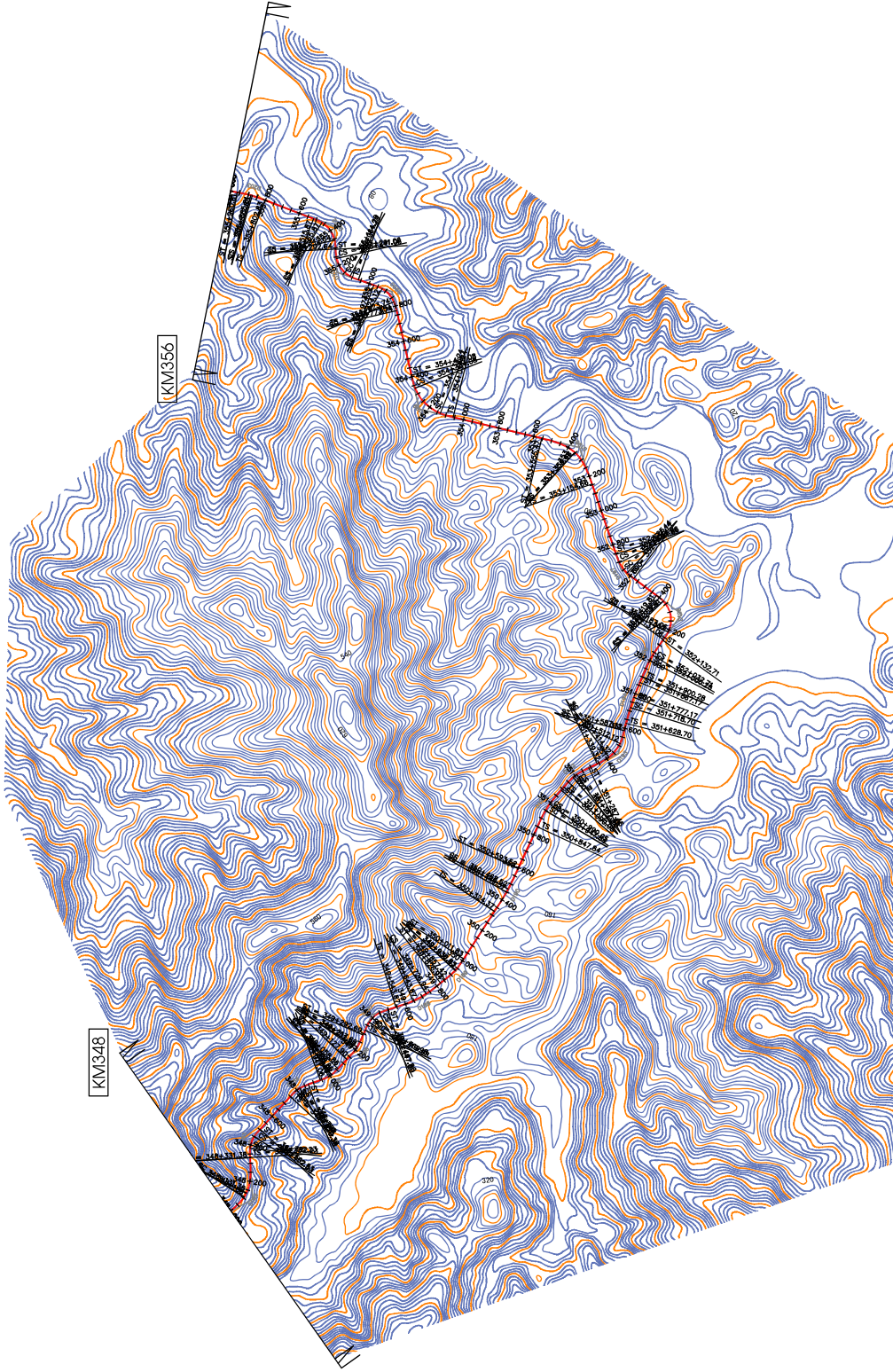


VIENTIANE

PLAN HANOI - VIENTIANE

SCALE: 1/25,000

HANOI



LAO PEOPLE'S DEMOCRATIC REPUBLIC
SOCIALIST REPUBLIC OF VIETNAM

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

DATA COLLECTION SURVEY FOR
ENHANCEMENT OF CONNECTIVITY
BETWEEN HANOI AND VIENTIANE IN ASIA

PRE-F/S CORRIDOR
SECTION E-1

SHEET CONTENTS
PROFILE
KM348+000- KM356+000

SCALE 1/25,000

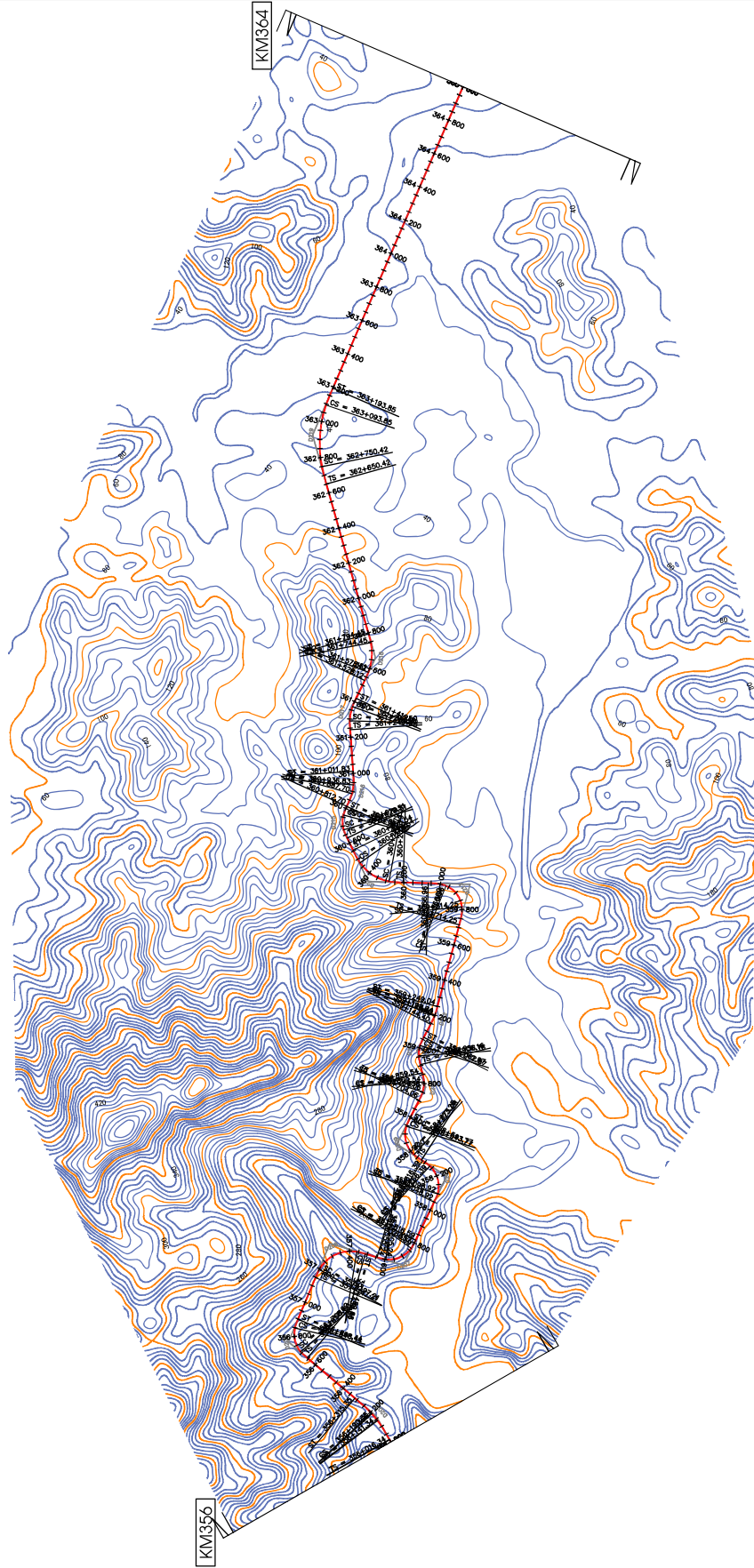
DATE MAR 2018

PAGE NO. 09 / 10

HANOI

PLAN HANOI - VIENTIANE
SCALE: 1/25,000

VIENTIANE



KM356

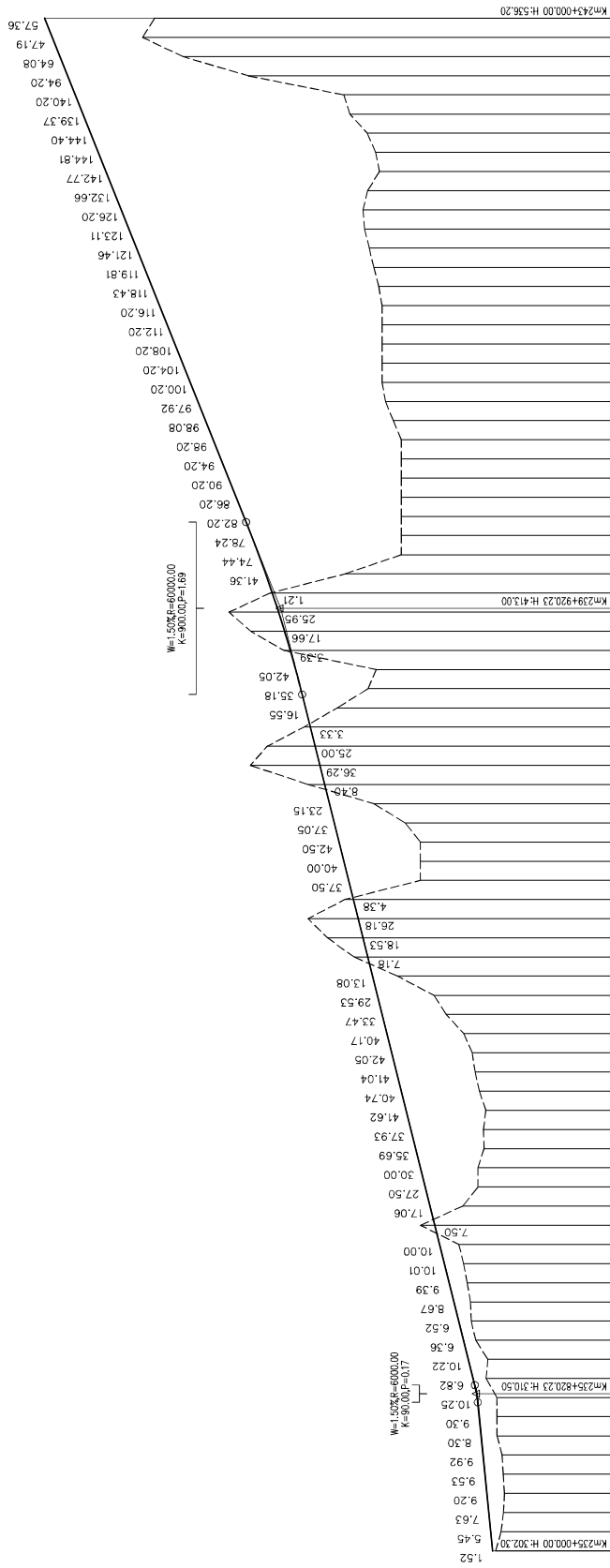
KM364

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 KM356+000 - KM364+000		SCALE 1/25,000
					SECTION C-1			DATE MAR 2018
								PAGE NO. 10 / 10

VIENTIANE

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

HANOI



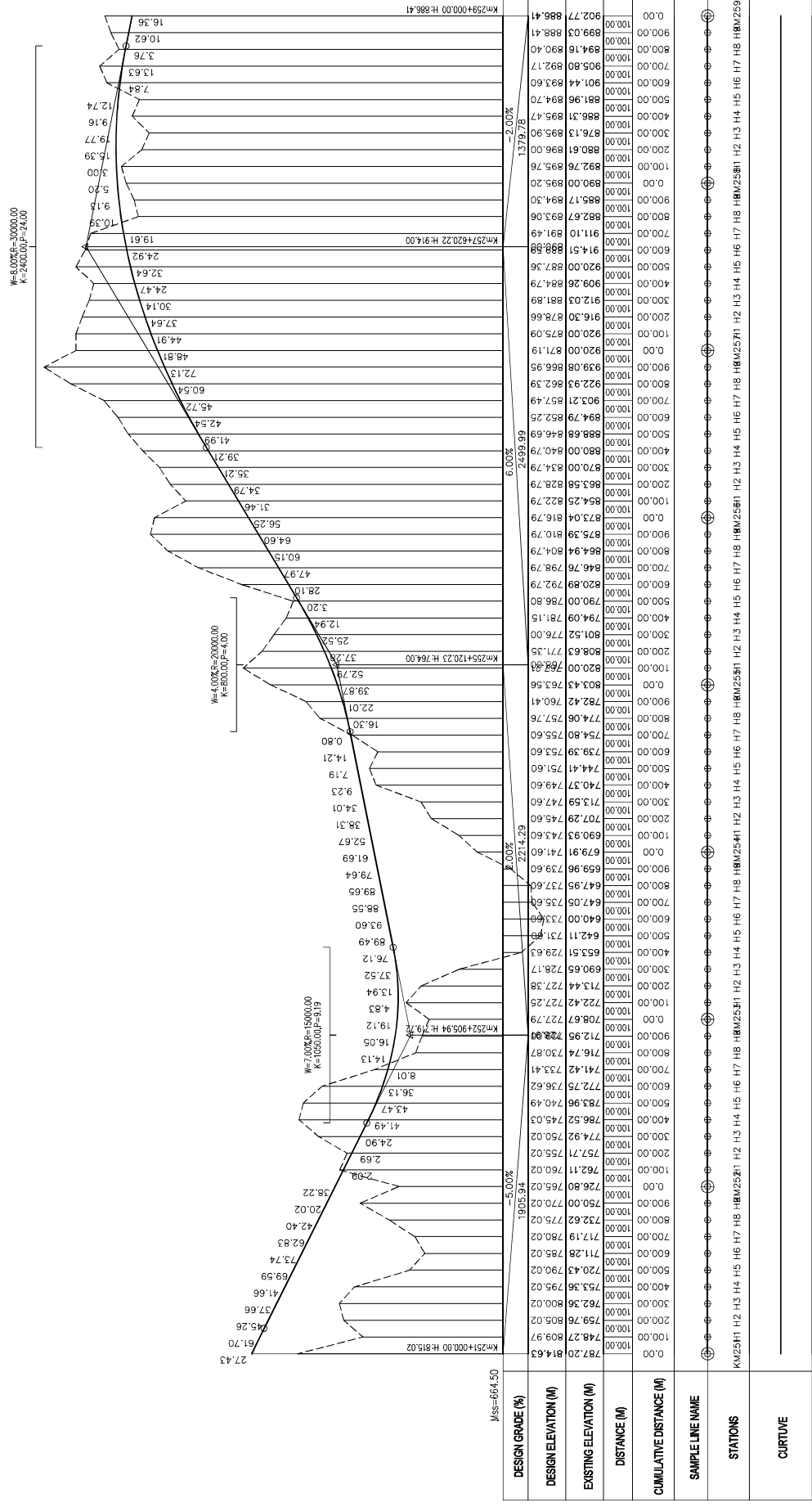
DESIGN GRADE (%)	DESIGN ELEVATION (M)	EXISTING ELEVATION (M)	DISTANCE (M)	CUMULATIVE DISTANCE (M)	SAMPLE LINE NAME	STATIONS	CURTIVE
1.00%	302.30	300.78	302.30	0.00			
	302.30	300.78	302.30	100.00			
	302.30	300.78	302.30	200.00			
	302.30	300.78	302.30	300.00			
	302.30	300.78	302.30	400.00			
	302.30	300.78	302.30	500.00			
	302.30	300.78	302.30	600.00			
	302.30	300.78	302.30	700.00			
	302.30	300.78	302.30	800.00			
	302.30	300.78	302.30	900.00			
	302.30	300.78	302.30	1000.00			
	302.30	300.78	302.30	1100.00			
	302.30	300.78	302.30	1200.00			
	302.30	300.78	302.30	1300.00			
	302.30	300.78	302.30	1400.00			
	302.30	300.78	302.30	1500.00			
	302.30	300.78	302.30	1600.00			
	302.30	300.78	302.30	1700.00			
	302.30	300.78	302.30	1800.00			
	302.30	300.78	302.30	1900.00			
	302.30	300.78	302.30	2000.00			
	302.30	300.78	302.30	2100.00			
	302.30	300.78	302.30	2200.00			
	302.30	300.78	302.30	2300.00			
	302.30	300.78	302.30	2400.00			
	302.30	300.78	302.30	2500.00			
	302.30	300.78	302.30	2600.00			
	302.30	300.78	302.30	2700.00			
	302.30	300.78	302.30	2800.00			
	302.30	300.78	302.30	2900.00			
	302.30	300.78	302.30	3000.00			
	302.30	300.78	302.30	3100.00			
	302.30	300.78	302.30	3200.00			
	302.30	300.78	302.30	3300.00			
	302.30	300.78	302.30	3400.00			
	302.30	300.78	302.30	3500.00			
	302.30	300.78	302.30	3600.00			
	302.30	300.78	302.30	3700.00			
	302.30	300.78	302.30	3800.00			
	302.30	300.78	302.30	3900.00			
	302.30	300.78	302.30	4000.00			
	302.30	300.78	302.30	4100.00			
	302.30	300.78	302.30	4200.00			
	302.30	300.78	302.30	4300.00			
	302.30	300.78	302.30	4400.00			
	302.30	300.78	302.30	4500.00			
	302.30	300.78	302.30	4600.00			
	302.30	300.78	302.30	4700.00			
	302.30	300.78	302.30	4800.00			
	302.30	300.78	302.30	4900.00			
	302.30	300.78	302.30	5000.00			
	302.30	300.78	302.30	5100.00			
	302.30	300.78	302.30	5200.00			
	302.30	300.78	302.30	5300.00			
	302.30	300.78	302.30	5400.00			
	302.30	300.78	302.30	5500.00			
	302.30	300.78	302.30	5600.00			
	302.30	300.78	302.30	5700.00			
	302.30	300.78	302.30	5800.00			
	302.30	300.78	302.30	5900.00			
	302.30	300.78	302.30	6000.00			
	302.30	300.78	302.30	6100.00			
	302.30	300.78	302.30	6200.00			
	302.30	300.78	302.30	6300.00			
	302.30	300.78	302.30	6400.00			
	302.30	300.78	302.30	6500.00			
	302.30	300.78	302.30	6600.00			
	302.30	300.78	302.30	6700.00			
	302.30	300.78	302.30	6800.00			
	302.30	300.78	302.30	6900.00			
	302.30	300.78	302.30	7000.00			
	302.30	300.78	302.30	7100.00			
	302.30	300.78	302.30	7200.00			
	302.30	300.78	302.30	7300.00			
	302.30	300.78	302.30	7400.00			
	302.30	300.78	302.30	7500.00			
	302.30	300.78	302.30	7600.00			
	302.30	300.78	302.30	7700.00			
	302.30	300.78	302.30	7800.00			
	302.30	300.78	302.30	7900.00			
	302.30	300.78	302.30	8000.00			
	302.30	300.78	302.30	8100.00			
	302.30	300.78	302.30	8200.00			
	302.30	300.78	302.30	8300.00			
	302.30	300.78	302.30	8400.00			
	302.30	300.78	302.30	8500.00			
	302.30	300.78	302.30	8600.00			
	302.30	300.78	302.30	8700.00			
	302.30	300.78	302.30	8800.00			
	302.30	300.78	302.30	8900.00			
	302.30	300.78	302.30	9000.00			
	302.30	300.78	302.30	9100.00			
	302.30	300.78	302.30	9200.00			
	302.30	300.78	302.30	9300.00			
	302.30	300.78	302.30	9400.00			
	302.30	300.78	302.30	9500.00			
	302.30	300.78	302.30	9600.00			
	302.30	300.78	302.30	9700.00			
	302.30	300.78	302.30	9800.00			
	302.30	300.78	302.30	9900.00			
	302.30	300.78	302.30	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 KM235+000 - KM243+000		SCALE 1/25,000, 1/2,500
	CENTRAL Central Consultant Inc. PASCO Pasco Corporation								DATE MAR 2018
									PAGE NO. 01 / 17

VIENTIANE

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

HANOI



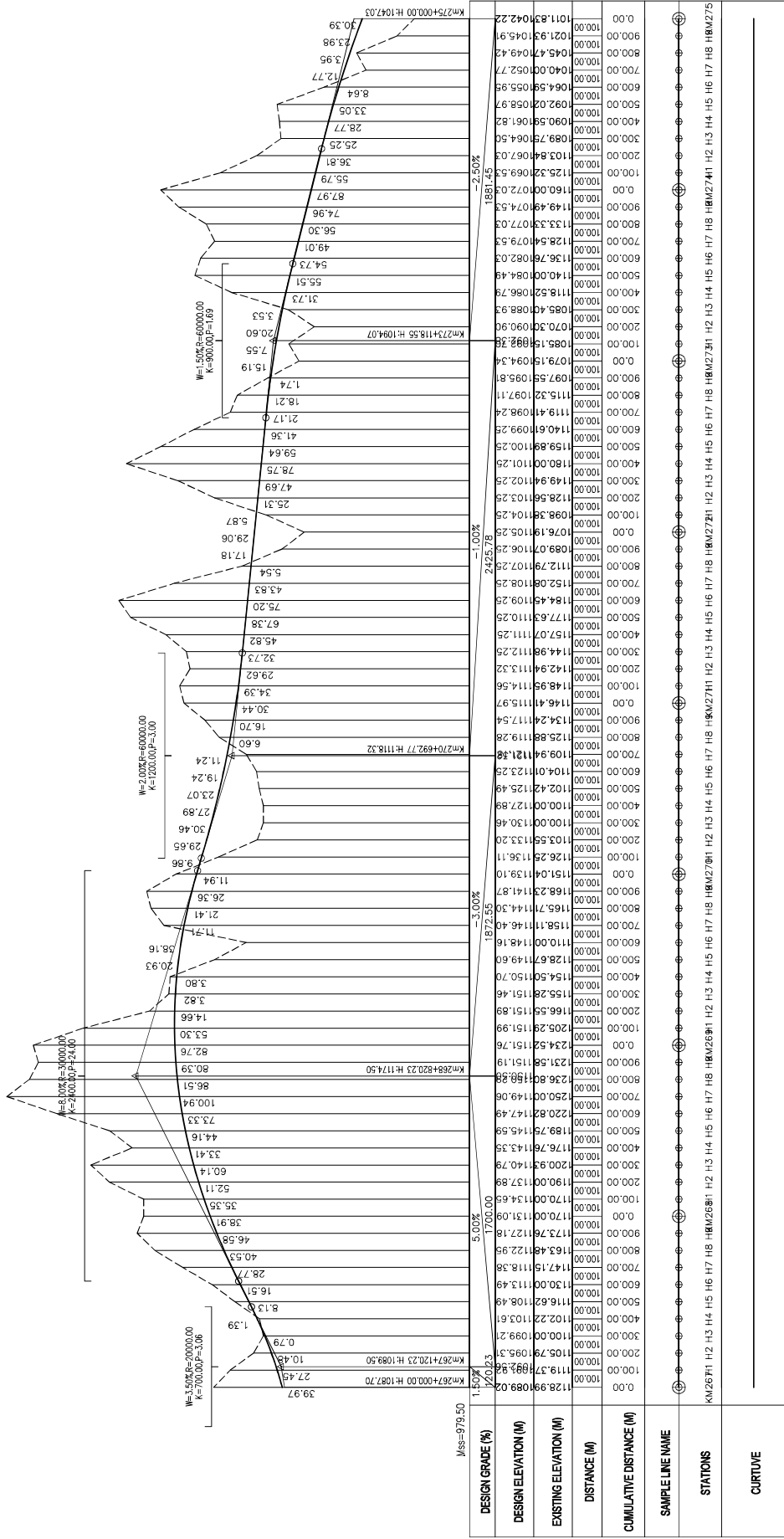
DESIGN GRADE (%)	DESIGN ELEVATION (M)	EXISTING ELEVATION (M)	DISTANCE (M)	CUMULATIVE DISTANCE (M)	SAMPLE LINE NAME	STATIONS	CURTIVE
-5.00%	787.20	748.27	0.00	0.00		KM251+00.00 H: 815.02	
-5.00%	787.20	748.27	100.00	100.00			
-5.00%	787.20	748.27	200.00	200.00			
-5.00%	787.20	748.27	300.00	300.00			
-5.00%	787.20	748.27	400.00	400.00			
-5.00%	787.20	748.27	500.00	500.00			
-5.00%	787.20	748.27	600.00	600.00			
-5.00%	787.20	748.27	700.00	700.00			
-5.00%	787.20	748.27	800.00	800.00			
-5.00%	787.20	748.27	900.00	900.00			
0.00%	787.20	748.27	1000.00	1000.00			
0.00%	787.20	748.27	1100.00	1100.00			
0.00%	787.20	748.27	1200.00	1200.00			
0.00%	787.20	748.27	1300.00	1300.00			
0.00%	787.20	748.27	1400.00	1400.00			
0.00%	787.20	748.27	1500.00	1500.00			
0.00%	787.20	748.27	1600.00	1600.00			
0.00%	787.20	748.27	1700.00	1700.00			
0.00%	787.20	748.27	1800.00	1800.00			
0.00%	787.20	748.27	1900.00	1900.00			
0.00%	787.20	748.27	2000.00	2000.00			
0.00%	787.20	748.27	2100.00	2100.00			
0.00%	787.20	748.27	2200.00	2200.00			
0.00%	787.20	748.27	2300.00	2300.00			
0.00%	787.20	748.27	2400.00	2400.00			
0.00%	787.20	748.27	2500.00	2500.00			
0.00%	787.20	748.27	2600.00	2600.00			
0.00%	787.20	748.27	2700.00	2700.00			
0.00%	787.20	748.27	2800.00	2800.00			
0.00%	787.20	748.27	2900.00	2900.00			
0.00%	787.20	748.27	3000.00	3000.00			
0.00%	787.20	748.27	3100.00	3100.00			
0.00%	787.20	748.27	3200.00	3200.00			
0.00%	787.20	748.27	3300.00	3300.00			
0.00%	787.20	748.27	3400.00	3400.00			
0.00%	787.20	748.27	3500.00	3500.00			
0.00%	787.20	748.27	3600.00	3600.00			
0.00%	787.20	748.27	3700.00	3700.00			
0.00%	787.20	748.27	3800.00	3800.00			
0.00%	787.20	748.27	3900.00	3900.00			
0.00%	787.20	748.27	4000.00	4000.00			
0.00%	787.20	748.27	4100.00	4100.00			
0.00%	787.20	748.27	4200.00	4200.00			
0.00%	787.20	748.27	4300.00	4300.00			
0.00%	787.20	748.27	4400.00	4400.00			
0.00%	787.20	748.27	4500.00	4500.00			
0.00%	787.20	748.27	4600.00	4600.00			
0.00%	787.20	748.27	4700.00	4700.00			
0.00%	787.20	748.27	4800.00	4800.00			
0.00%	787.20	748.27	4900.00	4900.00			
0.00%	787.20	748.27	5000.00	5000.00			
0.00%	787.20	748.27	5100.00	5100.00			
0.00%	787.20	748.27	5200.00	5200.00			
0.00%	787.20	748.27	5300.00	5300.00			
0.00%	787.20	748.27	5400.00	5400.00			
0.00%	787.20	748.27	5500.00	5500.00			
0.00%	787.20	748.27	5600.00	5600.00			
0.00%	787.20	748.27	5700.00	5700.00			
0.00%	787.20	748.27	5800.00	5800.00			
0.00%	787.20	748.27	5900.00	5900.00			
0.00%	787.20	748.27	6000.00	6000.00			
0.00%	787.20	748.27	6100.00	6100.00			
0.00%	787.20	748.27	6200.00	6200.00			
0.00%	787.20	748.27	6300.00	6300.00			
0.00%	787.20	748.27	6400.00	6400.00			
0.00%	787.20	748.27	6500.00	6500.00			
0.00%	787.20	748.27	6600.00	6600.00			
0.00%	787.20	748.27	6700.00	6700.00			
0.00%	787.20	748.27	6800.00	6800.00			
0.00%	787.20	748.27	6900.00	6900.00			
0.00%	787.20	748.27	7000.00	7000.00			
0.00%	787.20	748.27	7100.00	7100.00			
0.00%	787.20	748.27	7200.00	7200.00			
0.00%	787.20	748.27	7300.00	7300.00			
0.00%	787.20	748.27	7400.00	7400.00			
0.00%	787.20	748.27	7500.00	7500.00			
0.00%	787.20	748.27	7600.00	7600.00			
0.00%	787.20	748.27	7700.00	7700.00			
0.00%	787.20	748.27	7800.00	7800.00			
0.00%	787.20	748.27	7900.00	7900.00			
0.00%	787.20	748.27	8000.00	8000.00			
0.00%	787.20	748.27	8100.00	8100.00			
0.00%	787.20	748.27	8200.00	8200.00			
0.00%	787.20	748.27	8300.00	8300.00			
0.00%	787.20	748.27	8400.00	8400.00			
0.00%	787.20	748.27	8500.00	8500.00			
0.00%	787.20	748.27	8600.00	8600.00			
0.00%	787.20	748.27	8700.00	8700.00			
0.00%	787.20	748.27	8800.00	8800.00			
0.00%	787.20	748.27	8900.00	8900.00			
0.00%	787.20	748.27	9000.00	9000.00			
-2.00%	886.41	886.41	902.77	902.77		KM259+00.00 H: 886.41	

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
	CENTRAL Central Consultant Inc. PASCO Pasco Corporation								DATE MAR 2018
									PAGE NO. 03 / 17

VIENTIANE

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

HANOI



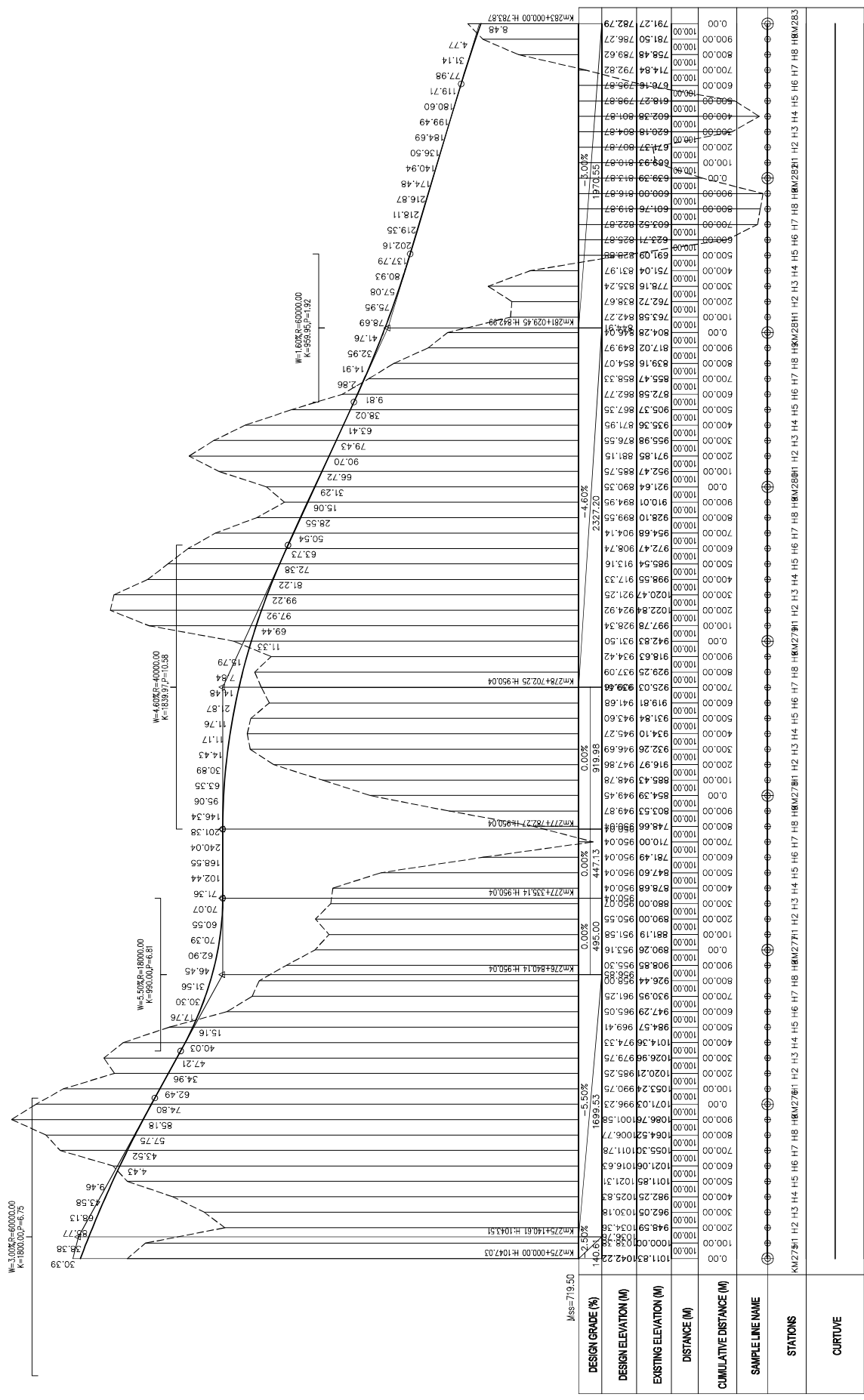
LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM			JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. Central Consultant Inc. PASCO Pasco Corporation		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN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

VIENTIANE

PROFILE HANOI - VIENTIANE

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

HANOI



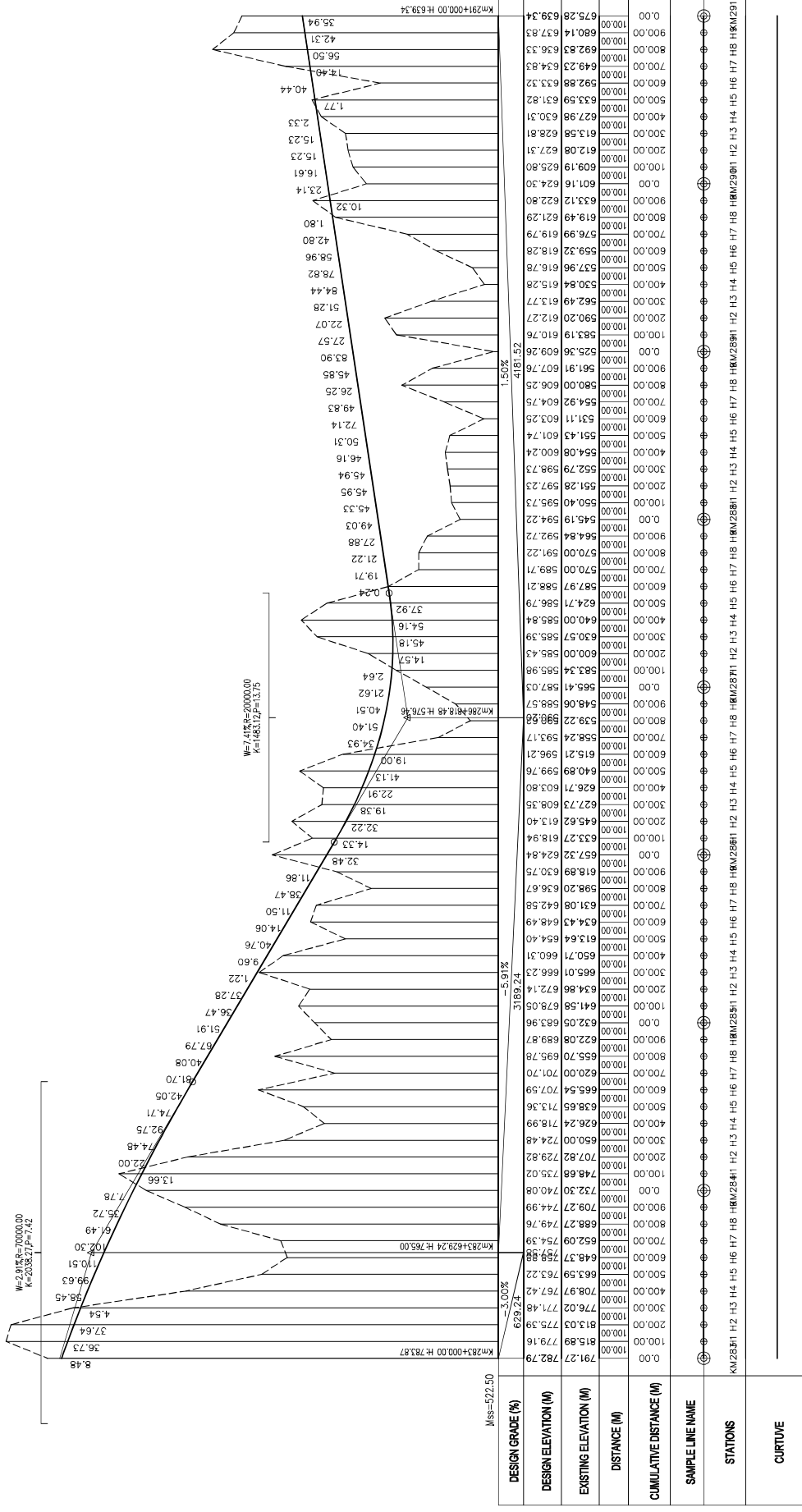
LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR		SHEET CONTENTS	
	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		SECTION C-2		PROFILE KM275+000 - KM283+000	
CENTRAL Central Consultant Inc. PASCO Pasco Corporation		DATE MAR 2018		SCALE 1/25,000, 1/2,500		PAGE NO. 06 / 17

VIENTIANE

PROFILE HANOI - VIENTIANE

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

HANOI

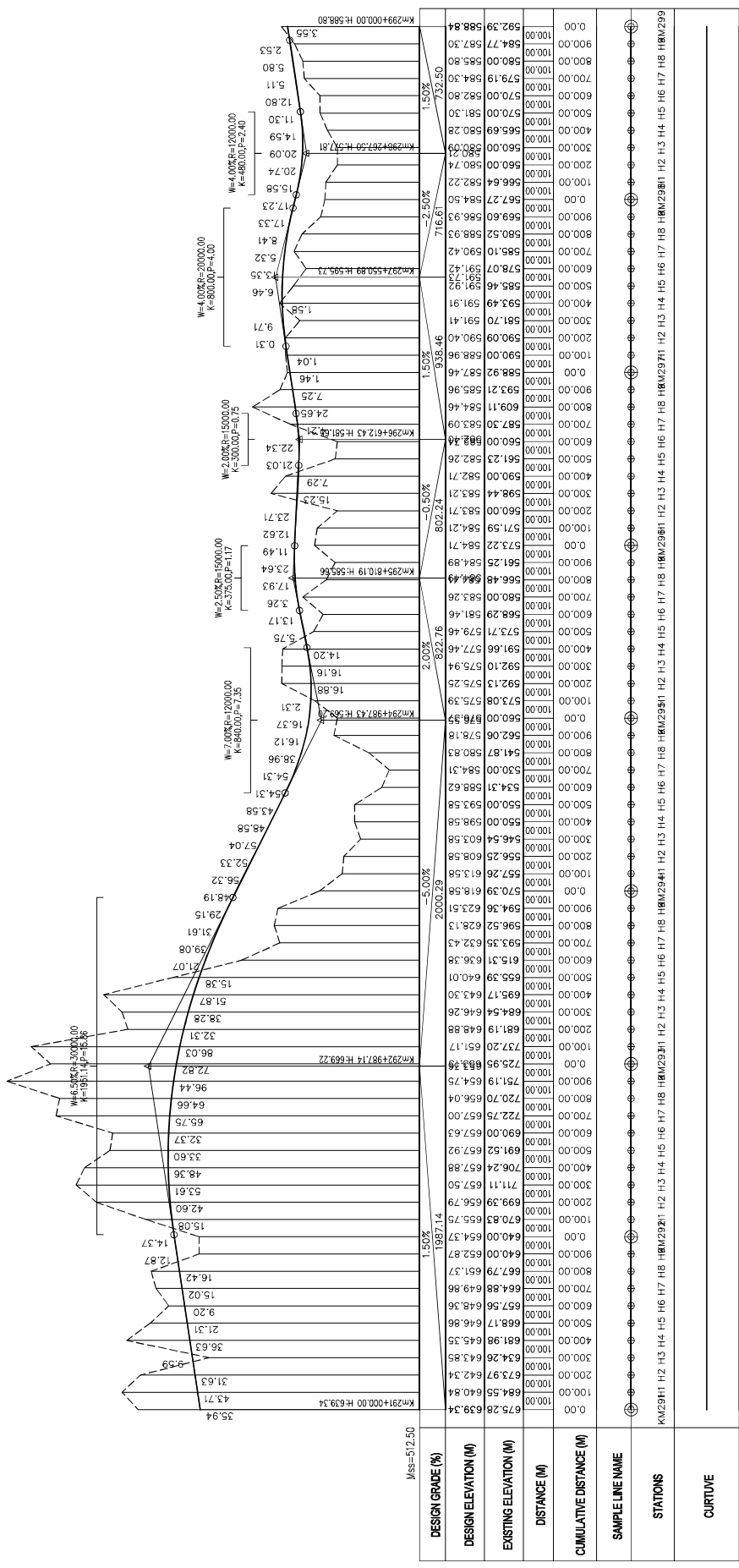


LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	 JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. Central Consultant Inc. PASCO Pasco Corporation		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR SECTION C-2, C-3		SHEET CONTENTS PROFILE KM283+000 - KM291+000		SCALE 1/25,000, 1/2,500
									DATE MAR 2018
								PAGE NO. 07 / 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)	SAMPLE LINE NAME	STATIONS	CURTIVE
1.50%	675.28	640.84	100.00	0.00		Km291+000.00 H:639.34	
1.50%	640.00	652.87	100.00	100.00			
1.50%	605.00	664.00	100.00	200.00			
1.50%	570.00	675.28	100.00	300.00			
1.50%	535.00	686.61	100.00	400.00			
1.50%	500.00	697.94	100.00	500.00			
1.50%	465.00	709.29	100.00	600.00			
1.50%	430.00	720.64	100.00	700.00			
1.50%	395.00	732.00	100.00	800.00			
1.50%	360.00	743.35	100.00	900.00			
1.50%	325.00	754.70	100.00	1000.00			
1.50%	290.00	766.05	100.00	1100.00			
1.50%	255.00	777.40	100.00	1200.00			
1.50%	220.00	788.75	100.00	1300.00			
1.50%	185.00	800.10	100.00	1400.00			
1.50%	150.00	811.45	100.00	1500.00			
1.50%	115.00	822.80	100.00	1600.00			
1.50%	80.00	834.15	100.00	1700.00			
1.50%	45.00	845.50	100.00	1800.00			
1.50%	10.00	856.85	100.00	1900.00			
1.50%	0.00	868.20	100.00	2000.00			
1.50%	0.00	879.55	100.00	2100.00			
1.50%	0.00	890.90	100.00	2200.00			
1.50%	0.00	902.25	100.00	2300.00			
1.50%	0.00	913.60	100.00	2400.00			
1.50%	0.00	924.95	100.00	2500.00			
1.50%	0.00	936.30	100.00	2600.00			
1.50%	0.00	947.65	100.00	2700.00			
1.50%	0.00	959.00	100.00	2800.00			
1.50%	0.00	970.35	100.00	2900.00			
1.50%	0.00	981.70	100.00	3000.00			
1.50%	0.00	993.05	100.00	3100.00			
1.50%	0.00	1004.40	100.00	3200.00			
1.50%	0.00	1015.75	100.00	3300.00			
1.50%	0.00	1027.10	100.00	3400.00			
1.50%	0.00	1038.45	100.00	3500.00			
1.50%	0.00	1049.80	100.00	3600.00			
1.50%	0.00	1061.15	100.00	3700.00			
1.50%	0.00	1072.50	100.00	3800.00			
1.50%	0.00	1083.85	100.00	3900.00			
1.50%	0.00	1095.20	100.00	4000.00			
1.50%	0.00	1106.55	100.00	4100.00			
1.50%	0.00	1117.90	100.00	4200.00			
1.50%	0.00	1129.25	100.00	4300.00			
1.50%	0.00	1140.60	100.00	4400.00			
1.50%	0.00	1151.95	100.00	4500.00			
1.50%	0.00	1163.30	100.00	4600.00			
1.50%	0.00	1174.65	100.00	4700.00			
1.50%	0.00	1186.00	100.00	4800.00			
1.50%	0.00	1197.35	100.00	4900.00			
1.50%	0.00	1208.70	100.00	5000.00			
1.50%	0.00	1220.05	100.00	5100.00			
1.50%	0.00	1231.40	100.00	5200.00			
1.50%	0.00	1242.75	100.00	5300.00			
1.50%	0.00	1254.10	100.00	5400.00			
1.50%	0.00	1265.45	100.00	5500.00			
1.50%	0.00	1276.80	100.00	5600.00			
1.50%	0.00	1288.15	100.00	5700.00			
1.50%	0.00	1299.50	100.00	5800.00			
1.50%	0.00	1310.85	100.00	5900.00			
1.50%	0.00	1322.20	100.00	6000.00			
1.50%	0.00	1333.55	100.00	6100.00			
1.50%	0.00	1344.90	100.00	6200.00			
1.50%	0.00	1356.25	100.00	6300.00			
1.50%	0.00	1367.60	100.00	6400.00			
1.50%	0.00	1378.95	100.00	6500.00			
1.50%	0.00	1390.30	100.00	6600.00			
1.50%	0.00	1401.65	100.00	6700.00			
1.50%	0.00	1413.00	100.00	6800.00			
1.50%	0.00	1424.35	100.00	6900.00			
1.50%	0.00	1435.70	100.00	7000.00			
1.50%	0.00	1447.05	100.00	7100.00			
1.50%	0.00	1458.40	100.00	7200.00			
1.50%	0.00	1469.75	100.00	7300.00			
1.50%	0.00	1481.10	100.00	7400.00			
1.50%	0.00	1492.45	100.00	7500.00			
1.50%	0.00	1503.80	100.00	7600.00			
1.50%	0.00	1515.15	100.00	7700.00			
1.50%	0.00	1526.50	100.00	7800.00			
1.50%	0.00	1537.85	100.00	7900.00			
1.50%	0.00	1549.20	100.00	8000.00			
1.50%	0.00	1560.55	100.00	8100.00			
1.50%	0.00	1571.90	100.00	8200.00			
1.50%	0.00	1583.25	100.00	8300.00			
1.50%	0.00	1594.60	100.00	8400.00			
1.50%	0.00	1605.95	100.00	8500.00			
1.50%	0.00	1617.30	100.00	8600.00			
1.50%	0.00	1628.65	100.00	8700.00			
1.50%	0.00	1640.00	100.00	8800.00			
1.50%	0.00	1651.35	100.00	8900.00			
1.50%	0.00	1662.70	100.00	9000.00			
1.50%	0.00	1674.05	100.00	9100.00			
1.50%	0.00	1685.40	100.00	9200.00			
1.50%	0.00	1696.75	100.00	9300.00			
1.50%	0.00	1708.10	100.00	9400.00			
1.50%	0.00	1719.45	100.00	9500.00			
1.50%	0.00	1730.80	100.00	9600.00			
1.50%	0.00	1742.15	100.00	9700.00			
1.50%	0.00	1753.50	100.00	9800.00			
1.50%	0.00	1764.85	100.00	9900.00			
1.50%	0.00	1776.20	100.00	10000.00			

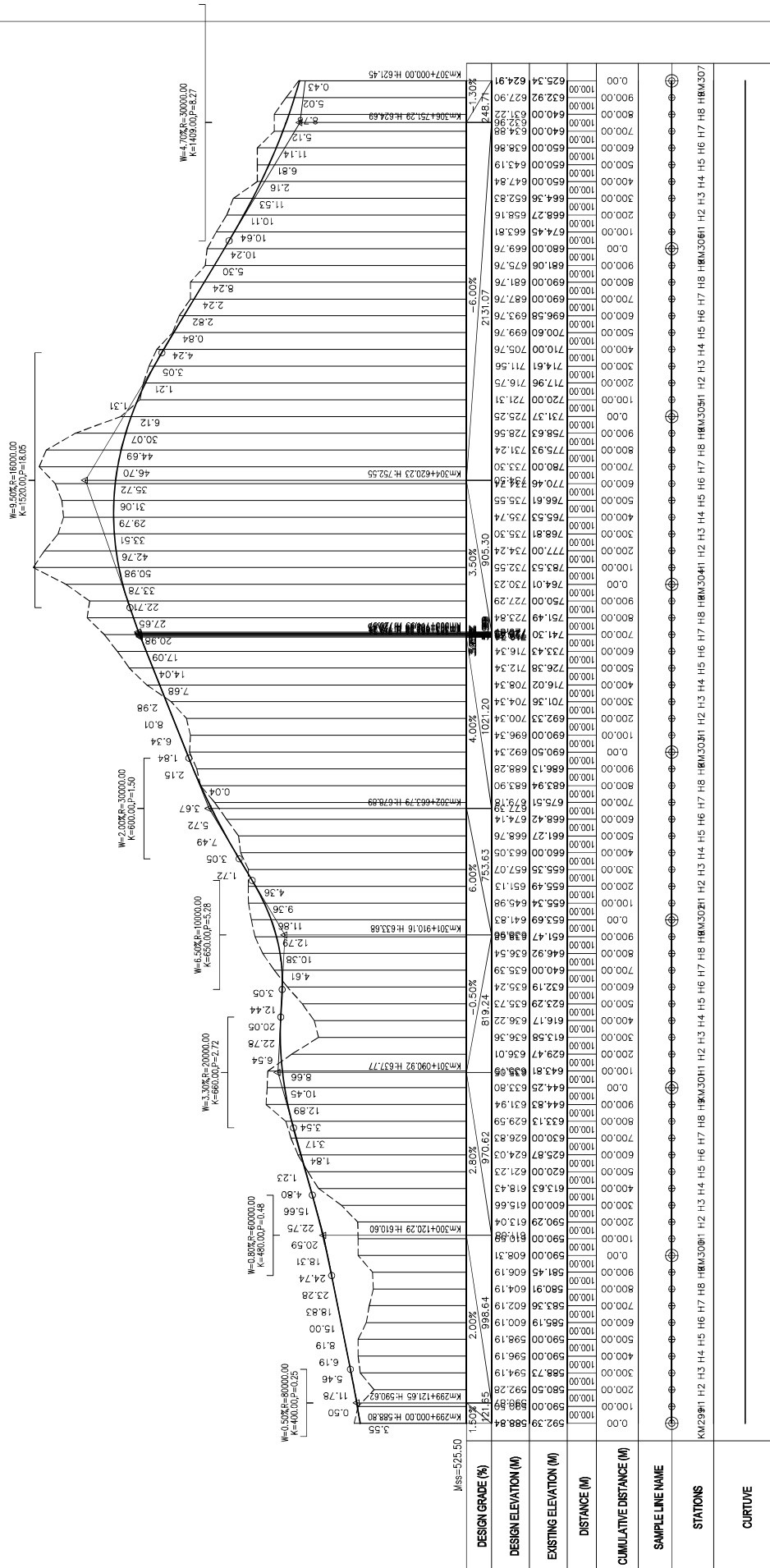
LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	SHEET CONTENTS		SCALE 1/25,000, 1/2,500
	DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA	PRE-F/S CORRIDOR	
JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		PROFILE KM291+000 - KM299+000	DATE MAR 2018
CENTRAL Central Consultant Inc. PASCO		SECTION C-3	PAGE NO. 08 / 17

VIENTIANE

PROFILE HANOI - VIENTIANE

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

HANOI

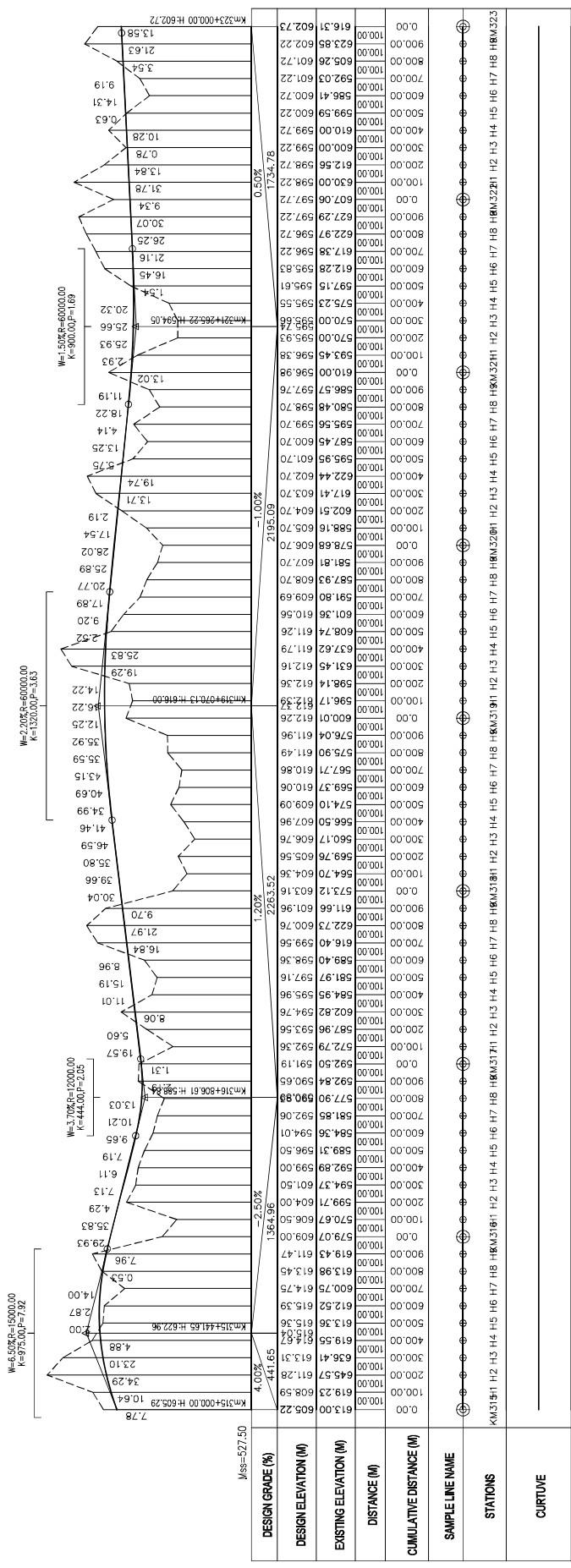


LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd., NIPPON KOEI Nippon Koei Co., Ltd.		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR SECTION C-3		SHEET CONTENTS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

VIENTIANE

HANOI

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

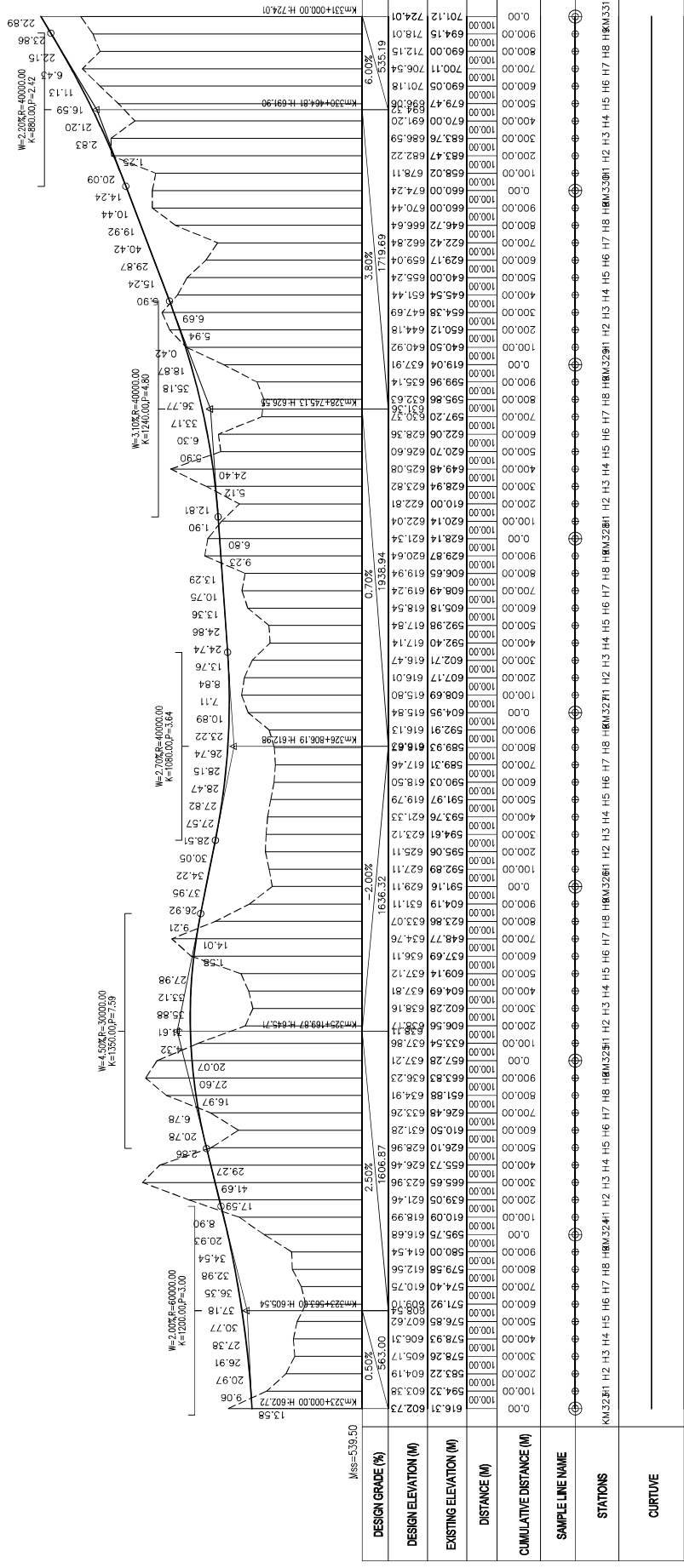


LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR		SHEET CONTENTS	
	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		SECTION D-1		PROFILE KM315+000 - KM323+000	
	CENTRAL Central Consultant Inc. PASCO 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

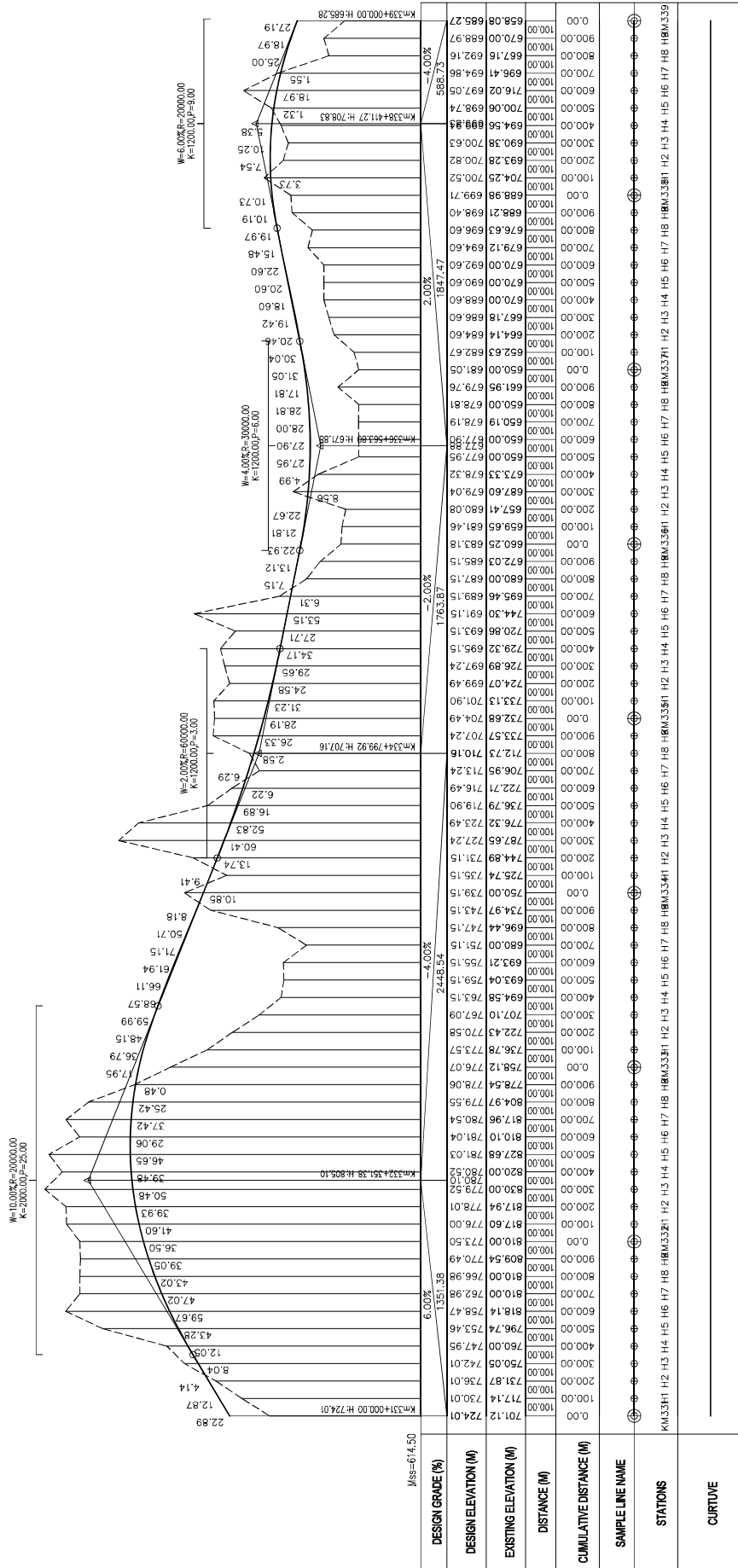


LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR		SHEET CONTENTS		
	CENTRAL Central Consultant Inc. PASCO Pasco Corporation		SECTION D-1		PROFILE KM323+000 - KM31+000		SCALE 1/25,000; 1/2,500		
						DATE MAR 2018		PAGE NO. 12 / 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
6.00%	724.01	701.12	724.01	0.00			
6.00%	730.01	717.14	730.01	100.00			
6.00%	735.01	723.14	735.01	200.00			
6.00%	740.01	729.14	740.01	300.00			
6.00%	745.01	735.14	745.01	400.00			
6.00%	750.01	741.14	750.01	500.00			
6.00%	755.01	747.14	755.01	600.00			
6.00%	760.01	753.14	760.01	700.00			
6.00%	765.01	759.14	765.01	800.00			
6.00%	770.01	765.14	770.01	900.00			
6.00%	775.01	771.14	775.01	1000.00			
6.00%	780.01	777.14	780.01	1100.00			
6.00%	785.01	783.14	785.01	1200.00			
6.00%	790.01	789.14	790.01	1300.00			
6.00%	795.01	795.14	795.01	1400.00			
6.00%	800.01	801.14	800.01	1500.00			
6.00%	805.01	807.14	805.01	1600.00			
6.00%	810.01	813.14	810.01	1700.00			
6.00%	815.01	819.14	815.01	1800.00			
6.00%	820.01	825.14	820.01	1900.00			
6.00%	825.01	831.14	825.01	2000.00			
6.00%	830.01	837.14	830.01	2100.00			
6.00%	835.01	843.14	835.01	2200.00			
6.00%	840.01	849.14	840.01	2300.00			
6.00%	845.01	855.14	845.01	2400.00			
6.00%	850.01	861.14	850.01	2500.00			
6.00%	855.01	867.14	855.01	2600.00			
6.00%	860.01	873.14	860.01	2700.00			
6.00%	865.01	879.14	865.01	2800.00			
6.00%	870.01	885.14	870.01	2900.00			
6.00%	875.01	891.14	875.01	3000.00			
6.00%	880.01	897.14	880.01	3100.00			
6.00%	885.01	903.14	885.01	3200.00			
6.00%	890.01	909.14	890.01	3300.00			
6.00%	895.01	915.14	895.01	3400.00			
6.00%	900.01	921.14	900.01	3500.00			
6.00%	905.01	927.14	905.01	3600.00			
6.00%	910.01	933.14	910.01	3700.00			
6.00%	915.01	939.14	915.01	3800.00			
6.00%	920.01	945.14	920.01	3900.00			
6.00%	925.01	951.14	925.01	4000.00			
6.00%	930.01	957.14	930.01	4100.00			
6.00%	935.01	963.14	935.01	4200.00			
6.00%	940.01	969.14	940.01	4300.00			
6.00%	945.01	975.14	945.01	4400.00			
6.00%	950.01	981.14	950.01	4500.00			
6.00%	955.01	987.14	955.01	4600.00			
6.00%	960.01	993.14	960.01	4700.00			
6.00%	965.01	999.14	965.01	4800.00			
6.00%	970.01	1005.14	970.01	4900.00			
6.00%	975.01	1011.14	975.01	5000.00			
6.00%	980.01	1017.14	980.01	5100.00			
6.00%	985.01	1023.14	985.01	5200.00			
6.00%	990.01	1029.14	990.01	5300.00			
6.00%	995.01	1035.14	995.01	5400.00			
6.00%	1000.01	1041.14	1000.01	5500.00			
6.00%	1005.01	1047.14	1005.01	5600.00			
6.00%	1010.01	1053.14	1010.01	5700.00			
6.00%	1015.01	1059.14	1015.01	5800.00			
6.00%	1020.01	1065.14	1020.01	5900.00			
6.00%	1025.01	1071.14	1025.01	6000.00			
6.00%	1030.01	1077.14	1030.01	6100.00			
6.00%	1035.01	1083.14	1035.01	6200.00			
6.00%	1040.01	1089.14	1040.01	6300.00			
6.00%	1045.01	1095.14	1045.01	6400.00			
6.00%	1050.01	1101.14	1050.01	6500.00			
6.00%	1055.01	1107.14	1055.01	6600.00			
6.00%	1060.01	1113.14	1060.01	6700.00			
6.00%	1065.01	1119.14	1065.01	6800.00			
6.00%	1070.01	1125.14	1070.01	6900.00			
6.00%	1075.01	1131.14	1075.01	7000.00			
6.00%	1080.01	1137.14	1080.01	7100.00			
6.00%	1085.01	1143.14	1085.01	7200.00			
6.00%	1090.01	1149.14	1090.01	7300.00			
6.00%	1095.01	1155.14	1095.01	7400.00			
6.00%	1100.01	1161.14	1100.01	7500.00			
6.00%	1105.01	1167.14	1105.01	7600.00			
6.00%	1110.01	1173.14	1110.01	7700.00			
6.00%	1115.01	1179.14	1115.01	7800.00			
6.00%	1120.01	1185.14	1120.01	7900.00			
6.00%	1125.01	1191.14	1125.01	8000.00			
6.00%	1130.01	1197.14	1130.01	8100.00			
6.00%	1135.01	1203.14	1135.01	8200.00			
6.00%	1140.01	1209.14	1140.01	8300.00			
6.00%	1145.01	1215.14	1145.01	8400.00			
6.00%	1150.01	1221.14	1150.01	8500.00			
6.00%	1155.01	1227.14	1155.01	8600.00			
6.00%	1160.01	1233.14	1160.01	8700.00			
6.00%	1165.01	1239.14	1165.01	8800.00			
6.00%	1170.01	1245.14	1170.01	8900.00			
6.00%	1175.01	1251.14	1175.01	9000.00			
6.00%	1180.01	1257.14	1180.01	9100.00			
6.00%	1185.01	1263.14	1185.01	9200.00			
6.00%	1190.01	1269.14	1190.01	9300.00			
6.00%	1195.01	1275.14	1195.01	9400.00			
6.00%	1200.01	1281.14	1200.01	9500.00			
6.00%	1205.01	1287.14	1205.01	9600.00			
6.00%	1210.01	1293.14	1210.01	9700.00			
6.00%	1215.01	1299.14	1215.01	9800.00			
6.00%	1220.01	1305.14	1220.01	9900.00			
6.00%	1225.01	1311.14	1225.01	10000.00			

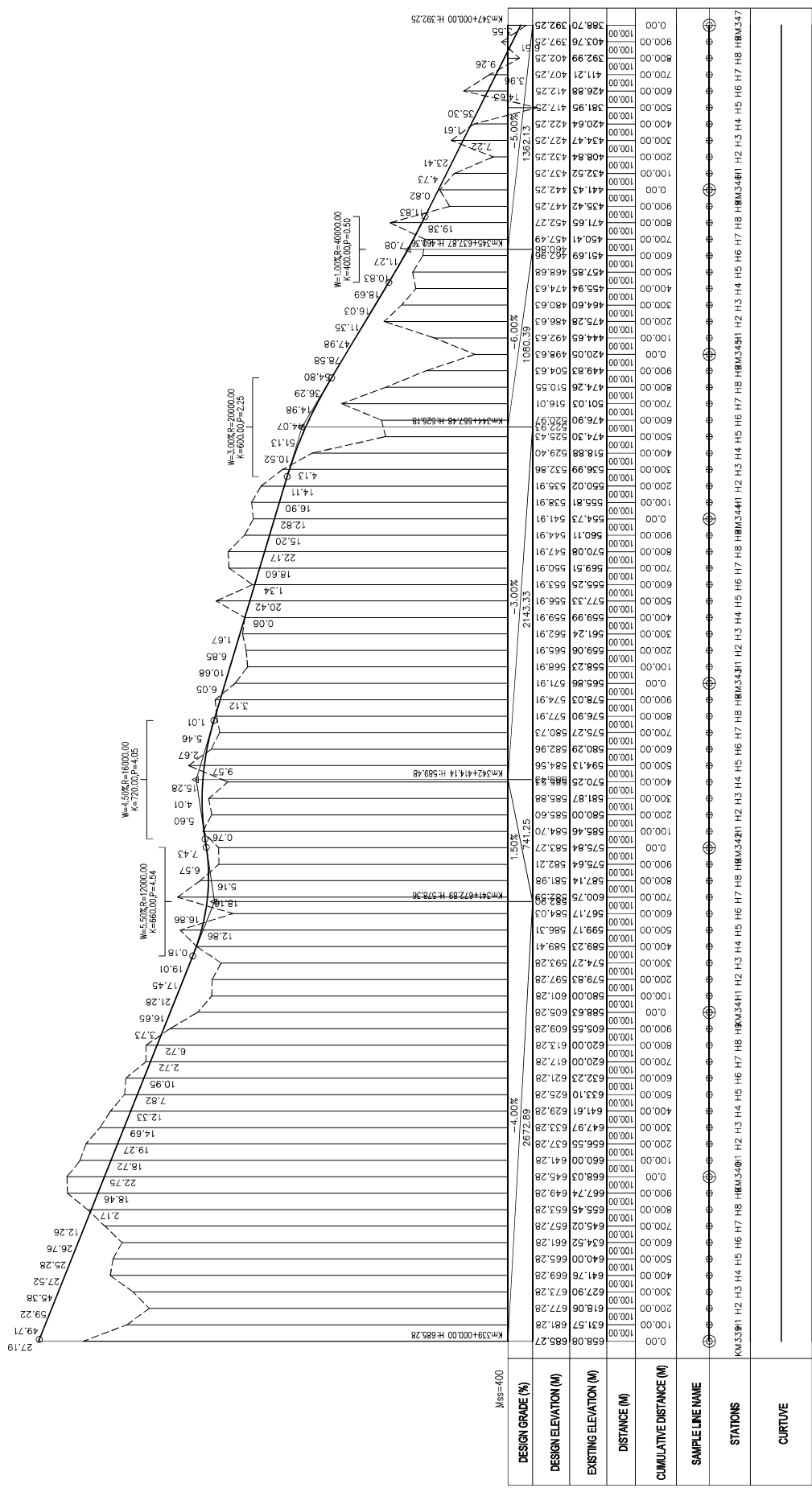
LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	JAPAN INTERNATIONAL COOPERATION AGENCY Yachiyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd.		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		PRE-F/S CORRIDOR SECTION D-1		SHEET CONTENTS PROFILE KM331+000 - KM339+000		SCALE 1/25,000, 1/2,500
	CENTRAL Central Consultant Inc. PASCO Pasco Corporation								DATE MAR 2018
								PAGE NO. 13 / 17	

VIENTIANE

PROFILE HANOI - VIENTIANE

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

HANOI

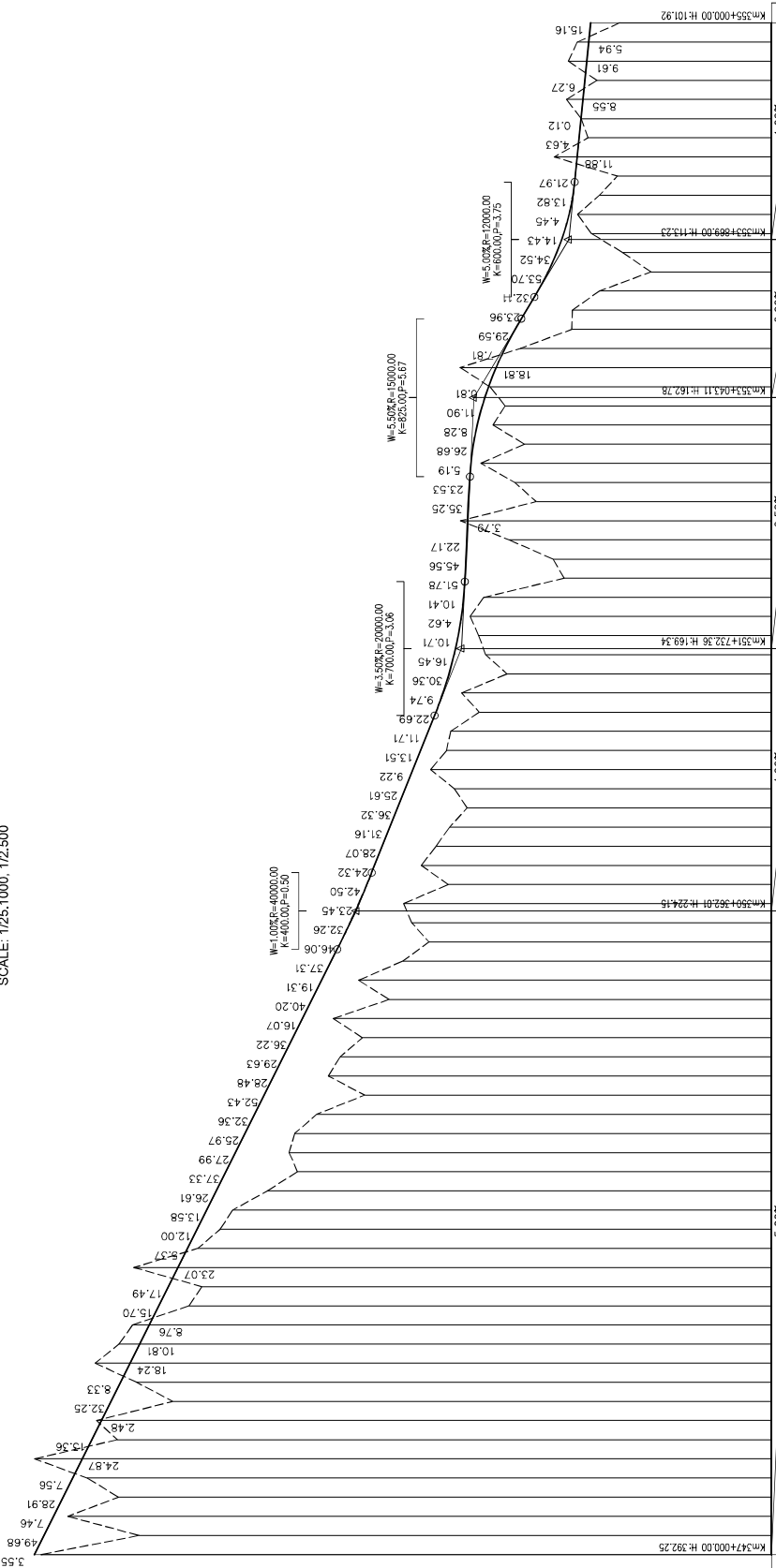


LAO PEOPLE'S DEMOCRATIC REPUBLIC		SHEET CONTENTS		PRE-F/S CORRIDOR		DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		JAPAN INTERNATIONAL COOPERATION AGENCY	
SOCIALIST REPUBLIC OF VIETNAM		PROFILE KM339+000 - KM347+000		SECTION D-1, E-1		ENHANCEMENT OF CONNECTIVITY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

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

HANOI

VIENTIANE



DESIGN GRADE (%)	DESIGN ELEVATION (M)	EXISTING ELEVATION (M)	DISTANCE (M)	CUMULATIVE DISTANCE (M)
7.50	392.25	377.25	100.00	100.00
5.00	388.70	377.25	100.00	200.00
5.00	377.25	377.25	100.00	300.00
5.00	374.79	377.25	100.00	400.00
5.00	374.79	377.25	100.00	500.00
5.00	374.79	377.25	100.00	600.00
5.00	374.79	377.25	100.00	700.00
5.00	374.79	377.25	100.00	800.00
5.00	374.79	377.25	100.00	900.00
5.00	374.79	377.25	100.00	1000.00
5.00	374.79	377.25	100.00	1100.00
5.00	374.79	377.25	100.00	1200.00
5.00	374.79	377.25	100.00	1300.00
5.00	374.79	377.25	100.00	1400.00
5.00	374.79	377.25	100.00	1500.00
5.00	374.79	377.25	100.00	1600.00
5.00	374.79	377.25	100.00	1700.00
5.00	374.79	377.25	100.00	1800.00
5.00	374.79	377.25	100.00	1900.00
5.00	374.79	377.25	100.00	2000.00
5.00	374.79	377.25	100.00	2100.00
5.00	374.79	377.25	100.00	2200.00
5.00	374.79	377.25	100.00	2300.00
5.00	374.79	377.25	100.00	2400.00
5.00	374.79	377.25	100.00	2500.00
5.00	374.79	377.25	100.00	2600.00
5.00	374.79	377.25	100.00	2700.00
5.00	374.79	377.25	100.00	2800.00
5.00	374.79	377.25	100.00	2900.00
5.00	374.79	377.25	100.00	3000.00
5.00	374.79	377.25	100.00	3100.00
5.00	374.79	377.25	100.00	3200.00
5.00	374.79	377.25	100.00	3300.00
5.00	374.79	377.25	100.00	3400.00
5.00	374.79	377.25	100.00	3500.00
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5.00	374.79	377.25	100.00	3800.00
5.00	374.79	377.25	100.00	3900.00
5.00	374.79	377.25	100.00	4000.00
5.00	374.79	377.25	100.00	4100.00
5.00	374.79	377.25	100.00	4200.00
5.00	374.79	377.25	100.00	4300.00
5.00	374.79	377.25	100.00	4400.00
5.00	374.79	377.25	100.00	4500.00
5.00	374.79	377.25	100.00	4600.00
5.00	374.79	377.25	100.00	4700.00
5.00	374.79	377.25	100.00	4800.00
5.00	374.79	377.25	100.00	4900.00
5.00	374.79	377.25	100.00	5000.00
5.00	374.79	377.25	100.00	5100.00
5.00	374.79	377.25	100.00	5200.00
5.00	374.79	377.25	100.00	5300.00
5.00	374.79	377.25	100.00	5400.00
5.00	374.79	377.25	100.00	5500.00
5.00	374.79	377.25	100.00	5600.00
5.00	374.79	377.25	100.00	5700.00
5.00	374.79	377.25	100.00	5800.00
5.00	374.79	377.25	100.00	5900.00
5.00	374.79	377.25	100.00	6000.00
5.00	374.79	377.25	100.00	6100.00
5.00	374.79	377.25	100.00	6200.00
5.00	374.79	377.25	100.00	6300.00
5.00	374.79	377.25	100.00	6400.00
5.00	374.79	377.25	100.00	6500.00
5.00	374.79	377.25	100.00	6600.00
5.00	374.79	377.25	100.00	6700.00
5.00	374.79	377.25	100.00	6800.00
5.00	374.79	377.25	100.00	6900.00
5.00	374.79	377.25	100.00	7000.00
5.00	374.79	377.25	100.00	7100.00
5.00	374.79	377.25	100.00	7200.00
5.00	374.79	377.25	100.00	7300.00
5.00	374.79	377.25	100.00	7400.00
5.00	374.79	377.25	100.00	7500.00
5.00	374.79	377.25	100.00	7600.00
5.00	374.79	377.25	100.00	7700.00
5.00	374.79	377.25	100.00	7800.00
5.00	374.79	377.25	100.00	7900.00
5.00	374.79	377.25	100.00	8000.00
5.00	374.79	377.25	100.00	8100.00
5.00	374.79	377.25	100.00	8200.00
5.00	374.79	377.25	100.00	8300.00
5.00	374.79	377.25	100.00	8400.00
5.00	374.79	377.25	100.00	8500.00
5.00	374.79	377.25	100.00	8600.00
5.00	374.79	377.25	100.00	8700.00
5.00	374.79	377.25	100.00	8800.00
5.00	374.79	377.25	100.00	8900.00
5.00	374.79	377.25	100.00	9000.00
5.00	374.79	377.25	100.00	9100.00
5.00	374.79	377.25	100.00	9200.00
5.00	374.79	377.25	100.00	9300.00
5.00	374.79	377.25	100.00	9400.00
5.00	374.79	377.25	100.00	9500.00
5.00	374.79	377.25	100.00	9600.00
5.00	374.79	377.25	100.00	9700.00
5.00	374.79	377.25	100.00	9800.00
5.00	374.79	377.25	100.00	9900.00
5.00	374.79	377.25	100.00	10000.00

SAMPLE LINE NAME	STATIONS	CURTIVE
	KM347+000.00 H: 392.25	
	KM351+362.81 H: 224.16	
	KM351+722.38 H: 169.34	
	KM353+068.00 H: 113.23	
	KM353+000.00 H: 101.92	

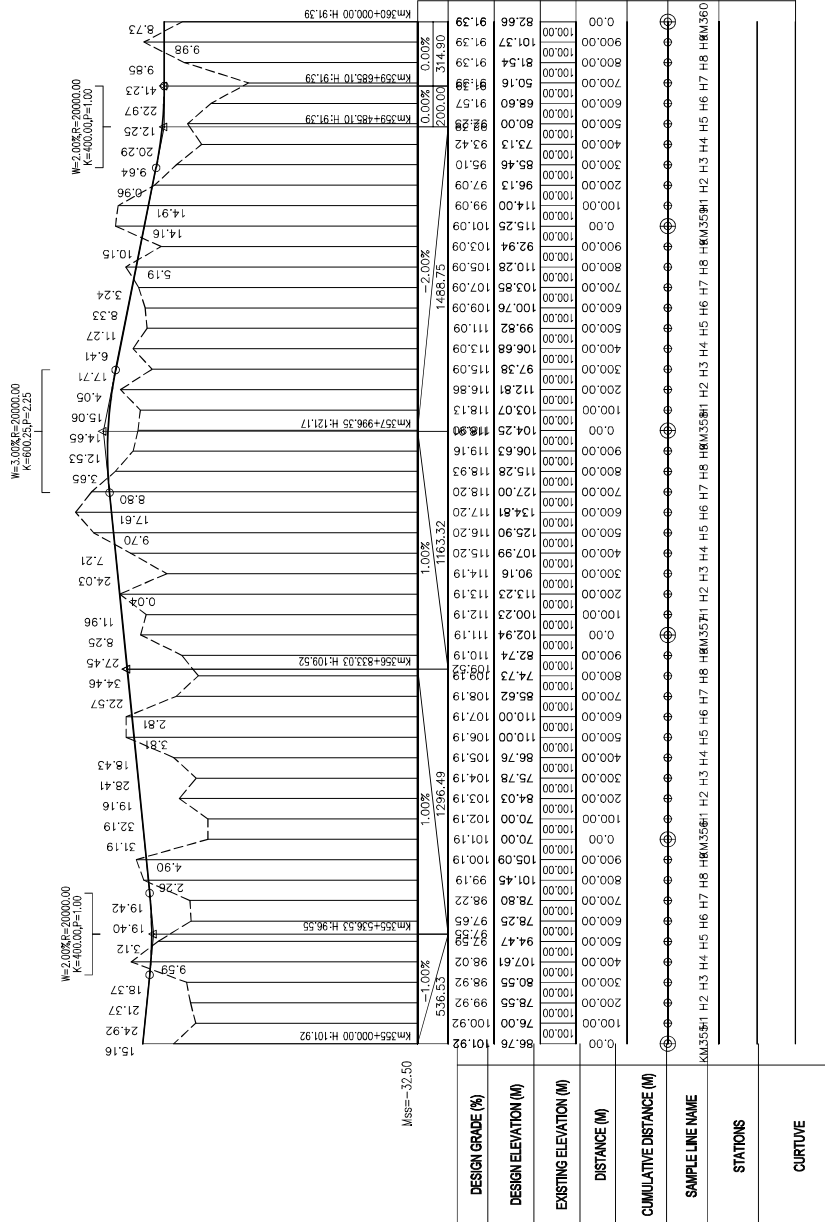
LAO PEOPLE'S DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA		SHEET CONTENTS		SCALE	1/25,000, 1/2,500
	PRE-F/S CORRIDOR		PROFILE		DATE	MAR 2018
SECTION E-1		KM347+000 - KM355+000		PAGE NO.	15 / 17	
 JAPAN INTERNATIONAL 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



LAO PEOPLE'S DEMOCRATIC REPUBLIC	SOCIALIST REPUBLIC OF VIETNAM	JAPAN INTERNATIONAL COOPERATION AGENCY		DATA COLLECTION SURVEY FOR		PRE-F/S CORRIDOR		SHEET CONTENTS	
		Yachiyo Engineering Co., Ltd.	NIPPON KOEI	Enhancement of Connectivity	Between Hanoi and Vientiane in Asia	Profile	KM355+000 - KM360+000	Scale	1/25,000, 1/2,500
		Pasco Corporation				SECTION E-1		Date	MAR 2018
		Central Consultant Inc.						Page No.	16 / 17

C. PLAN & PROFILE OF NH8 CORRIDOR

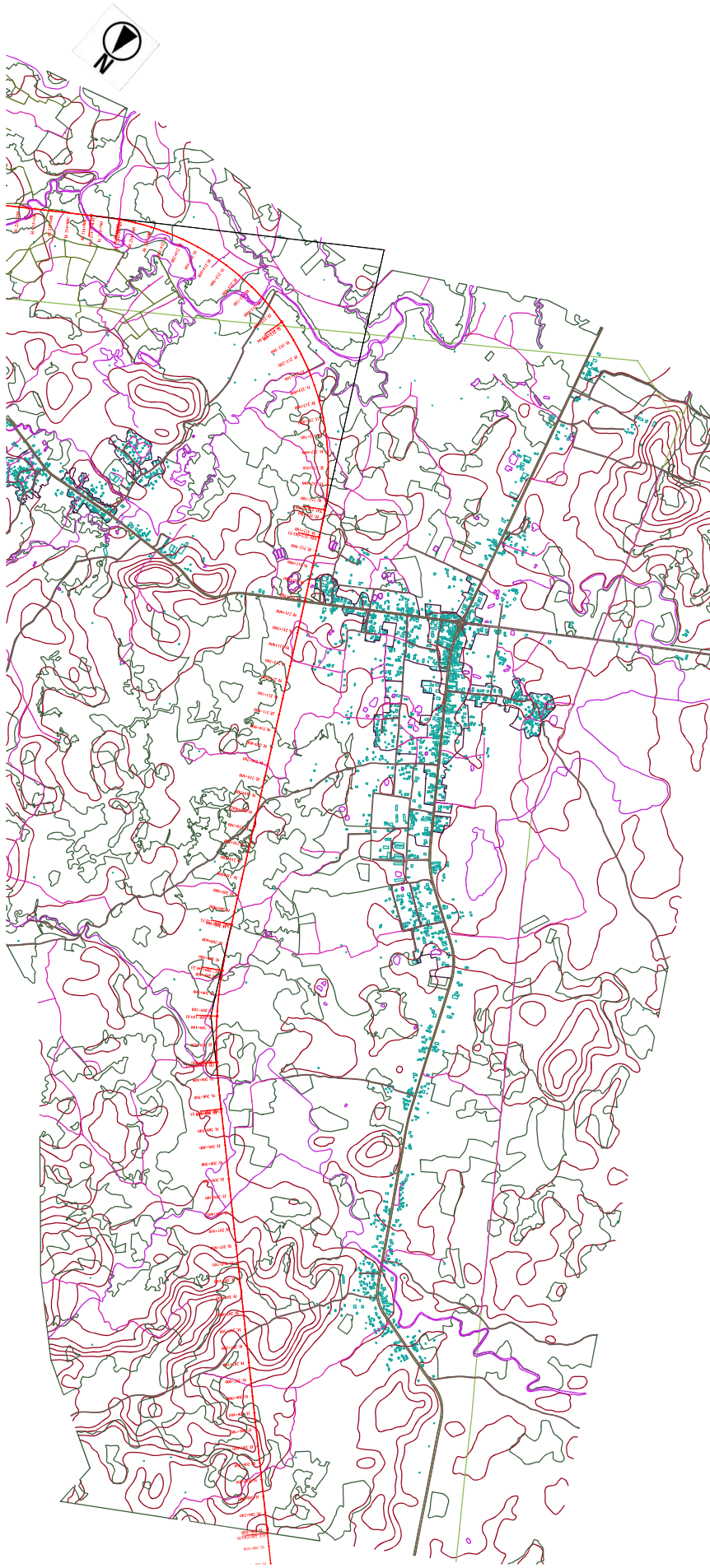
Section 1: Bypass at NH13/NH8 Intersection

Section 2: Khoun Ngeun Tunnel, Na Hin Tunnel

Section 3: Bypass at Nam Phao/Cau Treo Border

VIENTIANE

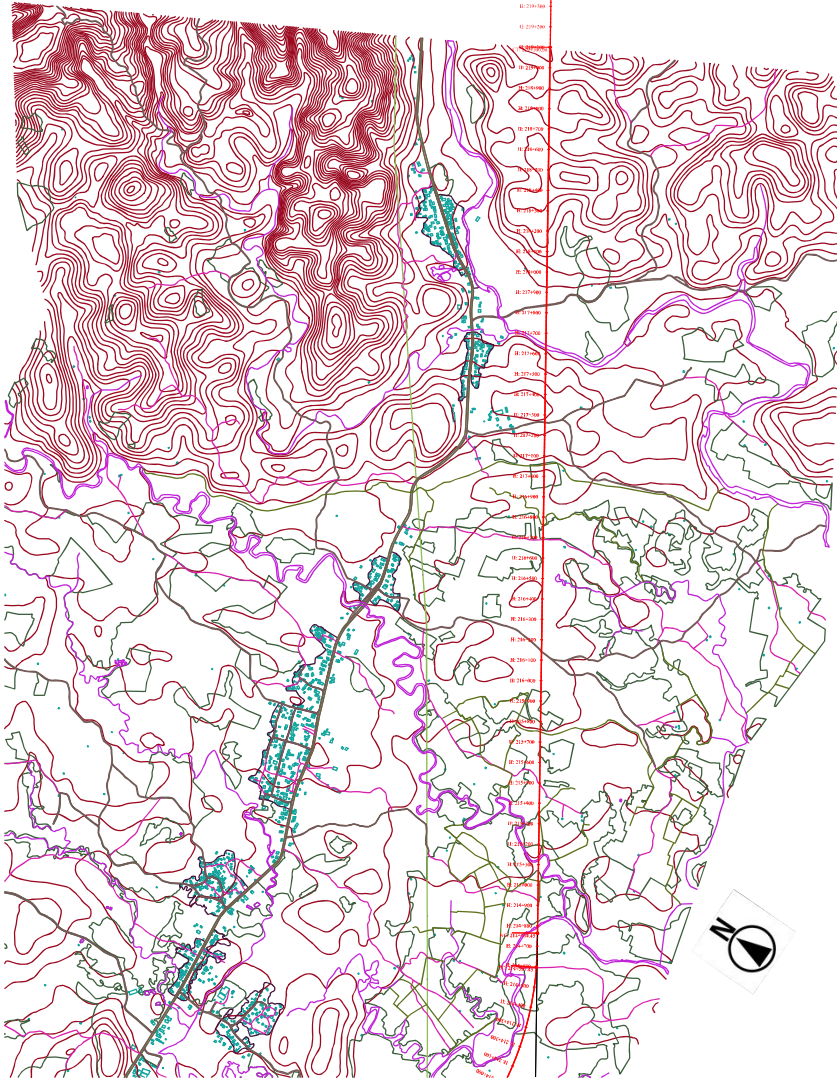
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LAO PEOPLES DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	<p>JAPAN INTERNATIONAL COOPERATION AGENCY Yachyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. PASCO Central Consultant Inc. Pasco Corporation</p>	DATA COLLECTION SURVEY FOR ENHANCEMENT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

VIENTIANE

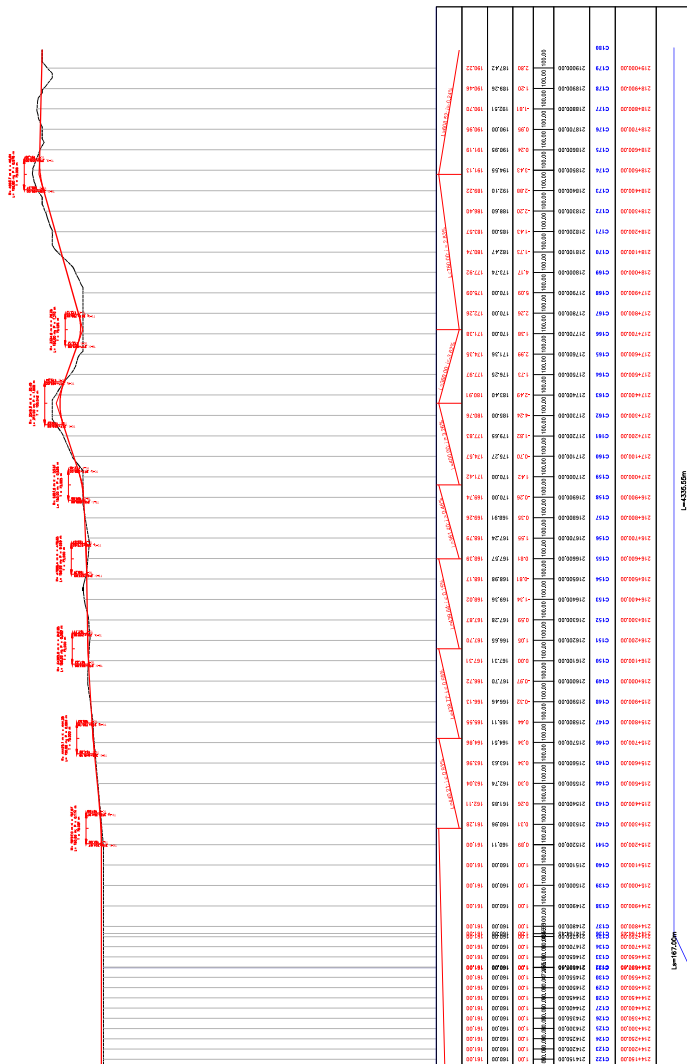
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LAO PEOPLES DEMOCRATIC REPUBLIC SOCIALIST REPUBLIC OF VIETNAM	<p>JAPAN INTERNATIONAL COOPERATION AGENCY Yachyo Engineering Co., Ltd. NIPPON KOEI Nippon Koei Co., Ltd. CENTRAL Central Consultant Inc. PASCO Pasco Corporation</p>	Study on NH8 Corridor	SHEET CONTENTS	SCALE	1:25,000
		SECTION 1		PLAN (2/2)	DATE
				PAGE NO.	/

VIENTIANE

HA NOI



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	DATA COLLECTION SURVEY FOR ENHANCEMENT OF CONNECTIVITY BETWEEN HANOI AND VIENTIANE IN ASIA	Study on NH8 Corridor SECTION 1	SHEET CONTENTS	
				PROFILE (2/2)	
				SCALE	1:25,000
				DATE	MAR 2018
				PAGE NO.	/