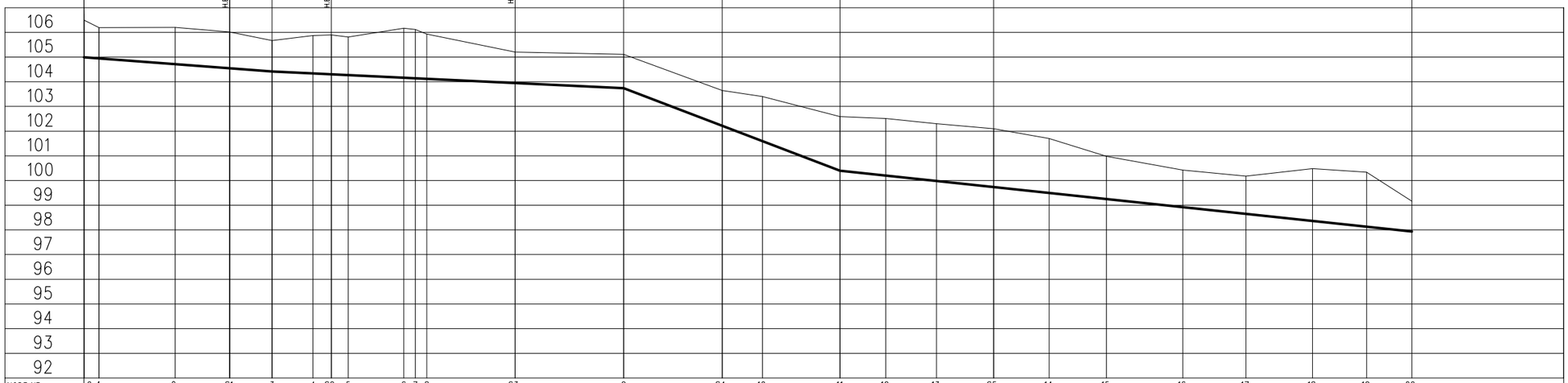


NODE NR	0	1		2		S1		3		4	S2		5		6	7	8		S3		9		S4		10		11		12		13		S5		14	
EXC. DEPTH	1.85	1.58		1.82		1.81		1.59		1.87	1.93		1.87		2.34	2.31	2.15		1.59		1.71		1.77		2.14		2.53		2.64		2.65		2.7		2.54	
GROUND ELEVATION	106.50	106.19		106.20		106.02		105.67		105.87	105.90		105.81		106.17	106.12	105.93		105.20		105.11		103.65		103.40		102.59		102.51		102.30		102.10		101.70	
PIPE AXIS ELEVATION	104.99	104.94		104.71		104.55		104.42		104.34	104.31		104.27		104.17	104.14	104.12		103.95		103.74		102.22		101.60		100.40		100.20		99.98		99.74		99.50	
DISTANCE (m)	6.12		30.92		22.04		17.20		16.63		7.43	6.85		22.52	4.63	6.68		35.82		44.05		39.91		16.31		31.47		18.52		20.55		23.22		22.50		23.19
STATION	0+000.00	0+006.12		0+037.04		0+059.08		0+076.28		0+092.91	0+100.34		0+107.19		0+129.71	0+134.36	0+139.04		0+174.86		0+218.91		0+258.82		0+275.13		0+306.60		0+325.12		0+345.67		0+368.89		0+391.39	
PIPE SLOPE (m/m)			-.007472 / 76.28															-.004768 / 142.63					-.038089 / 87.69						-.010652 / 231.89							
DISTANCE BTW. H. BENDS (m)			L= 59.08		13.08g		L= 41.25		13.42g				L= 74.52					8.51g		L= 83.96				1.7g		L= 110.07								2.31g		
PIPE DIAMETER PIPE TYPE	DN450 CTP PIPE (PN6, SN5000, OUTER DIAMETER=475mm, t=7.5mm)																																			

NODE NR	15		16		17		18		19		20
EXC. DEPTH	2.07		1.84		1.87		2.46		2.55		1.57
GROUND ELEVATION	100.98		100.42		100.18		100.48		100.34		99.16
PIPE AXIS ELEVATION	99.25		98.92		98.65		98.36		98.13		97.93
DISTANCE (m)	30.99		25.61		27.01		21.90		18.40		
STATION	0+414.58		0+445.57		0+471.18		0+498.19		0+520.09		0+538.49
PIPE SLOPE (m/m)											
DISTANCE BTW. H. BENDS (m)			L= 169.59								
PIPE DIAMETER PIPE TYPE											

1/100

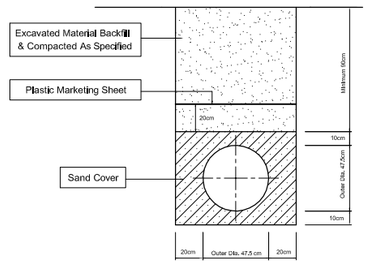
1/1000

LEGEND

- AIR VALVE
- WASHOUT VALVE
- LINE VALVE

V. BEND = VERTICAL BEND
H. BEND = HORIZONTAL BEND
C. BEND = COMBINED BEND
VA = VERTICAL ANGLE (in grad)
HA = HORIZONTAL ANGLE (in grad)
CA = COMBINED ANGLE (in grad)
AV = AIR VALVE
WV = WASHOUT VALVE
LV = LINE VALVE

TYPICAL TRENCH SECTION
450mm GRP



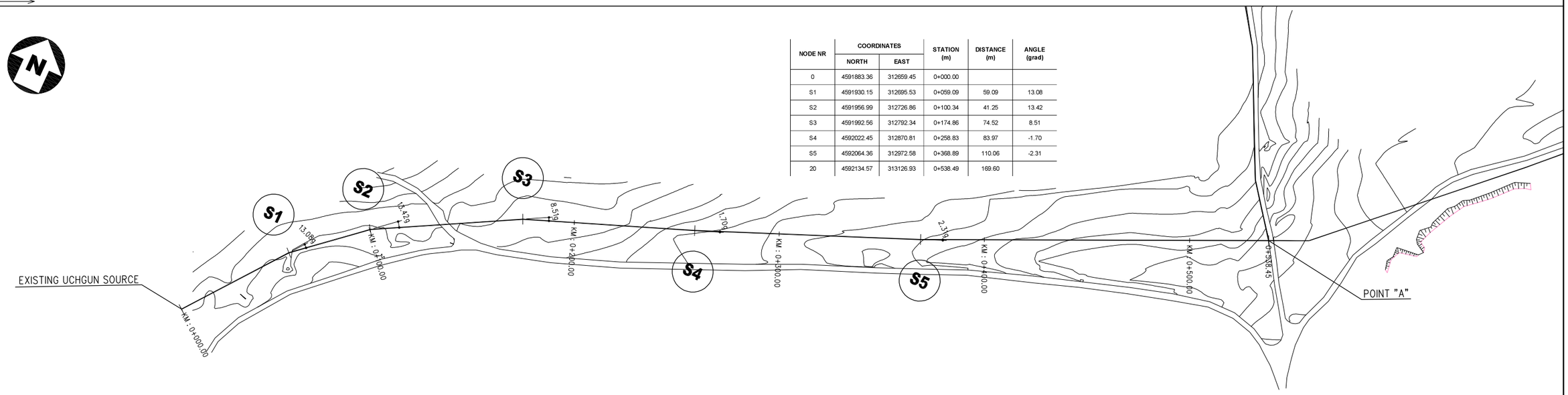
ÖLÇEK / SCALE : 1/100

0 2 4 6 8 10m

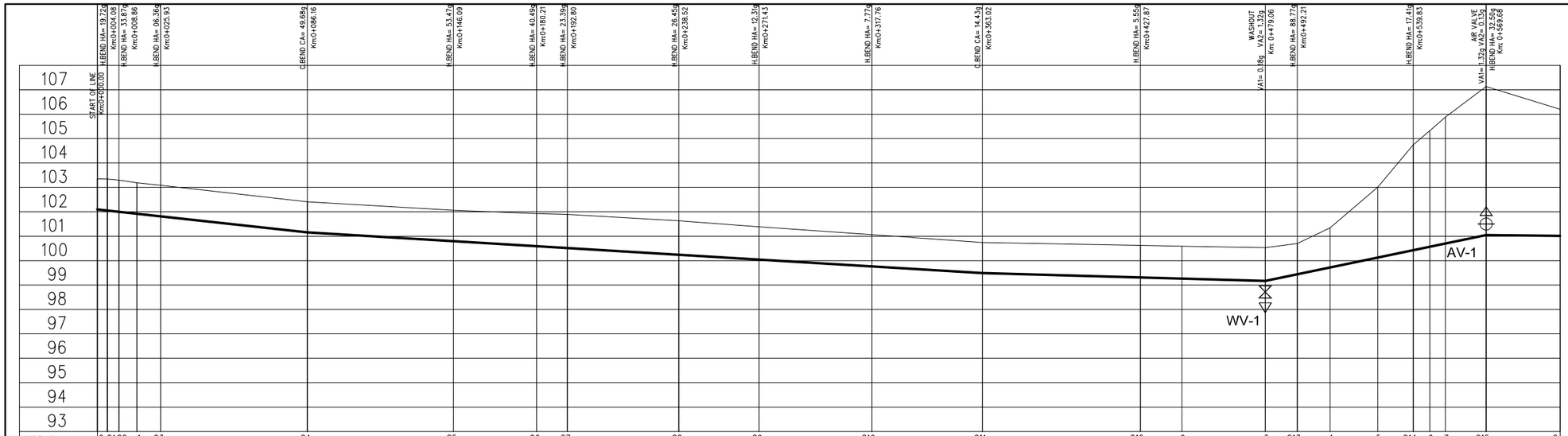
ÖLÇEK / SCALE : 1/1000

0 20 40 60 80 100m

NODE NR	COORDINATES		STATION (m)	DISTANCE (m)	ANGLE (grad)
	NORTH	EAST			
0	4591883.36	312659.45	0+000.00		
S1	4591930.15	312695.53	0+059.09	59.09	13.08
S2	4591956.99	312726.86	0+100.34	41.25	13.42
S3	4591992.56	312792.34	0+174.86	74.52	8.51
S4	4592022.45	312870.81	0+258.83	83.97	-1.70
S5	4592064.36	312972.58	0+368.89	110.06	-2.31
20	4592134.57	313126.93	0+538.49	169.60	



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Khacmaz	Facility : Plan & Profile of TL from Existing Uchgun Source to Point "A"	Title : Between KM: 0+000.00 - 0+538.49	Scale of Drawing : 1/1000 Original Size of Paper : A1	Category - City SU-XAC Date March 2010	Facility Code - Number 09-02(01) Revision Number Rev.0

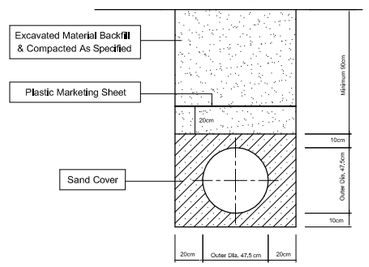


LEGEND

- AIR VALVE
- WASHOUT VALVE
- LINE VALVE

V. BEND = VERTICAL BEND
H. BEND = HORIZONTAL BEND
C. BEND = COMBINED BEND
VA = VERTICAL ANGLE (in grad)
HA = HORIZONTAL ANGLE (in grad)
CA = COMBINED ANGLE (in grad)
AV = AIR VALVE
WV = WASHOUT VALVE
LV = LINE VALVE

TYPICAL TRENCH SECTION
450mm GRP

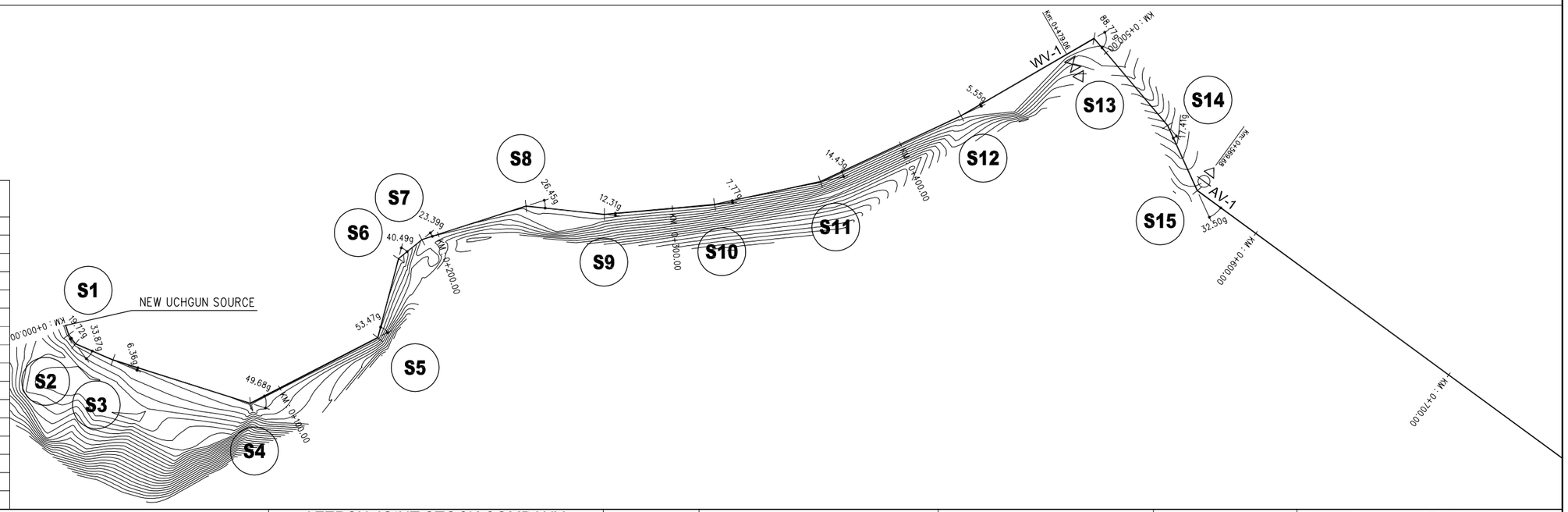


ÖLÇEK / SCALE : 1/100

0 2 4 6 8 10m

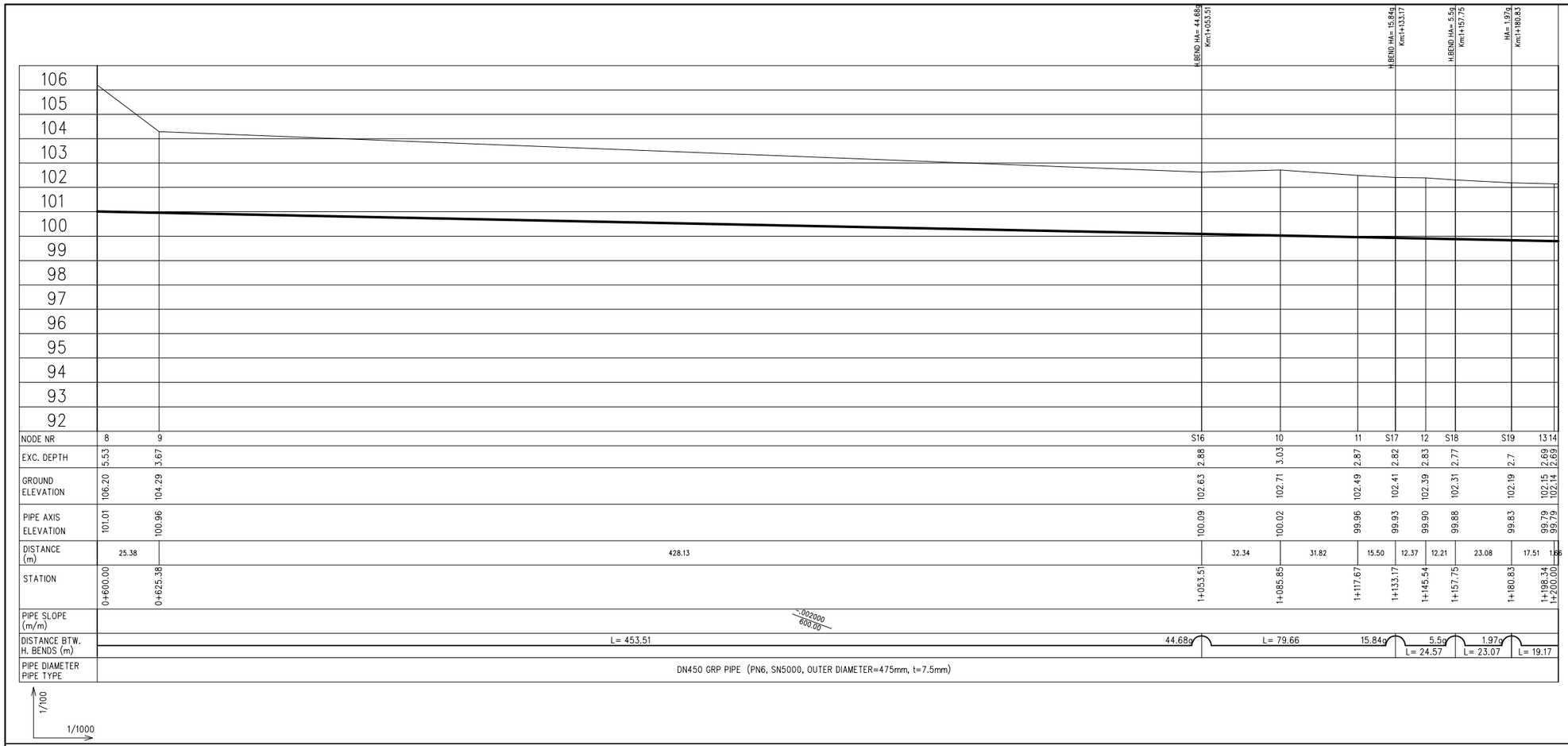
ÖLÇEK / SCALE : 1/1000

0 20 40 60 80 100m



NODE NR	COORDINATES NORTH	COORDINATES EAST	STATION (m)	DISTANCE (m)	ANGLE (grad)
0	4592609.05	312143.99	0+000.00		
S1	4592605.19	312145.29	0+004.08	4.08	-19.72
S2	4592601.33	312148.12	0+008.86	4.78	-33.87
S3	4592594.61	312163.81	0+025.93	17.07	-6.36
S4	4592576.50	312221.25	0+086.16	60.23	-49.68
S5	4592603.92	312274.55	0+146.09	59.93	-53.47
S6	4592636.92	312283.18	0+180.21	34.12	40.49
S7	4592644.83	312292.98	0+192.80	12.60	23.39
S8	4592658.85	312336.50	0+238.52	45.72	26.45
S9	4592655.45	312369.23	0+271.43	32.91	-12.31
S10	4592659.59	312415.37	0+317.76	46.33	-7.77
S11	4592669.09	312459.63	0+363.02	45.26	-14.43
S12	4592696.61	312518.35	0+427.87	64.85	-5.55
S13	4592728.88	312574.00	0+492.21	64.33	88.77
S14	4592692.51	312604.75	0+539.83	47.62	17.41
S15	4592665.36	312617.15	0+569.68	29.85	-32.50

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Khacmaz	Facility : Plan & Profile of TL from New Uchgun Source to Point "A"	Title : Between KM: 0+000.00 - 0+600.00	Scale of Drawing : 1/1000 Original Size of Paper : A1
				Category - City SU-XAC	Facility Code - Number 09-03(01)
				Date March 2010	Revision Number Rev.0

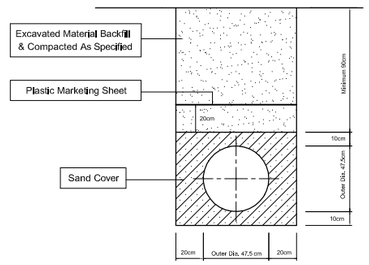


LEGEND

AIR VALVE
WASHOUT VALVE
LINE VALVE

V. BEND = VERTICAL BEND
H. BEND = HORIZONTAL BEND
C. BEND = COMBINED BEND
VA = VERTICAL ANGLE (in grad)
HA = HORIZONTAL ANGLE (in grad)
CA = COMBINED ANGLE (in grad)
AV = AIR VALVE
WV = WASHOUT VALVE
LV = LINE VALVE

TYPICAL TRENCH SECTION
450mm GRP



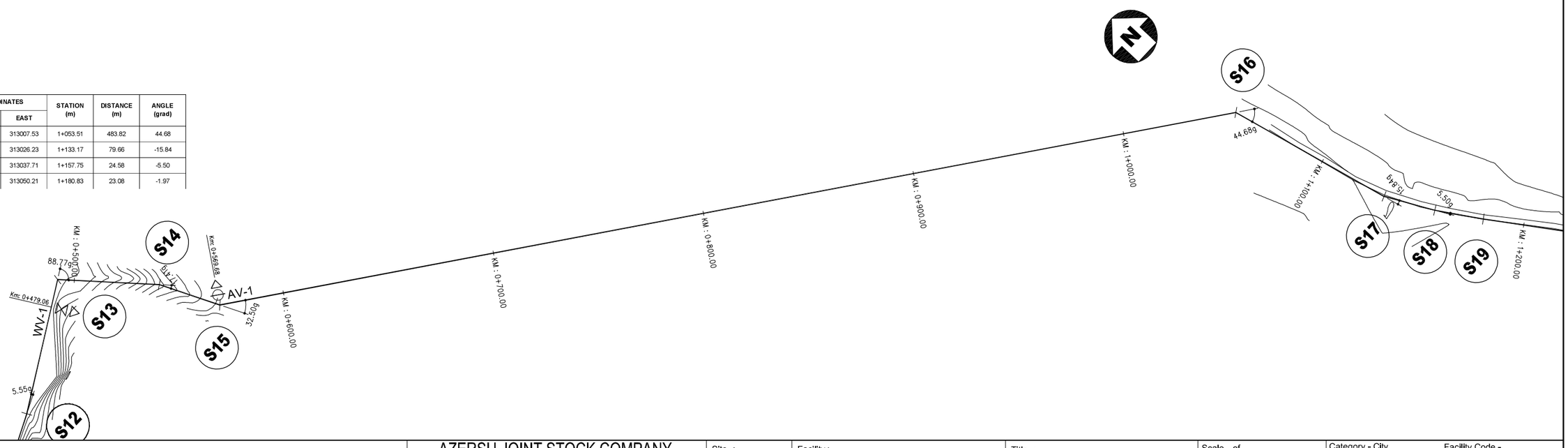
ÖLÇEK / SCALE : 1/100

0 2 4 6 8 10m

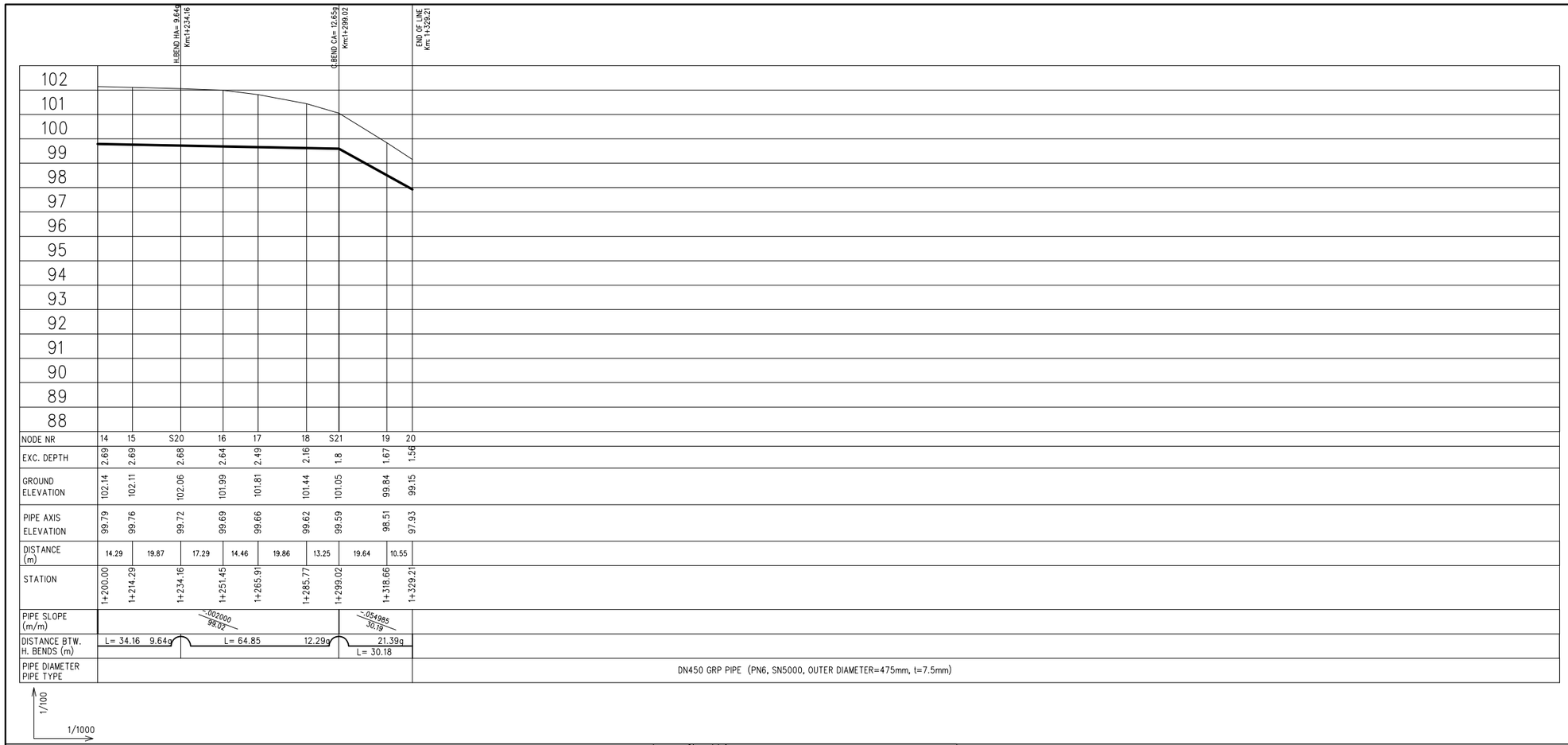
ÖLÇEK / SCALE : 1/1000

0 20 40 60 80 100m

NODE NR	COORDINATES		STATION (m)	DISTANCE (m)	ANGLE (grad)
	NORTH	EAST			
S16	4592379.54	313007.53	1+053.51	483.82	44.68
S17	4592302.11	313026.23	1+133.17	79.66	-15.84
S18	4592280.37	313037.71	1+157.75	24.58	-5.50
S19	4592260.97	313050.21	1+180.83	23.08	-1.97



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Gusar	Facility : Plan & Profile of TL from New Uchgun Source to Point "A"	Title : Between KM: 0+600.00 - 1+200.00	Scale of Drawing : 1/1000 Original Size of Paper : A1	Category - City SU-XAC Date March 2010	Facility Code - Number 09-03(02) Revision Number Rev.0

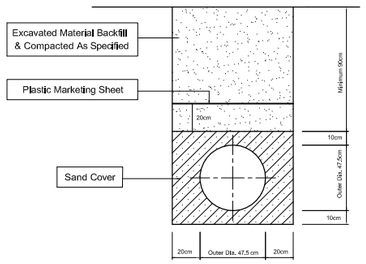


LEGEND

AIR VALVE
WASHOUT VALVE
LINE VALVE

V. BEND = VERTICAL BEND
H. BEND = HORIZONTAL BEND
C. BEND = COMBINED BEND
VA = VERTICAL ANGLE (in grad)
HA = HORIZONTAL ANGLE (in grad)
CA = COMBINED ANGLE (in grad)
AV = AIR VALVE
WV = WASHOUT VALVE
LV = LINE VALVE

TYPICAL TRENCH SECTION
450mm GRP

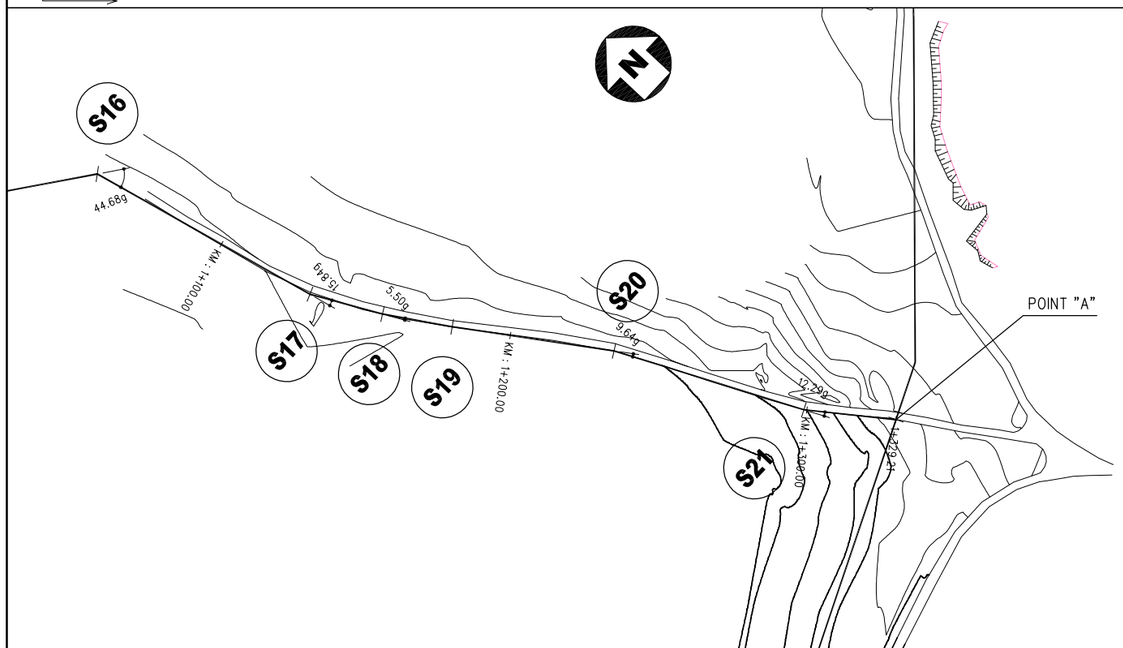


ÖLÇEK / *SCALE* : 1/100

0 2 4 6 8 10m

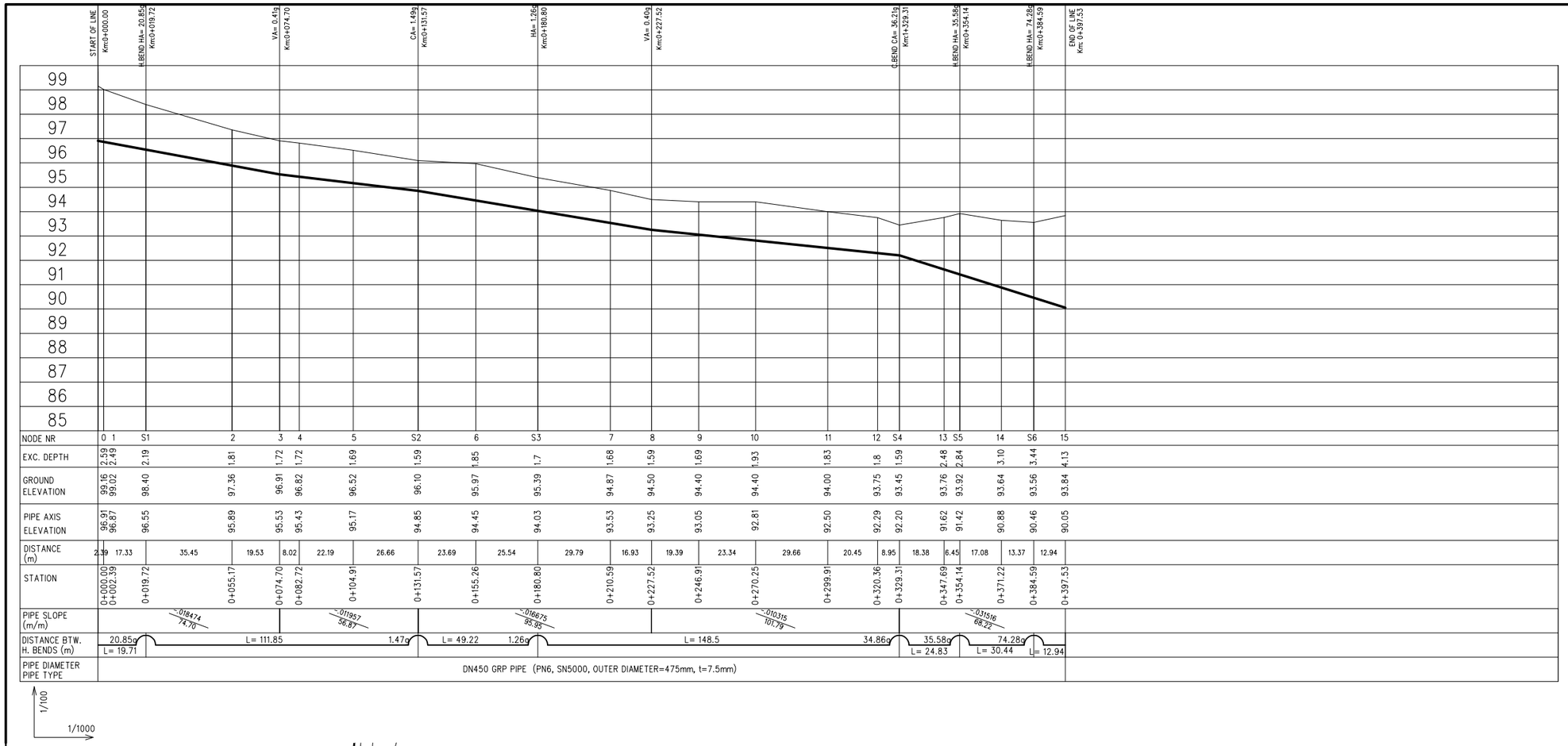
ÖLÇEK / *SCALE* : 1/1000

0 20 40 60 80 100m



NODE NR	COORDINATES		STATION (m)	DISTANCE (m)	ANGLE (grad)
	NORTH	EAST			
S20	4592217.05	313080.47	1+234.16	53.33	9.64
S21	4592158.70	313108.78	1+299.02	64.85	-12.29
20	4592134.57	313126.93	1+329.21	30.20	

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Gusar	Facility : Plan & Profile of TL from New Uchgun Source to Point "A"	Title : Between KM: 1+200.00 - 1+329.21	Scale of Drawing : 1/1000 Original Size of Paper : A1	Category - City SU-XAC Facility Code - Number 09-03(03) Date March 2010 Revision Number Rev.0



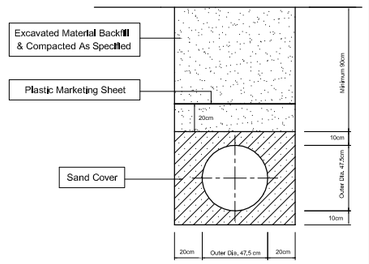
NODE NR	0	1	S1	2	3	4	5	S2	6	S3	7	8	9	10	11	12	S4	13	S5	14	S6	15
EXC. DEPTH	2.59	2.49	2.19	1.81	1.72	1.72	1.69	1.59	1.85	1.7	1.68	1.59	1.69	1.93	1.83	1.8	1.59	2.48	2.84	3.10	3.44	4.13
GROUND ELEVATION	99.16	99.02	98.40	97.36	96.91	96.82	96.52	96.10	95.97	95.39	94.87	94.50	94.40	94.40	94.00	93.75	93.45	93.76	93.92	93.64	93.56	93.84
PIPE AXIS ELEVATION	96.91	96.87	96.55	95.89	95.53	95.43	95.17	94.85	94.45	94.03	93.53	93.25	93.05	92.81	92.50	92.29	92.20	91.62	91.42	90.88	90.46	90.05
DISTANCE (m)	2.39	17.33	35.45	19.53	8.02	22.19	26.66	23.69	25.54	29.79	16.93	19.39	23.34	29.66	20.45	8.95	18.38	6.45	17.08	13.37	12.94	
STATION	0+000.00	0+002.39	0+019.72	0+055.17	0+074.70	0+082.72	0+104.91	0+131.57	0+155.26	0+180.80	0+210.59	0+227.52	0+246.91	0+270.25	0+299.91	0+320.36	0+329.31	0+347.69	0+354.14	0+371.22	0+384.59	0+397.53
PIPE SLOPE (m/m)			-0.18474 / 74.70				-0.11957 / 56.87			-0.16675 / 95.95				-0.10315 / 101.79					-0.31516 / 68.22			
DISTANCE BTW. H. BENDS (m)	20.85g	L= 19.71		L= 111.85	1.47g			L= 49.22	1.26g		L= 148.5					34.86g	35.58g	L= 24.83	74.28g	L= 30.44	L= 12.94	
PIPE DIAMETER PIPE TYPE	DN450 GRP PIPE (PN6, SN5000, OUTER DIAMETER=475mm, t=7.5mm)																					

LEGEND

- AIR VALVE
- WASHOUT VALVE
- LINE VALVE

V. BEND = VERTICAL BEND
H. BEND = HORIZONTAL BEND
C. BEND = COMBINED BEND
VA = VERTICAL ANGLE (in grad)
HA = HORIZONTAL ANGLE (in grad)
CA = COMBINED ANGLE (in grad)
AV = AIR VALVE
WV = WASHOUT VALVE
LV = LINE VALVE

TYPICAL TRENCH SECTION
450mm GRP



ÖLÇEK / SCALE : 1/100

0 2 4 6 8 10m

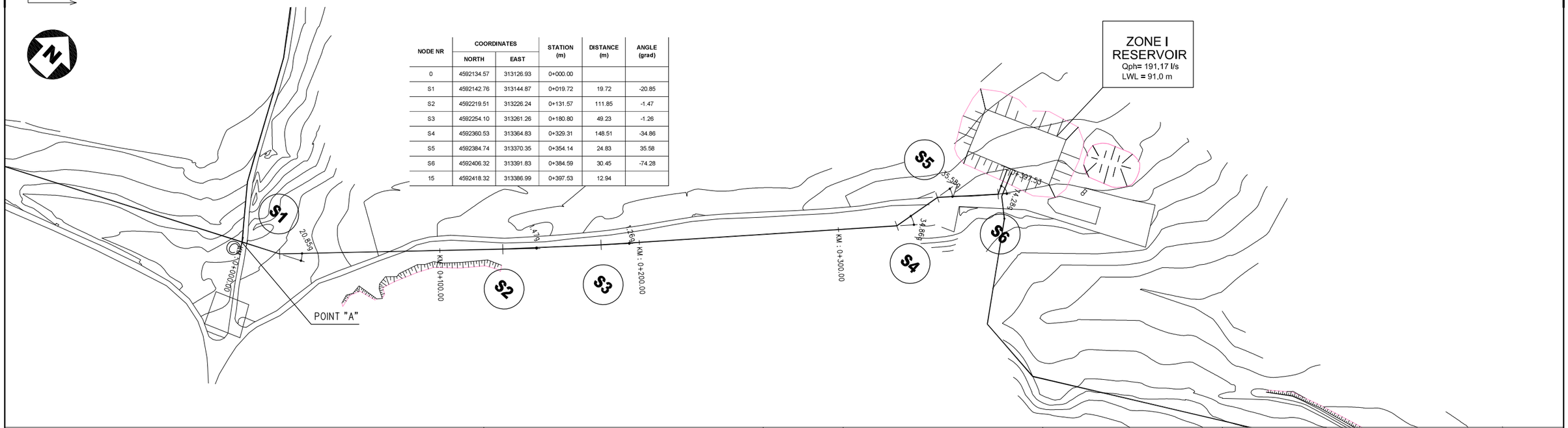
ÖLÇEK / SCALE : 1/1000

0 20 40 60 80 100m

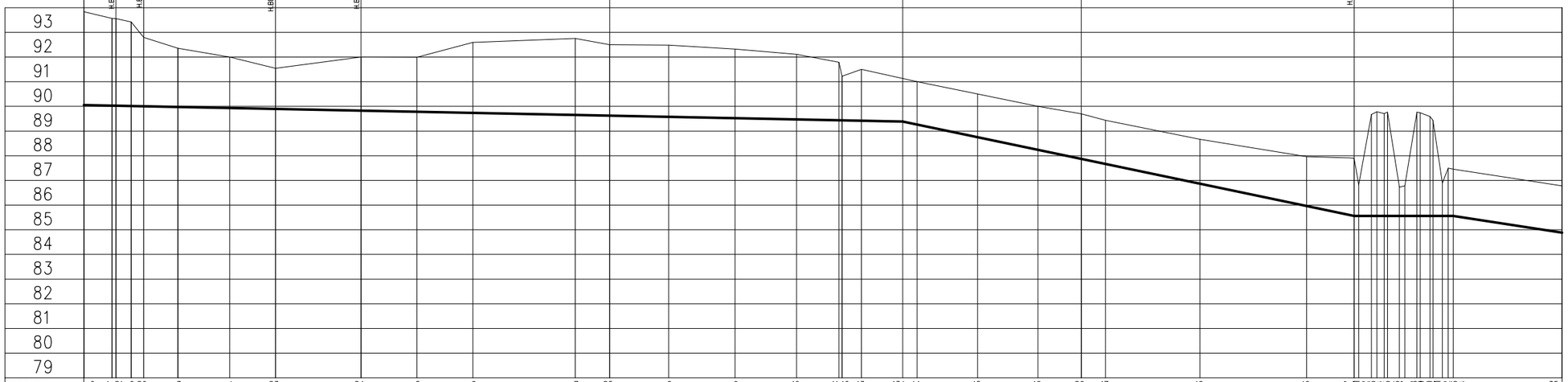
1/100

1/1000

NODE NR	COORDINATES		STATION (m)	DISTANCE (m)	ANGLE (grad)
	NORTH	EAST			
0	4592134.57	313126.93	0+000.00		
S1	4592142.76	313144.87	0+019.72	19.72	-20.85
S2	4592219.51	313226.24	0+131.57	111.85	-1.47
S3	4592254.10	313261.26	0+180.80	49.23	-1.26
S4	4592360.53	313364.83	0+329.31	148.51	-34.86
S5	4592384.74	313370.35	0+354.14	24.83	35.58
S6	4592406.32	313391.83	0+384.59	30.45	-74.28
15	4592418.32	313386.99	0+397.53	12.94	



SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Khacmaz	Facility : Plan & Profile of TL from Point "A" to Zone I Service Reservoir	Title : Between KM: 0+000.00 - 0+397.53	Scale of Drawing : 1/1000 Original Size of Paper : A1	Category - City SU-XAC Date March 2010	Facility Code - Number 09-04(01) Revision Number Rev.0



NODE NR	EXC. DEPTH	GROUND ELEVATION	PIPE AXIS ELEVATION	DISTANCE (m)	STATION
0	4.07	93.84	90.05		0+000.00
1	3.82	93.57	90.03	1.83	0+011.41
S1	3.82	93.56	90.02	6.16	0+013.04
2	3.69	93.42	90.01	5.11	0+019.20
S2	3.08	92.80	90.00		0+024.31
3	2.67	92.36	89.97	13.89	0+038.20
4	2.35	92.00	89.93	20.99	0+059.19
S3	1.93	91.54	89.89	18.64	0+077.83
S4	2.46	92.00	89.82	34.71	0+112.54
5	2.49	91.99	89.78	22.72	0+135.26
6	3.14	92.59	89.73	22.65	0+157.91
7	3.38	92.75	89.65	41.56	0+199.47
S5	3.16	92.50	89.62	14.02	0+213.49
8	3.18	92.48	89.58	23.90	0+237.39
9	3.08	92.32	89.52	26.93	0+264.32
10	2.92	92.11	89.47	24.99	0+289.31
11	2.63	91.79	89.44	17.20	0+306.51
12	2.07	91.22	89.43	1.21	0+307.72
13	2.36	91.50	89.42	7.89	0+315.61
13A	2.02	91.13	89.39	22.60	0+332.38
14	2.02	91.00	89.26		0+338.21
15	2.04	90.50	88.74	24.60	0+362.81
16	2.05	90.00	88.22	24.44	0+387.25
S6	2.12	89.70	87.85	17.60	0+404.85
17	2.07	89.44	87.65	9.84	0+414.69
18	2.11	88.67	86.84	38.37	0+453.06
19	2.31	87.96	85.93	43.26	0+496.32
20	2.62	87.90	85.56	19.32	0+515.64
21	2.71	88.62	85.56	1.91	0+517.55
22	4.39	89.78	85.56	1.37	0+518.92
23	4.73	89.78	85.56	5.15	0+524.07
24	4.73	89.77	85.56	2.94	0+526.88
25	4.43	89.77	85.56	2.25	0+529.13
26	4.43	89.77	85.56	2.17	0+531.29
27	1.45	86.73	85.56	1.69	0+533.98
28	1.5	86.78	85.56	4.93	0+538.91
29	4.46	89.77	85.56	3.90	0+542.81
30	4.46	89.77	85.56	1.40	0+544.21
31	4.46	89.59	85.56	1.86	0+546.08
32	4.31	89.44	85.56	1.20	0+547.28
33	4.16	89.44	85.56	2	0+549.28
34	4.30	89.90	85.56	2.37	0+551.65
35	2.52	87.46	85.56	2.16	0+553.81
35	2.18	86.78	84.88	44.19	0+600.00

PIPE SLOPE (m/m): -.002047 / 332.38 ; -.021076 / 183.26 ; 0.000000 / 40.17 ; -.015329 / 44.19

DISTANCE BTW. H. BENDS (m): 32.39g L= 13.03 ; 17.90g L= 11.26 ; L= 53.52 ; 55.75g ; L= 34.7 ; 39.84g ; L= 100.95 ; .68g ; L= 191.36 ; 4.04g ; L= 110.79 ; 7.84g ; L= 84.35

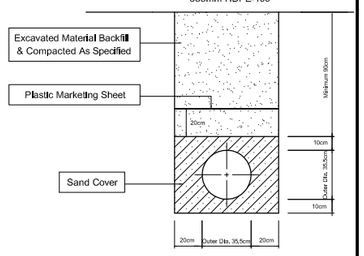
PIPE DIAMETER PIPE TYPE: DN355 HDPE100 PIPE (PN6, OUTER DIAMETER=355mm, t=12.9mm)

LEGEND

- AIR VALVE
- WASHOUT VALVE
- LINE VALVE

V. BEND = VERTICAL BEND
H. BEND = HORIZONTAL BEND
C. BEND = COMBINED BEND
VA = VERTICAL ANGLE (in grad)
HA = HORIZONTAL ANGLE (in grad)
CA = COMBINED ANGLE (in grad)
AV = AIR VALVE
WV = WASHOUT VALVE
LV = LINE VALVE

TYPICAL TRENCH SECTION
355mm HDPE-100



ÖLÇEK / SCALE : 1/100

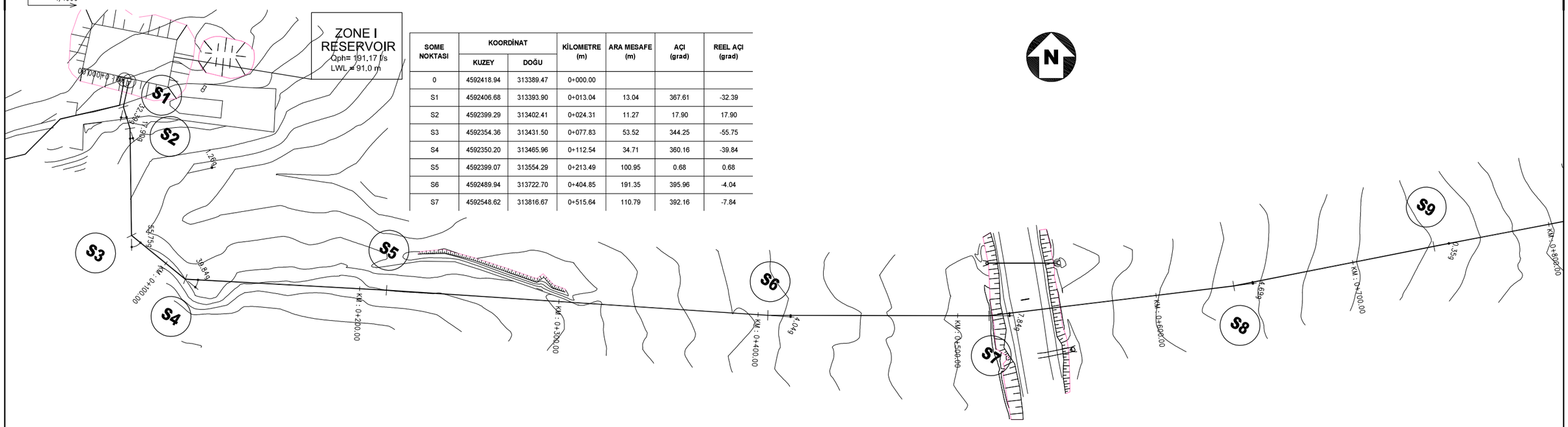
0 2 4 6 8 10m

ÖLÇEK / SCALE : 1/1000

0 20 40 60 80 100m

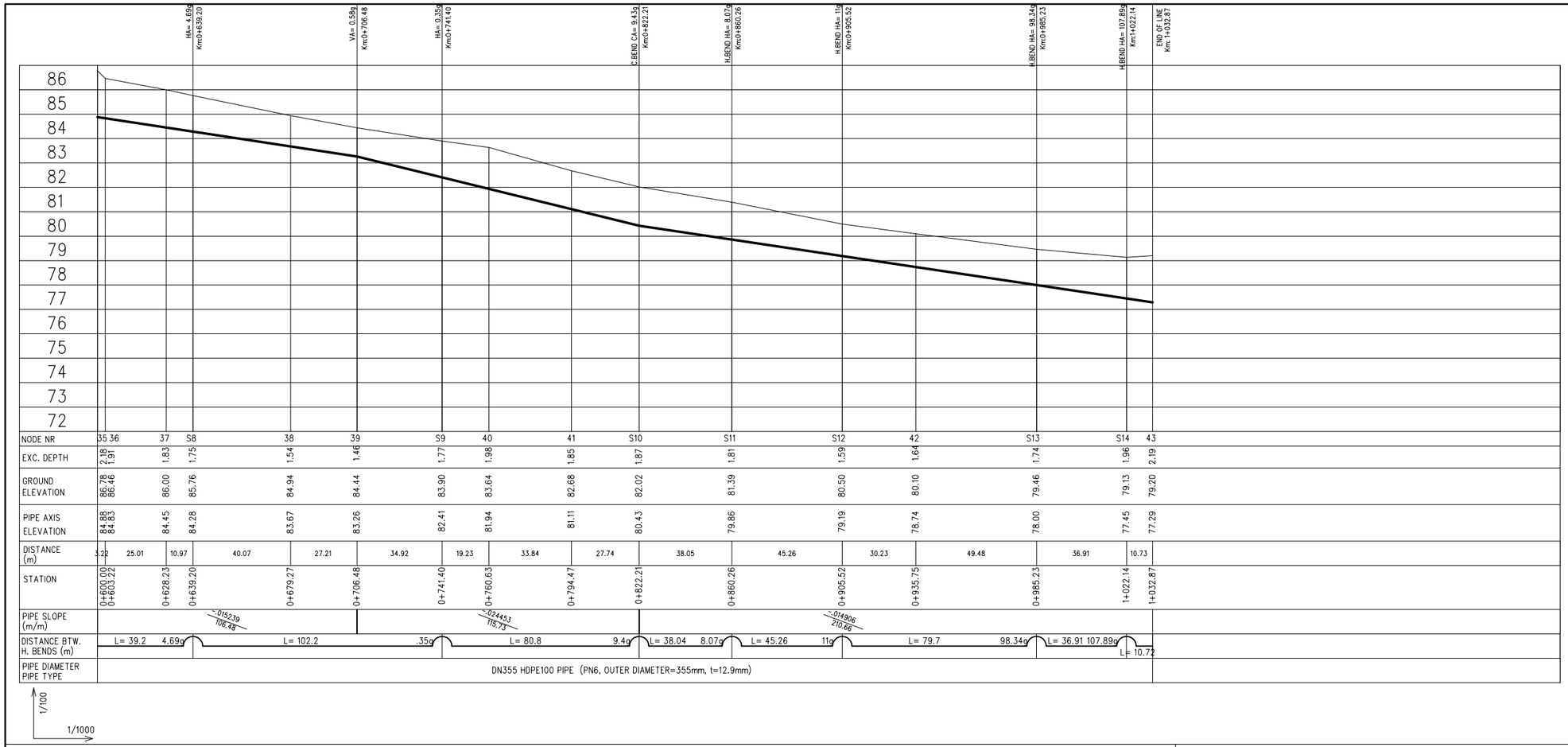
1/100

1/1000



SOME NOKTASI	KOORDİNAT		KİLOMETRE (m)	ARA MESAFE (m)	AÇI (grad)	REEL AÇI (grad)
	KUZEY	DOĞU				
0	4592418.94	313389.47	0+000.00			
S1	4592406.68	313393.90	0+013.04	13.04	367.61	-32.39
S2	4592399.29	313402.41	0+024.31	11.27	17.90	17.90
S3	4592354.36	313431.50	0+077.83	53.52	344.25	-55.75
S4	4592350.20	313465.96	0+112.54	34.71	360.16	-39.84
S5	4592399.07	313554.29	0+213.49	100.95	0.68	0.68
S6	4592489.94	313722.70	0+404.85	191.35	395.96	-4.04
S7	4592548.62	313816.67	0+515.64	110.79	392.16	-7.84

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Khacmaz	Facility : Plan & Profile of TL From Zone I Service Reservoir to Zone II Service Reservoir	Title : Between KM: 0+000.00 - 0+600.00	Scale of Drawing : 1/1000 Original Size of Paper : A1	Category - City SU-XAC Date March 2010	Facility Code - Number 09-05(01) Revision Number Rev.0

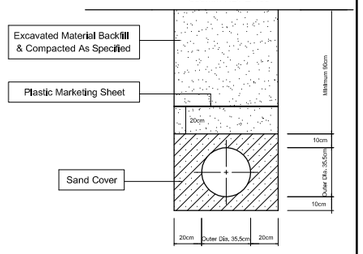


LEGEND

AIR VALVE
WASHOUT VALVE
LINE VALVE

V. BEND = VERTICAL BEND
H. BEND = HORIZONTAL BEND
C. BEND = COMBINED BEND
VA = VERTICAL ANGLE (in grad)
HA = HORIZONTAL ANGLE (in grad)
CA = COMBINED ANGLE (in grad)
AV = AIR VALVE
WV = WASHOUT VALVE
LV = LINE VALVE

TYPICAL TRENCH SECTION
355mm HDPE-100

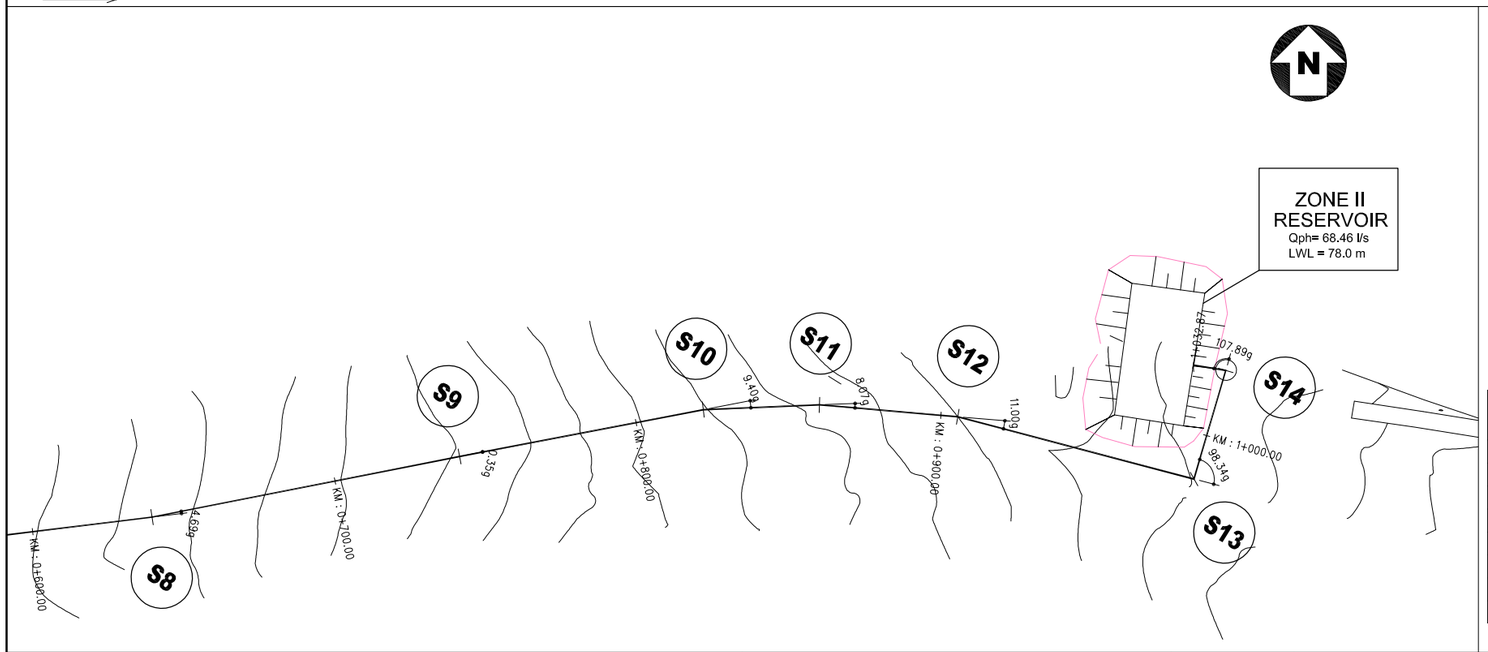


ÖLÇEK / SCALE : 1/100

0 2 4 6 8 10m

ÖLÇEK / SCALE : 1/1000

0 20 40 60 80 100m



SOME NOKTASI	KOORDİNAT		KİLOMETRE (m)	ARA MESAFE (m)	AÇI (grad)	REEL AÇI (grad)
	KUZEY	DOĞU				
S8	4592626.46	313912.63	0+639.20	123.56	395.31	-4.69
S9	4592696.50	313987.05	0+741.40	102.20	0.35	0.35
S10	4592751.66	314046.30	0+822.34	80.94	9.40	9.40
S11	4592773.11	314077.53	0+860.24	37.90	8.07	8.07
S12	4592793.83	314117.80	0+905.51	45.28	11.00	11.00
S13	4592817.56	314193.89	0+985.22	79.71	301.66	-98.34
S14	4592853.07	314183.82	1+022.13	36.90	292.11	-107.89
43	4592848.88	314173.93	1+032.87	10.74		

SPECIAL ASSISTANCE FOR PROJECT IMPLEMENTATION (SAPI) FOR THE PROVINCIAL CITIES WATER SUPPLY AND SEWERAGE PROJECT IN THE REPUBLIC OF AZERBAIJAN	AZERSU JOINT STOCK COMPANY, the Republic of Azerbaijan Japan International Cooperation Agency (JICA), Japan	Site : Khacmaz	Facility : Plan & Profile of TL From Zone I Service Reservoir to Zone II Service Reservoir	Title : Between KM: 0+600.00 - 1+032.87	Scale of Drawing : 1/1000 Original Size of Paper : A1	Category - City SU-XAC Date March 2010	Facility Code - Number 09-05(02) Revision Number Rev.0