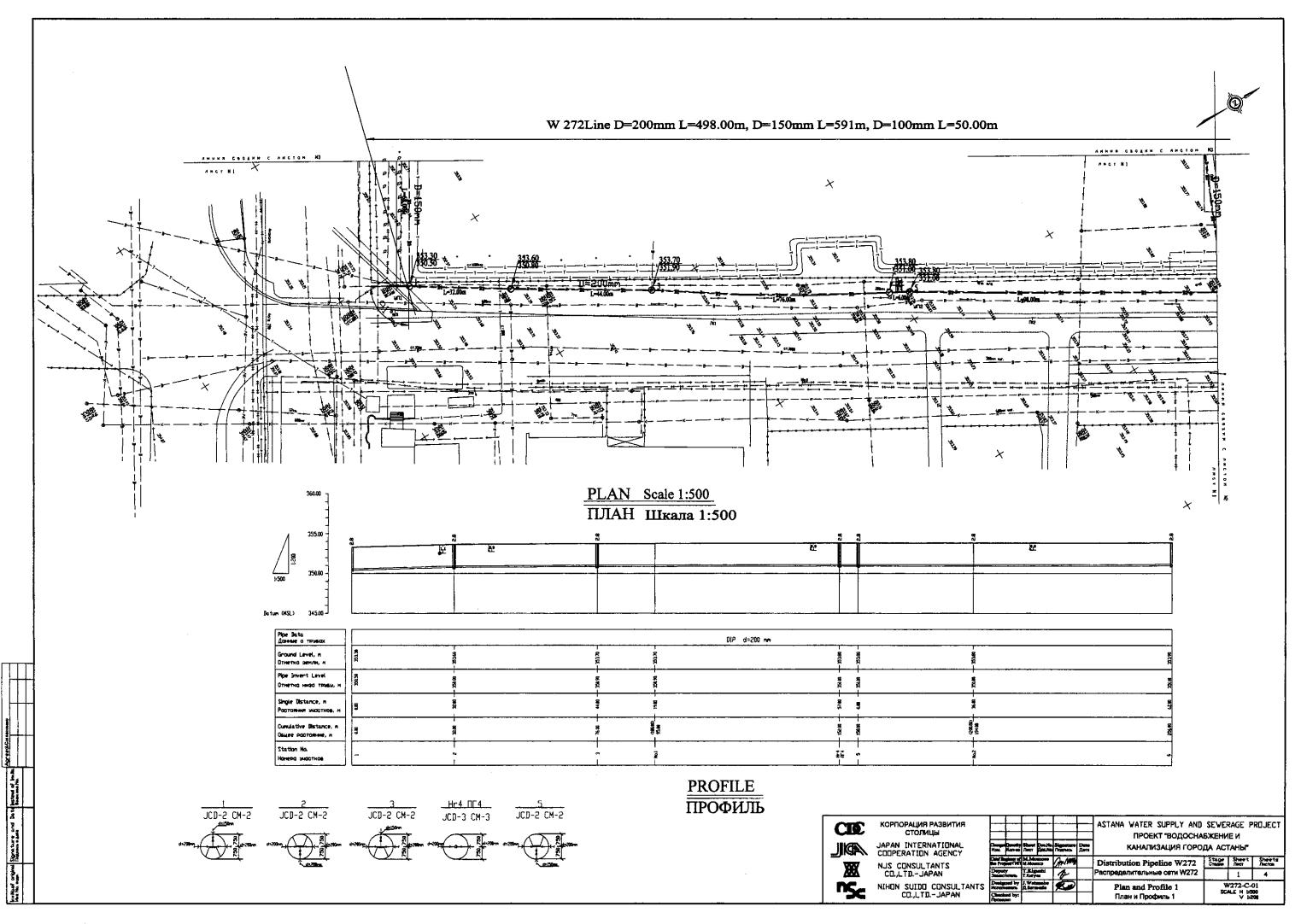


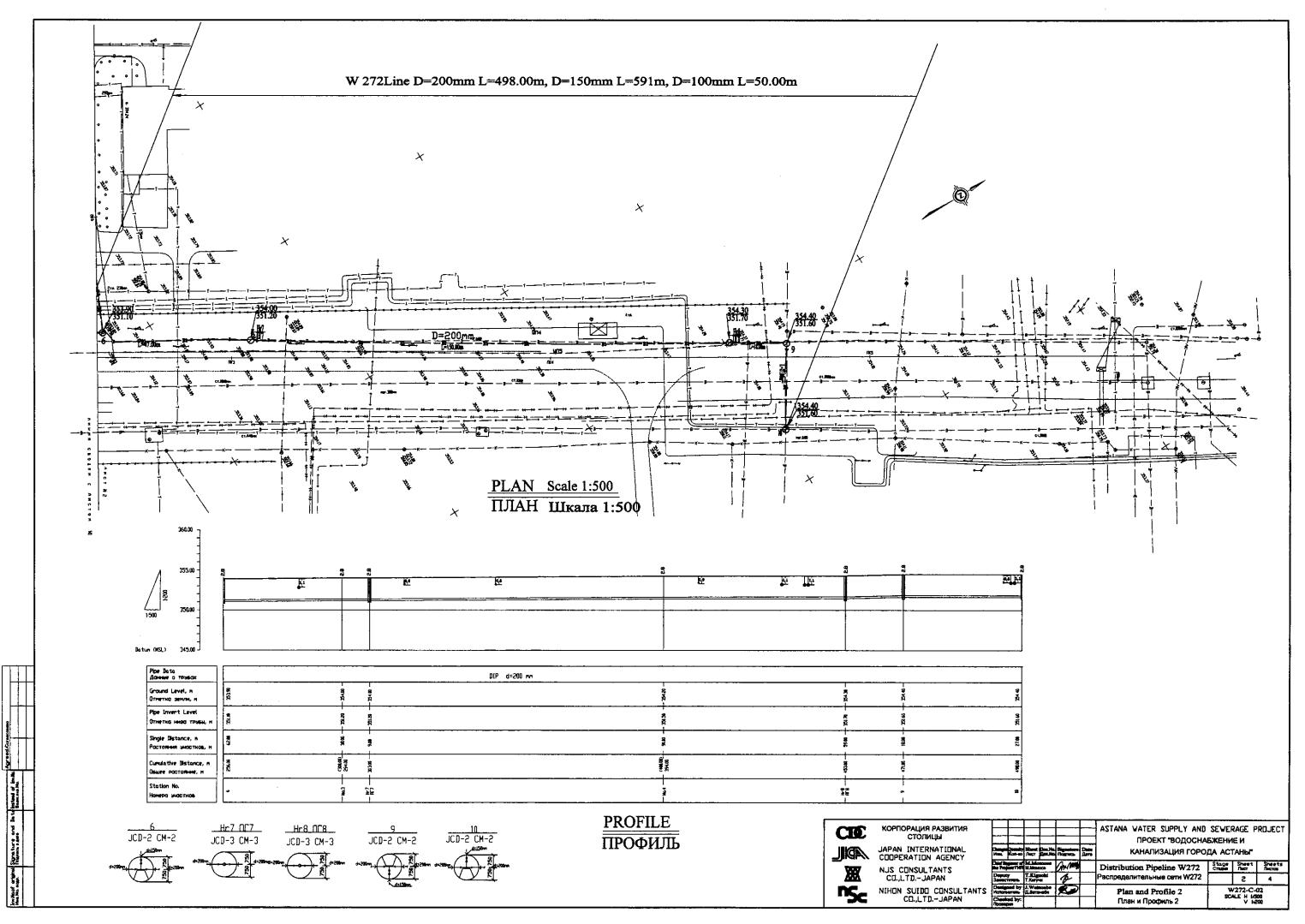
₹.

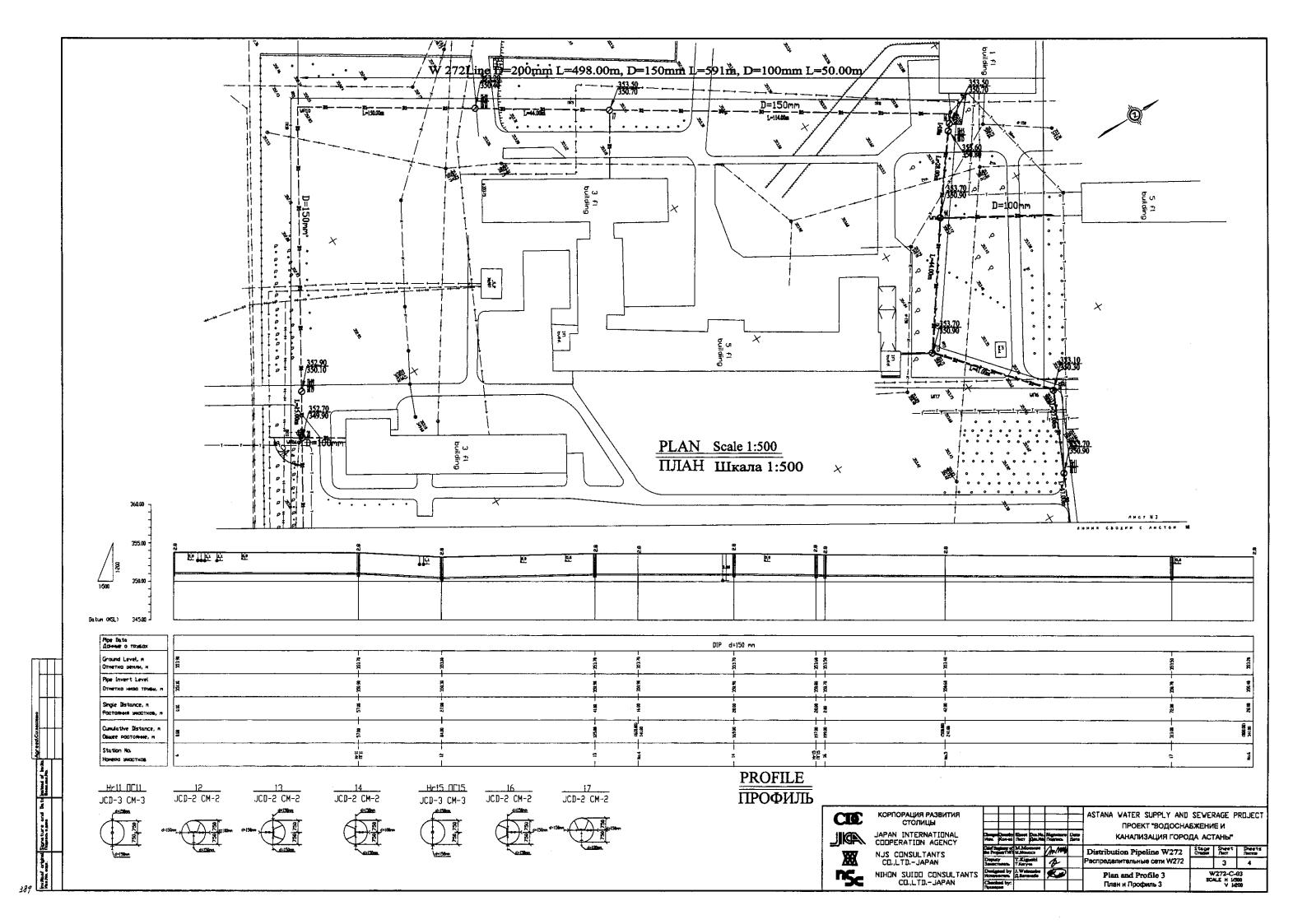


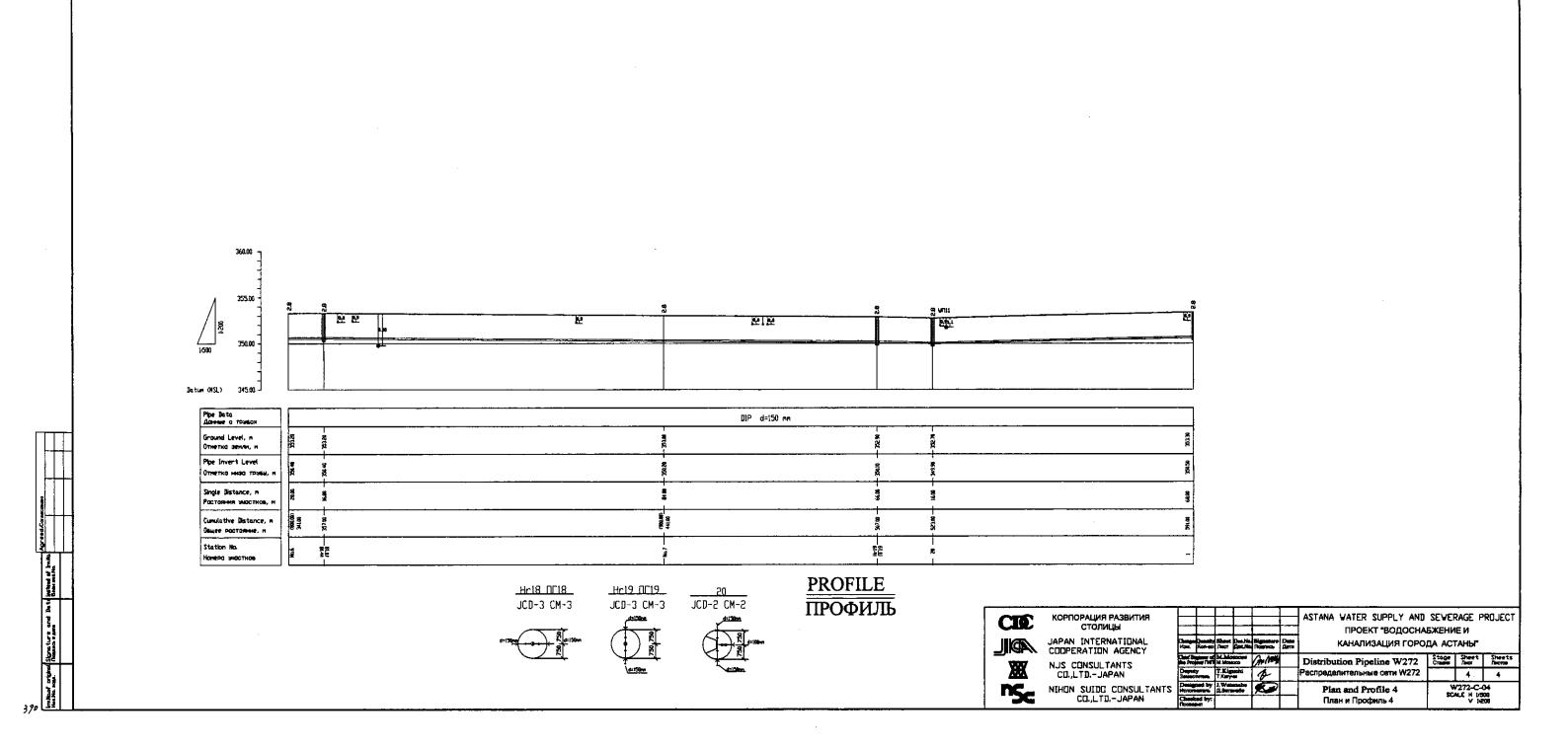


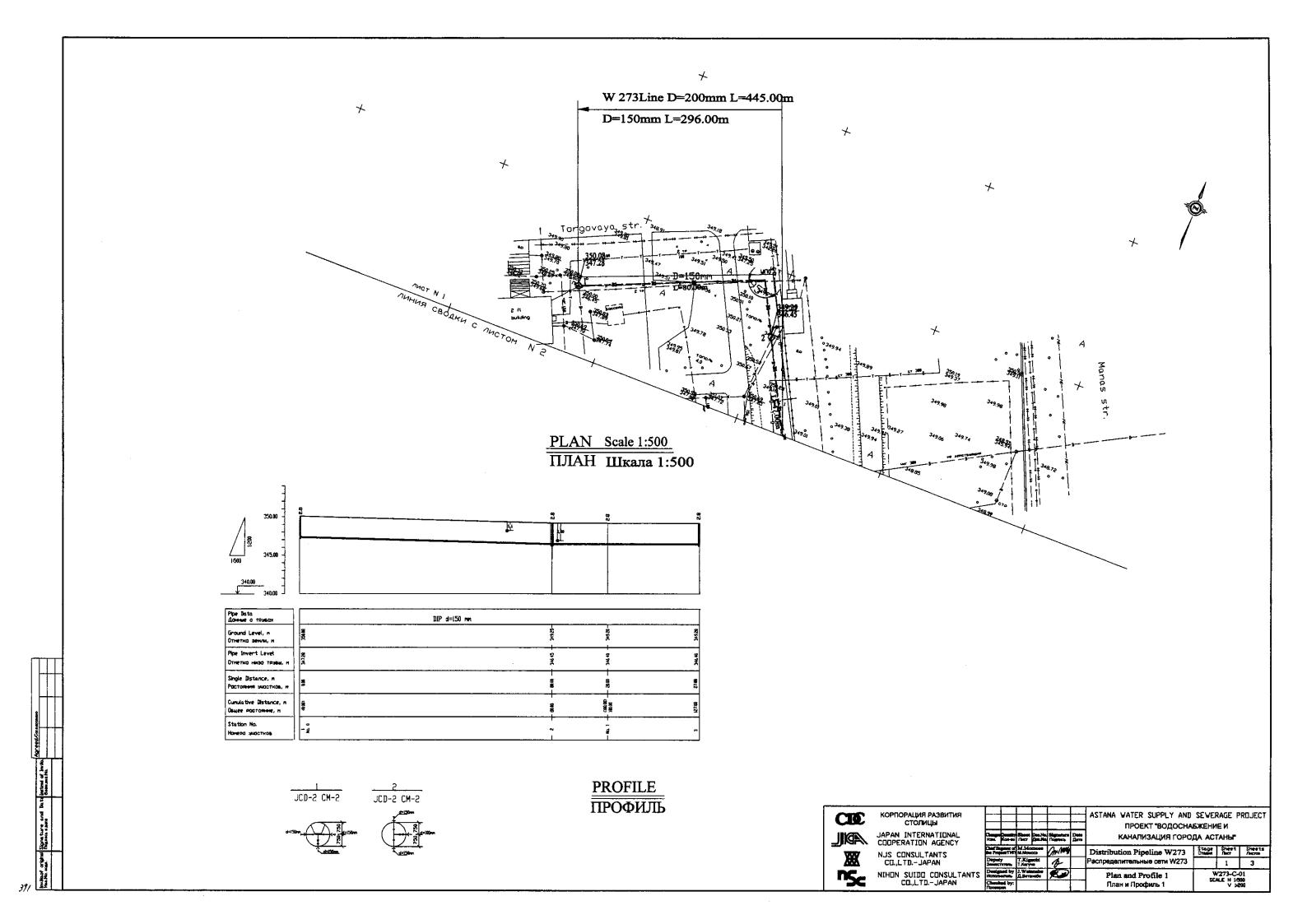


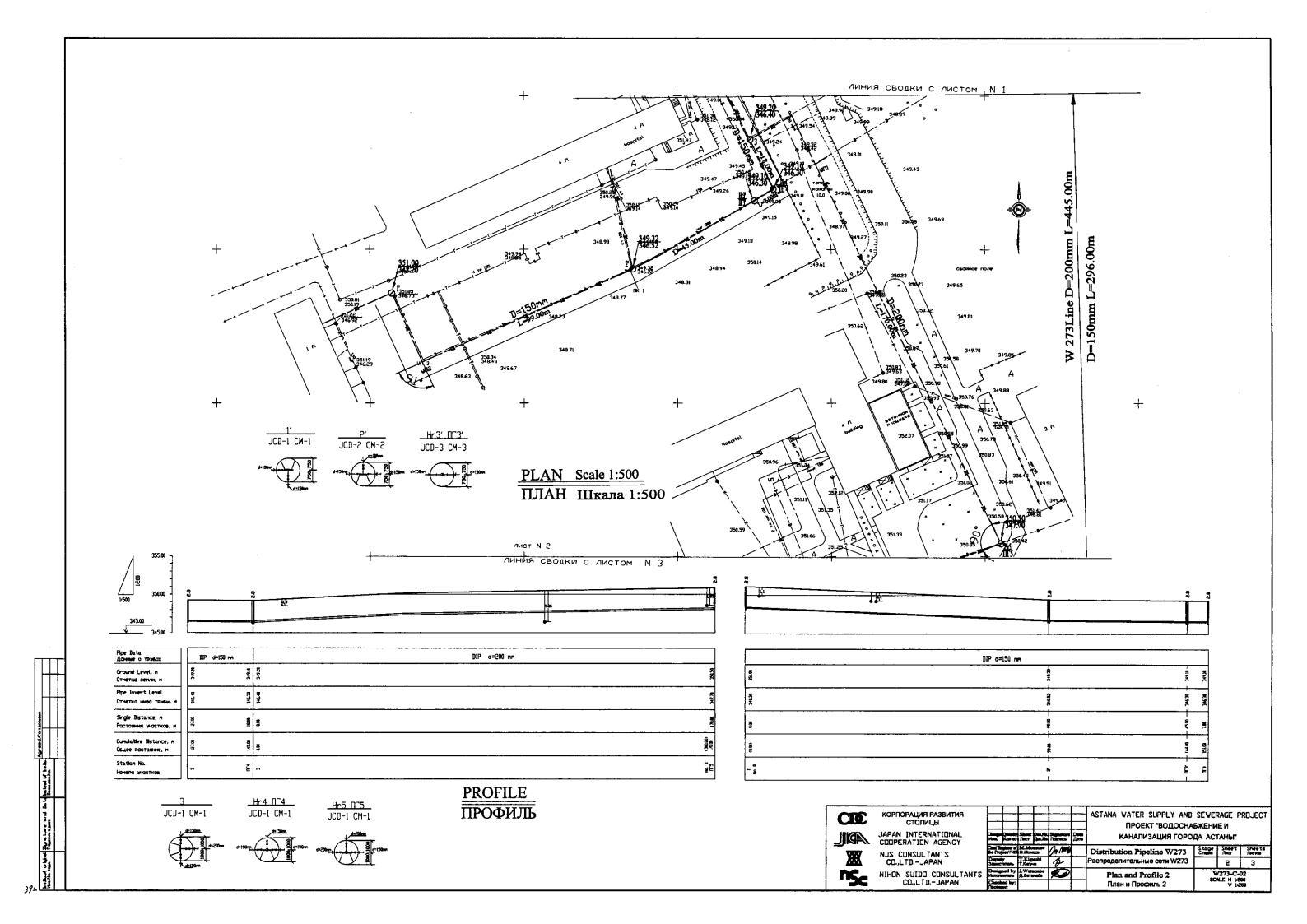


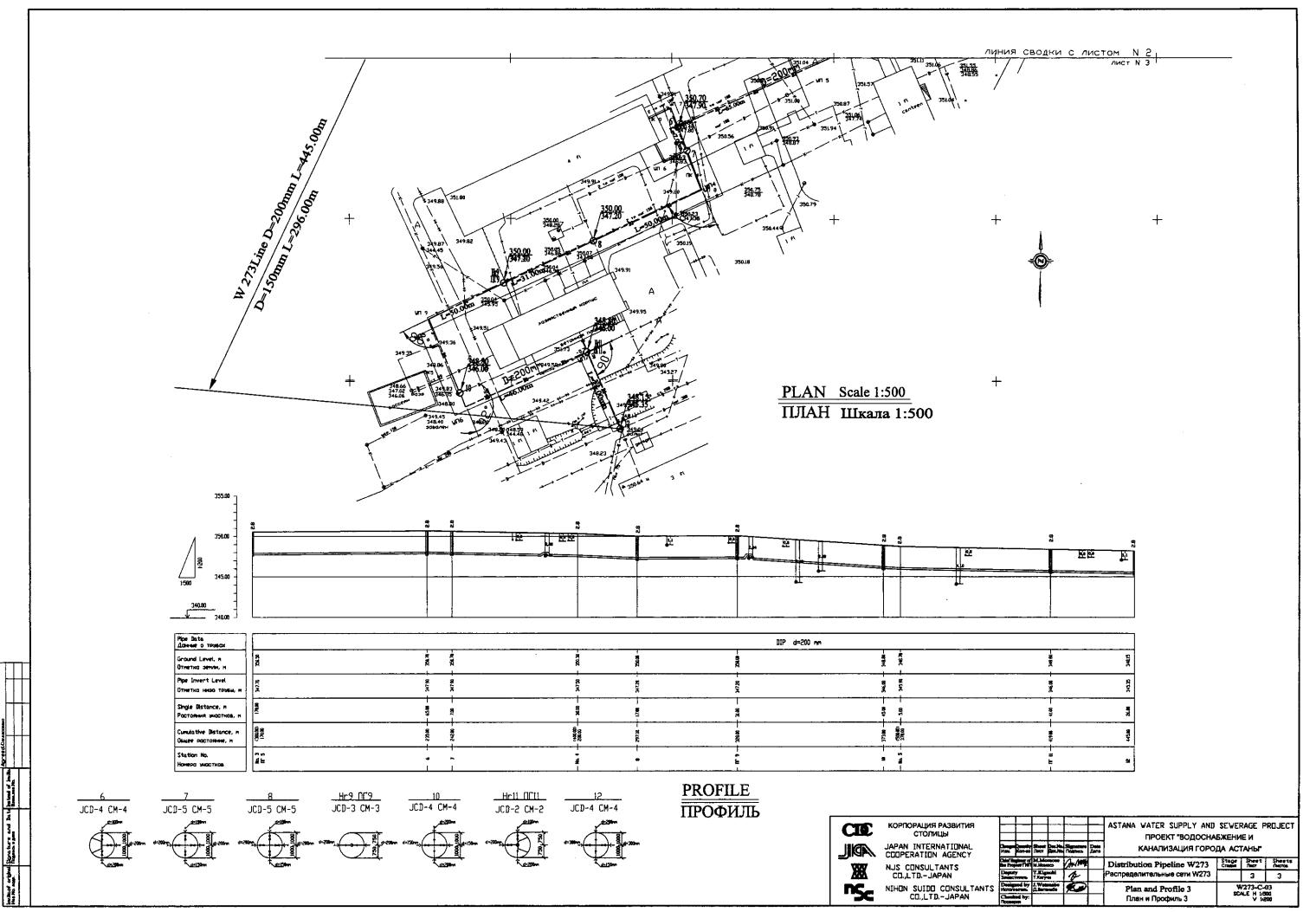


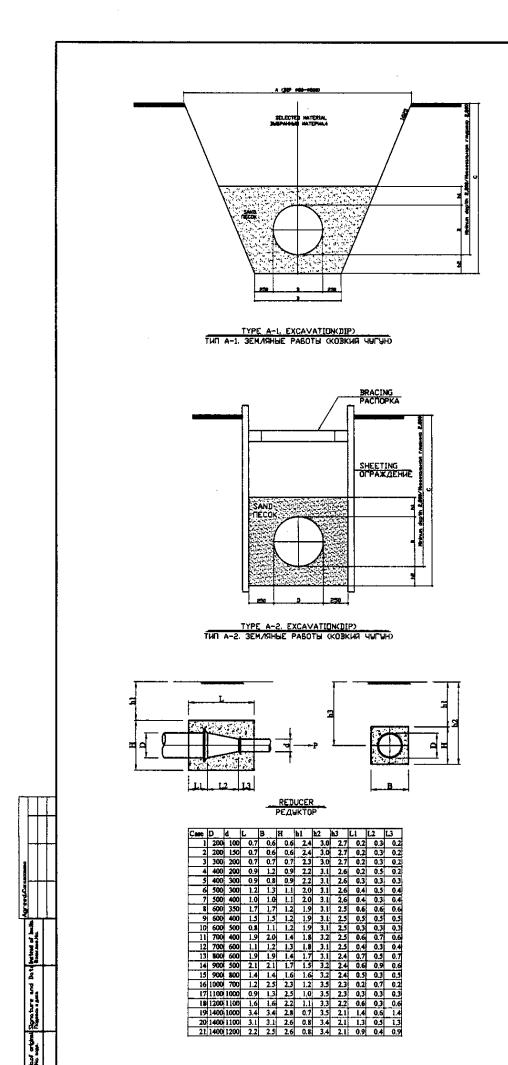


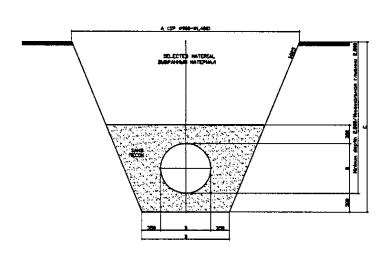




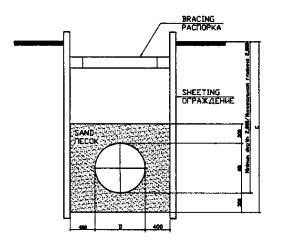




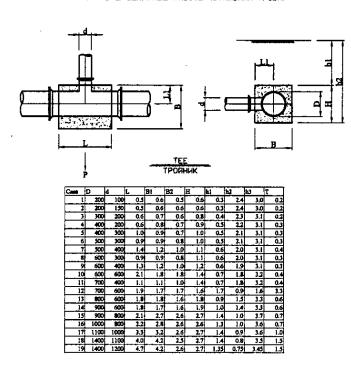




TYPE B-L. EXCAVATION(SP)
TUR B-L. GEMJARHUE PABOTU (CTAJUHAR TPUBA)



TYPE 8-2. EXCAVATION(SP)
TUR 8-2. SEM/ARHE PAGOTE (CTA/EHAR TPUGA)



THRUST BLOCK-1 УПОРНЫЙ БЛОК

TYPE A : EXCAVATION FOR DIP UNIT(mm)
THI A : 3EMARHUE PASOTU (AR NUMHOFO TPUSORPOBO(A EAUSM, GHD)

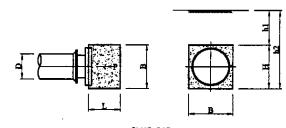
D	hl	h2	Α	B	С
80	100	500	2080	580	3000
100	100	500	2100	600	3000
150	100	200	2150	650	3000
200	100	500	5500	700	3000
250	100	500	2250	750	3000
300	100	500	5300	800	3000
400	200	500	2400	900	3000
500	200	200	2500	1000	3000
600	200	200	2600	1100	3000
700	200	200	2700	1200	3000
800	200	200	2900	1300	3006

D : NOMINAL DIAMETER HAPWXHHR ZHAMETP

TYPE B : EXCAVATION FOR SP UNIT(nm)
THT B : SEMARHAE PAGOTAL AM CTANAHOLO TPUBOIPOBODA EQUISM(sex)

OΦ	A	B	C
900	3150	1600	3100
1,000	3250	1700	3100
1,100	3350	1800	3100
1,200	3450	1900	3100
1,400	3650	2100	3100

D : NOMINAL DIAMETER



Cesu	D	L	9	H	hi	162
1	100	0.5	0.5	0.5	2.3	2.1
2	150	0.5	0.5	0.6	2.3	2.1
3	200	0.6	0.6	0.7	2.1	2.8
4	250	0.8	0.8	0.8	2.1	2.8
	300	0.9	1.0	0.9	1.9	2.8
. 6	400	0.9	1.6	1.0	1.8	2.1
. 1	500	1.7	1.9	1.2	1.6	2.8
	600	1.7	2.5	1.4	1.4	2.8
9	700	2.6	2.7	1.7	1.1	2.1
10	800	3.0	3.1	2.1	0.7	2.1
£1	900	3.5	3.6	2,3	0.5	2.1

- * Inpipe Pressure is 10.5kgf/cm2
- * Давление в трубе 10,5 кг силы/см2



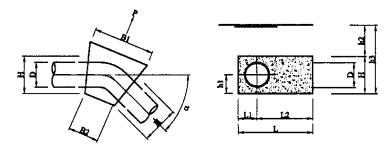
КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO.,LTD.-JAPAN NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN

ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЬГ TYPICAL DRAWING

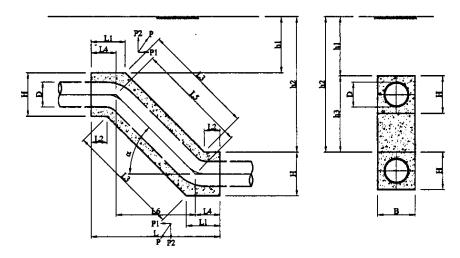
Deputy Triggerian
Deputy
Triggerian
Triggerian
Triggerian
Designant by
Promognatures
ABerrande ТИПОВОЙ ЧЕРТЕХ 1 10 EXCAVATION AND THRUST BLOCK W309-C-01 SCALE-HENE ЗЕМПЯННЫХ РАБОТ И УПОРНОГО БЛОКА - 1

Horizontal Bend Горизонтальный изгиб

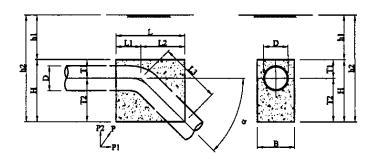


Case	D		B1	B2	L1	L2	H	hl	h2	ы
1	100	45	0.20	0.10	0.20	0.20	0.52	2.48	3.00	3.52
2	150	45	0.20	0.10	0.25	0.25	0.57	2.43	3.00	3.57
3	200	45	0.25	0.15	0.25	0.25	2.38	3.00	3.00	3.62
4	300	45	0.40	0,30	0.30	0.35	0.73	0.02	0.33	0.14
5	400	45	0.50	0.40	0.40	0.45	0.93	2.12	3.05	3.98
6	500	45	0.60	0.60	0.55	0.55	1.03	2.02	3.05	4.08
7	600	45	0.75	0.65	0.60	0.65	1,24	1.87	3.10	4.34
8	700	45	0.90	0.80	0.65	0.70	1.34	1.76	3.10	4.44
9	800	45	1.10	0.95	0.65	0.75	1.44	1.66	3.10	4.54
10	100	22.5	0.15	0.10	0.20	0.20	0.52	2.48	3.00	3.52
11	150	22.5	0.15	0.10	0,20	0.20	0.57	2.43	3.00	3.57
12	200	22.5	0.15	0.10	0.20	0.20	0.62	2.38	3.00	3.62
13	300	22.5	0.25	0.15	0.25	0.25	0,73	2.27	3.00	3.73
14	400	22.5	0.30	0.20	0.25	0.30	0.93	2.12	3.05	3.98
15	500	22.5	0.40	0.25	0.35	0.35	1.03	2.02	3.05	4.08
16	600	22.5	0.45	0.30	0.40	0,40	1.24	1.87	3.10	4.34
17	700	22.5	0.50	0.40	0.50	0.50	1.34	1.76	3.10	4.44
18	800	22.5	0.55	0.50	0.65	0.65	1.44	1.66	3.10	4.54

Vertical S Bend Вертикальный S-образный изгиб



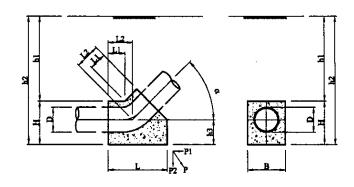
Vertical Upward Bend Вертикальный восходящий изгиб



Case	D		Tl	T2	L1	L2	L3	L	В	H	hl	h2
1	100	90	0.20	0.30	0.30	0.20	0.30	0.50	0.40	0.50	2.55	3.05
2	200	90	0.30	0.35	0.45	0.40	0.35	0.85	0.70	0.65	2.40	3.05
3	250	90	0.33	0.43	0.50	0.55	0.43	1.05	0.90	0.75	2.35	3.10
4	300	90	0.35	0.55	0.60	0.50	0.55	1.10	1.10	0.90	2.30	3.20
5	400	90	0.40	0.70	0.70	0.60	0.70	1.30	1.60	1.10	2.20	3.30
6	500	90	0.45	0.85	0.80	0.60	0.85	1.40	2.25	1.30	2.10	3.40
7	600	90	0.60	1.15	0.85	0.75	1.15	1.60	2.50	1.75	1.90	3.65
8	700	90	0.65	1.75	1.00	0.70	1.75	1.70	2.55	2.40	1.80	4.20
9	800	90	0.70	1.70	1.40	0.85	1.70	2.25	2.80	2.40	1.70	4.10
10	100	45	0.25	0.25	0.30	0.40	0.35	0.70	0.30	0.50	2.50	3.00
11	200	45	0.35	0.35	0.40	0.40	0.49	0.80	0.45	0.70	2.35	3.05
12	250	45	0.43	0.43	0.50	0.50	0.60	1.00	0.55	0.85	2.25	3.10
13	300	45	0.45	0.55	0.55	0.50	0.71	1.05	0.70	1.00	2.20	3.20
14	400	45	0.50	0.70	0.65	0.55	0.78	1.20	1.10	1.20	2.10	3.30
15	500	45	0.55	0.85	0.80	0.60	0.85	1.40	1.45	1.40	2.00	3.40
16	600	45	0.60	0.90	1.10	0.85	1.20	1.95	1.60	1.50	1.90	3.40
17	700	45	0.65	1.05	1.40	0.90	1.27	2.30	1.80	1.70	1.80	3.50
18	800	45	0.70	1.20	1.60	1.05	1.48	2.65	2.00	1.90	1.70	3.60

Case	D		L1	L2	L3	L4	L5	L	В	H	h1	h2
.1	100	45	1.2	0.8	2.1	1.0	2.1	3.5	1.4	0.9	2.3	3.8
2	150	45	1.5	1.2	2,9	1.4	2.9	4.8	1.4	1.0	2.3	4.3
3	200	45	1.9	1.5	1.4	1.7	1.4	4.4	1.8	1.0	2.2	4.3
4	300	45	2.5	2.0	1.4	2.3	1.4	5.5	2.3	1.1	2.1	4.3
5	400	45	2.9	2.3	1.4	2.6	1.4	6.2	2.7	1.4	1.9	4.3
6	500	45	3.3	2.6	1.4	3.0	1.4	6.9	3.0	1.5	1.8	4.3
7	600	45	3.5	2.9	1.4	3.2	1.4	7.4	3.3	1.6	1.7	4.3
8	700	45	3.9	3.1	1.4	3.5	1.4	8.0	3.5	1.7	1.6	4.3
9	800	45	4.1	3.4	1.4	3.8	1.4	8.5	3.8	1.8	1.5	4.3
10	900	. 45	4.3	3.5	1.4	3.9	1.4	8.8	3.9	2.1	1.3	4.5
11	1000	45	4.5	3.5	1.4	4.0	1.4	9.0	4.0	2.2	1.2	4.8
12	100	22.5	1.2	1.0	2.4	1.1	2.4	4.4	1.0	0.9	2.3	3.2
13	150	22.5	1.5	1.3	2.5	1.4	2.5	5.1	1.4	1.0	2.3	3.2
14	200	22.5	1.7	1.5	3.1	1.6	3.1	6.1	1.6	1.0	2.2	3.4
15	250	22.5	1.9	1.7	3.8	1.8	3.8	7.1	1.7	1.5	2.0	3.4
16	300	22.5		1.9	3.9	2.0	3.9	7.6	1.9	1.5	1.9	3.4
17	400	22.5	2.5	2.1	4.2	2.3	4.2	8.5	2.3	1.6	1.8	3.4
18	500	22.5	2.6	2.2	5.5	2.4	5.5	9.9	2.4	1.7	1.7	3.8
19	600	22.5	2.6	2.3	6.5	2.5	6.5	10.9	2.5	1.6	1.7	4.2
20	700	22.5	2.8	2.2	8.1	2.5	8.1	12.5	2.6	2.7	1.1	4.2
21	800	22.5	2.8	2.2	9.9	2.5	9.9	14.2	2.6	2.8	1.0	4.8

Vertical Downward Bend Вертикальный исходящий изгиб



Casa	D		T1	T^1	17 1	L2	T 2	Ŧ	D	TT
			Tl	T2	L1		L3	L	В	H
1	100	90	0.25	0.15	0.20	0.20	0.15	0.40	0.50	0.40
2	200	90	0.35	0.20	0.50	0.50	0.20	1.00	0.60	0.55
3	250	90	0.38	0.28	0.60	0.60	0.28	1.20	0.70	0.65
4	300	90	0.40	0.35	0.75	0.75	0.35	1.50	0.75	0.75
5	400	90	0.50	0.50	0.85	0.85	0.50	1.70	1.10	1.00
6	500	90	0.55	0.65	1.10	1.00	0.65	2.10	1.25	1.20
7	600	90	0.65	0.65	1.20	1.20	0.65	2.40	1.50	1.30
8	700	90	0.70	0.75	1.40	1.40	0.75	2.80	1.60	1.45
9	800	90	0.80	0.75	1.60	1.60	0.75	3.20	1.70	1.55
10	100	45	0.25	0.35	0.10	0.10	0.14	0.20	0.30	0.60
11	200	45	0.30	0.40	0.20	0.10	0.14	0.30	0.70	0.70
12	250	45	0.33	0.48	0.20	0.20	0.28	0.40	0.70	0.80
13	300	45	0.40	0.40	0.30	0.20	0.28	0.50	0.70	0.80
14	400	45	0.45	0.55	0.40	0.40	0.57	0.80	0.70	1.00
15	500	45	0.50	0.60	0.50	0.60	0.85	1.10	0.80	1.10
16	600	45	0.60	0.60	0.80	0.80	0.85	1.60	0.80	1.20
17	700	45	0.65	0.65	0.90	1.00	0.92	1.90	0.90	1.30
18	800	45	0.70	0.70	1.20	1.30	0.99	2.50	0.90	1.40
19	600	22.5	0.60	0.60	0.60	0.60	0.65	1.20	1.00	1.20
20	800	45	0.70	0.90	1.00	1.10	1.27	2.10	1.10	1.60

• Inpipe Pressure is 10.0kgf/cm2 Давление в трубе 10,0 кг силы/см2

Thrust Block - 2
Опорный блок

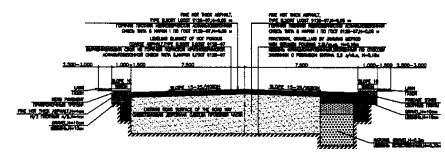


КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ

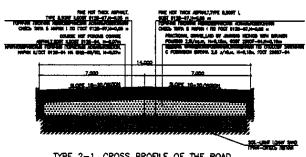
JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN

CO,LTD.-JAPAN
NIHON SUIDO CONSULTANTS
CO,LTD.-JAPAN

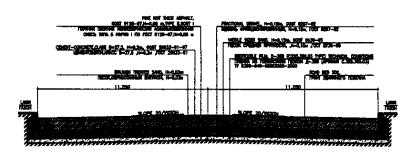
Sheet Neet	Dae No.	Bignoture Popusos	Deb Arre	ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАПИЗАЦИЯ ГОРОДА АСТАНЫ"						
M Mari M Mari T Kary	ti.	(AMANA) B		TYPICAL DRAWING THROSON VEPTEX	CAMPIN	Sheet flact 2	Sheets /meron			
Albertando X		Ø		THRUST BLOCK - 2 ONOPHOTO ENOKA - 2		M300-C-05				



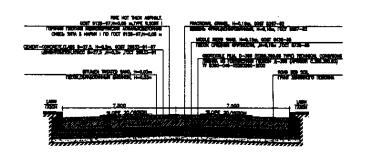
TYPE 1-1. CROSS SECTION OF THE ROAD SURFACE STRUCTURE(NEW CONSTRUCTION)
ТИП 1-1. ПОПЕРЕЧНЫЙ РАЗРЕЗ КОНСТРУКЦИИ ДОРОЖНОЙ ОДЕЖДЫ(НОВОЕ СТРОИТЕЛЬСТВО)



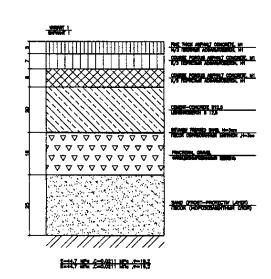
TYPE 2-1. CROSS PROFILE OF THE ROAD SURFACE STRUCTURE IN SEIPHULLINA STREET (REHABILITATION)
ТИП 2-1. ПОПЕРЕЧНЫЙ ПРОФИЛЬ КОНСТРУКЦИИ ДОРОЖНОЙ ОДЕЖДЫ УЛ.С.СЕЙФУЛЛИНА (РЕКОНСТРУКЦИЯ)



TYPE 3-1. SARY ARKA STREET FROM ACCESS ROADS TO ISHIM BRIDGE(REHABILITATION) ТИП 3-1. УЛИЦА САРЫ АРКА ОТ ПОДХОДОВ К МОСТУ Ч/З р.ИШИМ (РЕКОНСТРУКЦИЯ)

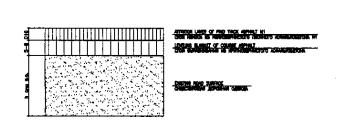


TYPE 4-1. PART OF THE ROAD "ASTANA-KURGALDZHINO" (REHABILITATION)
ТИП 4-1. УЧАСТОК АВТОДОРОГИ "АСТАНА-КУРГАЛЬДЖИНО" (РЕКОНСТРУКЦИЯ)



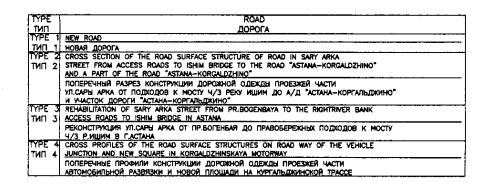
TYPE 1-2.ROAD SURFACE STRUCTURES FOR THE MAIN STREETS OF THE CITY SIGNIFICANCE (NEW CONSTRUCTION)

ТИП 1-2.КОНСТРУКЦИИ ДОРОЖНОЙ ОДЕЖДЫ ДЛЯ МАГИТСРАЛЬНЫХ УЛИЦ ОБЩЕГОРОДСКОГО ЗНАЧЕНИЯ (НОВОЕ СТРОИТЕЛЬСТВО)

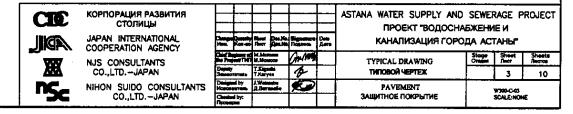


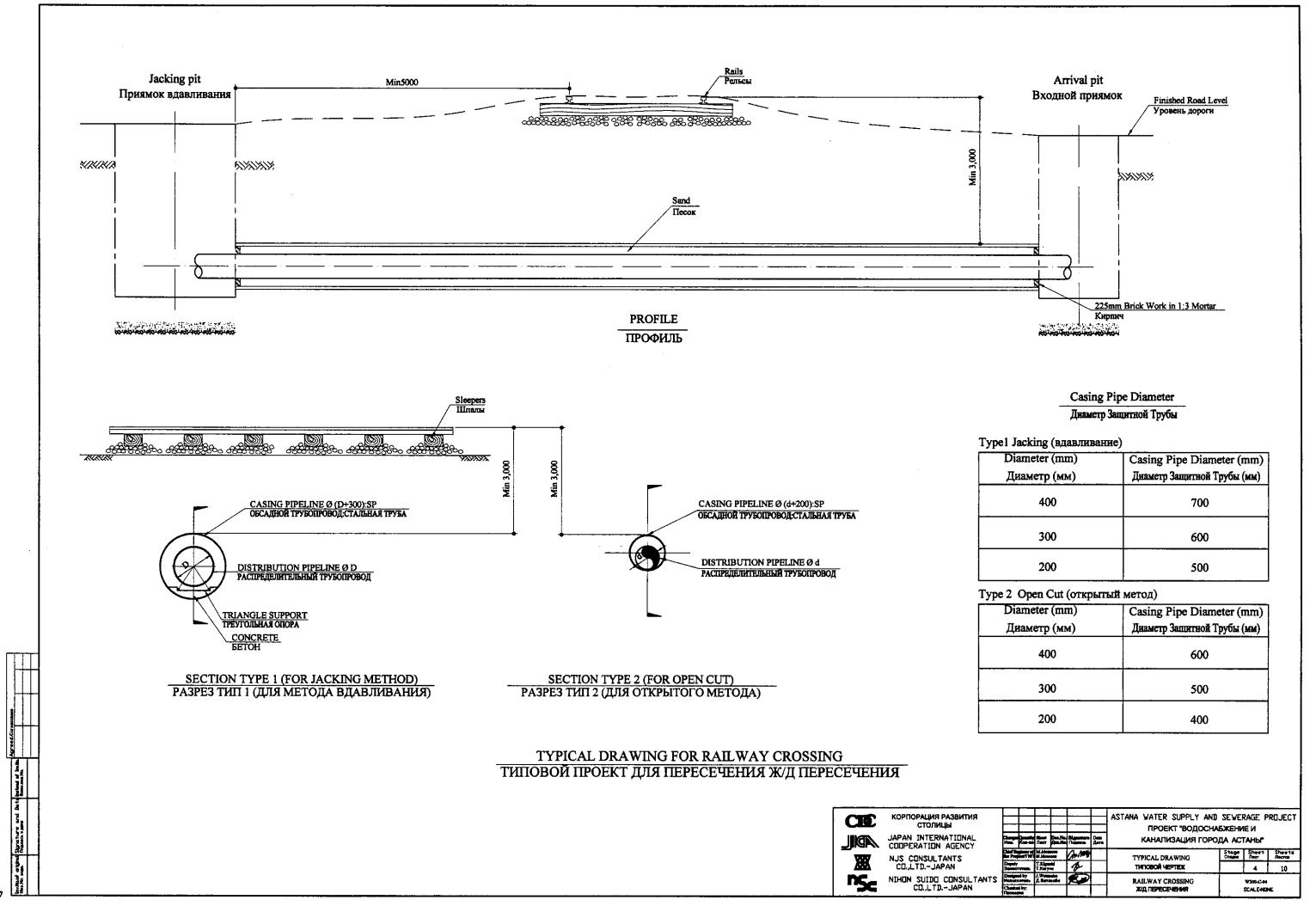
E-44,7 MPs .C-0,0211 MPs .F=18.2

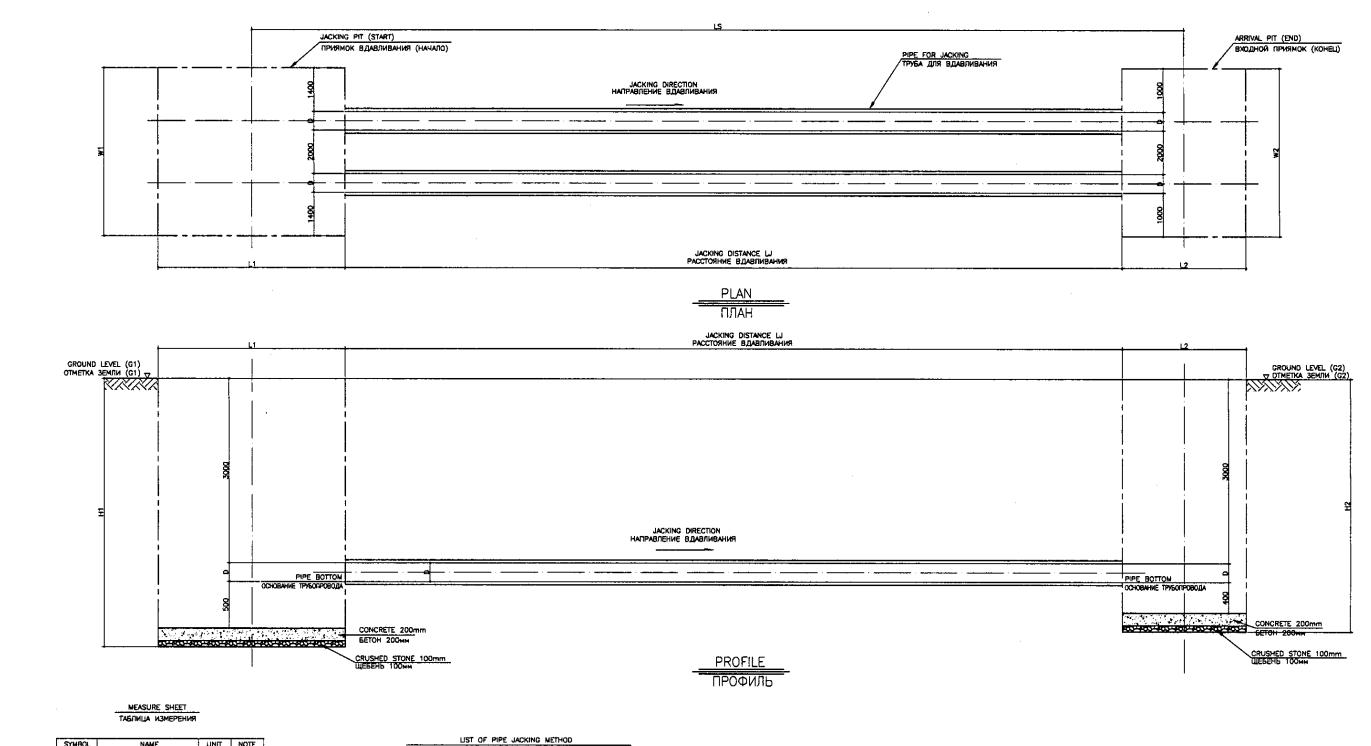
TYPE 2,3,4-2.ROAD SURFACE STRUCTURES FOR THE MAIN STREETS OF THE CITY SIGNIFICANCE (REHABILITATION)
ТИП 2,3,4-2КОНСТРУКЦИИ ДОРОЖНОЙ ОДЕЖДЫ ДЛЯ МАГИТСРАЛЬНЫХ УЛИЦ ОБЩЕГОРОДСКОГО ЗНАЧЕНИЯ (РЕКОНСТРУКЦИЯ)



ROAD PAVEMENT
ЗАЩИТНОЕ ПОКРЫТИЕ







SYMBOL	NAME	UNIT	NOTE
OSCILLATION OF	HAMMEHOBAHME	ЕДИЗМ.	KOMMEHT.
ĽS	SECTION DISTANCE PACCTORHUE YHACTKA	Ð	
D	DIAMETER JUAMETP	mm	
LJ	JACKING DISTANCE ДЛИНА ШАХТНОГО СТВОЛА	Е	
L1	LENGTH OF SHAFT ШИРИНА ШАХТНОГО СТВОЛА	m	
W1	WIDTH OF SHAFT ШИРИНА ШАХТНОГО СТВОЛА	m	JACKING B.DABIN-
H1	DEPTH OF SHAFT ГЛУБИНА ШАХТНОГО СТВОЛА	m	8AHNE
L2	LENGTH OF SHAFT ДЛИНА ШАХТНОГО СТВОЛА	m	
W2	WIDTH OF SHAFT ШИРИНА ШАХТНОГО СТВОЛА	m	ARRIVAL BXOJ
H2	DEPTH OF SHAFT ГЛУБИНА ШАХТНОГО СТВОЛА	Ð	

ПЕРЕЧЕНЬ ТРУБ ПОДЛЕЖАЩИХ УСТАНОВКЕ МЕТОДОМ ВДАВЛИВАНИЯ

				VERTICA	L SHAFT					
DIAMETER	DISTANCE, W	ВЕРТИКАПЬНАЯ ЩАХТА								
JUANETP	HAMMEHOBAHME		king Pit (St Мок вдавли		ARRIVAL PIT (END) ВХОДНОЙ ПРИЯМОК					
(m)	(m)	WIDTH, W1 ЦИРИНА	LENGTH, L1 ДЛИНА	DEPTH, Н1 ГЛУБИНА	WIDTH, W2 ШИРИНА	LENGTH, L2 ДЛИНА	DEPTH, Н2 ГЛУБИНА			
500	80	5.30	6.00	4.30	4.50	4.00	4.20			
600	12 - 120	5.40	6.00	4.40	4.60	4.00	4.30			
700	12 - 100	5.50	6.00	4.50	4.70	4.00	4.40			

STANDARD OF SMALL DIAMETER LEADING JACKING METHOD ТИПОВОЙ ЧЕРТЕЖ ВДАВЛИВАНИЯ ТРУБ МАЛОГО ДИАМЕТРА

SCALE : NONE

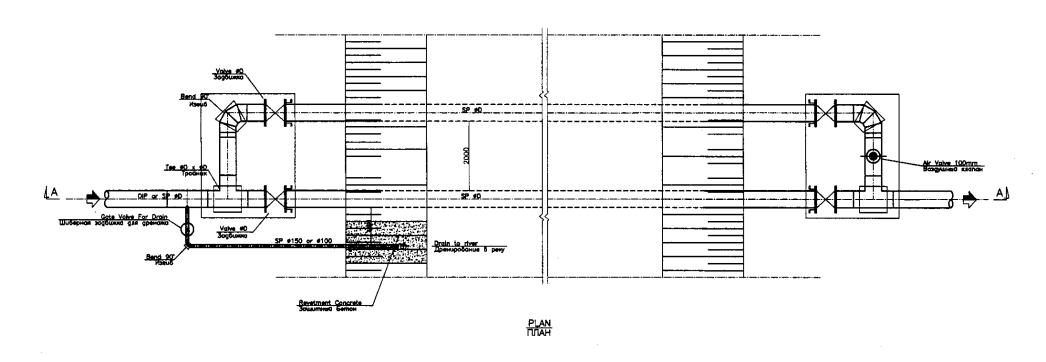


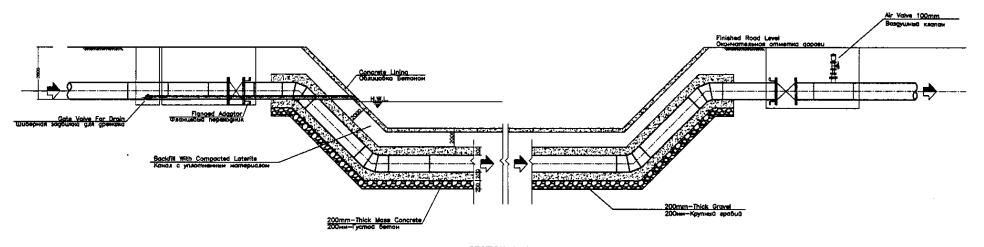
КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN

Hon. Rom-on Theor Banatha Delamon J.
Carlo Engineer of M. Monosco
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A. Borran alia

ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" Stage Sheet Sheets Cragus flacy flacton TYPICAL DRAWING THROSON VEPTEX

5 10 W300-C-05 SCALE:NONE JACKEING METHOD METOR BRABINBAHME





SECTION A-A
PASPES A-A

TYPICAL DRAWING FOR RIVER CROSSING for Open Cut ТИПОВОИ ПРОЕКТ ДЛЯ ПЕРЕСЕЧЕНИЯ Ж/Д ПЕРЕСЕЧЕНИЯ

Toble		Unit(mm)
Distribution pipe Pompagemental moveorpolog	Drgin Pipe Дренак толбопробов	Air Valve Возачиный квапан
300	100	100
600	150	100
900	150	100
1000	150	100

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JAPAN INTERNATIONAL
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NJS CONSULTANTS
CO.,LTD.-JAPAN
NIHON SUIDO CONSULTANTS
CO.,LTD.-JAPAN

- 1			_
		M.Monton M.Montos	0
	Дорогу Заместитель	T.Kigoobl T.Karyen	Γ.
į	Designal by Fluromerrens	I.Watenese A.Berrassile	9
	Checked by: Openapus		
			_

ASTANA WATER SUPPLY AND SEWERAGE PROJECT
IPPOEKT "BOJOCHAБЖЕНИЕ И

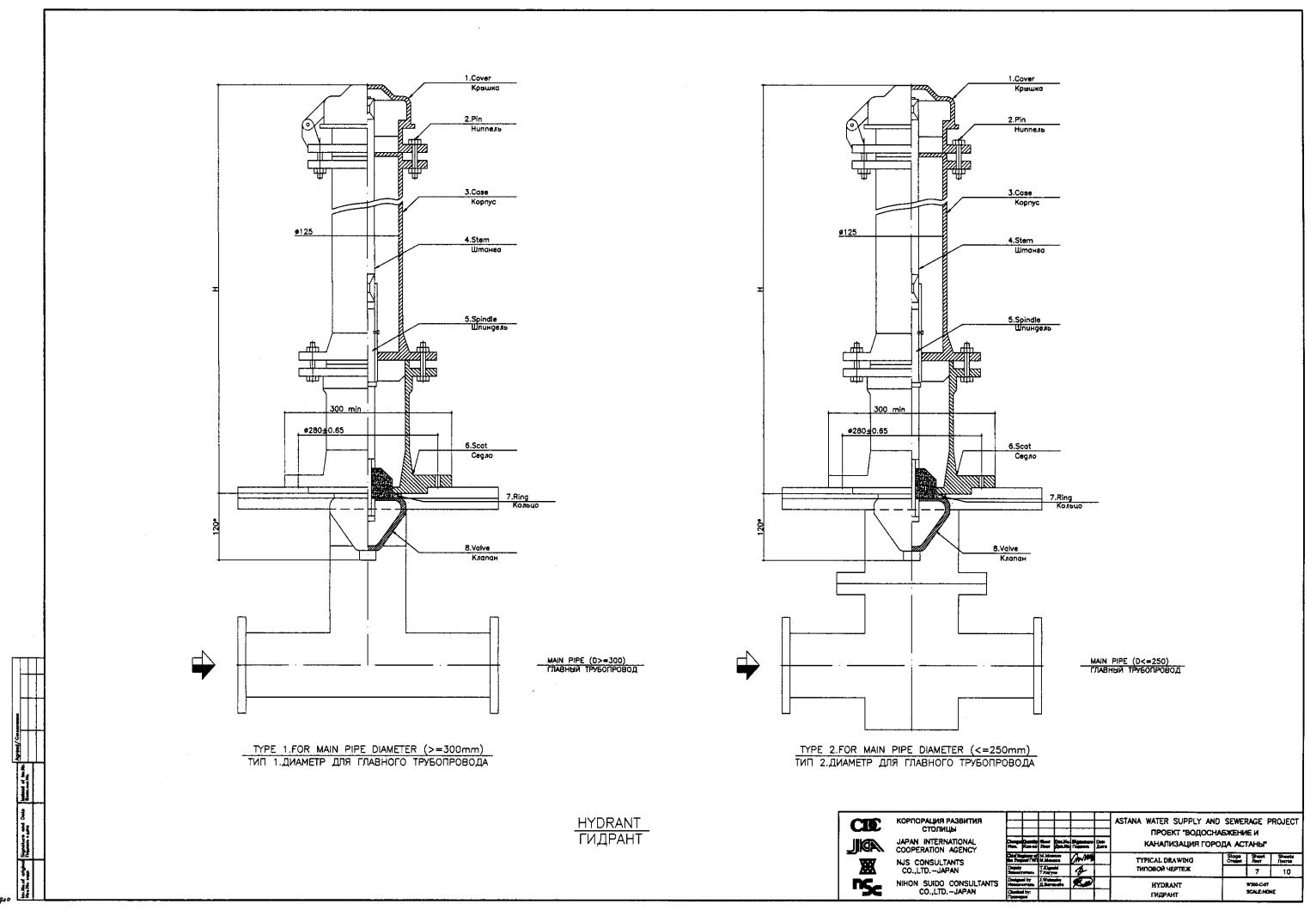
КАНАПИЗАЦИЯ ГОРОДА АСТАНЫ"

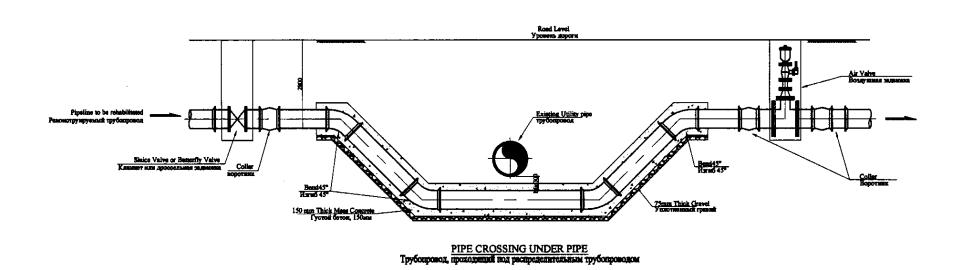
TYPICAL DRAWING

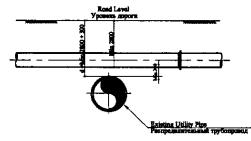
Stooge Sheet Sheets
THEORY SHE

Monacore Applied TYPICAL DRAWING Stoge Sheet Sheets Sheets Streets Streets Sheets Shee

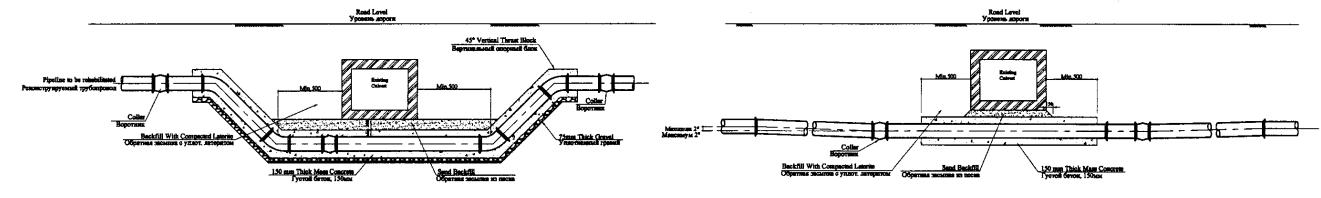
a99







PIPE CROSSING OVER PIPE ICTOROXICERENT HAS REPECTED FOR THE PROPERTY OF THE PR



Type 1: Vertical Bend 45° Required Тип 1: Требуемый вертикальный изгиб 45°

Type 2 :Within Allowable Deflection (Maximum 2°)
Тип 2:Допустимое отклонение (макс.2°)

PIPE CROSSING UNDER CULVERT
Труба, расположенная под проходиней плочьней

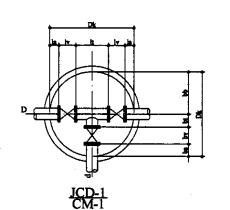
КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ

JAPAN INTERNATIONAL COOPERATION AGENCY NJS CONSULTANTS CO.,LTD.-JAPAN

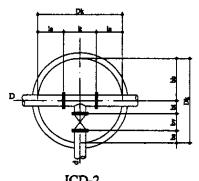
NIHON SUIDO CONSULTANTS CO.,LTD.-JAPAN

ASTANA WATER SUPPLY AND SEWERAGE PROJECT ПРОЕКТ "ВОДОСНАБЖЕНИЕ И КАНАЛИЗАЦИЯ ГОРОДА АСТАНЫ" TYPICAL DRAWING

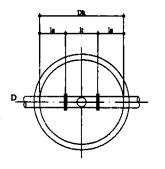
типовой чертеж 8 10 Pipe laying for Pipe Crossing Прокладка труб при их пересечени



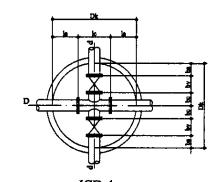
	-	20	250	360	320		1		
150 1	40 4			230	320	250	180	750	1500
	20 2	00	280	440	360	280	220	1000	2000
200 1	50 4	40	300	520	500	280	250	1000	2000
300 1	50 3	17,5	400	565	400	280	320	1000	2000
400 1	50 2	25	470	610	340	280	380	1000	2000



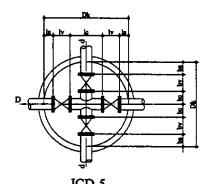
				M-2				
D (mm)	d (mm)	la	lt	ba	bv	bt	bb	Dk
100	100	570	360	320	250	180	750	1500
150	150	530	440	250	280	220	750	1500
200	150	490	520	220	280	250	750	1500
300	150	717.5	565	400	280	320	1000	2000
400	150	696	610	340	280	380	1000	2000
500	150	675	650	280	280	440	1000	2000
	L					<u> </u>		



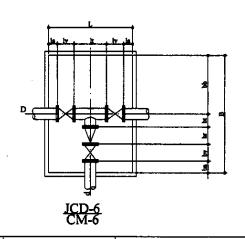
D (mm)	la	lt	Dk
250	537.5	425	1500
300	525	450	1500
400	505	490	1500
500	482.5	535	1500
600	400	700	1500
700	425	650	1500
800	405	690	1500
900	385	730	1500



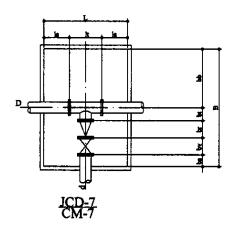
D (mm)	d (mm)	la	ic	ba	bv	bc	Dk
150	100	530	440	290	250	210	1500
150	150	530	440	250	280	220	1500
200	150	740	520	470	280	250	2000
300	150	717.5	565	400	280	320	2000
400	150	695	610	340	280	380	2000



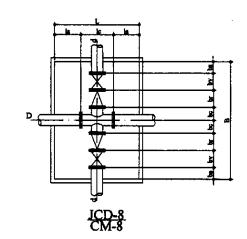
		CN	1-5					
D (mm)	d (mm)	ia	lv	lc	be	bv	bc	Dk
100	100	540	250	440	540	250	210	2000
150	150	500	280	440	500	280	220	2000
200	150	440	300	520	500	280	250	2000
300	150	317.5	400	565	400	280	320	2000
400	150	225	470	610	340	280	380	2000
			•					



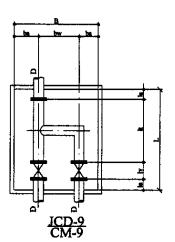
D	đ	L				В					
(mm)	(mm)		la	lv	İt		be	by	br	bt	bb
400	150	2500	475	470	610	2000	540	280	300	380	500
500	150	2500	395	530	650	2000	430	280	300	440	550
600	150	2500	340	560	700	2500	780	280	300	540	600
700	150	3000	565	610	650	2500	745	280	300	525	650
800	150	3000	465	690	690	2500	635	280	300	585	700
900	150	3000	395	740	730	2500	525	280	300	645	750
1000	150	3000	345	770	770	2500	415	280	300	705	800



(mm) ((mm)		ia	lt	l ſ	ba	bv	br	bt	LL
600	140	1					•	V.	Ot.	bb
	150	2000	650	700	2500	780	280	300	540	600
700	150	2000	675	650	2500	745	280	300	525	650
800	150	2000	655	690	2500	635	280	300	585	700
900	150	2000	635	730	2500	525	280	300	645	750
1000	150	2000	615	770	2500	415	280	300	705	800



(mm) 150		la	le	1 1	1	L		· ·
150					ba	Ь	br	bc
	2500	925	650	3000	480	280	300	440
150	2500	900	700	3000	380	280	300	540
150	3000	1175	650	3000	395	280	300	525
150	3000	1155	690	3000	335	280	300	585
150	3000	1135	730	3500	525	280	300	645
150	3000	1115	770	3500	465	280	300	705
	150 150 150	150 3000 150 3000 150 3000	150 3000 1175 150 3000 1155 150 3000 1135	150 3000 1175 650 150 3000 1155 690 150 3000 1135 730	150 3000 1175 650 3000 150 3000 1155 690 3000 150 3000 1135 730 3500	150 3000 1175 650 3000 395 150 3000 1155 690 3000 335 150 3000 1135 730 3500 525	150 3000 1175 650 3000 395 280 150 3000 1155 690 3000 335 280 150 3000 1135 730 3500 525 280	150 3000 1175 650 3000 395 280 300 150 3000 1155 690 3000 335 280 300 150 3000 1135 730 3500 525 280 300



B .			L			
	ba	bw		la	lv	lt
3500	650	2200	2500	600	300	1000
3500	600	2300	2500	450	400	1200
3500	550	2400	3000	615	470	1300
4000	700	2600	3500	620	560	1700
4500	900	2700	4000	695	610	2000
4500	610	2900	4000	630	740	2000
	3500 3500 3500 4000 4500	3500 650 3500 600 3500 550 4000 700 4500 900	ba bw 3500 650 2200 3500 600 2300 3500 550 2400 4000 700 2600 4500 900 2700	ba bw 3500 650 2200 2500 3500 600 2300 2500 3500 550 2400 3000 4000 700 2600 3500 4500 900 2700 4000	ba bw la 3500 650 2200 2500 600 3500 600 2300 2500 450 3500 550 2400 3000 615 4000 700 2600 3500 620 4500 900 2700 4000 695	ba bw la lv 3500 650 2200 2500 600 300 3500 600 2300 2500 450 400 3500 550 2400 3000 615 470 4000 700 2600 3500 620 560 4500 900 2700 4000 695 610

General sheme of pipe installation in manhole

Монтажные схемы водопроводных колодцев

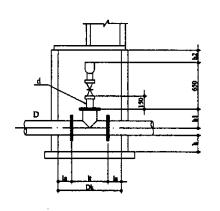


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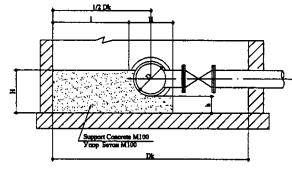
_						ASTANA WATER SUPPLY AND ПРОЕКТ "ВОДОСНА	БЖЕНИ	EИ	ROJEC
	Ros-00	Necet	in the	Поденов	Деге	КАНАЛИЗАЦИЯ ГОРО	ДA AC	ГАНЫ"	
1		M.Mou M.Mou		Ja Marie		TYPICAL DRAWING	Stage Cyatem	Sheet Jimpy	Звени Листов
Ż	-	T.Kigo	ahi 4x	B		TATIOBOR YEPTEX		9	10

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Air Valve
Воздушный клапан

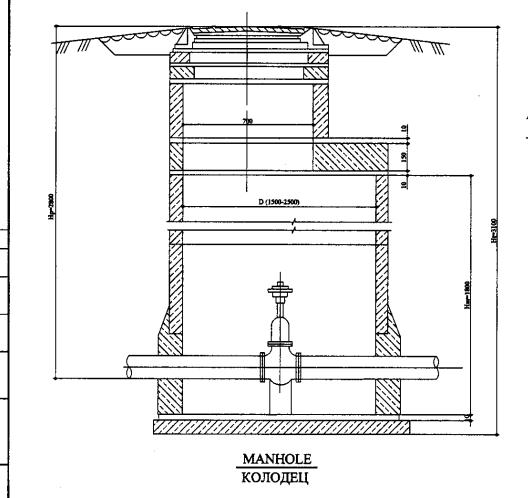
D (mm)	d (mm)	S.	lt	Dk	h	hl	h2
100	80	570	360	1500	200	175	400
150	80	530	440	1500	200	205	400
200	80	490	520	1500	200	235	400
250	80	537.5	425	1500	200	270	400
300	100	525	450	1500	200	300	400
400	100	505	490	1500	350	360	400
500	100	482.5	535	1500	350	420	400
600	100	400	700	1500	350	500	400
700	100	425	650	1500	350	525	400
800	100	405	690	1500	350	585	400
900	100	385	730	1500	350	645	400
1000	100	365	770	1500	350	705	400

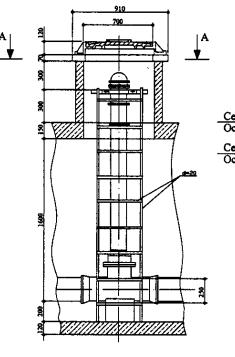


Support УПОР

Dk	D	Size of Support Размеры упоров для колодцев						
		1	11	H	h	Width Illupum yaopa		
1500	150	650	200	300	200	250		
2000	150	900	200	300	200	250		
1500	200	625	250	330	200	250		
2000	200	875	250	330	200	250		
2000	250	850	300	470	300	300		
2000	300	825	350	500	300	300		
2000	400	750	500	570	300	350		
2000	500	700	600	630	300	350		
	•							

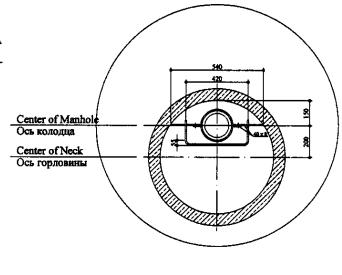
	Size of Support Размеры упоров для колодцев						
D	1	11	H	h	Width Umpun yang		
500	275	550	630	300	350		
600	275	650	700	300	350		
700	325	650	820	300	350		
800	275	850	880	350	350		
900	325	850	950	350	350		
		<u></u>					
	-	<u> </u>			_		
	600 700 800	600 275 700 325 800 275	500 275 550 600 275 650 700 325 650 800 275 850	500 275 550 630 600 275 650 700 700 325 650 820 800 275 850 880	500 275 550 630 300 600 275 650 700 300 700 325 650 820 300 800 275 850 880 350		





HYDRANT

ГИДРАНТ



КОРПОРАЦИЯ РАЗВИТИЯ СТОЛИЦЫ JAPAN INTERNATIONAL COOPERATION AGENCY

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77.6	T.Kigashi		An And		TYPICAL DRAWING	Stage Createst	Shoot Place	Mante Finores	•	
_			12		ТИПОВОЙ ЧЕРТЕЖ		10	10	•	

Junction Detail 2 Детель узла 2

W300-C-10 SCALE: NONE

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