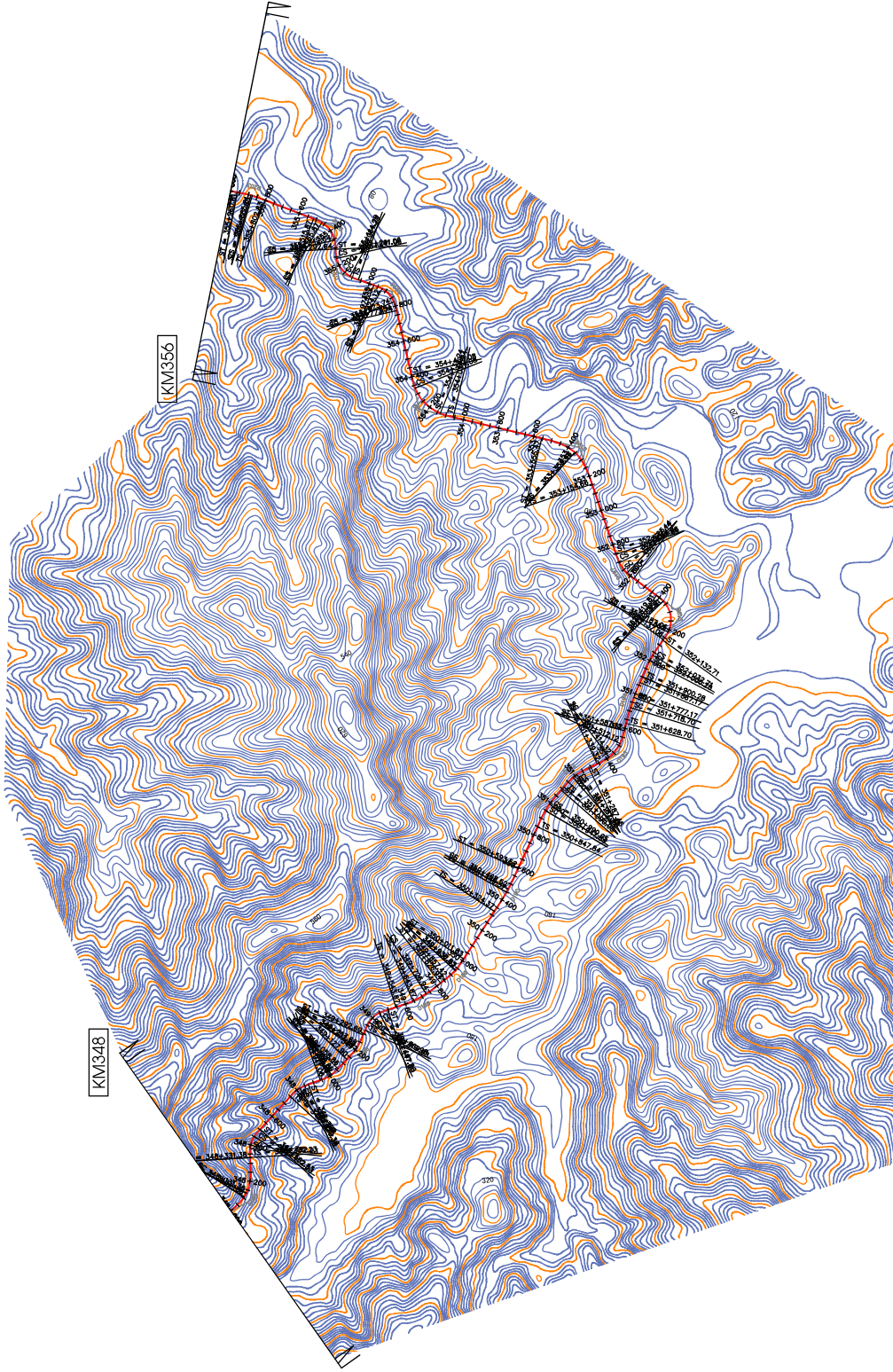


VIENTIANE

PLAN HANOI - VIENTIANE

SCALE: 1/25,000

HANOI



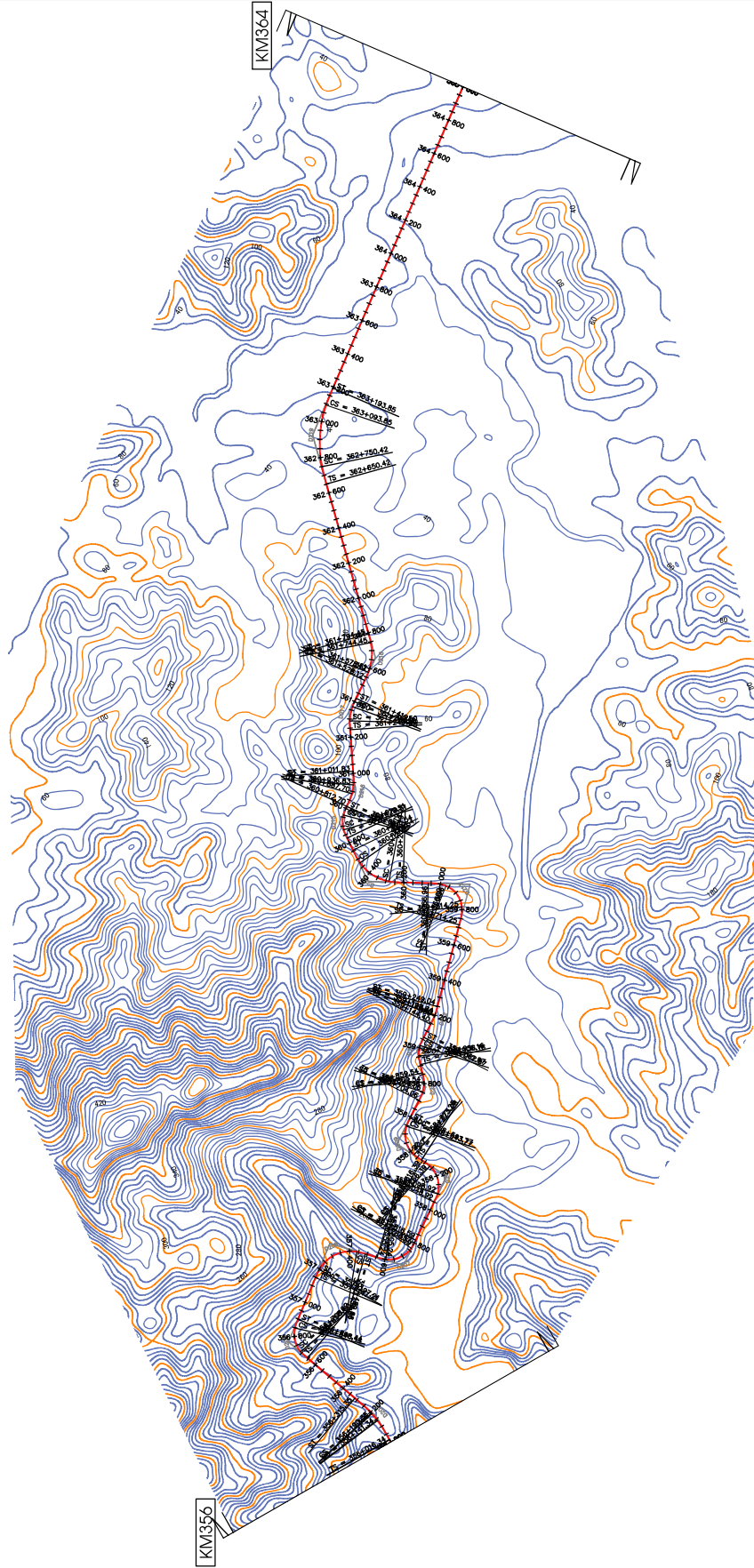
LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. CENTRAL Central Consultant Inc. PASCO Pasco Corporation		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR	SHEET CONTENTS PROFILE KM348+000- KM356+000		SCALE 1/25,000
					SECTION E-1			DATE MAR 2018
								PAGE NO. 09 / 10

HANOI

PLAN HANOI - VIENTIANE

SCALE: 1/25,000

VIENTIANE

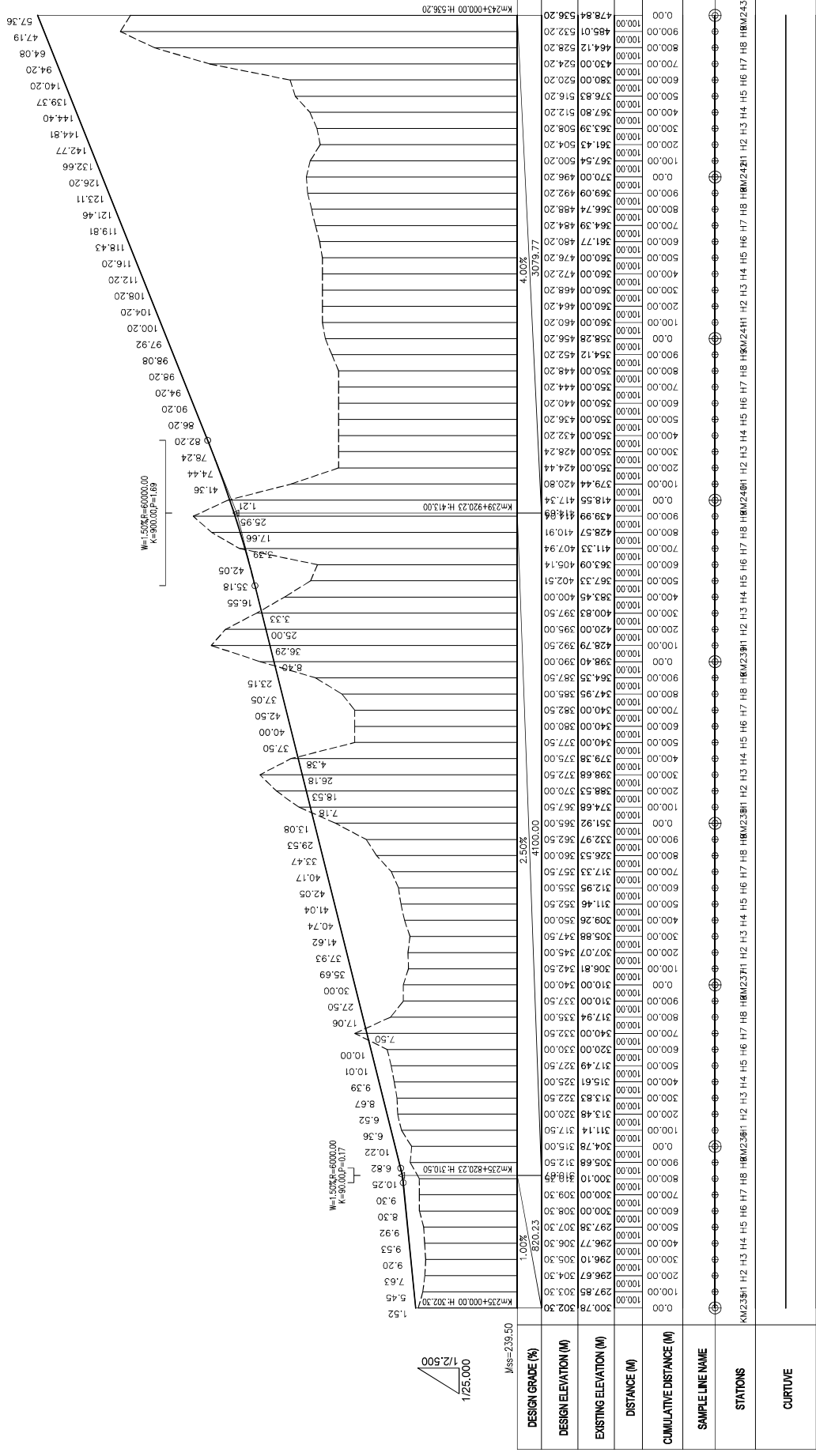


LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. YEO Central Consultant Inc. FPASCO Pasco Corporation		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR	SHEET CONTENTS	
	SECTION C-1		KM356+000 - KM364+000		PROFILE		1/25,000
				DATE		MAR 2018	
				PAGE NO.		10 / 10	

VIENTIANE

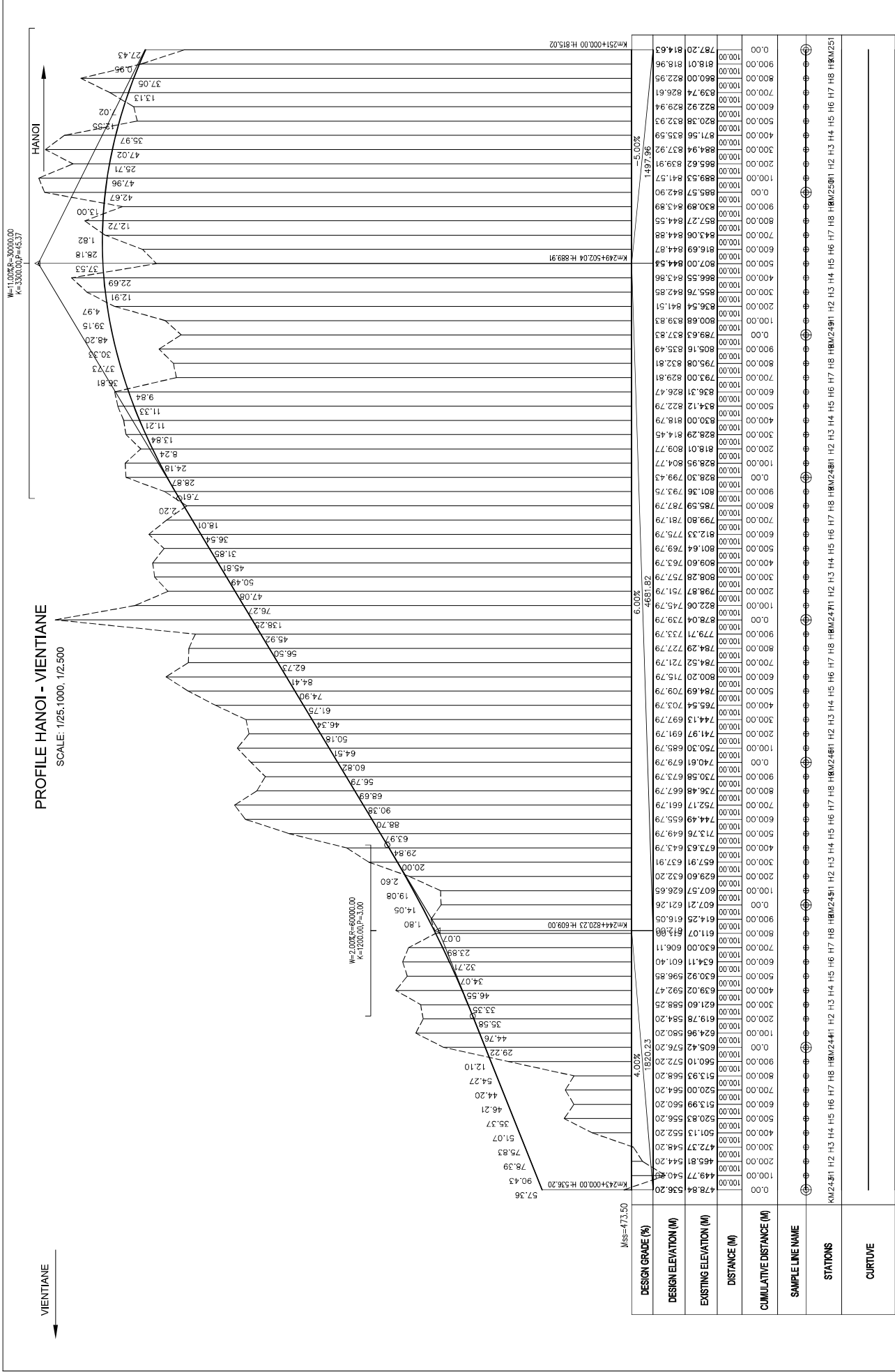
PROFILE HANOI - VIENTIANE
SCALE: 1/25,1000, 1/2,500

HANOI



DESIGN GRADE (%)	DESIGN ELEVATION (M)	EXISTING ELEVATION (M)	DISTANCE (M)	CUMULATIVE DISTANCE (M)
1.52	302.30	302.30	0.00	0.00
	300.78	303.30	100.00	100.00
	297.85	303.30	200.00	200.00
	296.67	304.30	300.00	300.00
	296.77	305.30	400.00	400.00
	297.38	307.30	500.00	500.00
	300.00	308.30	600.00	600.00
	300.00	309.30	700.00	700.00
	300.10	312.50	800.00	800.00
	305.68	312.50	900.00	900.00
	304.78	315.00	1000.00	1000.00
	311.14	317.50	1100.00	1100.00
	313.48	320.00	1200.00	1200.00
	313.83	322.50	1300.00	1300.00
	315.61	325.00	1400.00	1400.00
	317.49	327.50	1500.00	1500.00
	320.00	330.00	1600.00	1600.00
	320.00	332.50	1700.00	1700.00
	317.94	335.00	1800.00	1800.00
	310.00	337.50	1900.00	1900.00
	310.00	340.00	2000.00	2000.00
	306.81	342.50	2100.00	2100.00
	307.07	345.00	2200.00	2200.00
	305.88	347.50	2300.00	2300.00
	309.26	350.00	2400.00	2400.00
	311.46	352.50	2500.00	2500.00
	312.95	355.00	2600.00	2600.00
	317.33	357.50	2700.00	2700.00
	316.53	360.00	2800.00	2800.00
	322.97	362.50	2900.00	2900.00
	351.92	365.00	3000.00	3000.00
	374.68	367.50	3100.00	3100.00
	388.53	370.00	3200.00	3200.00
	398.68	372.50	3300.00	3300.00
	379.38	375.00	3400.00	3400.00
	340.00	377.50	3500.00	3500.00
	340.00	380.00	3600.00	3600.00
	340.00	382.50	3700.00	3700.00
	347.95	385.00	3800.00	3800.00
	364.35	387.50	3900.00	3900.00
	398.40	390.00	4000.00	4000.00
	428.79	392.50	4100.00	4100.00
	420.00	395.00	4200.00	4200.00
	400.83	397.50	4300.00	4300.00
	383.45	400.00	4400.00	4400.00
	363.09	405.14	4500.00	4500.00
	411.33	407.94	4600.00	4600.00
	428.57	410.91	4700.00	4700.00
	439.99	414.88	4800.00	4800.00
	418.55	417.34	4900.00	4900.00
	379.44	420.80	5000.00	5000.00
	350.00	424.44	5100.00	5100.00
	350.00	428.24	5200.00	5200.00
	350.00	432.20	5300.00	5300.00
	350.00	436.20	5400.00	5400.00
	360.00	440.20	5500.00	5500.00
	360.00	444.20	5600.00	5600.00
	350.00	448.20	5700.00	5700.00
	354.12	452.20	5800.00	5800.00
	358.28	456.20	5900.00	5900.00
	350.00	460.20	6000.00	6000.00
	360.00	464.20	6100.00	6100.00
	360.00	468.20	6200.00	6200.00
	360.00	472.20	6300.00	6300.00
	360.00	476.20	6400.00	6400.00
	361.77	480.20	6500.00	6500.00
	364.39	484.20	6600.00	6600.00
	366.74	488.20	6700.00	6700.00
	370.00	492.20	6800.00	6800.00
	369.09	496.20	6900.00	6900.00
	370.00	496.20	7000.00	7000.00
	367.54	500.20	7100.00	7100.00
	363.39	504.20	7200.00	7200.00
	363.39	508.20	7300.00	7300.00
	376.83	512.20	7400.00	7400.00
	367.80	516.20	7500.00	7500.00
	380.00	520.20	7600.00	7600.00
	430.00	524.20	7700.00	7700.00
	464.12	528.20	7800.00	7800.00
	478.84	532.20	7900.00	7900.00
	900.00	536.20	8000.00	8000.00

LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	SHEET CONTENTS		SCALE 1/25,000, 1/2,500
	PRE-F/S CORRIDOR SECTION C-1		
DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PROFILE KM235+000 - KM243+000	DATE MAR 2018
<p>JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. Central Consultant Inc. PASCO Pasco Corporation</p>		PAGE NO. 01 / 17	



LAO PEOPLE'S DEMOCRATIC REPUBLIC		SHEET CONTENTS		PRE-F/S CORRIDOR		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		SCALE	
SOCIALIST REPUBLIC OF VIETNAM		PROFILE		SECTION C-1		KM243+000 - KM251+000		1/25,000; 1/2,500	
		DATE		SECTION C-1		DATE		MAR 2018	
		PAGE NO.		SECTION C-1		PAGE NO.		02 / 17	

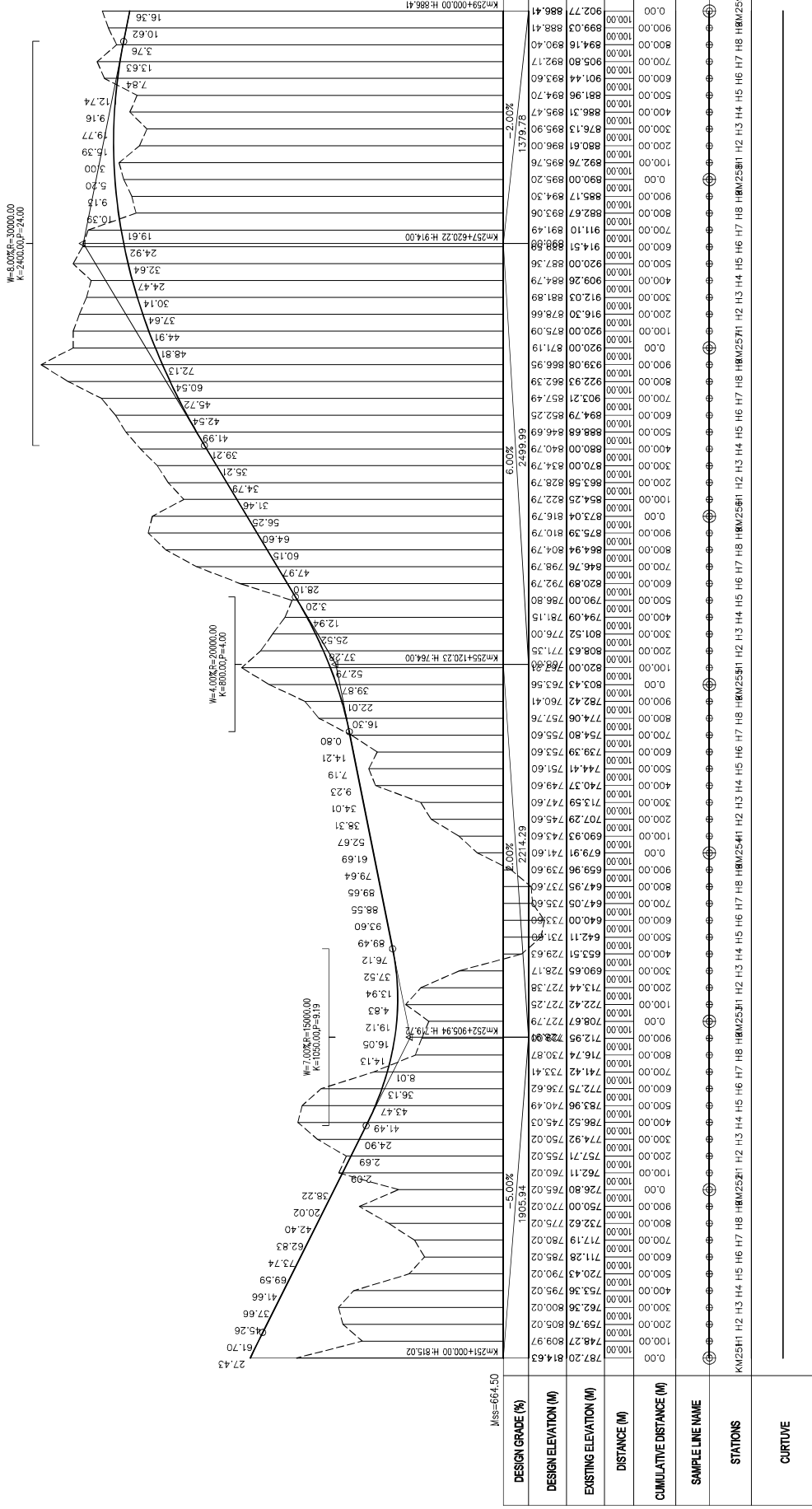
JAPAN INTERNATIONAL COOPERATION AGENCY
 Yachiyo Engineering Co., Ltd. **NIPPON KOEI** Nippon Koei Co., Ltd.
CENTRAL Central Consultant Inc. **PASCO** Pasco Corporation

VIENTIANE

PROFILE HANOI - VIENTIANE

SCALE: 1/25, 1/1000, 1/2,500

HANOI



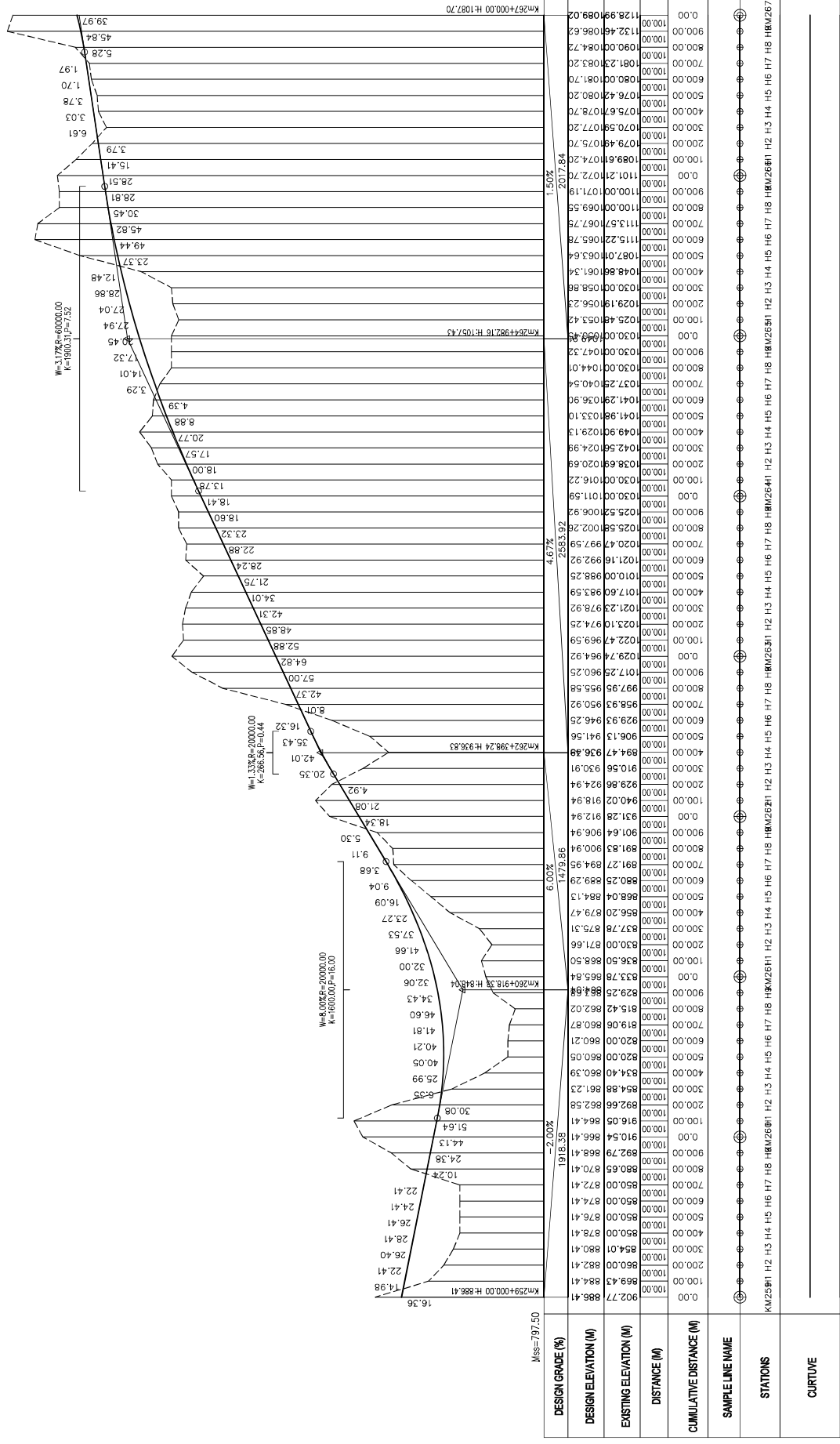
DESIGN GRADE (%)	DESIGN ELEVATION (M)	EXISTING ELEVATION (M)	DISTANCE (M)	CUMULATIVE DISTANCE (M)	SAMPLE LINE NAME	STATIONS	CURTIVE
-5.00%	787.20	748.27	0.00	0.00		KM251+000.00 H: 815.02	
	787.20	748.27	100.00	100.00			
	787.20	748.27	200.00	200.00			
	787.20	748.27	300.00	300.00			
	787.20	748.27	400.00	400.00			
	787.20	748.27	500.00	500.00			
	787.20	748.27	600.00	600.00			
	787.20	748.27	700.00	700.00			
	787.20	748.27	800.00	800.00			
	787.20	748.27	900.00	900.00			
	787.20	748.27	1000.00	1000.00			
	787.20	748.27	1100.00	1100.00			
	787.20	748.27	1200.00	1200.00			
	787.20	748.27	1300.00	1300.00			
	787.20	748.27	1400.00	1400.00			
	787.20	748.27	1500.00	1500.00			
	787.20	748.27	1600.00	1600.00			
	787.20	748.27	1700.00	1700.00			
	787.20	748.27	1800.00	1800.00			
	787.20	748.27	1900.00	1900.00			
	787.20	748.27	2000.00	2000.00			
	787.20	748.27	2100.00	2100.00			
	787.20	748.27	2200.00	2200.00			
	787.20	748.27	2300.00	2300.00			
	787.20	748.27	2400.00	2400.00			
	787.20	748.27	2500.00	2500.00			
	787.20	748.27	2600.00	2600.00			
	787.20	748.27	2700.00	2700.00			
	787.20	748.27	2800.00	2800.00			
	787.20	748.27	2900.00	2900.00			
	787.20	748.27	3000.00	3000.00			
	787.20	748.27	3100.00	3100.00			
	787.20	748.27	3200.00	3200.00			
	787.20	748.27	3300.00	3300.00			
	787.20	748.27	3400.00	3400.00			
	787.20	748.27	3500.00	3500.00			
	787.20	748.27	3600.00	3600.00			
	787.20	748.27	3700.00	3700.00			
	787.20	748.27	3800.00	3800.00			
	787.20	748.27	3900.00	3900.00			
	787.20	748.27	4000.00	4000.00			
	787.20	748.27	4100.00	4100.00			
	787.20	748.27	4200.00	4200.00			
	787.20	748.27	4300.00	4300.00			
	787.20	748.27	4400.00	4400.00			
	787.20	748.27	4500.00	4500.00			
	787.20	748.27	4600.00	4600.00			
	787.20	748.27	4700.00	4700.00			
	787.20	748.27	4800.00	4800.00			
	787.20	748.27	4900.00	4900.00			
	787.20	748.27	5000.00	5000.00			
	787.20	748.27	5100.00	5100.00			
	787.20	748.27	5200.00	5200.00			
	787.20	748.27	5300.00	5300.00			
	787.20	748.27	5400.00	5400.00			
	787.20	748.27	5500.00	5500.00			
	787.20	748.27	5600.00	5600.00			
	787.20	748.27	5700.00	5700.00			
	787.20	748.27	5800.00	5800.00			
	787.20	748.27	5900.00	5900.00			
	787.20	748.27	6000.00	6000.00			
	787.20	748.27	6100.00	6100.00			
	787.20	748.27	6200.00	6200.00			
	787.20	748.27	6300.00	6300.00			
	787.20	748.27	6400.00	6400.00			
	787.20	748.27	6500.00	6500.00			
	787.20	748.27	6600.00	6600.00			
	787.20	748.27	6700.00	6700.00			
	787.20	748.27	6800.00	6800.00			
	787.20	748.27	6900.00	6900.00			
	787.20	748.27	7000.00	7000.00			
	787.20	748.27	7100.00	7100.00			
	787.20	748.27	7200.00	7200.00			
	787.20	748.27	7300.00	7300.00			
	787.20	748.27	7400.00	7400.00			
	787.20	748.27	7500.00	7500.00			
	787.20	748.27	7600.00	7600.00			
	787.20	748.27	7700.00	7700.00			
	787.20	748.27	7800.00	7800.00			
	787.20	748.27	7900.00	7900.00			
	787.20	748.27	8000.00	8000.00			
	787.20	748.27	8100.00	8100.00			
	787.20	748.27	8200.00	8200.00			
	787.20	748.27	8300.00	8300.00			
	787.20	748.27	8400.00	8400.00			
	787.20	748.27	8500.00	8500.00			
	787.20	748.27	8600.00	8600.00			
	787.20	748.27	8700.00	8700.00			
	787.20	748.27	8800.00	8800.00			
	787.20	748.27	8900.00	8900.00			
	787.20	748.27	9000.00	9000.00			
	787.20	748.27	9100.00	9100.00			
	787.20	748.27	9200.00	9200.00			
	787.20	748.27	9300.00	9300.00			
	787.20	748.27	9400.00	9400.00			
	787.20	748.27	9500.00	9500.00			
	787.20	748.27	9600.00	9600.00			
	787.20	748.27	9700.00	9700.00			
	787.20	748.27	9800.00	9800.00			
	787.20	748.27	9900.00	9900.00			
	787.20	748.27	10000.00	10000.00			

LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR SECTION C-1		SHEET CONTENTS PROFILE KM251+000 - KM259+000		SCALE 1/25,000, 1/2,500
	Y30 CEVTRAL Central Consultant Inc. FPASCO Pasco Corporation								DATE MAR 2018
									PAGE NO. 03 / 17

VIENTIANE

PROFILE HANOI - VIENTIANE
SCALE: 1/25,1000, 1/2,500

HANOI



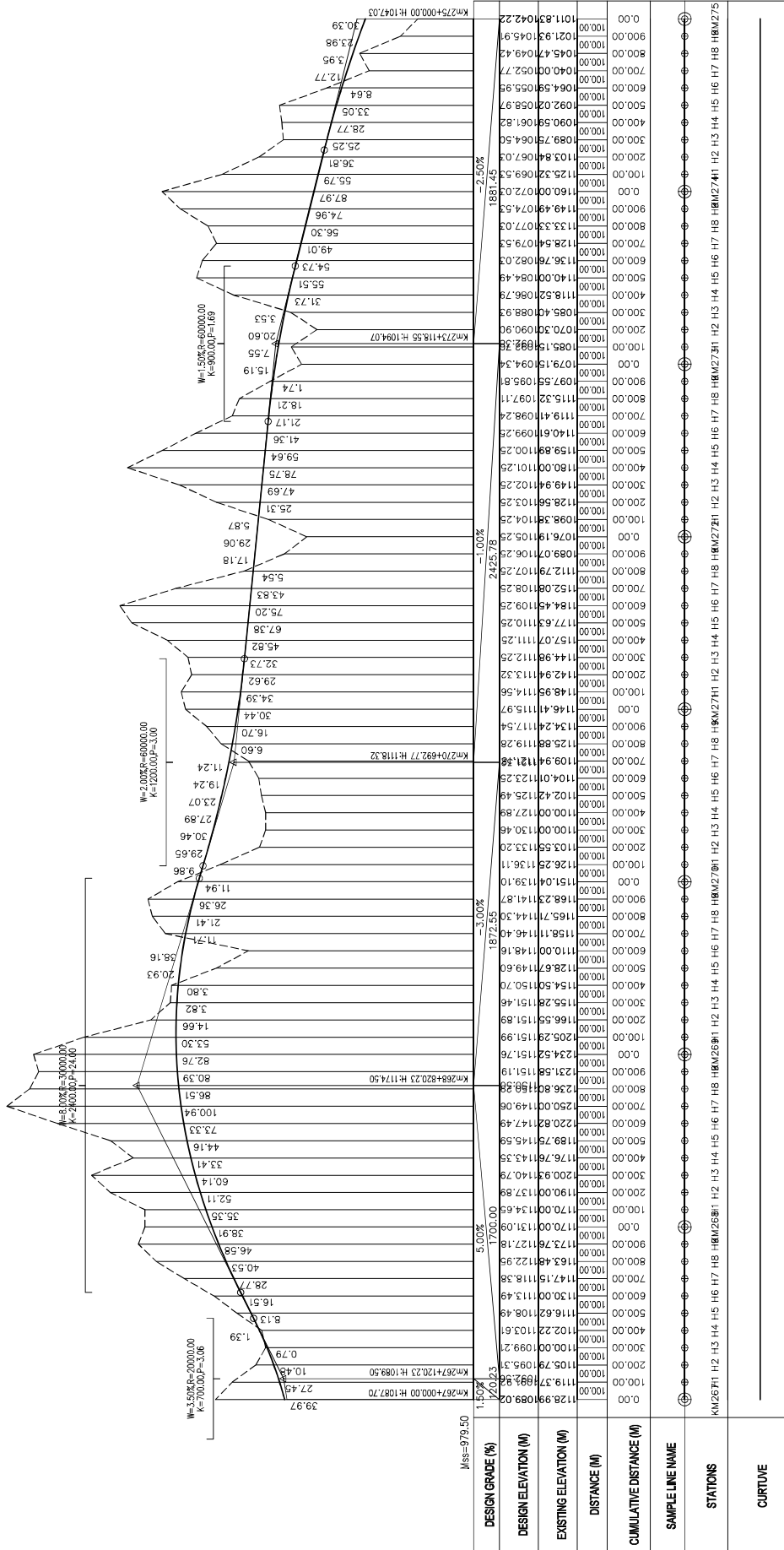
DESIGN GRADE (%)	DESIGN ELEVATION (M)	EXISTING ELEVATION (M)	DISTANCE (M)	CUMULATIVE DISTANCE (M)
-2.00%	886.41	886.41	0.00	0.00
1.50%	886.41	886.41	100.00	100.00
1.50%	886.41	886.41	200.00	200.00
1.50%	886.41	886.41	300.00	300.00
1.50%	886.41	886.41	400.00	400.00
1.50%	886.41	886.41	500.00	500.00
1.50%	886.41	886.41	600.00	600.00
1.50%	886.41	886.41	700.00	700.00
1.50%	886.41	886.41	800.00	800.00
1.50%	886.41	886.41	900.00	900.00
1.50%	886.41	886.41	1000.00	1000.00
1.50%	886.41	886.41	1100.00	1100.00
1.50%	886.41	886.41	1200.00	1200.00
1.50%	886.41	886.41	1300.00	1300.00
1.50%	886.41	886.41	1400.00	1400.00
1.50%	886.41	886.41	1500.00	1500.00
1.50%	886.41	886.41	1600.00	1600.00
1.50%	886.41	886.41	1700.00	1700.00
1.50%	886.41	886.41	1800.00	1800.00
1.50%	886.41	886.41	1900.00	1900.00
1.50%	886.41	886.41	2000.00	2000.00
1.50%	886.41	886.41	2100.00	2100.00
1.50%	886.41	886.41	2200.00	2200.00
1.50%	886.41	886.41	2300.00	2300.00
1.50%	886.41	886.41	2400.00	2400.00
1.50%	886.41	886.41	2500.00	2500.00
1.50%	886.41	886.41	2600.00	2600.00
1.50%	886.41	886.41	2700.00	2700.00
1.50%	886.41	886.41	2800.00	2800.00
1.50%	886.41	886.41	2900.00	2900.00
1.50%	886.41	886.41	3000.00	3000.00
1.50%	886.41	886.41	3100.00	3100.00
1.50%	886.41	886.41	3200.00	3200.00
1.50%	886.41	886.41	3300.00	3300.00
1.50%	886.41	886.41	3400.00	3400.00
1.50%	886.41	886.41	3500.00	3500.00
1.50%	886.41	886.41	3600.00	3600.00
1.50%	886.41	886.41	3700.00	3700.00
1.50%	886.41	886.41	3800.00	3800.00
1.50%	886.41	886.41	3900.00	3900.00
1.50%	886.41	886.41	4000.00	4000.00
1.50%	886.41	886.41	4100.00	4100.00
1.50%	886.41	886.41	4200.00	4200.00
1.50%	886.41	886.41	4300.00	4300.00
1.50%	886.41	886.41	4400.00	4400.00
1.50%	886.41	886.41	4500.00	4500.00
1.50%	886.41	886.41	4600.00	4600.00
1.50%	886.41	886.41	4700.00	4700.00
1.50%	886.41	886.41	4800.00	4800.00
1.50%	886.41	886.41	4900.00	4900.00
1.50%	886.41	886.41	5000.00	5000.00
1.50%	886.41	886.41	5100.00	5100.00
1.50%	886.41	886.41	5200.00	5200.00
1.50%	886.41	886.41	5300.00	5300.00
1.50%	886.41	886.41	5400.00	5400.00
1.50%	886.41	886.41	5500.00	5500.00
1.50%	886.41	886.41	5600.00	5600.00
1.50%	886.41	886.41	5700.00	5700.00
1.50%	886.41	886.41	5800.00	5800.00
1.50%	886.41	886.41	5900.00	5900.00
1.50%	886.41	886.41	6000.00	6000.00
1.50%	886.41	886.41	6100.00	6100.00
1.50%	886.41	886.41	6200.00	6200.00
1.50%	886.41	886.41	6300.00	6300.00
1.50%	886.41	886.41	6400.00	6400.00
1.50%	886.41	886.41	6500.00	6500.00
1.50%	886.41	886.41	6600.00	6600.00
1.50%	886.41	886.41	6700.00	6700.00
1.50%	886.41	886.41	6800.00	6800.00
1.50%	886.41	886.41	6900.00	6900.00
1.50%	886.41	886.41	7000.00	7000.00
1.50%	886.41	886.41	7100.00	7100.00
1.50%	886.41	886.41	7200.00	7200.00
1.50%	886.41	886.41	7300.00	7300.00
1.50%	886.41	886.41	7400.00	7400.00
1.50%	886.41	886.41	7500.00	7500.00
1.50%	886.41	886.41	7600.00	7600.00
1.50%	886.41	886.41	7700.00	7700.00
1.50%	886.41	886.41	7800.00	7800.00
1.50%	886.41	886.41	7900.00	7900.00
1.50%	886.41	886.41	8000.00	8000.00
1.50%	886.41	886.41	8100.00	8100.00
1.50%	886.41	886.41	8200.00	8200.00
1.50%	886.41	886.41	8300.00	8300.00
1.50%	886.41	886.41	8400.00	8400.00
1.50%	886.41	886.41	8500.00	8500.00
1.50%	886.41	886.41	8600.00	8600.00
1.50%	886.41	886.41	8700.00	8700.00
1.50%	886.41	886.41	8800.00	8800.00
1.50%	886.41	886.41	8900.00	8900.00
1.50%	886.41	886.41	9000.00	9000.00
1.50%	886.41	886.41	9100.00	9100.00
1.50%	886.41	886.41	9200.00	9200.00
1.50%	886.41	886.41	9300.00	9300.00
1.50%	886.41	886.41	9400.00	9400.00
1.50%	886.41	886.41	9500.00	9500.00
1.50%	886.41	886.41	9600.00	9600.00
1.50%	886.41	886.41	9700.00	9700.00
1.50%	886.41	886.41	9800.00	9800.00
1.50%	886.41	886.41	9900.00	9900.00
1.50%	886.41	886.41	10000.00	10000.00
1.50%	886.41	886.41	10100.00	10100.00
1.50%	886.41	886.41	10200.00	10200.00
1.50%	886.41	886.41	10300.00	10300.00
1.50%	886.41	886.41	10400.00	10400.00
1.50%	886.41	886.41	10500.00	10500.00
1.50%	886.41	886.41	10600.00	10600.00
1.50%	886.41	886.41	10700.00	10700.00
1.50%	886.41	886.41	10800.00	10800.00
1.50%	886.41	886.41	10900.00	10900.00
1.50%	886.41	886.41	11000.00	11000.00
1.50%	886.41	886.41	11100.00	11100.00
1.50%	886.41	886.41	11200.00	11200.00
1.50%	886.41	886.41	11300.00	11300.00
1.50%	886.41	886.41	11400.00	11400.00
1.50%	886.41	886.41	11500.00	11500.00
1.50%	886.41	886.41	11600.00	11600.00
1.50%	886.41	886.41	11700.00	11700.00
1.50%	886.41	886.41	11800.00	11800.00
1.50%	886.41	886.41	11900.00	11900.00
1.50%	886.41	886.41	12000.00	12000.00
1.50%	886.41	886.41	12100.00	12100.00
1.50%	886.41	886.41	12200.00	12200.00
1.50%	886.41	886.41	12300.00	12300.00
1.50%	886.41	886.41	12400.00	12400.00
1.50%	886.41	886.41	12500.00	12500.00

LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	SHEET CONTENTS		SCALE 1/25,000, 1/2,500
	PRE-F/S CORRIDOR	PROFILE KM259+000 - KM267+000	
DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		SECTION C-1, C-2	DATE MAR 2018
JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		PAGE NO. 04 / 17	
CENTRAL Central Consultant Inc. PASCO Pasco Corporation			

VIENTIANE

PROFILE HANOI - VIENTIANE
SCALE: 1/25,1000, 1/2,500

HANOI



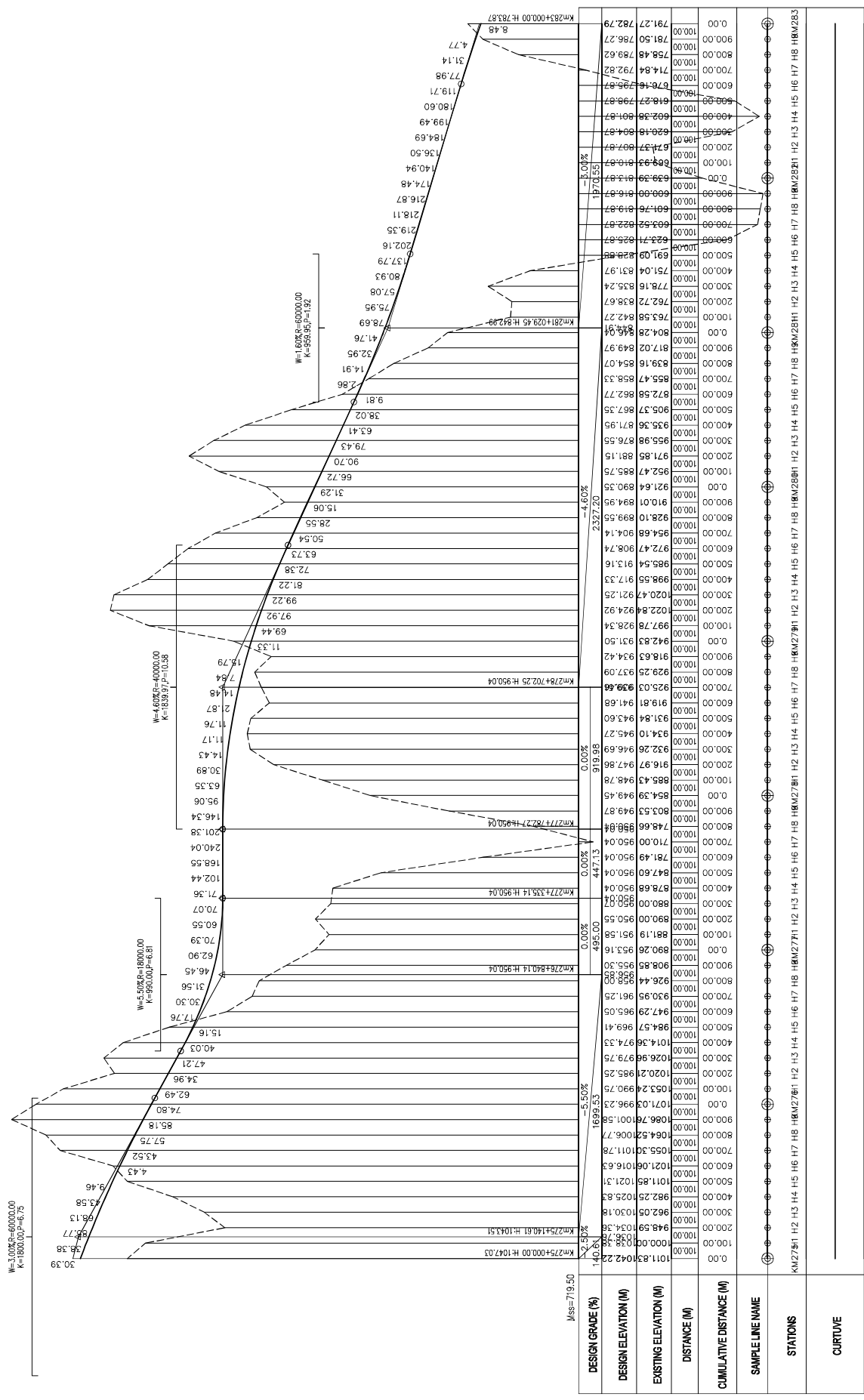
LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR SECTION C-2		SHEET CONTENTS PROFILE KM267+000 - KM275+000		SCALE 1/25,000, 1/2,500
	CENTRAL Central Consultant Inc. CPASCO Pasco Corporation								DATE MAR 2018
									PAGE NO. 05 / 17

VIENTIANE

PROFILE HANOI - VIENTIANE

SCALE: 1/25, 1/1000, 1/2,500

HANOI



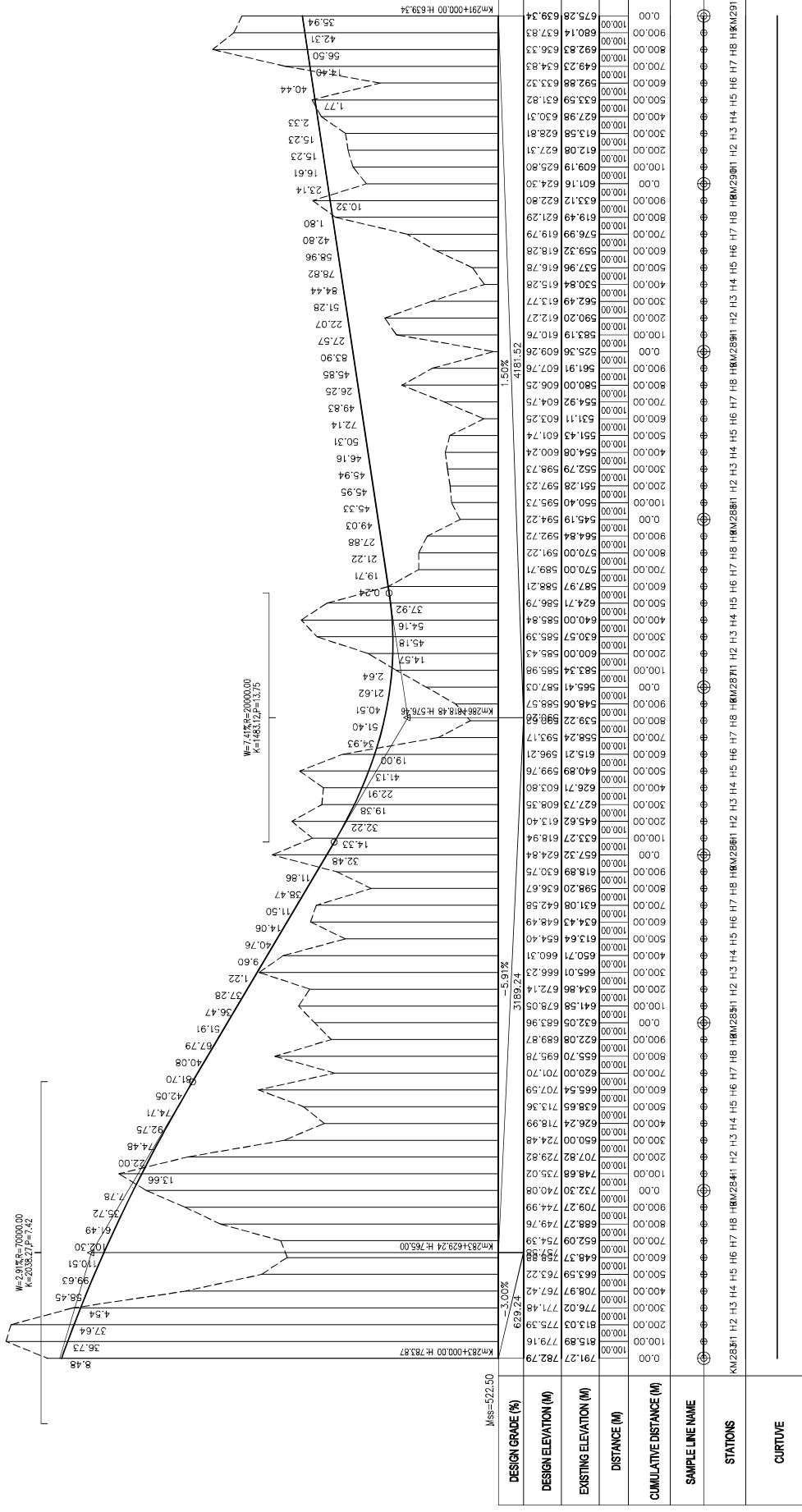
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SOCIALIST REPUBLIC OF VIETNAM		PROFILE		SECTION C-2		ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.	
		1/25,000, 1/2,500		KM275+000 - KM283+000		DATE		YCPA Central Consultant Inc. PASCO Pasco Corporation	
		MAR 2018				PAGE NO.		06 / 17	

VIENTIANE

PROFILE HANOI - VIENTIANE

SCALE: 1/25,1000, 1/2,500

HANOI

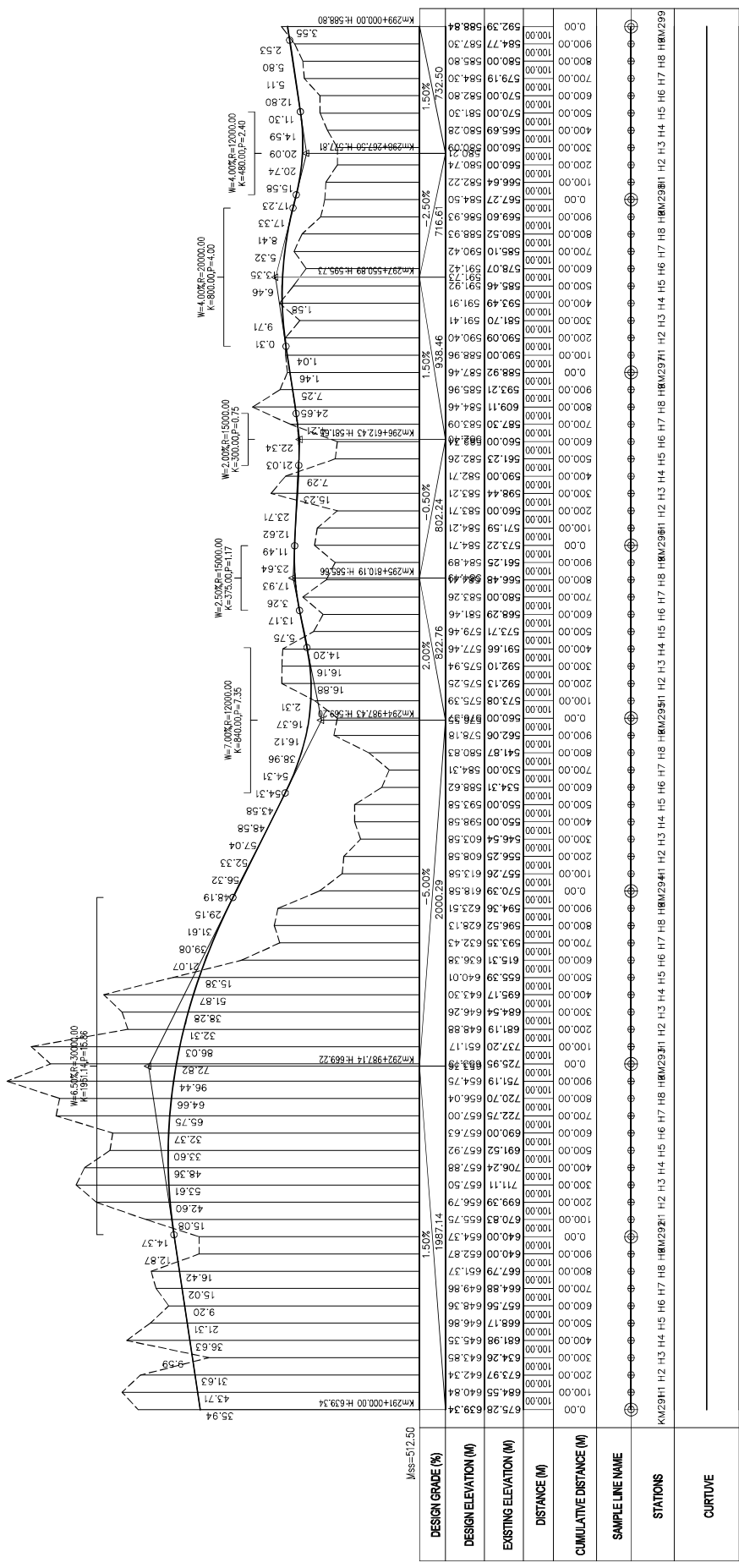


DESIGN GRADE (%)	DESIGN ELEVATION (M)	EXISTING ELEVATION (M)	DISTANCE (M)	CUMULATIVE DISTANCE (M)
3.000%	782.79	791.27	0.00	0.00
	782.79	779.16	100.00	100.00
	782.79	775.39	200.00	200.00
	782.79	771.48	300.00	300.00
	782.79	767.42	400.00	400.00
	782.79	763.22	500.00	500.00
	782.79	758.88	600.00	600.00
	782.79	754.39	700.00	700.00
	782.79	749.76	800.00	800.00
	782.79	744.99	900.00	900.00
	782.79	739.99	1000.00	1000.00
	782.79	734.72	1100.00	1100.00
	782.79	729.22	1200.00	1200.00
	782.79	723.50	1300.00	1300.00
	782.79	717.57	1400.00	1400.00
	782.79	711.43	1500.00	1500.00
	782.79	705.08	1600.00	1600.00
	782.79	698.54	1700.00	1700.00
	782.79	691.81	1800.00	1800.00
	782.79	684.89	1900.00	1900.00
	782.79	677.77	2000.00	2000.00
	782.79	670.46	2100.00	2100.00
	782.79	662.96	2200.00	2200.00
	782.79	655.28	2300.00	2300.00
	782.79	647.42	2400.00	2400.00
	782.79	639.28	2500.00	2500.00
	782.79	630.87	2600.00	2600.00
	782.79	622.20	2700.00	2700.00
	782.79	613.28	2800.00	2800.00
	782.79	604.03	2900.00	2900.00
	782.79	594.55	3000.00	3000.00
	782.79	584.84	3100.00	3100.00
	782.79	574.91	3200.00	3200.00
	782.79	564.76	3300.00	3300.00
	782.79	554.39	3400.00	3400.00
	782.79	543.80	3500.00	3500.00
	782.79	532.98	3600.00	3600.00
	782.79	521.93	3700.00	3700.00
	782.79	510.65	3800.00	3800.00
	782.79	499.14	3900.00	3900.00
	782.79	487.40	4000.00	4000.00
	782.79	475.43	4100.00	4100.00
	782.79	463.22	4200.00	4200.00
	782.79	450.77	4300.00	4300.00
	782.79	438.08	4400.00	4400.00
	782.79	425.15	4500.00	4500.00
	782.79	411.98	4600.00	4600.00
	782.79	398.57	4700.00	4700.00
	782.79	384.92	4800.00	4800.00
	782.79	371.03	4900.00	4900.00
	782.79	356.90	5000.00	5000.00
	782.79	342.53	5100.00	5100.00
	782.79	327.92	5200.00	5200.00
	782.79	313.07	5300.00	5300.00
	782.79	297.98	5400.00	5400.00
	782.79	282.65	5500.00	5500.00
	782.79	267.08	5600.00	5600.00
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	782.79	235.22	5800.00	5800.00
	782.79	218.93	5900.00	5900.00
	782.79	202.40	6000.00	6000.00
	782.79	185.63	6100.00	6100.00
	782.79	168.63	6200.00	6200.00
	782.79	151.40	6300.00	6300.00
	782.79	133.93	6400.00	6400.00
	782.79	116.22	6500.00	6500.00
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	782.79	80.08	6700.00	6700.00
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	782.79	42.98	6900.00	6900.00
	782.79	24.07	7000.00	7000.00
	782.79	4.92	7100.00	7100.00
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	782.79	-33.66	7300.00	7300.00
	782.79	-53.57	7400.00	7400.00
	782.79	-74.18	7500.00	7500.00
	782.79	-95.59	7600.00	7600.00
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	782.79	-140.81	7800.00	7800.00
	782.79	-164.62	7900.00	7900.00
	782.79	-189.23	8000.00	8000.00
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	782.79	-267.86	8300.00	8300.00
	782.79	-295.67	8400.00	8400.00
	782.79	-324.28	8500.00	8500.00
	782.79	-353.69	8600.00	8600.00
	782.79	-383.90	8700.00	8700.00
	782.79	-414.91	8800.00	8800.00
	782.79	-446.72	8900.00	8900.00
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	782.79	-512.74	9100.00	9100.00
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	782.79	-1016.27	10400.00	10400.00
	782.79	-1059.98	10500.00	10500.00
	782.79	-1104.39	10600.00	10600.00
	782.79	-1149.50	10700.00	10700.00
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	782.79	-1289.03	11000.00	11000.00
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	782.79	-1854.54	12100.00	12100.00
	782.79	-1910.15	12200.00	12200.00
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	782.79	-2081.18	12500.00	12500.00
	782.79	-2139.59	12600.00	12600.00
	782.79	-2198.70	12700.00	12700.00
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	782.79	-2380.23	13000.00	13000.00
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	782.79	-2504.75	13200.00	13200.00
	782.79	-2568.06	13300.00	13300.00
	782.79	-2632.07	13400.00	13400.00
	782.79	-2696.78	13500.00	13500.00
	782.79	-2762.19	13600.00	13600.00
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	782.79	-3033.23	14000.00	14000.00
	782.79	-3103.74	14100.00	14100.00
	782.79	-3174.85	14200.00	14200.00
	782.79	-3246.56	14300.00	14300.00
	782.79	-3318.87	14400.00	14400.00
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	782.79	-3996.66	15300.00	15300.00
	782.79	-4074.97	15400.00	15400.00
	782.79	-4153.88	15500.00	15500.00
	782.79	-4233.39	15600.00	15600.00
	782.79	-4313.50	15700.00	15700.00
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	782.79	-4639.94	16100.00	16100.00
	782.79	-4723.05	16200.00	16200.00
	782.79	-4806.76	16300.00	16300.00
	782.79	-4891.07	16400.00	16400.00
	782.79	-4975.98	16500.00	16500.00
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	782.79	-5409.53	17000.00	17000.00
	782.79	-5498.04	17100.00	17100.00
	782.79	-5587.15	17200.00	17200.00
	782.79	-5676.86	17300.00	17300.00
	782.79	-5767.17	17400.00	17400.00
	782.79	-5858.08	17500.00	17500.00
	782.79	-5949.59	17600.00	17600.00
	782.79	-6041.70	17700.00	17700.00
	782.79	-6134.41	17800.00	17800.00
	782.79	-6227.72	17900.00	17900.00
	782.79	-6321.63	18000.00	18000.00
	782.79	-6416.14	18100.00	18100.00
	782.79	-6511.25	18200.00	18200.00
	782.79	-6606.96	18300.00	18300.00
	782.79	-6703.27	18400.00	18400.00
	782.79	-6800.18	18500.00	18500.00
	782.79	-6897.69	18600.00	18600.00
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VIENTIANE

PROFILE HANOI - VIENTIANE
SCALE: 1/25,1000, 1/2,500

HANOI



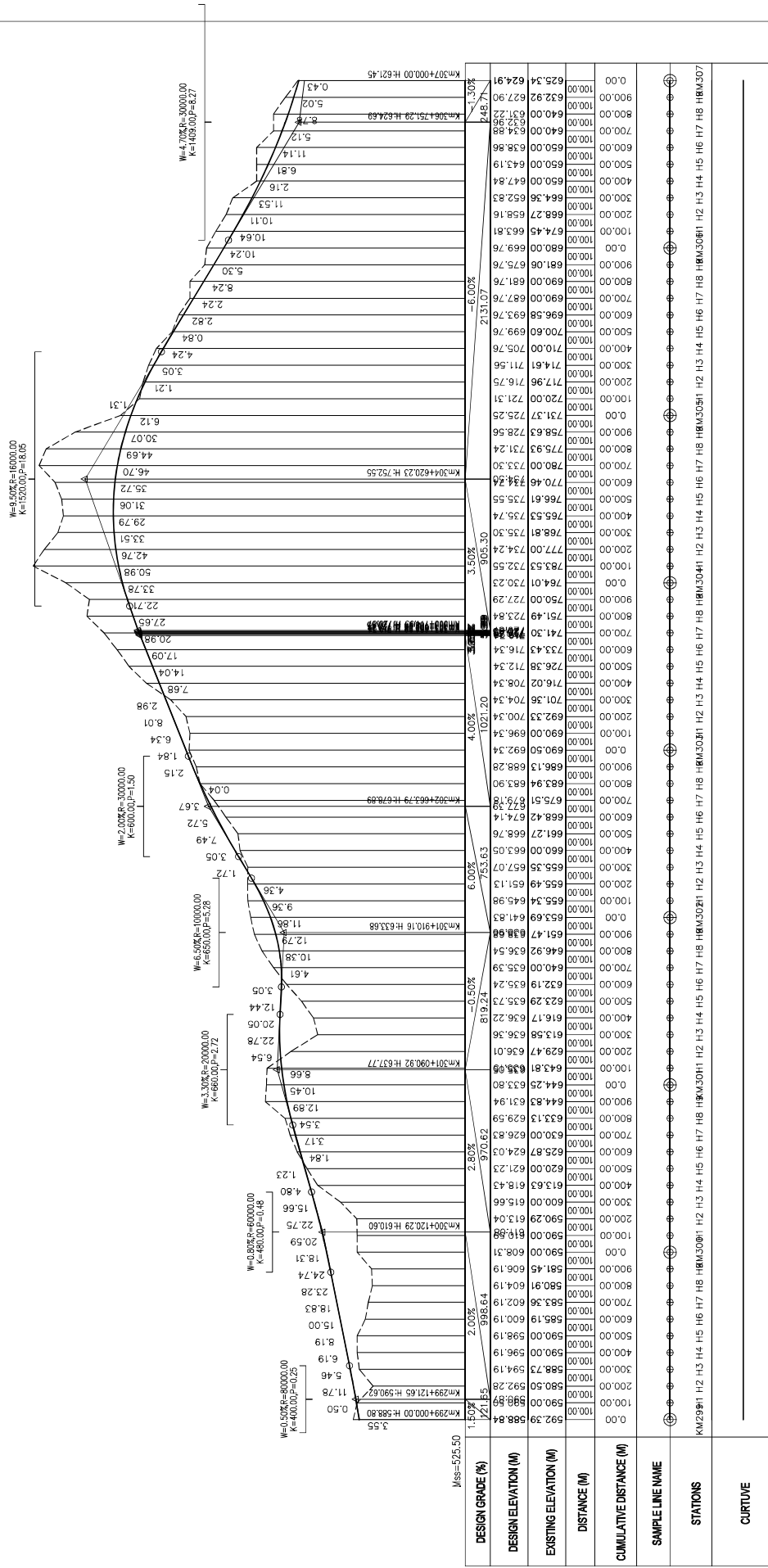
LAO PEOPLE'S DEMOCRATIC REPUBLIC	SHEET CONTENTS		SCALE 1/25,000, 1/2,500
	PRE-F/S CORRIDOR		
SOCIALIST REPUBLIC OF VIETNAM	DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		DATE MAR 2018
	SECTION C-3		
PROFILE KM291+000 - KM299+000		1/25,000, 1/2,500	PAGE NO. 08 / 17

VIENTIANE

PROFILE HANOI - VIENTIANE

SCALE: 1/25,1000, 1/2,500

HANOI



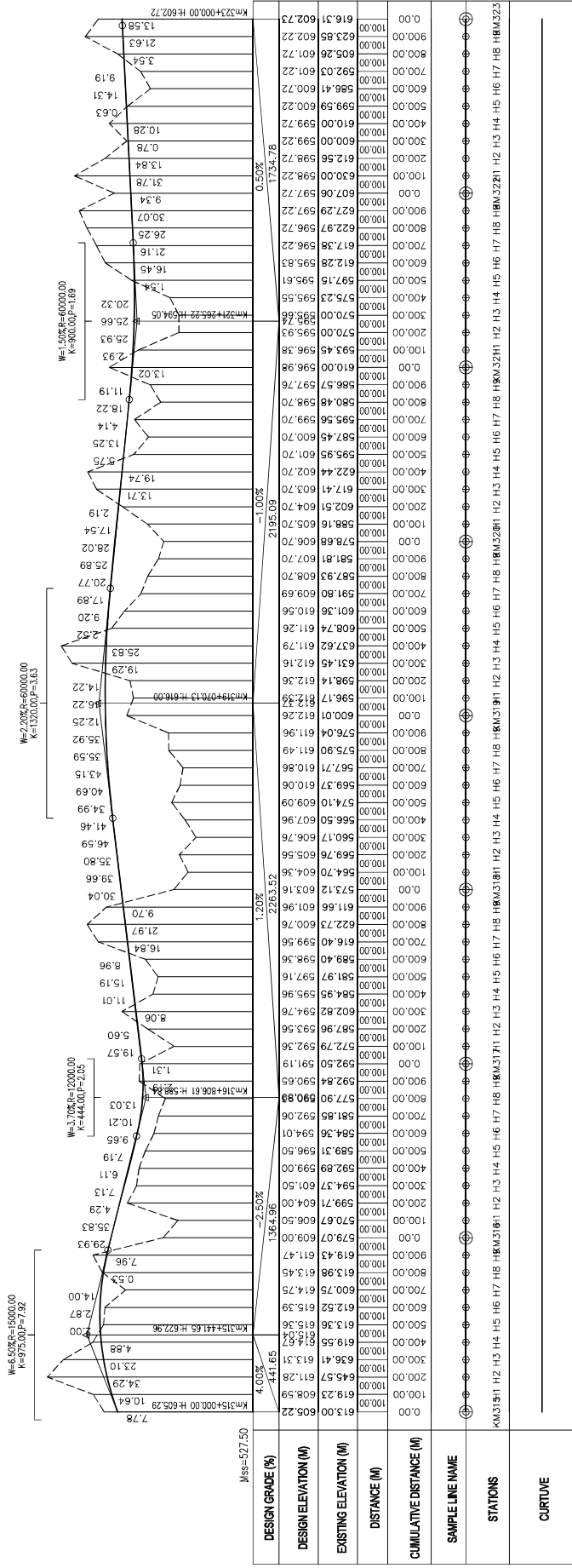
LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. PASCO Central Consultant Inc.		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR SECTION C-3		SHEET CONTENTS PROFILE KM299+000 - KM307+000		SCALE 1/25,000, 1/2,500
	MAR 2018		DATE		PAGE NO.		09 / 17		

VIENTIANE

HANOI

PROFILE HANOI - VIENTIANE

SCALE: 1/25, 1/1000, 1/2,500

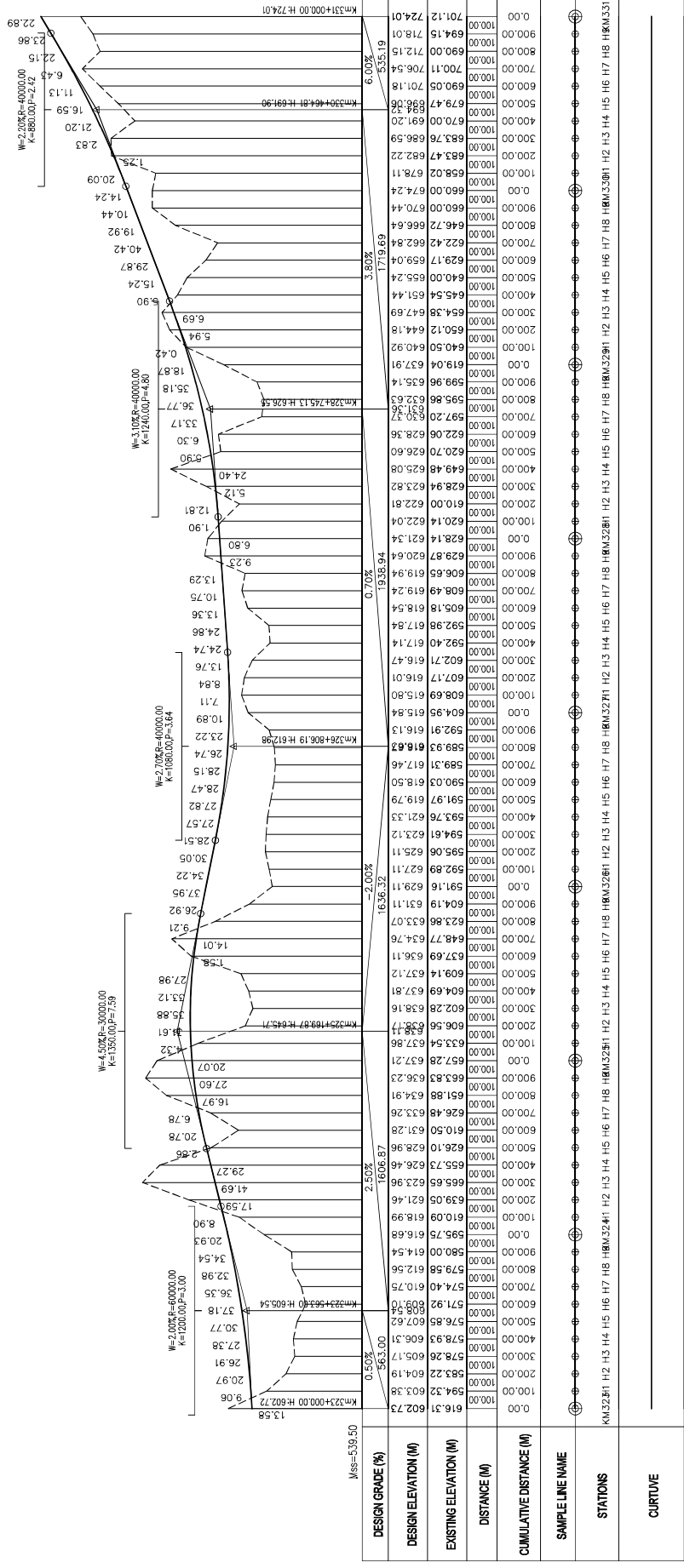


LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR		SHEET CONTENTS	
	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		SECTION D-1		PROFILE KM315+000 - KM323+000	
	CENTRAL Central Consultant Inc. FPASCO Pasco Corporation				SCALE	1/25,000, 1/2,500
					DATE	MAR 2018
					PAGE NO.	11 / 17

VIENTIANE

PROFILE HANOI - VIENTIANE
SCALE: 1/25, 1/1000, 1/2,500

HANOI



DESIGN GRADE (%)	DESIGN ELEVATION (M)	EXISTING ELEVATION (M)	DISTANCE (M)	CUMULATIVE DISTANCE (M)	SAMPLE LINE NAME	STATIONS	CURTIVE
0.50%	563.00	602.73	100.00	100.00		100.00	
2.50%	1606.87	602.73	100.00	200.00		200.00	
0.70%	1935.94	602.73	100.00	300.00		300.00	
3.80%	1719.69	602.73	100.00	400.00		400.00	
6.00%	535.19	602.73	100.00	500.00		500.00	
		602.73	100.00	600.00		600.00	
		602.73	100.00	700.00		700.00	
		602.73	100.00	800.00		800.00	
		602.73	100.00	900.00		900.00	
		602.73	100.00	1000.00		1000.00	

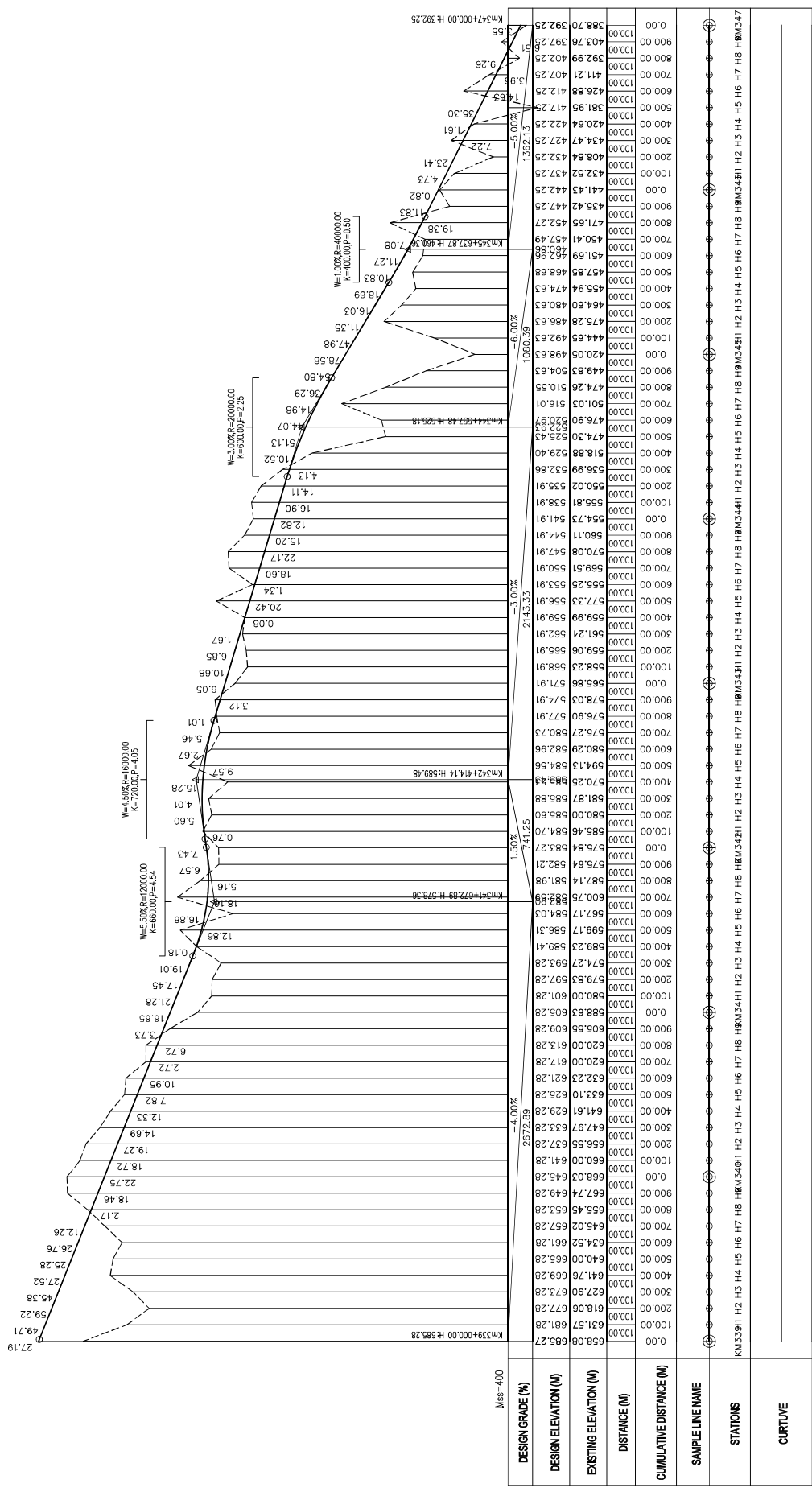
LAO PEOPLE'S DEMOCRATIC REPUBLIC	SHEET CONTENTS		SCALE 1/25,000; 1/2,500
	PRE-F/S CORRIDOR		
SOCIALIST REPUBLIC OF VIETNAM	PROFILE		DATE MAR 2018
	SECTION D-1		PAGE NO. 12 / 17
DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA			
JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		PASCO Central Consultant Inc. PASCO Pasco Corporation	

VIENTIANE

PROFILE HANOI - VIENTIANE

SCALE: 1/25, 1/1000, 1/2,500

HANOI

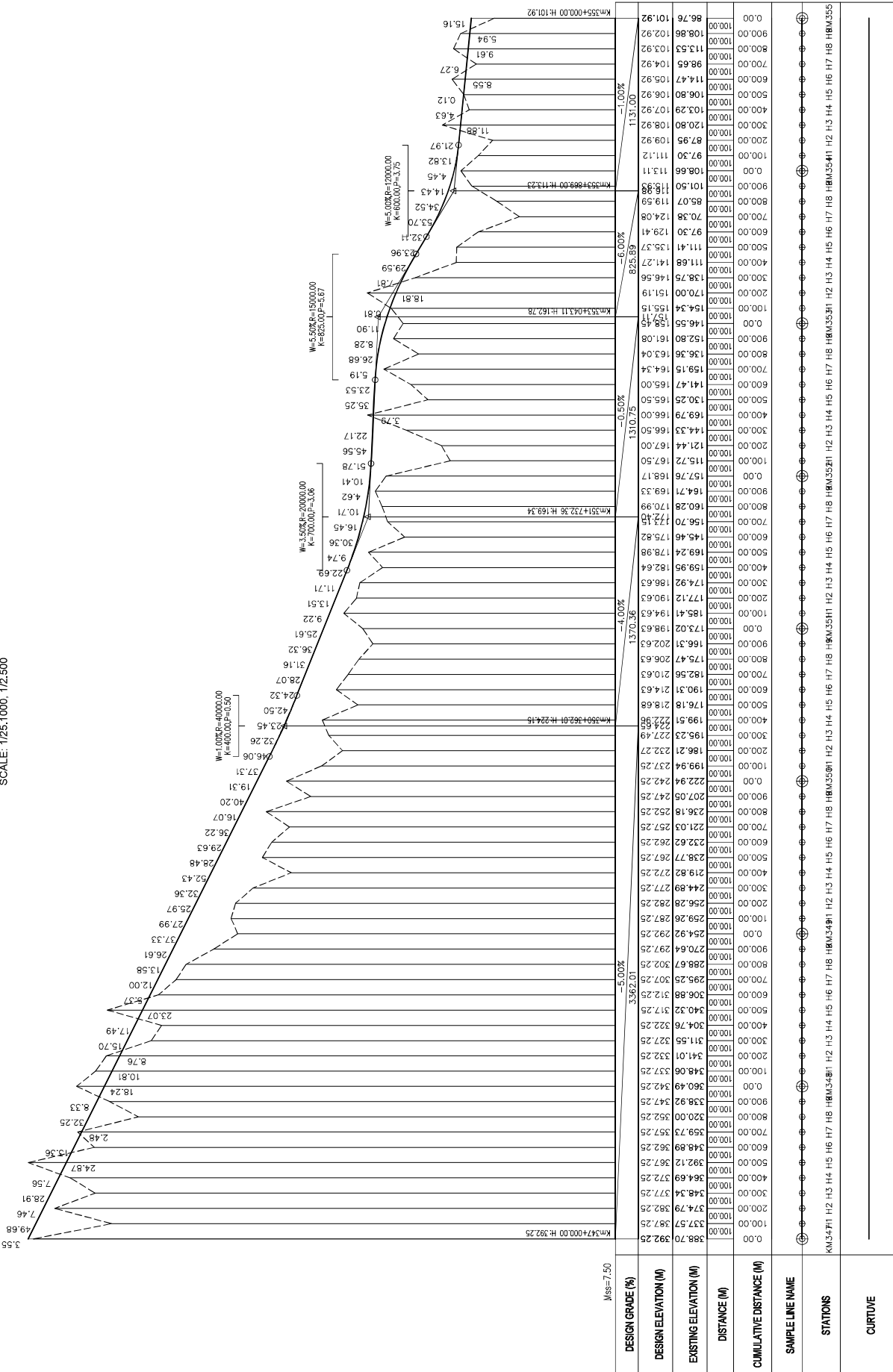


LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	SHEET CONTENTS		SCALE 1/25,000, 1/2,500
	PRE-F/S CORRIDOR PROFILE KM339+000 - KM347+000		
DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		DATE MAR 2018	PAGE NO. 14 / 17
JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. CENTRAL Central Consultant Inc. PASCO Pasco Corporation			

PROFILE HANOI - VIENTIANE
SCALE: 1/25,1000, 1/2,500

HANOI

VIENTIANE



M=8=7.50

DESIGN GRADE (%)	DESIGN ELEVATION (M)	EXISTING ELEVATION (M)	DISTANCE (M)	CUMULATIVE DISTANCE (M)
-5.00%	392.25	388.70	0.00	0.00
-5.00%	387.25	377.25	100.00	100.00
-5.00%	382.25	372.25	200.00	200.00
-5.00%	377.25	367.25	300.00	300.00
-5.00%	372.25	362.25	400.00	400.00
-5.00%	367.25	357.25	500.00	500.00
-5.00%	362.25	352.25	600.00	600.00
-5.00%	357.25	347.25	700.00	700.00
-5.00%	352.25	342.25	800.00	800.00
-5.00%	347.25	337.25	900.00	900.00
-5.00%	342.25	332.25	1000.00	1000.00
-5.00%	337.25	327.25	1100.00	1100.00
-5.00%	332.25	322.25	1200.00	1200.00
-5.00%	327.25	317.25	1300.00	1300.00
-5.00%	322.25	312.25	1400.00	1400.00
-5.00%	317.25	307.25	1500.00	1500.00
-5.00%	312.25	302.25	1600.00	1600.00
-5.00%	307.25	297.25	1700.00	1700.00
-5.00%	302.25	292.25	1800.00	1800.00
-5.00%	297.25	287.25	1900.00	1900.00
-5.00%	292.25	282.25	2000.00	2000.00
-5.00%	287.25	277.25	2100.00	2100.00
-5.00%	282.25	272.25	2200.00	2200.00
-5.00%	277.25	267.25	2300.00	2300.00
-5.00%	272.25	262.25	2400.00	2400.00
-5.00%	267.25	257.25	2500.00	2500.00
-5.00%	262.25	252.25	2600.00	2600.00
-5.00%	257.25	247.25	2700.00	2700.00
-5.00%	252.25	242.25	2800.00	2800.00
-5.00%	247.25	237.25	2900.00	2900.00
-5.00%	242.25	232.25	3000.00	3000.00
-5.00%	237.25	227.25	3100.00	3100.00
-5.00%	232.25	222.25	3200.00	3200.00
-5.00%	227.25	217.25	3300.00	3300.00
-5.00%	222.25	212.25	3400.00	3400.00
-5.00%	217.25	207.25	3500.00	3500.00
-5.00%	212.25	202.25	3600.00	3600.00
-5.00%	207.25	197.25	3700.00	3700.00
-5.00%	202.25	192.25	3800.00	3800.00
-5.00%	197.25	187.25	3900.00	3900.00
-5.00%	192.25	182.25	4000.00	4000.00
-5.00%	187.25	177.25	4100.00	4100.00
-5.00%	182.25	172.25	4200.00	4200.00
-5.00%	177.25	167.25	4300.00	4300.00
-5.00%	172.25	162.25	4400.00	4400.00
-5.00%	167.25	157.25	4500.00	4500.00
-5.00%	162.25	152.25	4600.00	4600.00
-5.00%	157.25	147.25	4700.00	4700.00
-5.00%	152.25	142.25	4800.00	4800.00
-5.00%	147.25	137.25	4900.00	4900.00
-5.00%	142.25	132.25	5000.00	5000.00
-5.00%	137.25	127.25	5100.00	5100.00
-5.00%	132.25	122.25	5200.00	5200.00
-5.00%	127.25	117.25	5300.00	5300.00
-5.00%	122.25	112.25	5400.00	5400.00
-5.00%	117.25	107.25	5500.00	5500.00
-5.00%	112.25	102.25	5600.00	5600.00
-5.00%	107.25	97.25	5700.00	5700.00
-5.00%	102.25	92.25	5800.00	5800.00
-5.00%	97.25	87.25	5900.00	5900.00
-5.00%	92.25	82.25	6000.00	6000.00
-5.00%	87.25	77.25	6100.00	6100.00
-5.00%	82.25	72.25	6200.00	6200.00
-5.00%	77.25	67.25	6300.00	6300.00
-5.00%	72.25	62.25	6400.00	6400.00
-5.00%	67.25	57.25	6500.00	6500.00
-5.00%	62.25	52.25	6600.00	6600.00
-5.00%	57.25	47.25	6700.00	6700.00
-5.00%	52.25	42.25	6800.00	6800.00
-5.00%	47.25	37.25	6900.00	6900.00
-5.00%	42.25	32.25	7000.00	7000.00
-5.00%	37.25	27.25	7100.00	7100.00
-5.00%	32.25	22.25	7200.00	7200.00
-5.00%	27.25	17.25	7300.00	7300.00
-5.00%	22.25	12.25	7400.00	7400.00
-5.00%	17.25	7.25	7500.00	7500.00
-5.00%	12.25	2.25	7600.00	7600.00
-5.00%	7.25	-2.75	7700.00	7700.00
-5.00%	2.25	-7.75	7800.00	7800.00
-5.00%	-2.75	-12.75	7900.00	7900.00
-5.00%	-7.75	-17.75	8000.00	8000.00
-5.00%	-12.75	-22.75	8100.00	8100.00
-5.00%	-17.75	-27.75	8200.00	8200.00
-5.00%	-22.75	-32.75	8300.00	8300.00
-5.00%	-27.75	-37.75	8400.00	8400.00
-5.00%	-32.75	-42.75	8500.00	8500.00
-5.00%	-37.75	-47.75	8600.00	8600.00
-5.00%	-42.75	-52.75	8700.00	8700.00
-5.00%	-47.75	-57.75	8800.00	8800.00
-5.00%	-52.75	-62.75	8900.00	8900.00
-5.00%	-57.75	-67.75	9000.00	9000.00
-5.00%	-62.75	-72.75	9100.00	9100.00
-5.00%	-67.75	-77.75	9200.00	9200.00
-5.00%	-72.75	-82.75	9300.00	9300.00
-5.00%	-77.75	-87.75	9400.00	9400.00
-5.00%	-82.75	-92.75	9500.00	9500.00
-5.00%	-87.75	-97.75	9600.00	9600.00
-5.00%	-92.75	-102.75	9700.00	9700.00
-5.00%	-97.75	-107.75	9800.00	9800.00
-5.00%	-102.75	-112.75	9900.00	9900.00
-5.00%	-107.75	-117.75	10000.00	10000.00

LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	SHEET CONTENTS		SCALE 1/25,000, 1/2,500
	PRE-F/S CORRIDOR	PROFILE KM347+000 - KM355+000	
DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		SECTION E-1	DATE MAR 2018
JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		PAGE NO. 15 / 17	
CENTRAL Central Consultant Inc. PASCO Pasco Corporation			

C. PLAN & PROFILE OF NH8 CORRIDOR

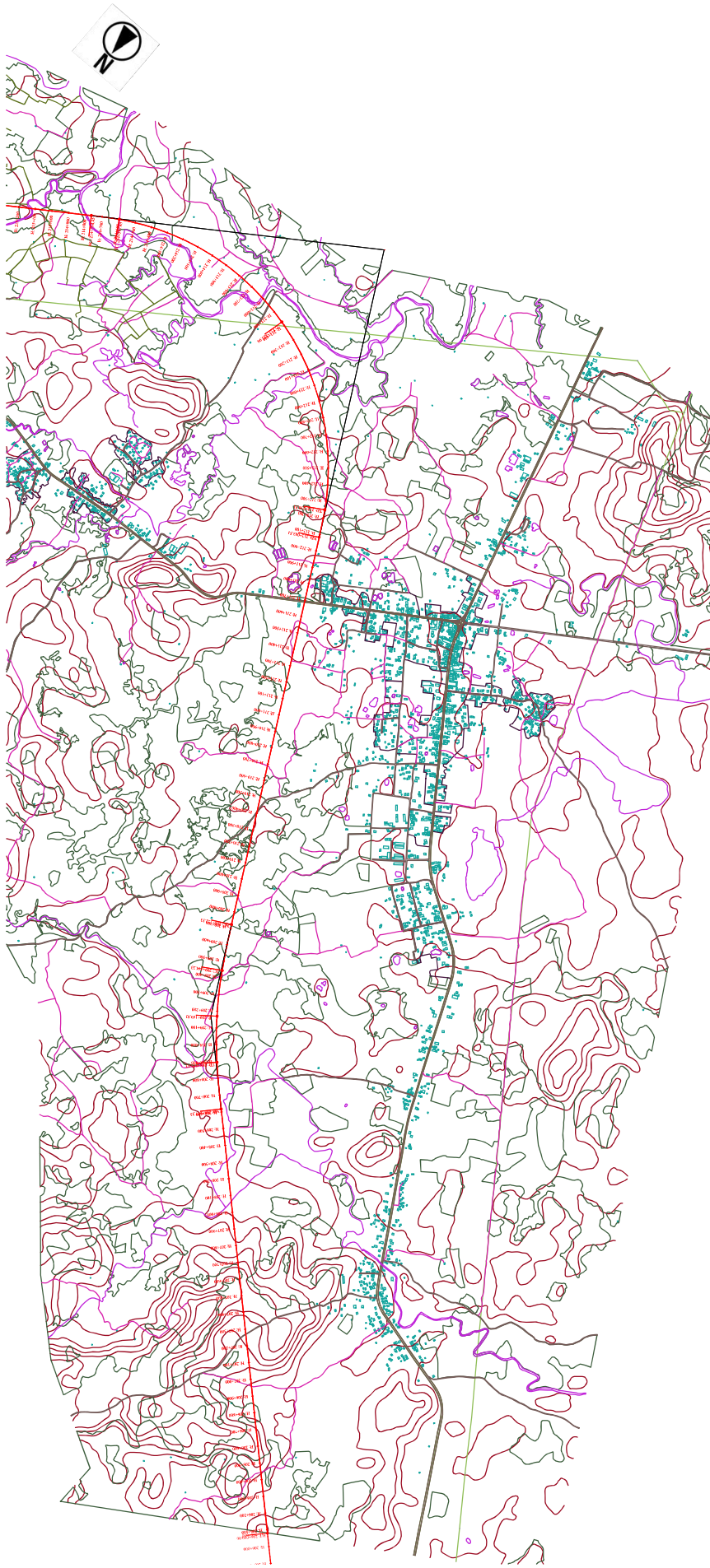
Section 1: Bypass at NH13/NH8 Intersection

Section 2: Khoun Ngeun Tunnel, Na Hin Tunnel

Section 3: Bypass at Nam Phao/Cau Treo Border

VIENTIANE

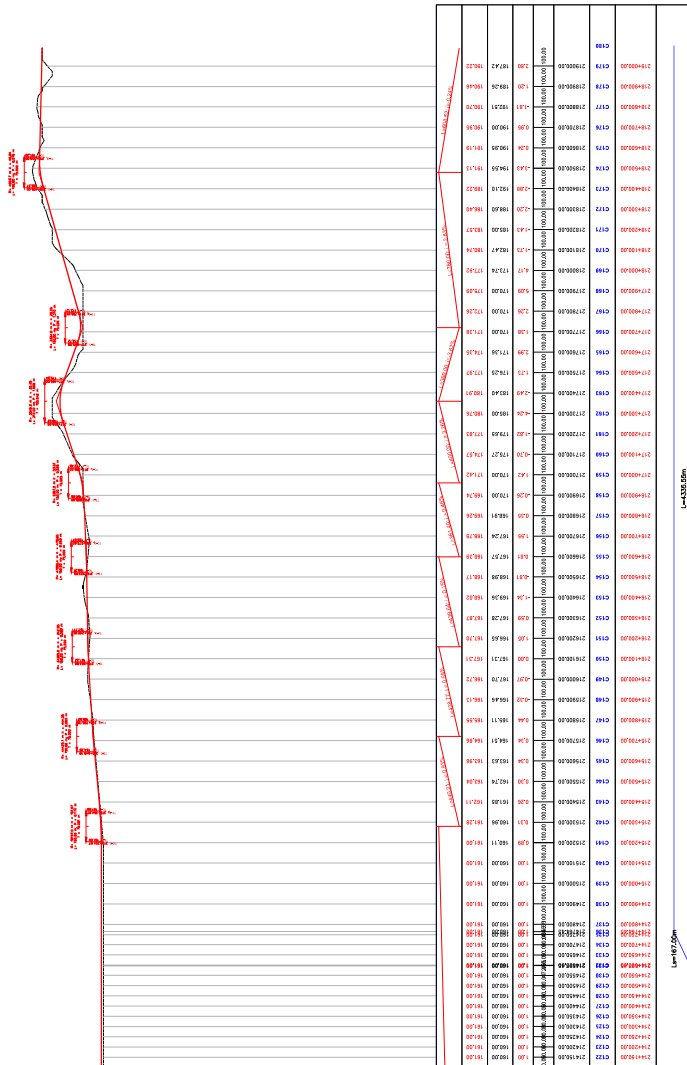
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LAO PEOPLES DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	<p>JAPAN INTERNATIONAL COOPERATION AGENCY Yachyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. PASCO Pasco Corporation</p>	DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA	Study on NH8 Corridor SECTION 1	SHEET CONTENTS		
				PLAN (1/2)	SCALE 1:25,000	DATE MAR 2018

VIENTIANE

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LAO PEOPLE'S DEMOCRATIC REPUBLIC
SOCIALIST REPUBLIC OF VIETNAM

JAPAN INTERNATIONAL COOPERATION AGENCY
Yachyo Engineering Co., Ltd. **NIPPON KOEI** Nippon Koei Co., Ltd.
CENTRAL Central Consultant Inc. **PASCO** Pasco Corporation

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