

OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:
THE PROJECT FOR
RURAL WATER SUPPLY

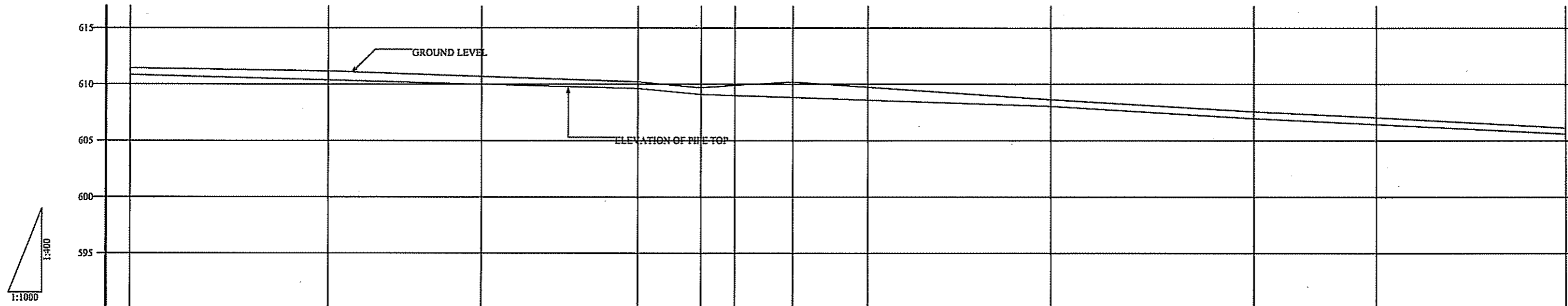
CONSULTING ENGINEERS:
 NIPPON KOEI CO.,LTD.

TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(19/40)

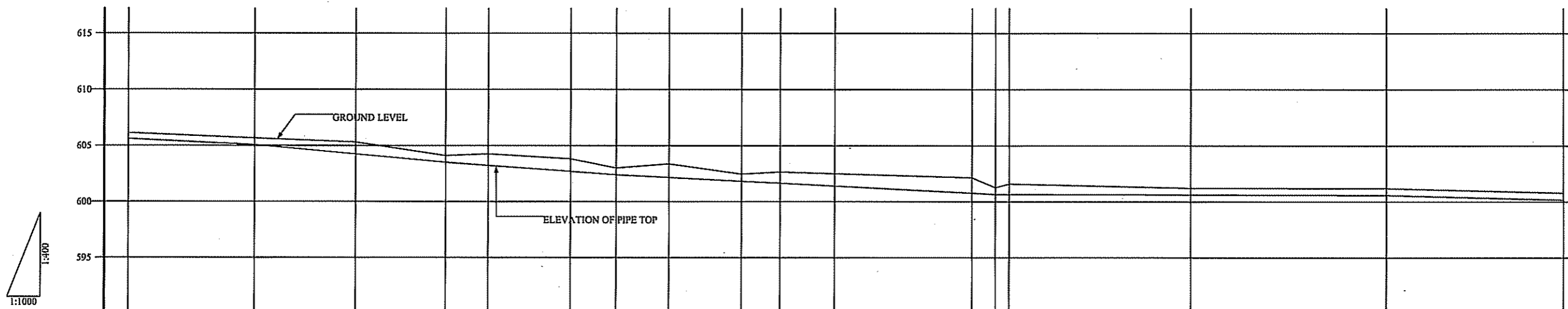
SCALE
H = 1:1000
V = 1:400

DATE
FEB.2006

DRAWING NO.
WSF-032



Ground Level (m)	611.45	611.17	610.22	609.70	609.92	610.21	607.76	606.65	607.38	607.05	606.14
Earth Covering Depth (m)	0.80	0.79	0.80	0.80	0.91	1.38	1.16	0.89	0.69	0.62	0.51
Elevation of Pipe Bottom (m)	610.79	610.31	609.56	609.94	609.94	608.77	606.54	607.99	606.92	606.39	605.56
Cumulative Distance (m)	592.61	642.5	713.87	728.15	735.76	748.79	765.69	806.85	852.50	890.27	928.96



Ground Level (m)	606.14	605.68	605.31	604.12	604.26	603.82	603.01	603.39	602.47	602.85	602.51	602.14	601.26	601.59	601.72	601.19	602.80
Earth Covering Depth (m)	0.51	0.60	0.66	0.60	1.02	1.12	0.69	1.23	0.64	1.00	1.11	1.37	0.60	0.63	0.59	0.60	0.63
Elevation of Pipe Bottom (m)	605.56	605.01	604.19	603.46	603.16	602.94	602.35	602.10	601.77	601.59	601.41	600.71	600.60	600.90	600.57	600.53	602.11
Cumulative Distance (m)	922.96	951.47	974.12	994.51	1004.12	1022.50	1032.73	1044.67	1062.94	1069.56	1081.83	1122.56	1117.50	1120.99	1161.82	1205.81	1265.72

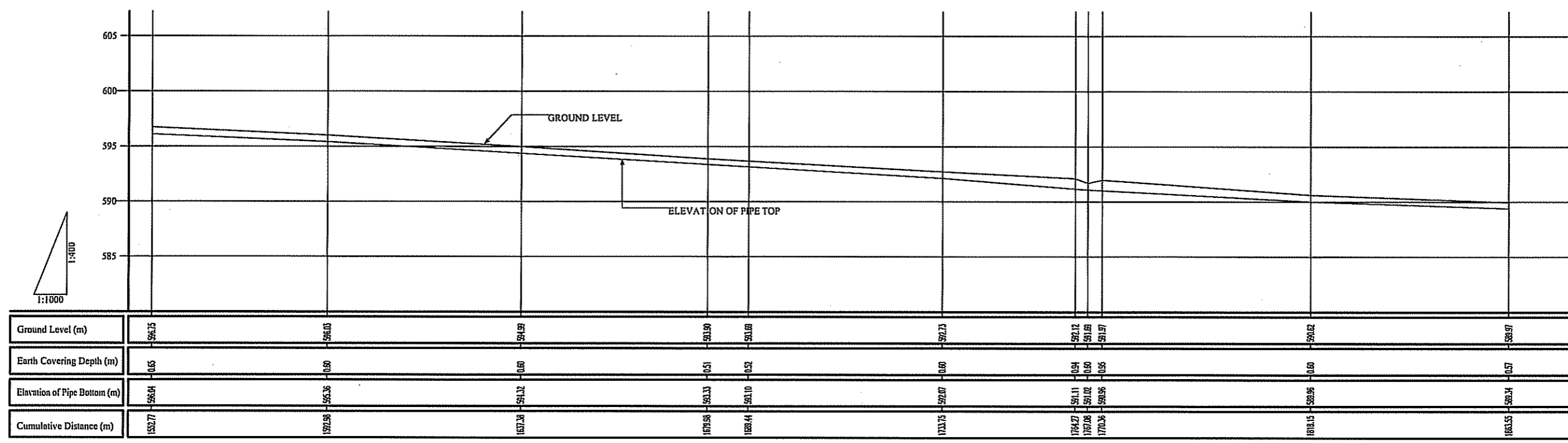
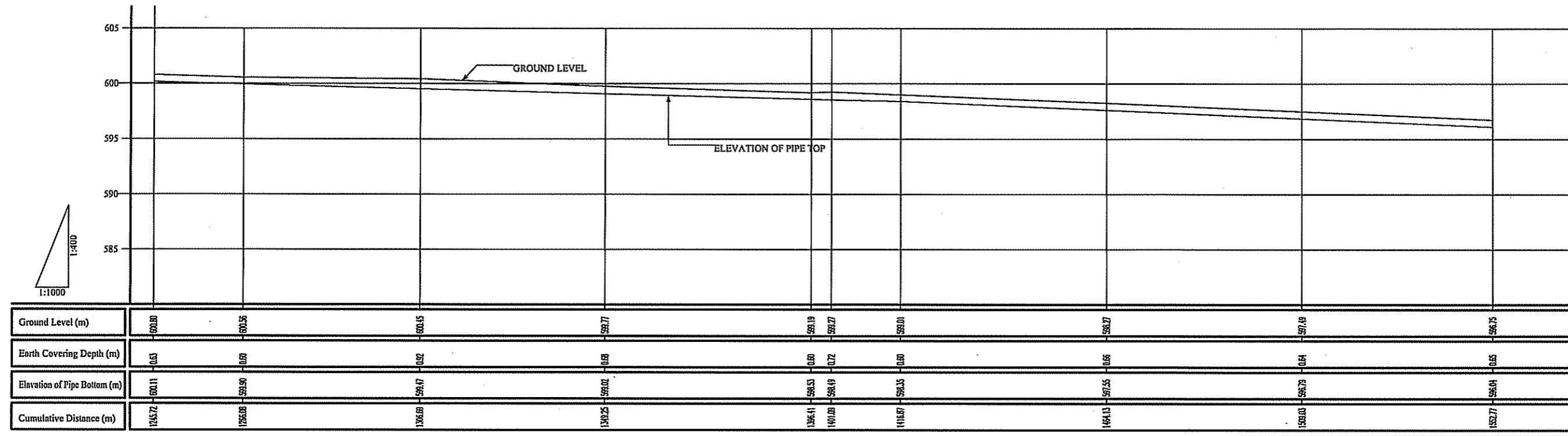
OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:
THE PROJECT FOR
RURAL WATER SUPPLY

CONSULTING ENGINEERS:
 NIPPON KOEI CO.,LTD.

TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(20/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-033
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OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:
THE PROJECT FOR
RURAL WATER SUPPLY

CONSULTING ENGINEERS:
 NIPPON KOEI CO.,LTD.

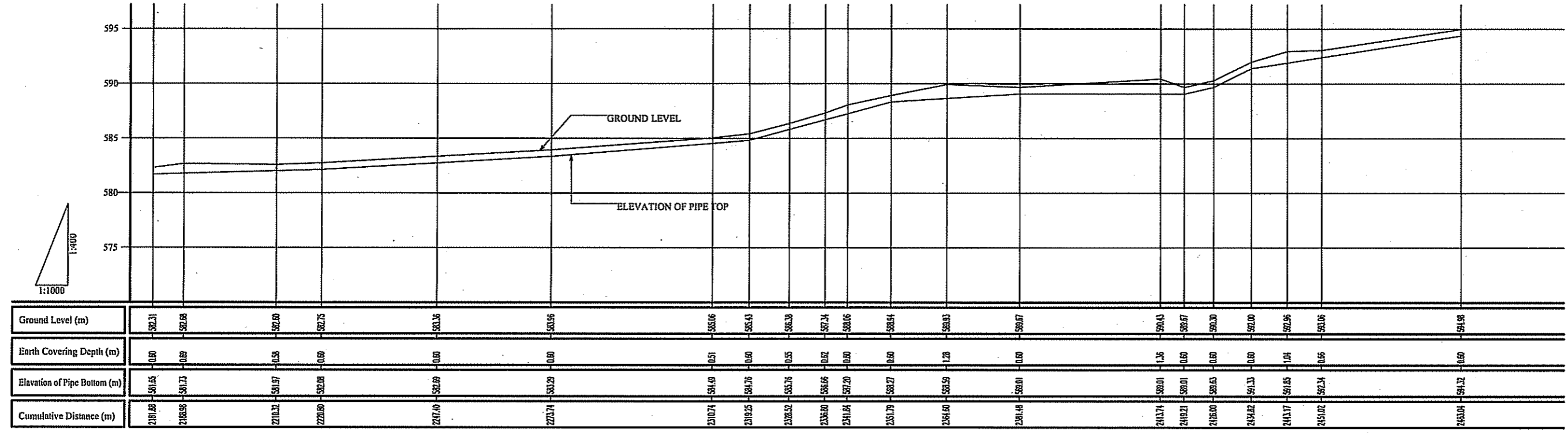
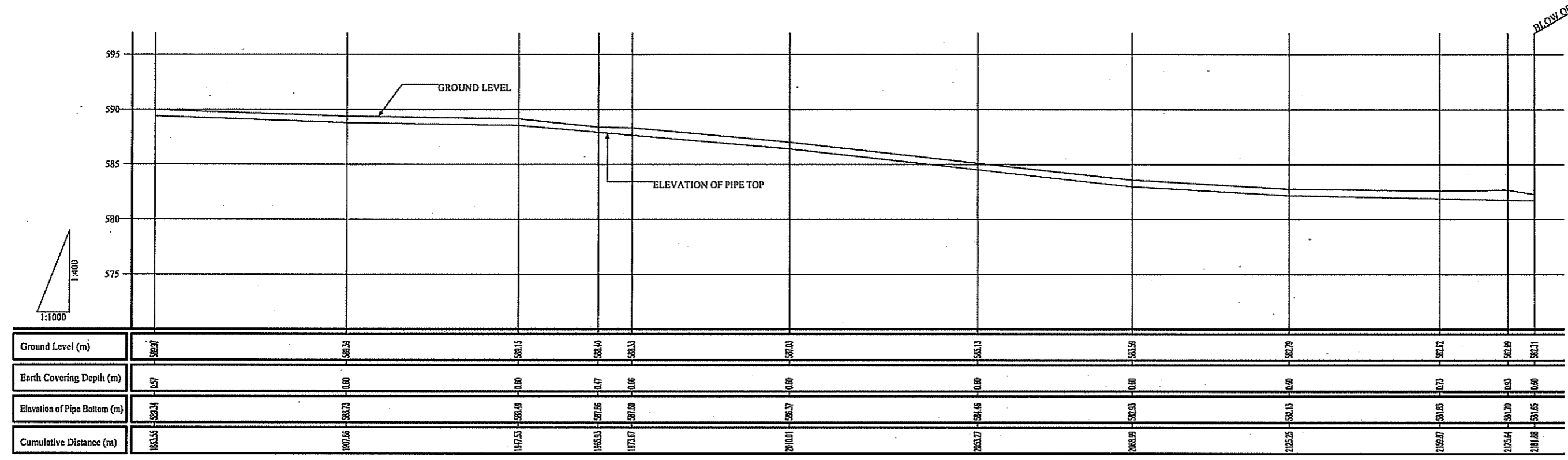
TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(21/40)

SCALE
H = 1:1000
V = 1:400

DATE
FEB.2006


DRAWING NO.
WSF-034

STORAGE TANK - KATHANZE (4/20)



OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:
THE PROJECT FOR
RURAL WATER SUPPLY

CONSULTING ENGINEERS:
 NIPPON KOEI CO.,LTD.

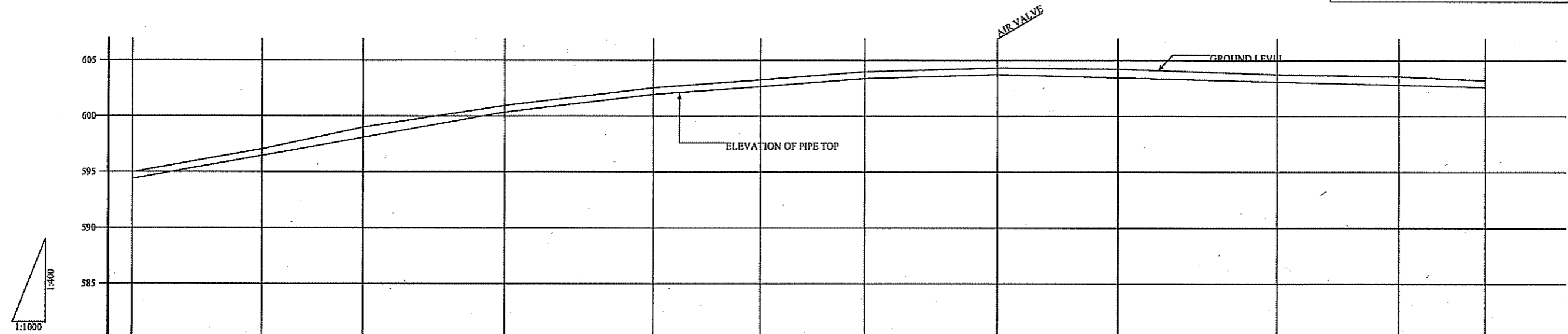
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REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(22/40)

SCALE
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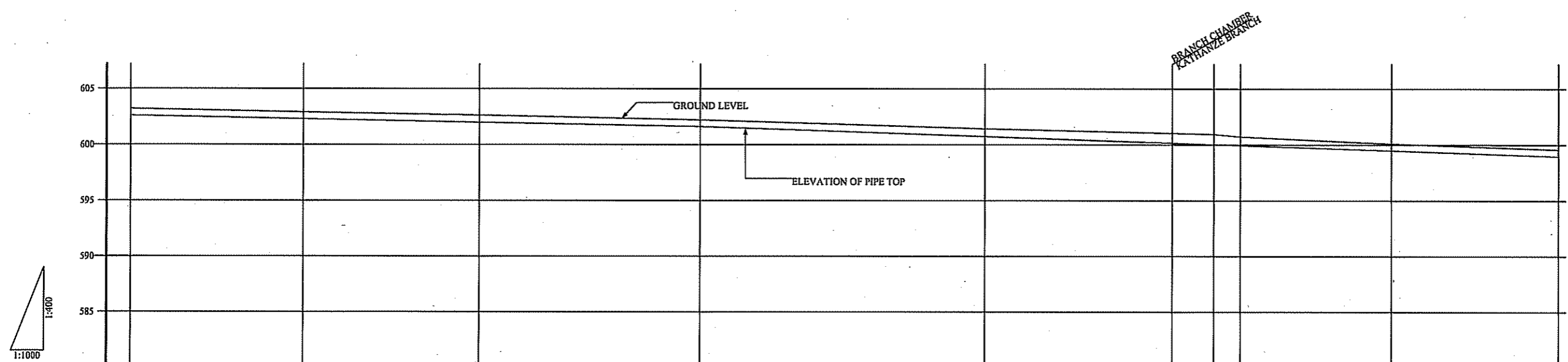
DATE
FEB.2006

DRAWING NO.
WSF-035

STORAGE TANK - KATHANZE (5/20)



Ground Level (m)	594.98	597.56	599.01	600.95	602.55	603.25	603.98	604.53	604.24	603.74	603.55	603.21
Earth Covering Depth (m)	0.60	0.60	0.53	0.60	0.60	0.60	0.60	0.60	0.79	0.65	0.74	0.60
Elevation of Pipe Bottom (m)	594.32	596.90	598.02	600.29	601.89	602.55	603.31	603.67	603.39	603.03	602.53	602.53
Cumulative Distance (m)	2483.04	2512.41	2533.39	2567.55	2601.14	2635.40	2669.01	2679.09	2705.51	2742.46	2770.11	2788.56



Ground Level (m)	603.21	602.92	602.65	602.22	601.44	601.65	600.95	600.74	600.11	599.38
Earth Covering Depth (m)	0.60	0.60	0.64	0.60	0.69	0.66	0.92	0.78	0.62	0.60
Elevation of Pipe Bottom (m)	602.55	602.25	601.94	601.55	600.88	600.95	599.95	599.90	599.43	598.91
Cumulative Distance (m)	2788.66	2808.75	2832.39	2863.70	2903.10	3025.48	3040.04	3040.04	3075.17	3113.11

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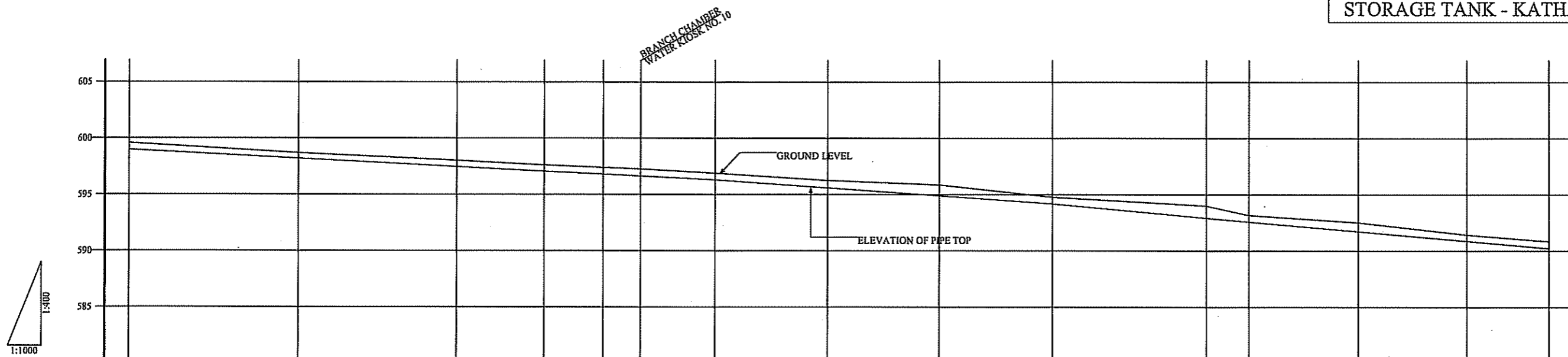
PROJECT NAME:
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 NIPPON KOEI CO.,LTD.

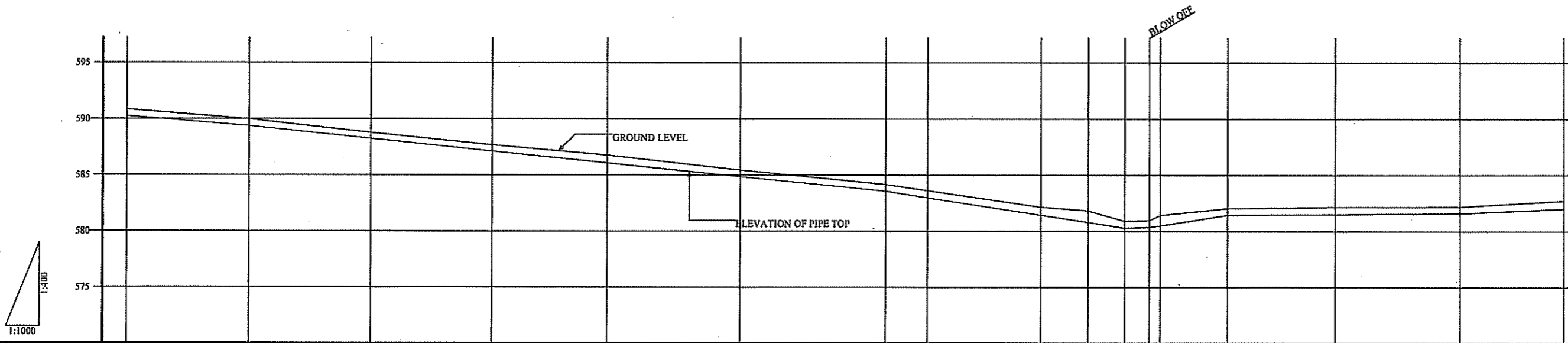
TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(23/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-036
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STORAGE TANK - KATHANZE (6/20)




Ground Level (m)	599.98	598.79	598.04	597.84	597.41	597.27	596.80	596.25	595.87	594.79	594.00	593.18	592.53	591.45	590.85
Earth Covering Depth (m)	0.80	0.50	0.56	0.56	0.60	0.63	0.80	0.85	0.87	0.80	1.07	0.80	0.79	0.55	0.60
Elevation of Pipe Bottom (m)	599.18	598.11	597.41	597.20	596.74	596.59	596.24	595.54	594.83	594.13	592.87	592.51	591.67	590.83	590.19
Cumulative Distance (m)	314.11	315.33	317.06	317.41	318.95	320.37	324.20	327.82	328.76	331.25	335.99	336.65	338.17	344.64	343.38



Ground Level (m)	590.05	589.48	588.78	587.70	586.78	585.17	584.18	583.63	582.18	581.84	580.91	580.09	581.43	582.04	582.18	582.28	582.71
Earth Covering Depth (m)	0.80	0.80	0.51	0.56	0.69	0.80	0.80	0.63	0.71	1.00	0.80	0.80	0.83	0.80	0.84	0.80	0.71
Elevation of Pipe Bottom (m)	589.19	588.32	588.20	587.08	585.83	584.80	583.51	582.84	581.29	580.74	580.24	580.30	580.44	581.28	581.45	581.54	581.94
Cumulative Distance (m)	343.38	349.95	349.32	355.76	361.54	367.51	369.15	371.65	375.17	380.74	385.72	386.47	386.89	388.20	390.38	393.41	397.00

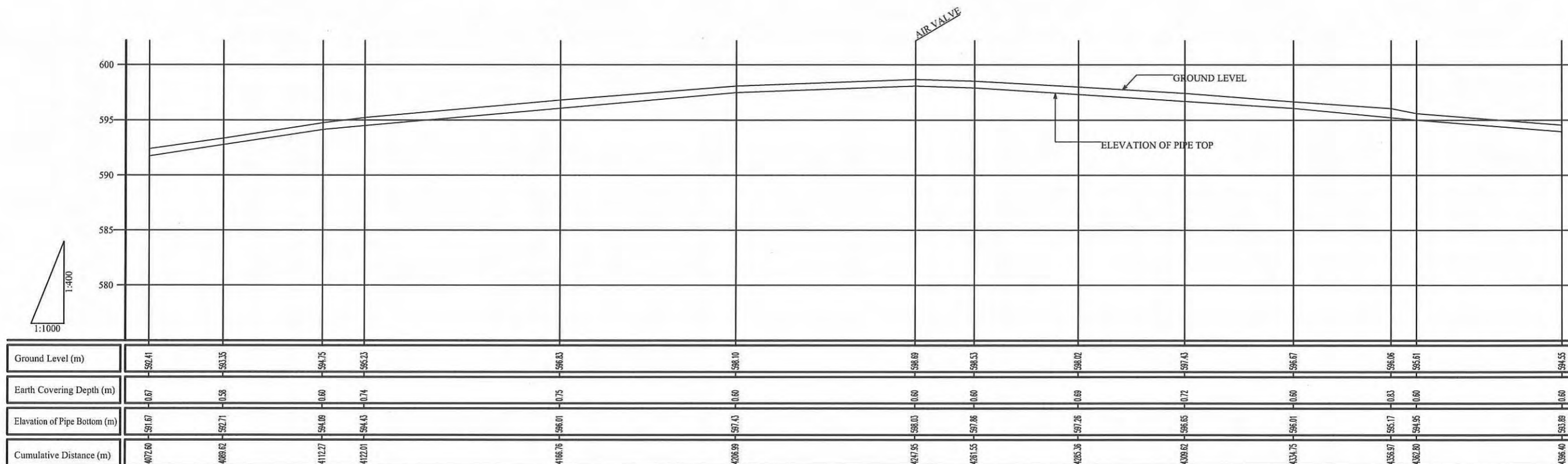
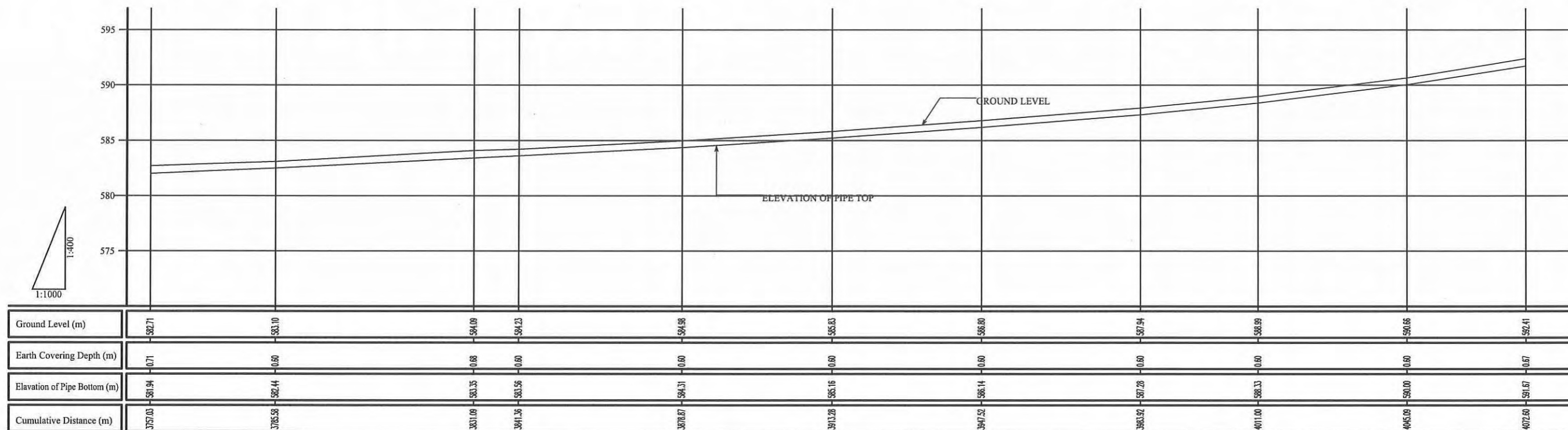
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THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:
THE PROJECT FOR
RURAL WATER SUPPLY

CONSULTING ENGINEERS:
 NIPPON KOEI CO., LTD.

TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(24/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-037
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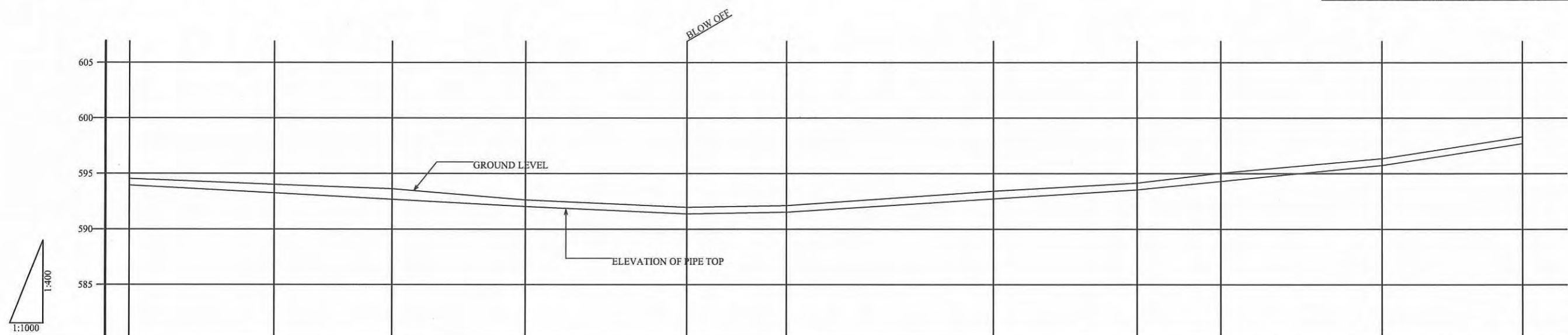
OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:
THE PROJECT FOR
RURAL WATER SUPPLY

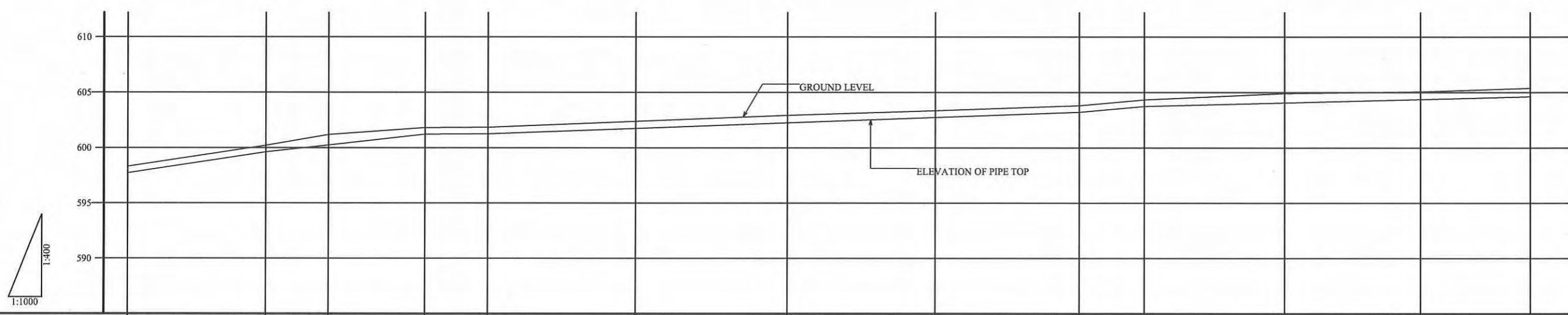
CONSULTING ENGINEERS:
 NIPPON KOEI CO.,LTD.

TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(25/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-038
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Ground Level (m)	594.55	594.03	593.64	592.64	591.98	592.13	593.42	594.18	596.05	596.36	596.32
Earth Covering Depth (m)	0.60	0.77	0.95	0.60	0.60	0.60	0.69	0.60	0.60	0.74	0.60
Elevation of Pipe Bottom (m)	593.95	593.19	592.62	591.98	591.32	591.47	592.67	593.50	594.25	595.69	597.66
Cumulative Distance (m)	438.40	442.43	446.34	448.74	452.60	456.23	459.48	462.18	464.38	467.08	471.20



Ground Level (m)	598.32	600.21	601.19	601.83	601.96	602.39	602.94	603.37	603.82	604.35	604.91	605.07	605.40
Earth Covering Depth (m)	0.60	0.60	0.95	0.60	0.60	0.64	0.68	0.62	0.60	0.60	0.64	0.69	0.77
Elevation of Pipe Bottom (m)	597.66	599.55	600.18	601.16	601.20	601.69	602.19	602.68	603.16	603.69	604.01	604.32	604.57
Cumulative Distance (m)	471.20	476.16	479.00	479.12	479.43	482.92	484.54	486.16	487.05	487.73	487.76	500.62	503.80

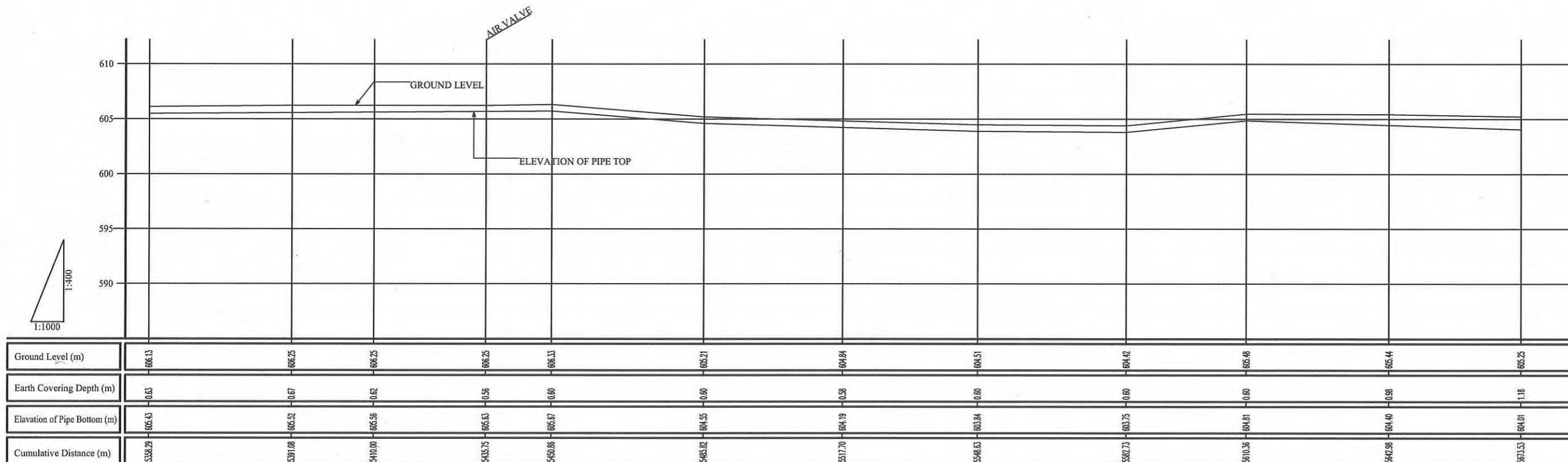
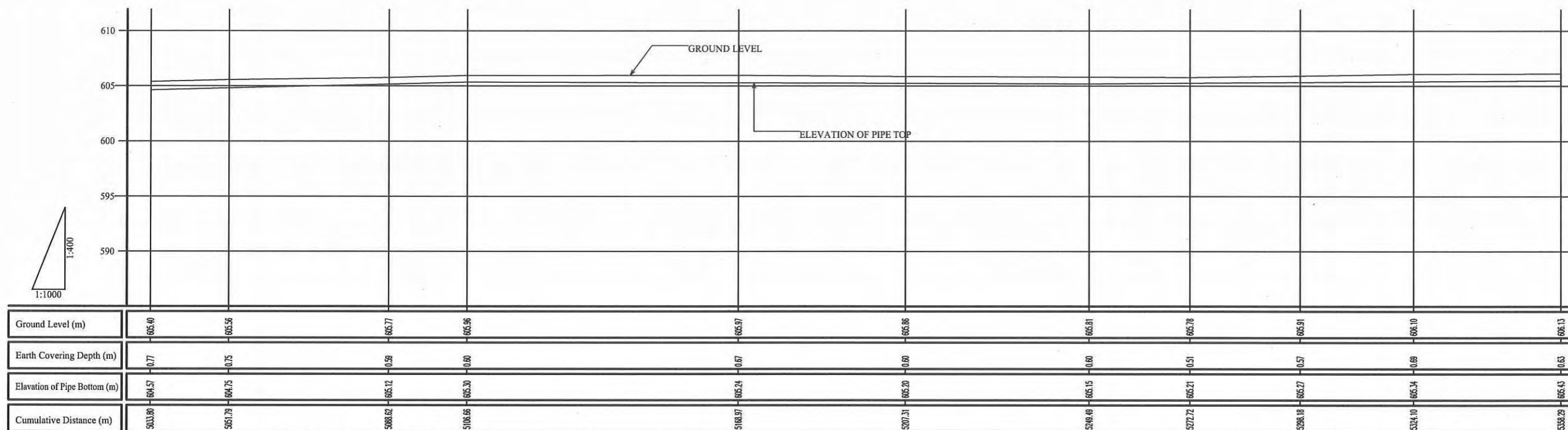
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THE REPUBLIC OF KENYA


PROJECT NAME:
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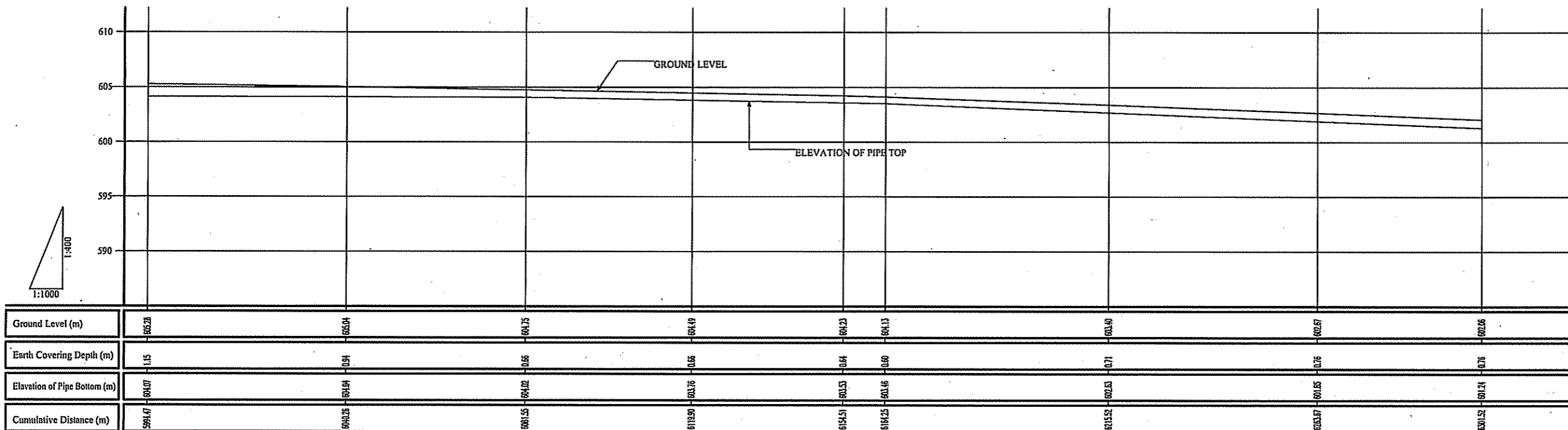
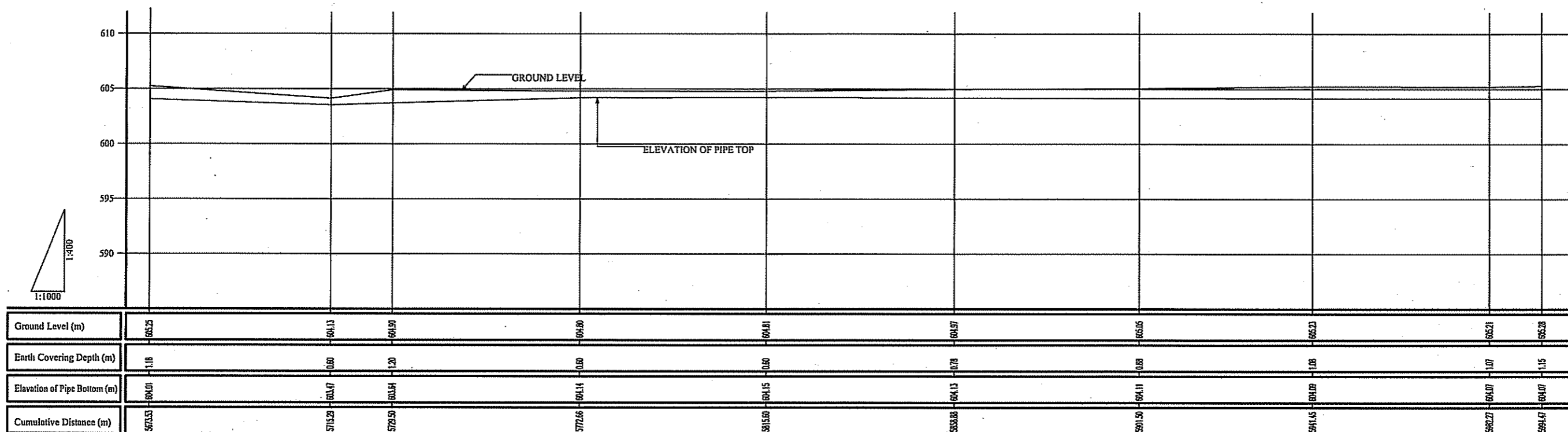
CONSULTING ENGINEERS:
 NIPPON KOEI CO., LTD.

TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(26/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-039
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OWNER: THE MINISTRY OF WATER AND IRRIGATION THE REPUBLIC OF KENYA	PROJECT NAME: THE PROJECT FOR RURAL WATER SUPPLY	CONSULTING ENGINEERS:  NIPPON KOEI CO.,LTD.	TITLE: REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(27/40)	
			SCALE H = 1:1000 V = 1:400	DATE FEB.2006
			DRAWING NO. WSF-040	



OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

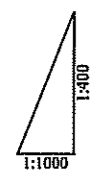
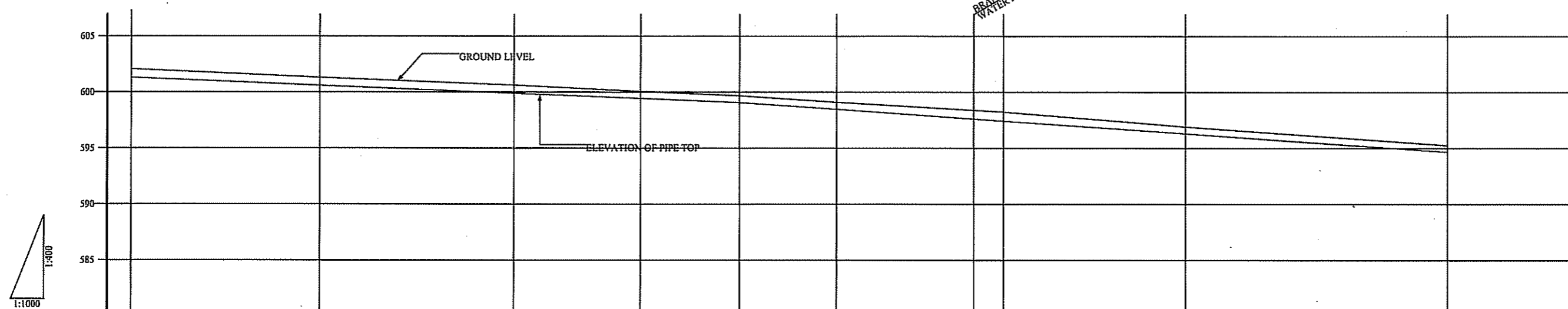
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RURAL WATER SUPPLY

CONSULTING ENGINEERS:
 NIPPON KOEI CO., LTD.

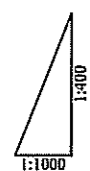
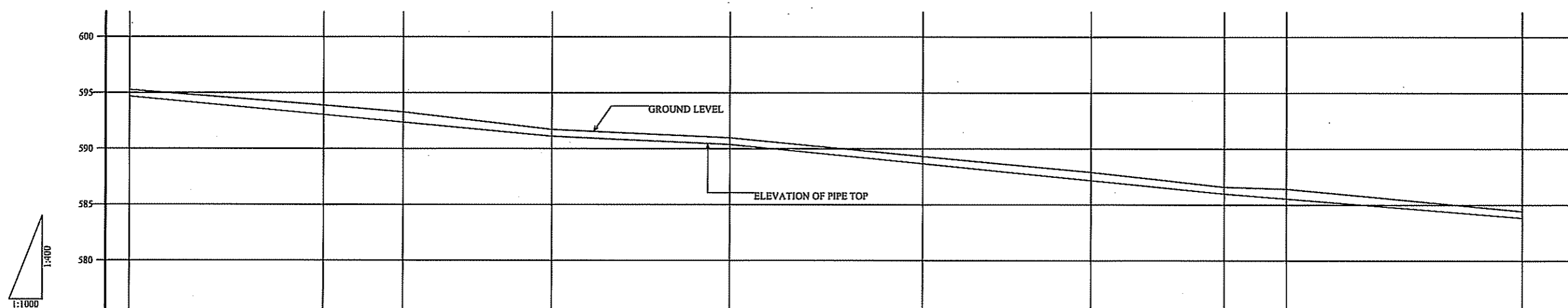
TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(28/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-041
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BRANCH CHAMBER
WATER TOWER NO. 11



Ground Level (m)	602.06	601.32	600.62	600.06	599.67	599.10	598.38	598.23	596.92	595.27
Earth Covering Depth (m)	0.76	0.71	0.72	0.63	0.60	0.63	0.77	0.80	0.62	0.60
Elevation of Pipe Bottom (m)	601.24	600.54	599.83	599.37	599.00	598.40	597.55	597.37	596.24	594.61
Cumulative Distance (m)	6301.52	6344.19	6388.02	6416.62	6438.04	6460.57	6491.52	6498.67	6539.00	6599.06



Ground Level (m)	595.27	593.29	593.29	591.73	590.99	589.33	587.92	586.59	586.44	584.43
Earth Covering Depth (m)	0.60	0.65	0.62	0.60	0.60	0.65	0.74	0.60	0.60	0.60
Elevation of Pipe Bottom (m)	594.61	592.59	592.31	591.06	590.33	588.62	587.12	585.93	585.84	583.77
Cumulative Distance (m)	6599.06	6629.19	6660.92	6694.44	6714.60	6731.00	6816.13	6846.24	6886.28	6911.67

OWNER:
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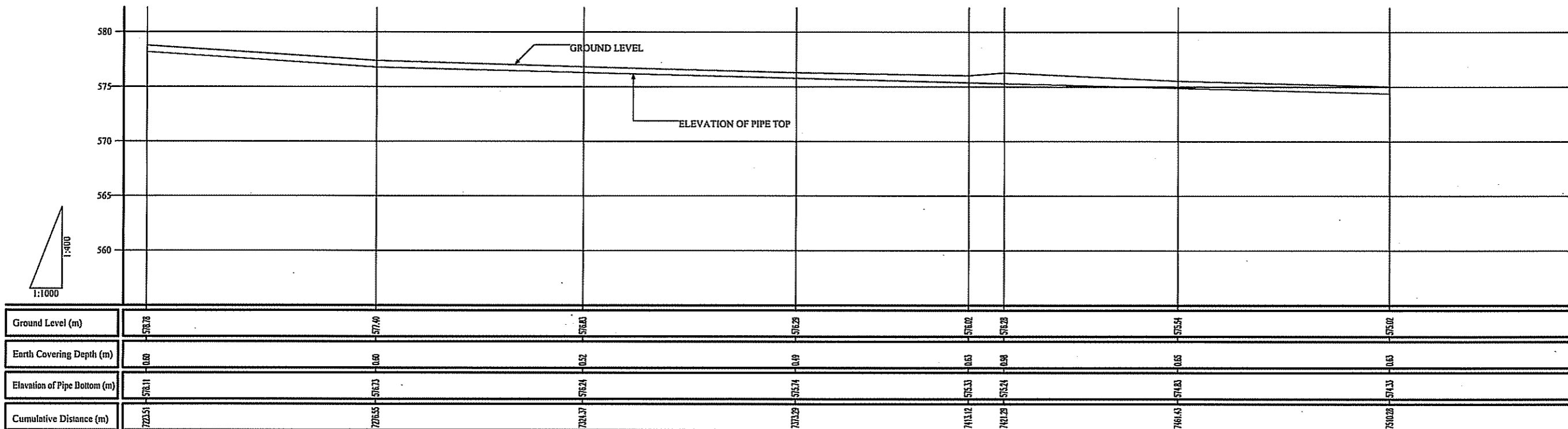
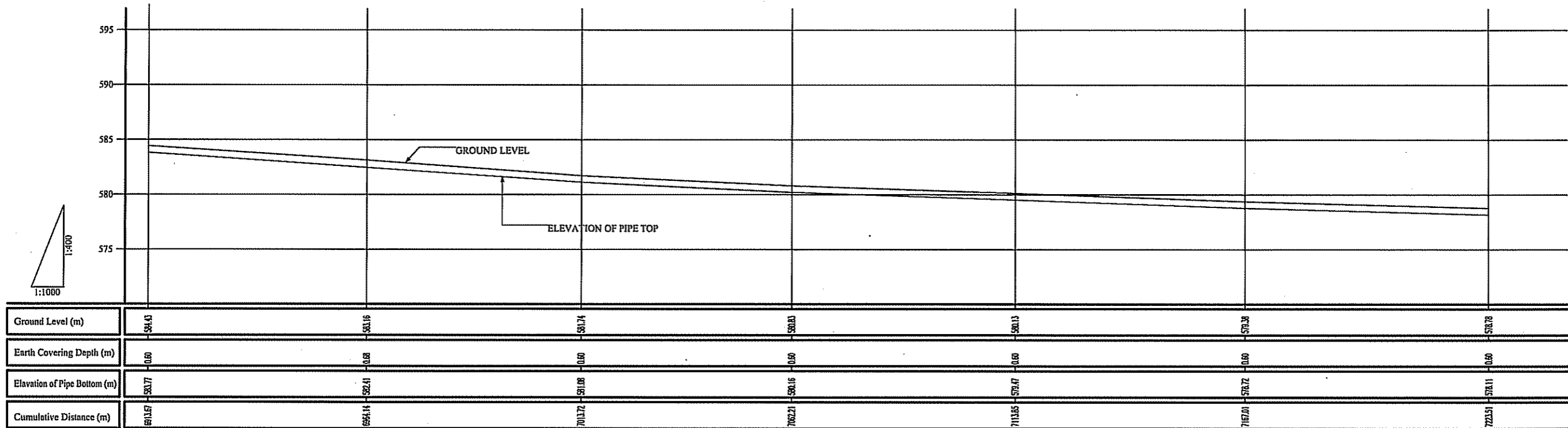
PROJECT NAME:
THE PROJECT FOR
RURAL WATER SUPPLY

CONSULTING ENGINEERS:
 NIPPON KOEI CO.,LTD.

TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(29/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-042
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STORAGE TANK - KATHANZE (12/20)



OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:
THE PROJECT FOR
RURAL WATER SUPPLY

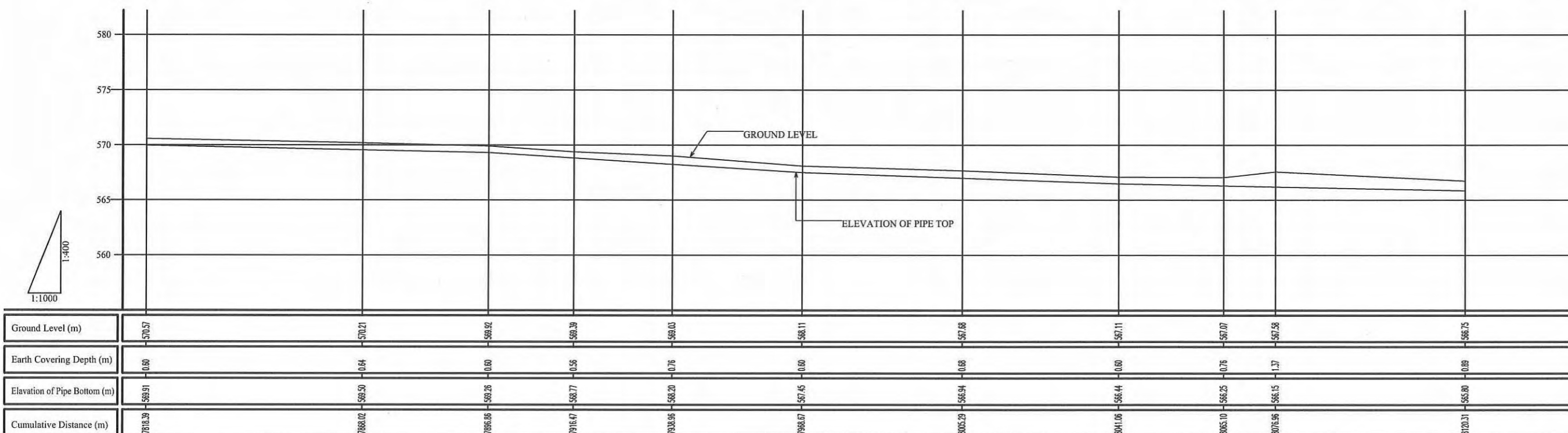
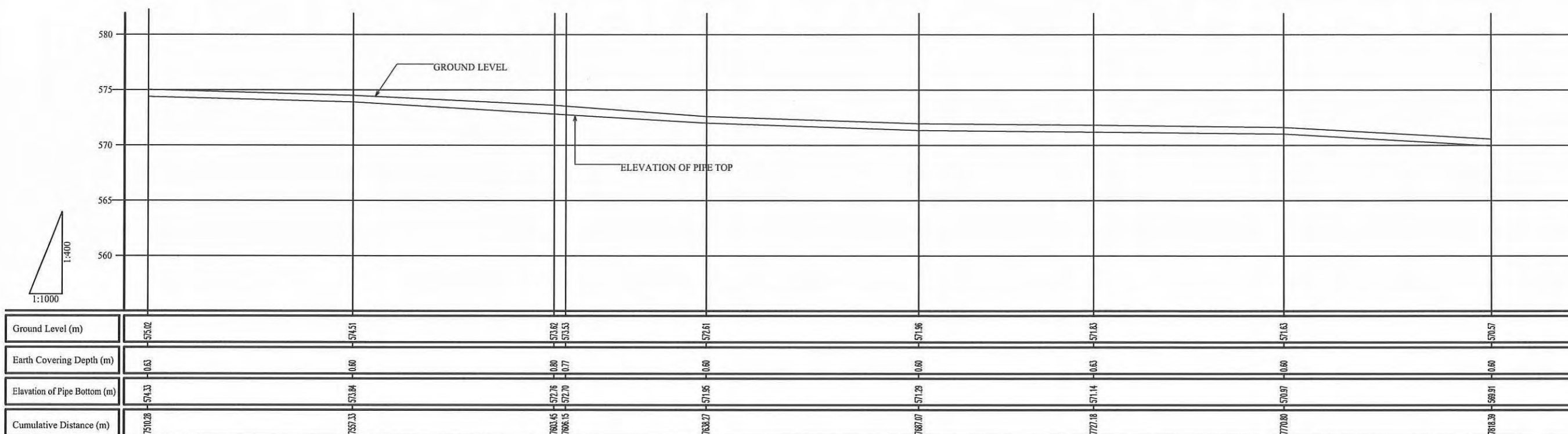
CONSULTING ENGINEERS:
 NIPPON KOEI CO.,LTD.

TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(30/40)

SCALE
H = 1:1000
V = 1:400

DATE
FEB.2006

DRAWING NO.
WSF-043



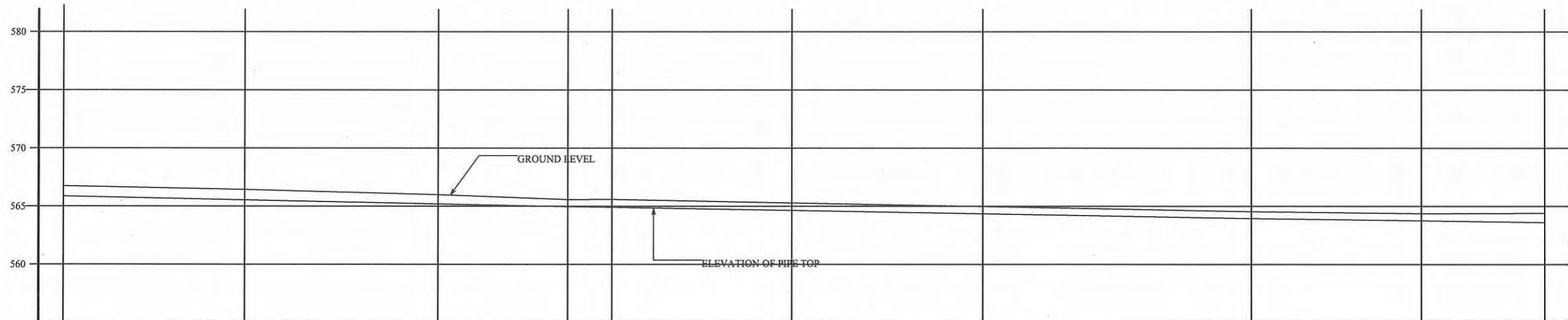
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THE REPUBLIC OF KENYA

PROJECT NAME:
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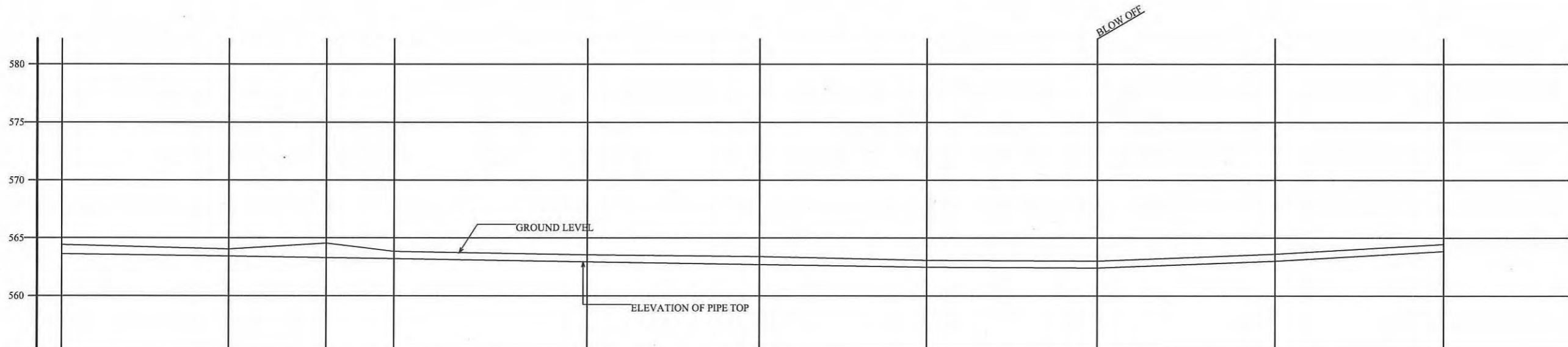
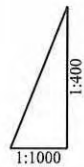
CONSULTING ENGINEERS:
 NIPPON KOEI CO.,LTD.

TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(31/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-044
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Ground Level (m)	566.75	566.44	566.00	565.58	565.59	565.30	564.98	564.55	564.37	564.41
Earth Covering Depth (m)	0.89	0.90	0.80	0.60	0.68	0.66	0.63	0.60	0.61	0.80
Elevation of Pipe Bottom (m)	565.80	565.48	565.14	564.91	564.85	564.58	564.29	563.89	563.70	563.56
Cumulative Distance (m)	8120.31	8159.77	8202.65	8239.29	8239.94	8279.06	8320.78	8379.31	8416.38	8443.41



Ground Level (m)	564.41	564.04	564.55	563.83	563.56	563.40	563.08	563.01	563.61	564.46
Earth Covering Depth (m)	0.80	0.80	1.25	0.82	0.81	0.89	0.80	0.80	0.80	0.80
Elevation of Pipe Bottom (m)	563.56	563.37	563.24	563.15	562.88	562.65	562.42	562.35	562.95	563.80
Cumulative Distance (m)	8443.41	8479.71	8501.09	8515.85	8537.90	8595.35	8637.74	8668.92	8707.56	8744.32

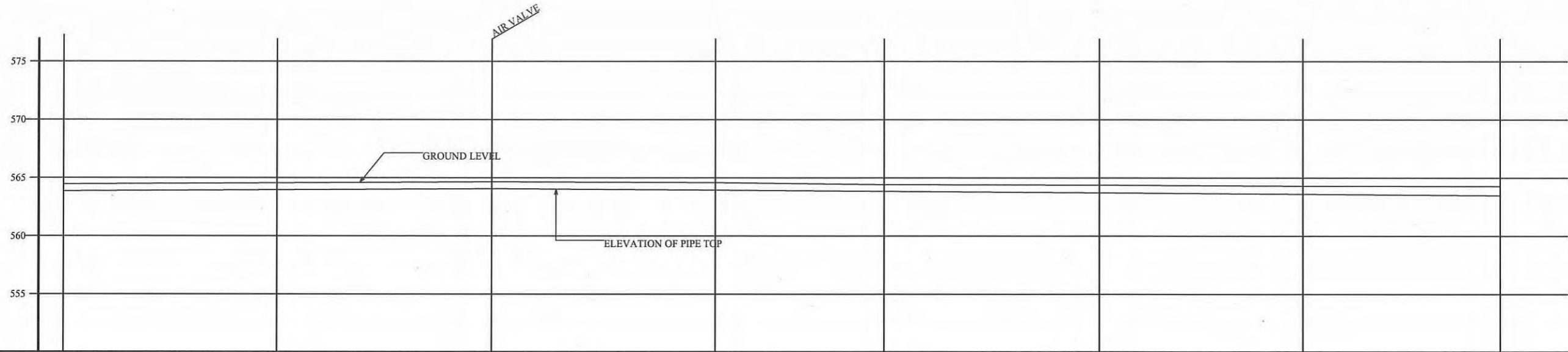
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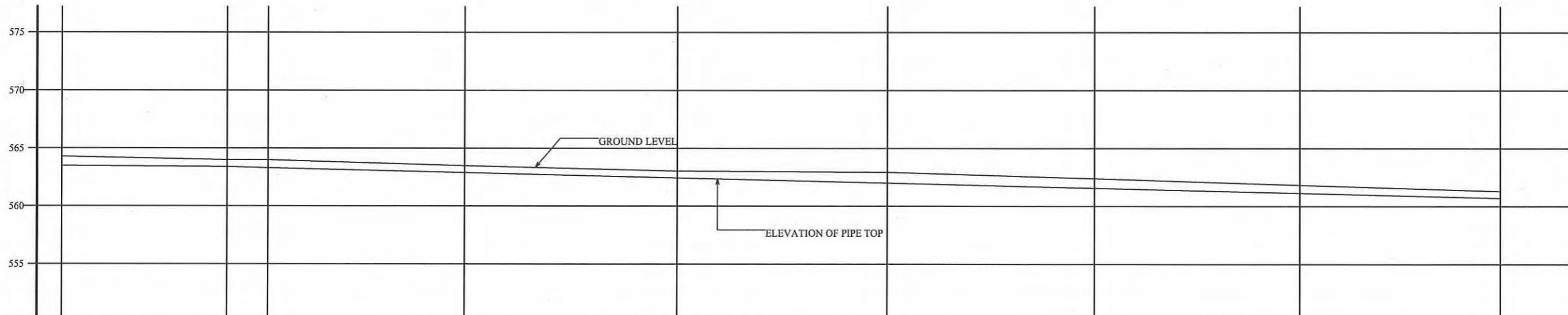
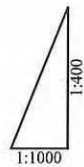
CONSULTING ENGINEERS:
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TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(32/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-045
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Ground Level (m)	584.46	584.56	584.67	584.59	584.43	584.39	584.30	584.29
Earth Covering Depth (m)	0.80	0.80	0.80	0.65	0.58	0.66	0.69	0.80
Elevation of Pipe Bottom (m)	583.88	583.90	584.01	583.88	583.78	583.66	583.55	583.43
Cumulative Distance (m)	874.32	8790.73	8837.57	8886.29	8933.15	8979.19	9011.58	9057.72



Ground Level (m)	584.29	584.00	584.01	583.49	583.04	582.94	582.39	581.84	581.31
Earth Covering Depth (m)	0.80	0.80	0.69	0.59	0.59	0.93	0.82	0.70	0.80
Elevation of Pipe Bottom (m)	583.43	583.34	583.25	582.84	582.39	581.95	581.51	581.07	580.65
Cumulative Distance (m)	9057.72	9093.63	9129.58	9165.43	9191.70	9217.45	9242.61	9267.34	9291.88

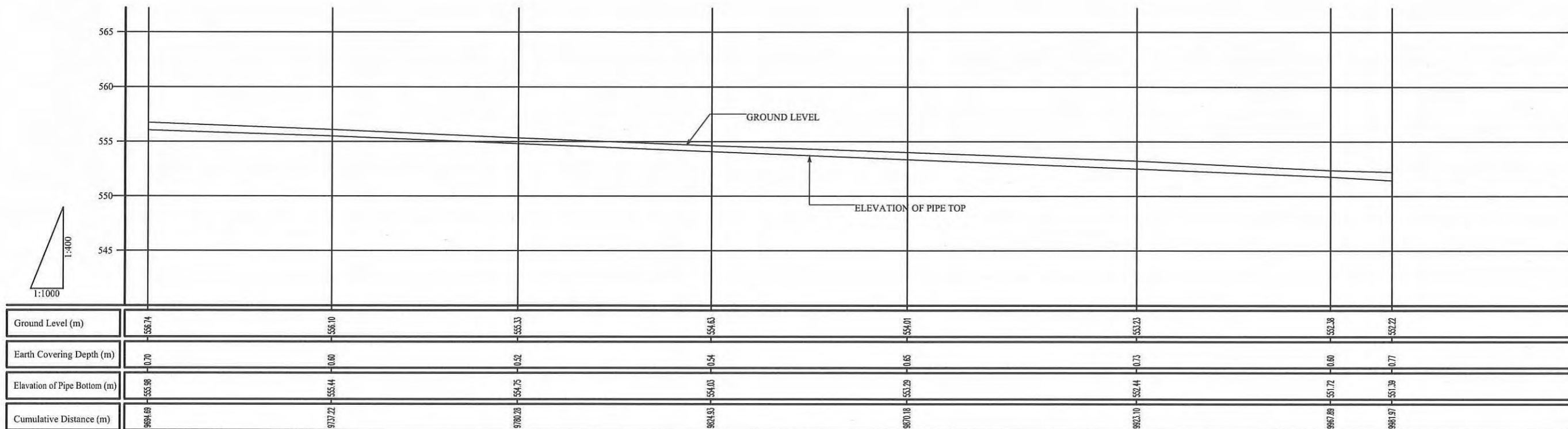
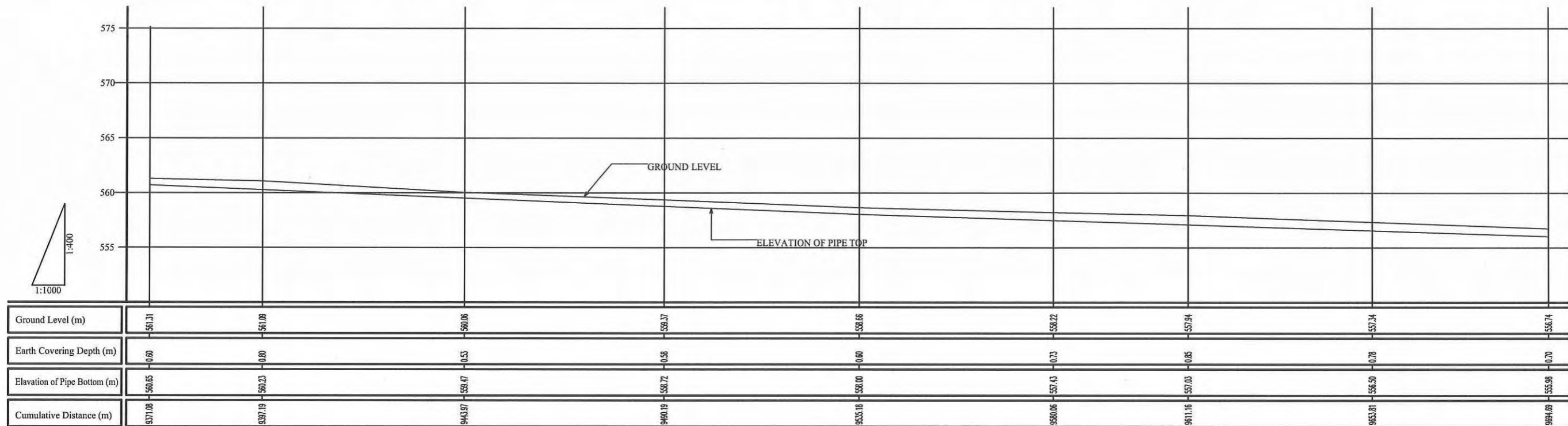
OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

PROJECT NAME:
THE PROJECT FOR
RURAL WATER SUPPLY

CONSULTING ENGINEERS:
 NIPPON KOEI CO.,LTD.

TITLE:
REHABILITATION OF MORA SPRING WATER SUPPLY FACILITY
PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(33/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-046
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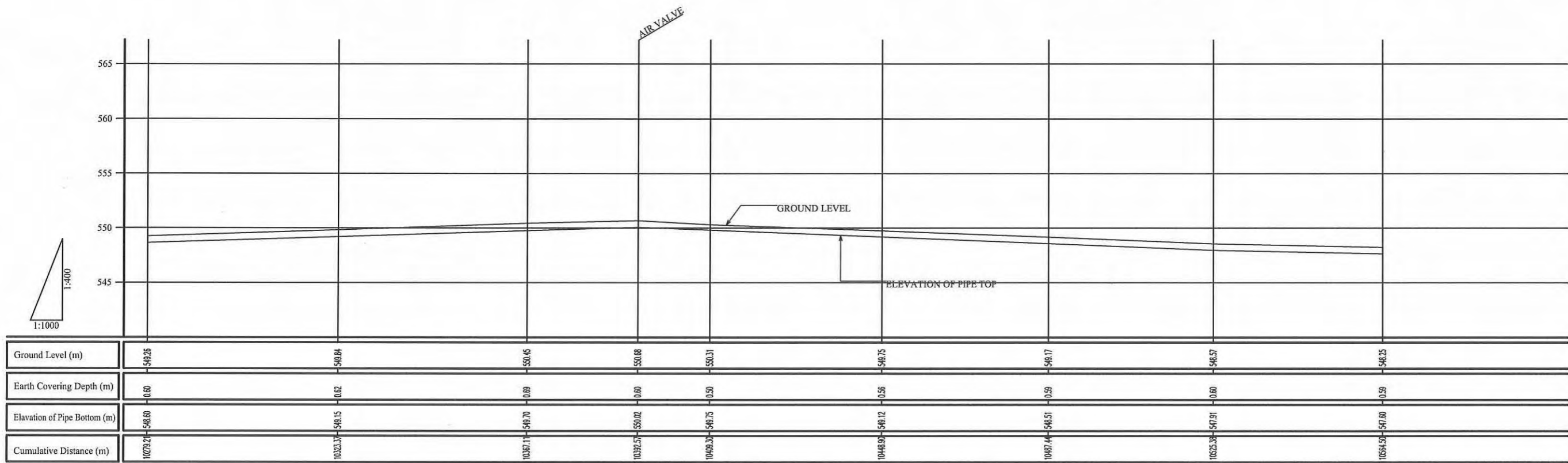
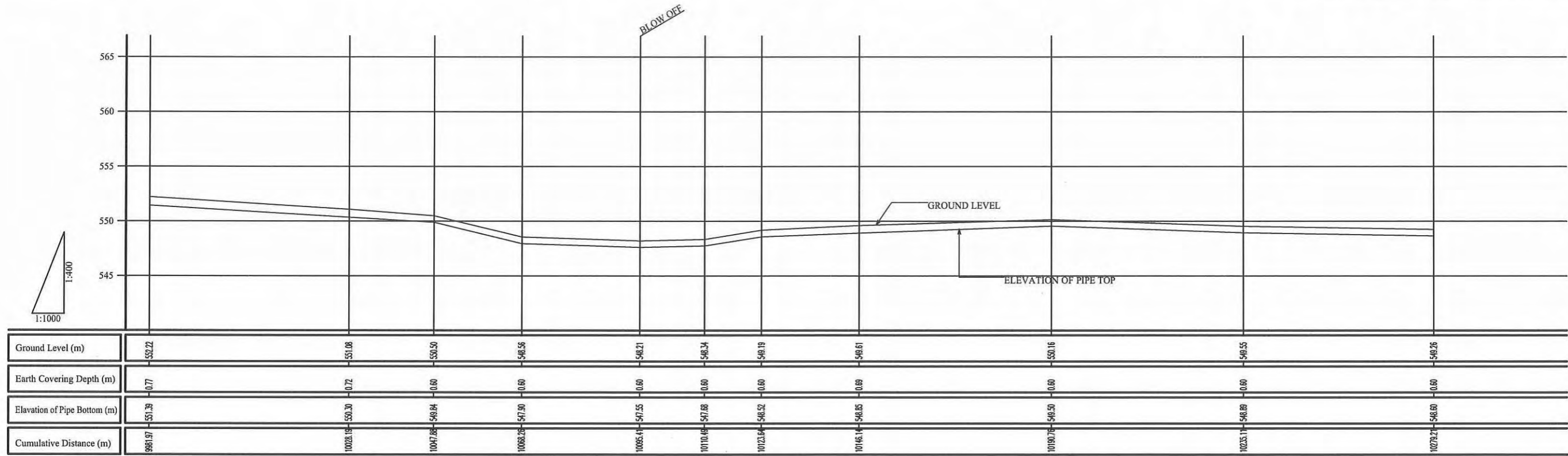
OWNER:
THE MINISTRY OF WATER AND IRRIGATION
THE REPUBLIC OF KENYA

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PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(34/40)

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PROFILE OF TRANSMISSION AND DISTRIBUTION PIPELINE(35/40)

SCALE H = 1:1000 V = 1:400	DATE FEB.2006	DRAWING NO. WSF-048
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