

APPENDIX 15

***CENTRAL MINDANAO HIGHWAY
(CAGAYAN DE ORO –MALAYBALAY)***

15.1 DRAWING

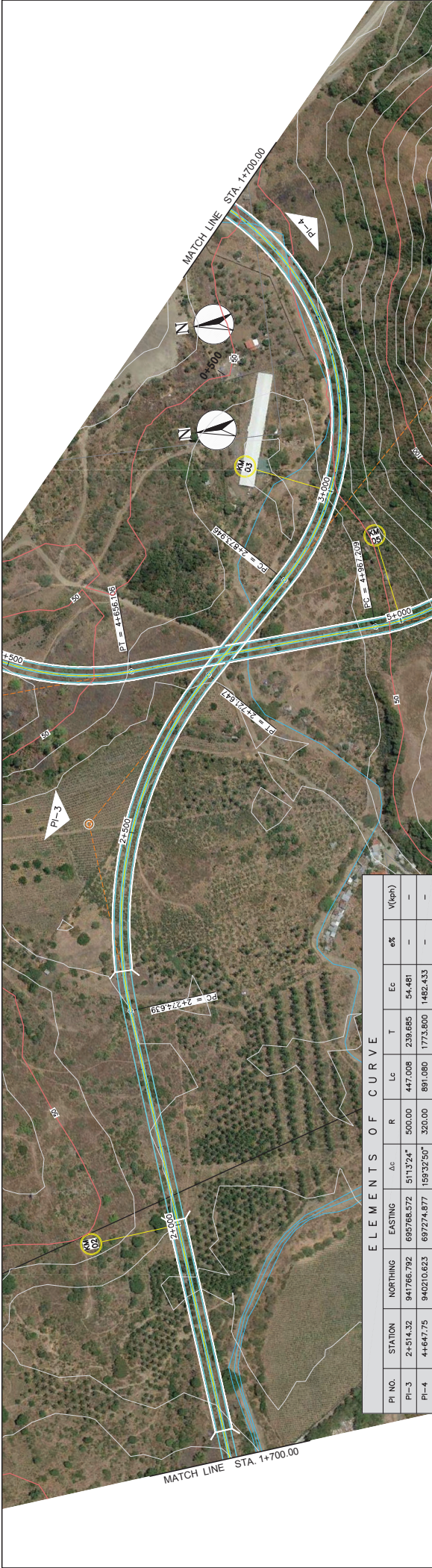
JICA-ASSISTED STUDY OF MASTER PLAN ON HIGH STANDARD HIGHWAY NETWORK DEVELOPMENT, PHASE 2

PRE-FEASIBILITY STUDY OF CENTRAL MINDANAO HIGHWAY (CDO-Malaybalay Section)

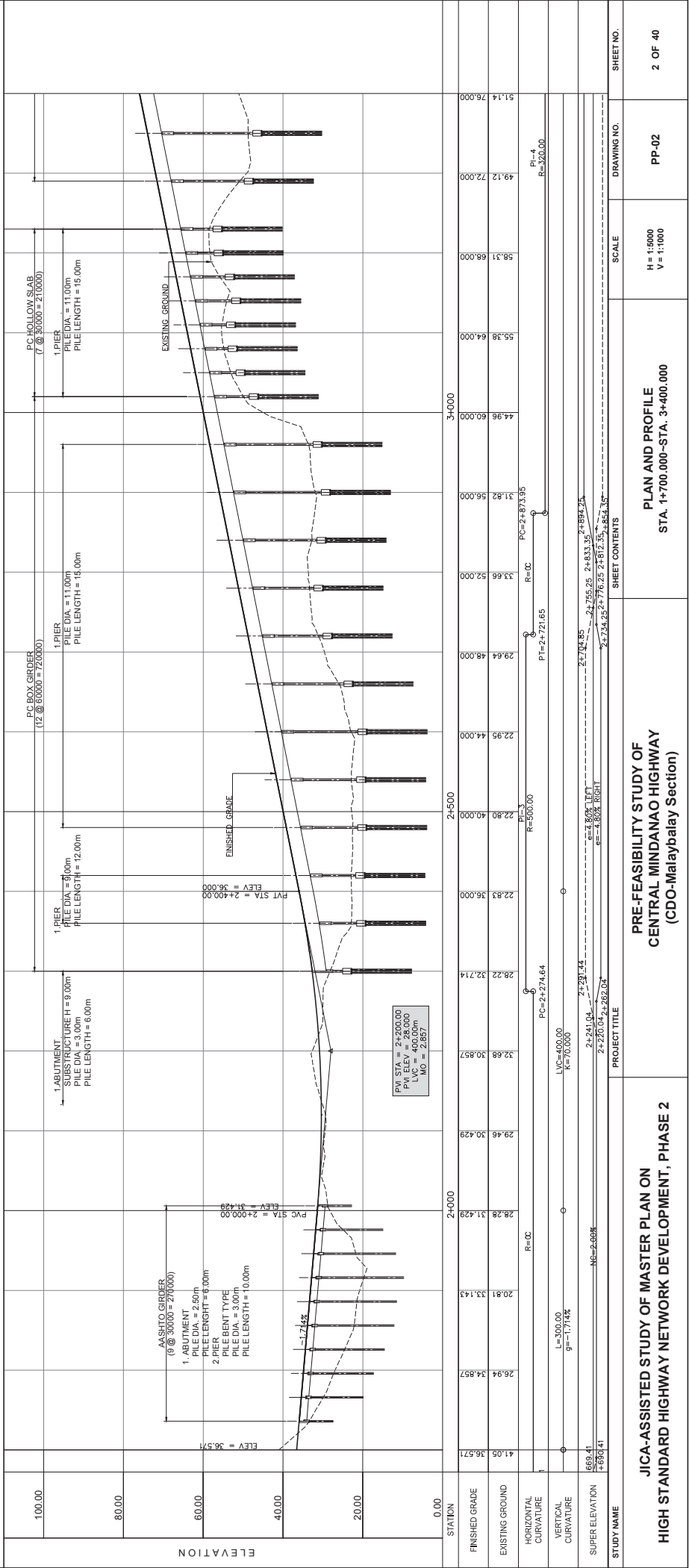
FINAL DRAWINGS

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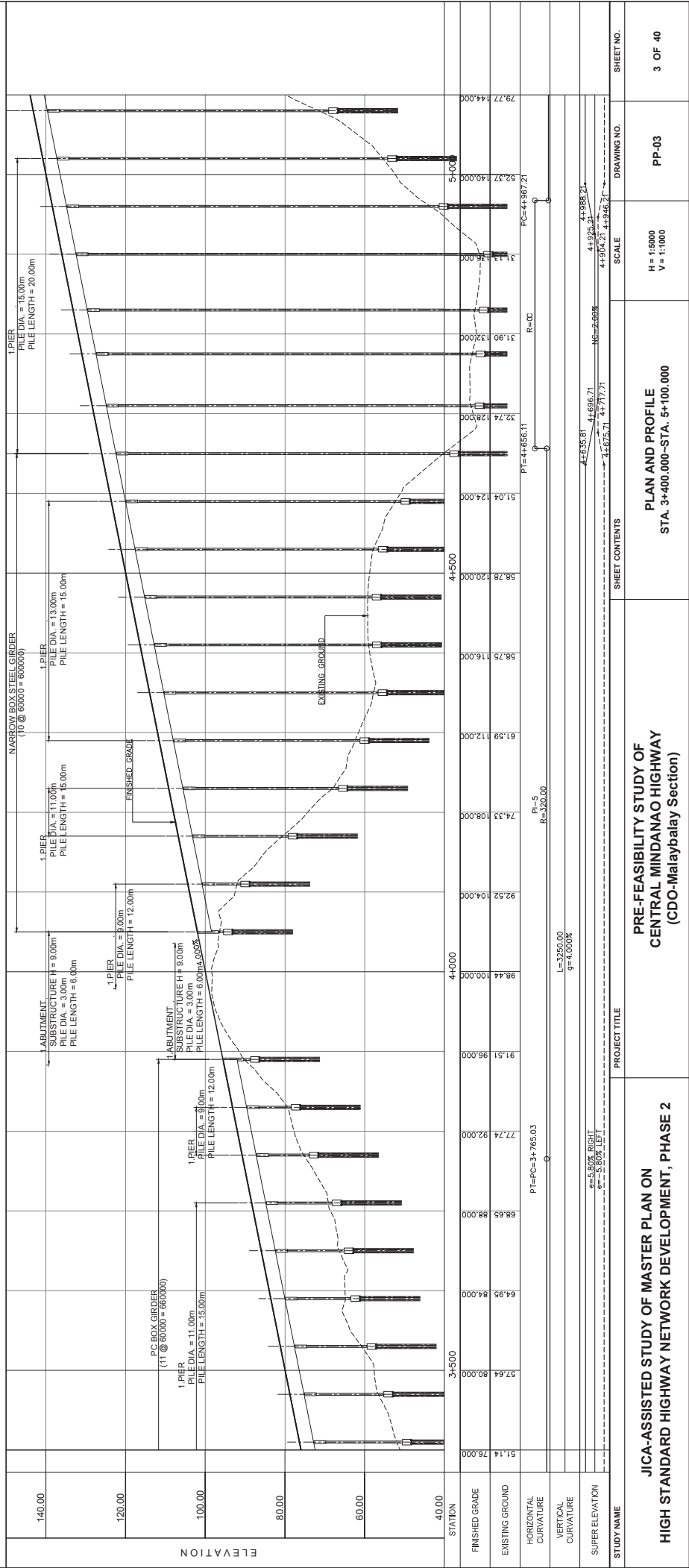
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DRAWING NO.	TITLE OF DRAWING	SHEET NO.	DRAWING NO.	TITLE OF DRAWING	SHEET NO.	DRAWING NO.	TITLE OF DRAWING
GE-01 GE-02	A. GENERAL INDEX OF DRAWINGS LOCATION MAP AND KEY MAP	1 OF 2 2 OF 2		C. TYPICAL SECTIONS TYPICAL ROADWAY SECTIONS AND PAVEMENT DETAILS TYPICAL ROADWAY SECTIONS TYPICAL CUT AND FILL SECTION TYPICAL ROADWAY SECTIONS TYPICAL HIGH FILL AND HIGH CUT SECTION TYPICAL BRIDGE SECTIONS	1 OF 4 2 OF 4 3 OF 4 4 OF 4		
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PP-01 PP-02 PP-03 PP-04 PP-05 PP-06 PP-07 PP-08 PP-09 PP-10 PP-11 PP-12 PP-13 PP-14 PP-15 PP-16 PP-17 PP-18 PP-19 PP-20 PP-21 PP-22 PP-23 PP-24 PP-25 PP-26 PP-27 PP-28 PP-29 PP-30 PP-31 PP-32 PP-33 PP-34 PP-35 PP-36 PP-37 PP-38 PP-39 PP-40			TS-01 TS-02 TS-03 TS-04 BR-01 BR-02 PP-01 PP-02 PP-03 PP-04 PP-05 PP-06 PP-07 PP-08 PP-09 PP-10 PP-11 PP-12 PP-13 PP-14 PP-15 PP-16 PP-17 PP-18 PP-19 PP-20 PP-21 PP-22 PP-23 PP-24 PP-25 PP-26 PP-27	E. INTERCHANGES INTERCHANGE 1 LAYOUT PLAN INTERCHANGE 1 PLAN AND PROFILE, RAMP A INTERCHANGE 1 PLAN AND PROFILE, RAMP B AND C INTERCHANGE 1 PLAN AND PROFILE, RAMP D AND E INTERCHANGE 2 LAYOUT PLAN INTERCHANGE 2 PLAN AND PROFILE, RAMP A AND B INTERCHANGE 2 PLAN AND PROFILE, RAMP C AND D INTERCHANGE 2 PLAN AND PROFILE, RAMP E INTERCHANGE 2 ELEMENTS OF CURVES INTERCHANGE 3 LAYOUT PLAN INTERCHANGE 3 PLAN AND PROFILE, RAMP A INTERCHANGE 3 PLAN AND PROFILE, RAMP B INTERCHANGE 3 PLAN AND PROFILE, RAMP C INTERCHANGE 3 PLAN AND PROFILE, RAMP D INTERCHANGE 4 LAYOUT PLAN INTERCHANGE 4 PLAN AND PROFILE, RAMP A AND B INTERCHANGE 4 PLAN AND PROFILE, RAMP C AND D INTERCHANGE 4 PLAN AND PROFILE, RAMP E INTERCHANGE 4 ELEMENTS OF CURVES INTERCHANGE 5 LAYOUT PLAN INTERCHANGE 5 PLAN AND PROFILE, RAMP A INTERCHANGE 5 PLAN AND PROFILE, RAMP B AND C INTERCHANGE 5 PLAN AND PROFILE, RAMP D AND E INTERCHANGE 5 ELEMENTS OF CURVES INTERCHANGE 6 LAYOUT PLAN INTERCHANGE 6 PLAN AND PROFILE, RAMP A INTERCHANGE 6 PLAN AND PROFILE, RAMP B AND C	1 OF 27 2 OF 27 3 OF 27 4 OF 27 5 OF 27 6 OF 27 7 OF 27 8 OF 27 9 OF 27 10 OF 27 11 OF 27 12 OF 27 13 OF 27 14 OF 27 15 OF 27 16 OF 27 17 OF 27 18 OF 27 19 OF 27 20 OF 27 21 OF 27 22 OF 27 23 OF 27 24 OF 27 25 OF 27 26 OF 27 27 OF 27		
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JICA-ASSISTED STUDY OF MASTER PLAN ON HIGH STANDARD HIGHWAY NETWORK DEVELOPMENT, PHASE 2		PRE-FEASIBILITY STUDY OF CENTRAL MINDANAO HIGHWAY (CDO-Malaybalay Section)		INDEX OF DRAWINGS		N. T. S.	
						DRAWING NO.	
						SHEET NO.	
						1 OF 2	

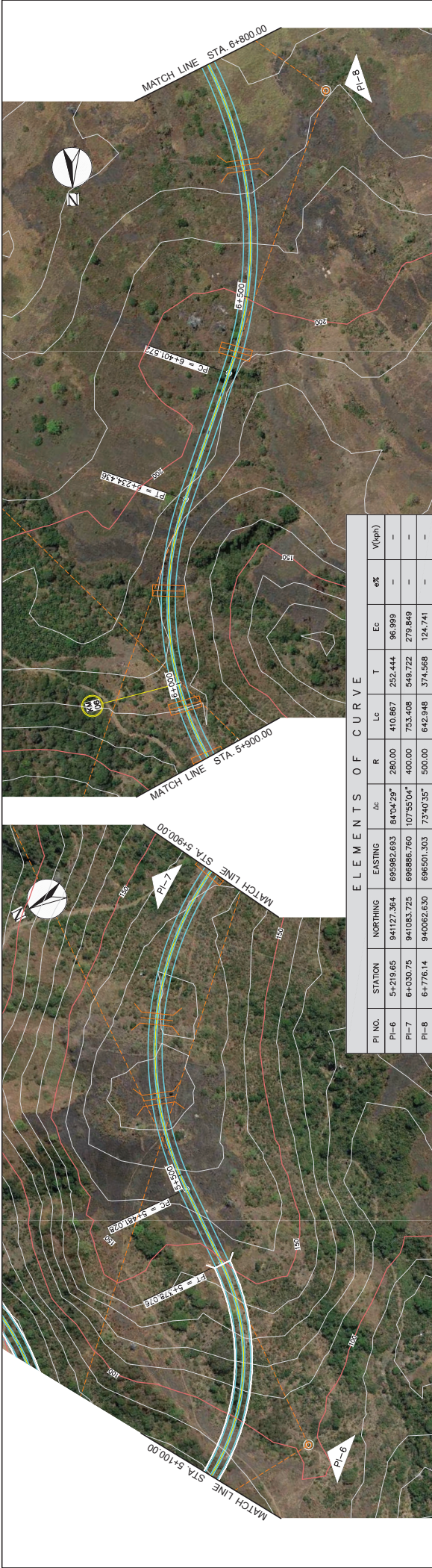


ELEMENTS OF CURVE									
PI NO.	STATION	NORTHING	EASTING	Δc	R	Lc	T	Ec	$e\%$
PI-3	2+514.32	94766.792	695768.572	51°13'24"	500.00	447.008	239.685	54.481	-
PI-4	4+647.75	940210.623	697274.877	159°32'50"	320.00	891.080	1773.800	1482.433	-

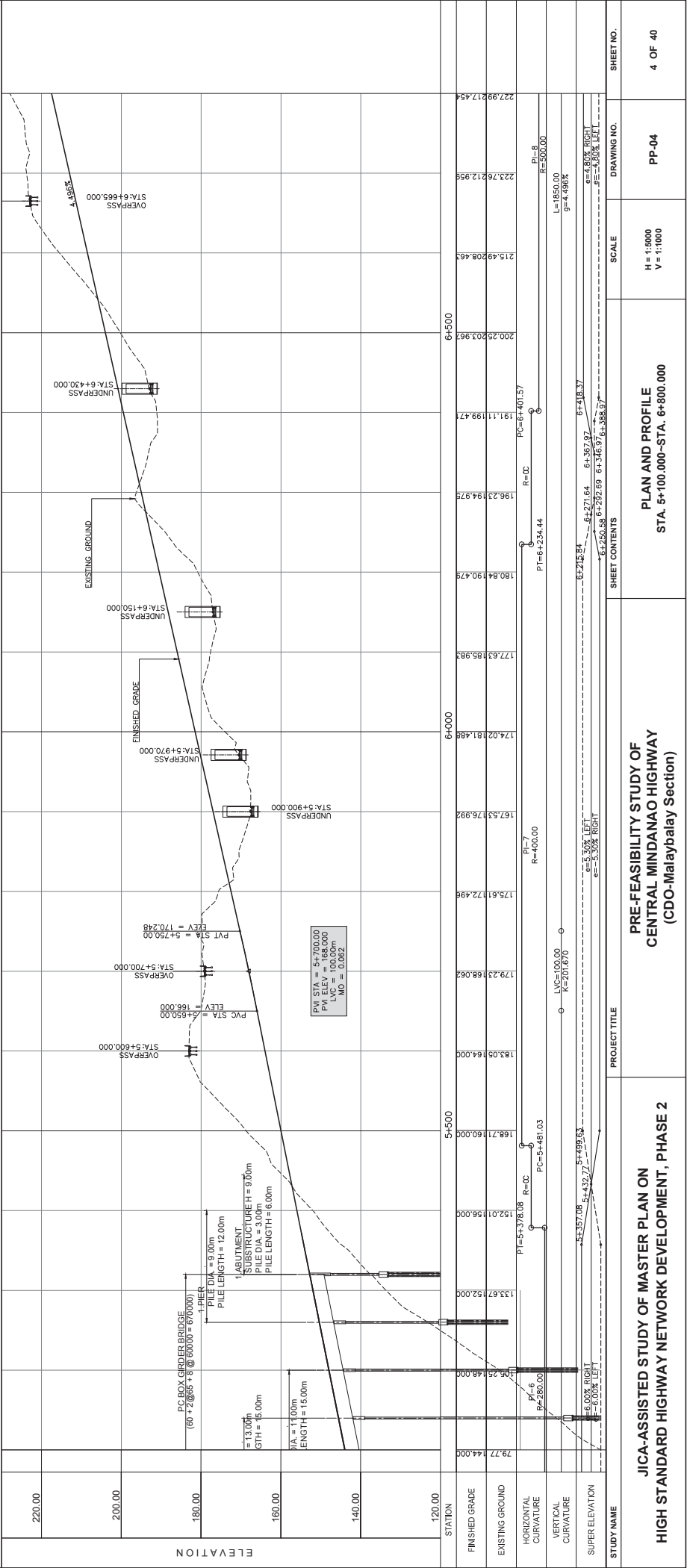


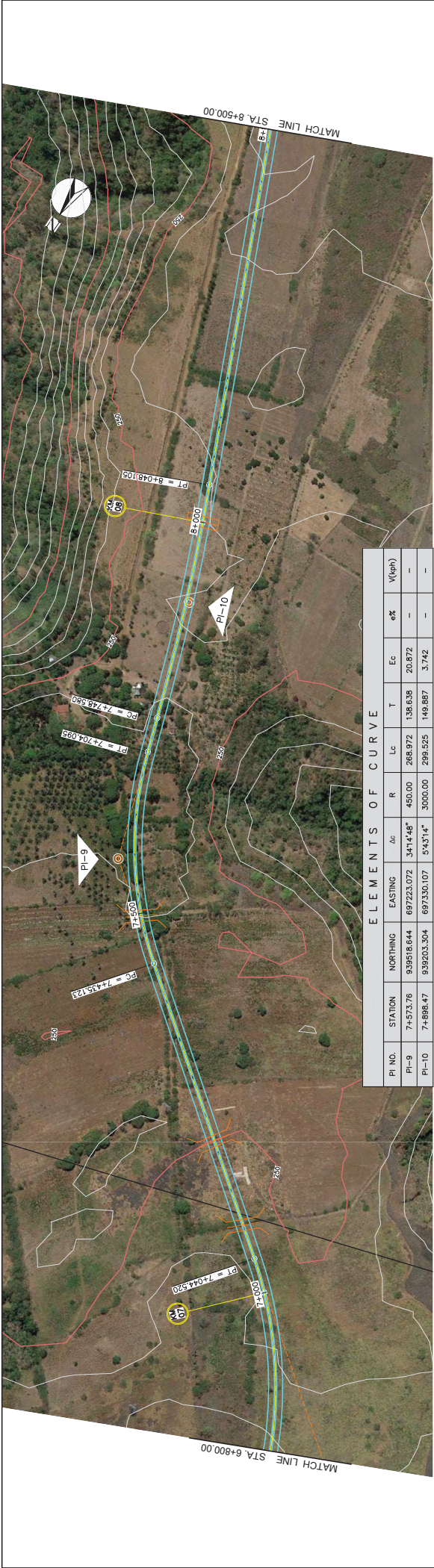
ELEMENTS OF CURVE										
PI NO.	STATION	NORTHING	EASTING	Δc	R	Lc	T	Ec	e%	V(kph)
PI-5	5+538.83	943.461153	696953.780	159°32'50"	320.00	891.080	1773.800	1482.433	-	-



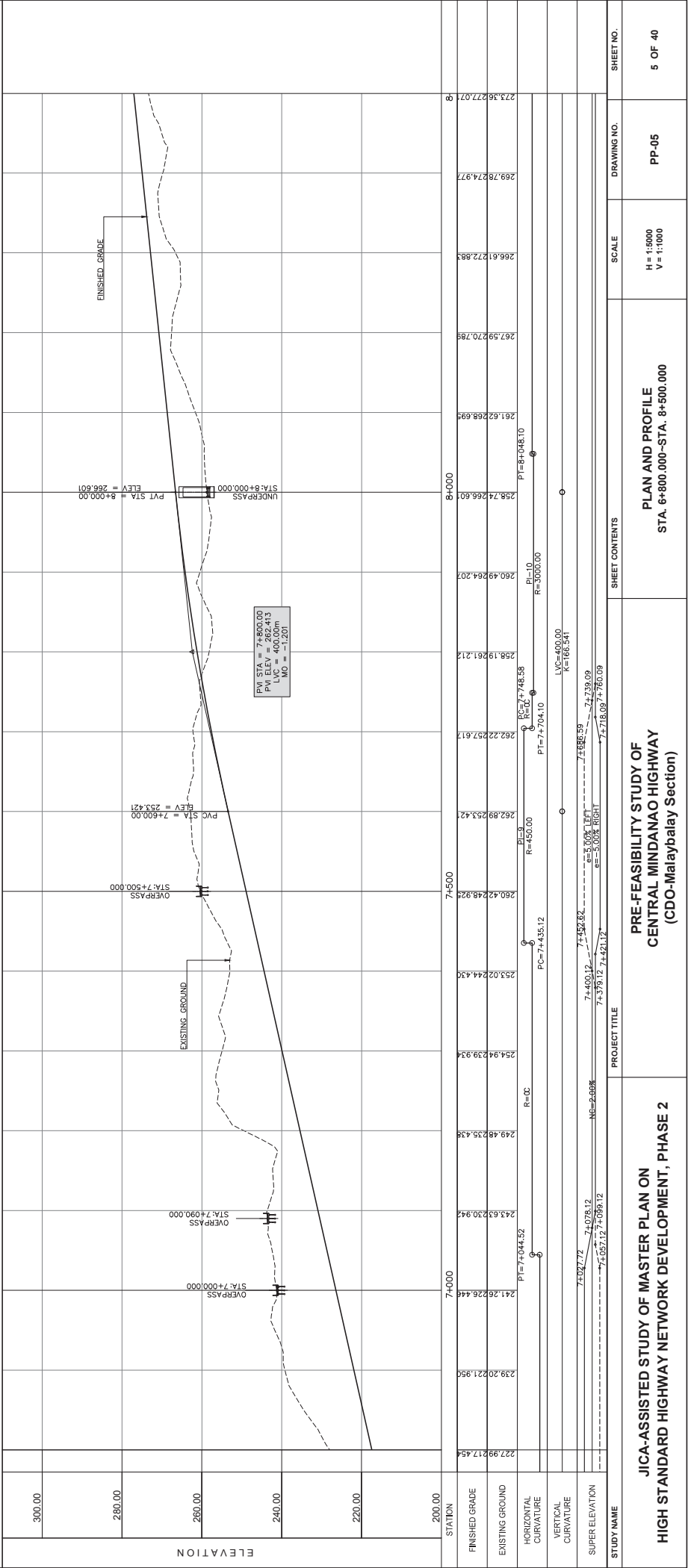


ELEMENTS OF CURVE									
PI NO.	STATION	NORTHING	EASTING	$\Delta\alpha$	R	Lc	T	Ec	V(±h)
PI-6	5+218.65	94127.364	695982.693	84°04'29"	280.00	410.887	252.444	96.999	-
PI-7	6+030.75	941083.725	696886.760	107°55'04"	400.00	753.408	549.722	279.849	-
PI-8	6+776.14	940062.630	696501.303	73°40'35"	500.00	642.948	374.568	124.741	-



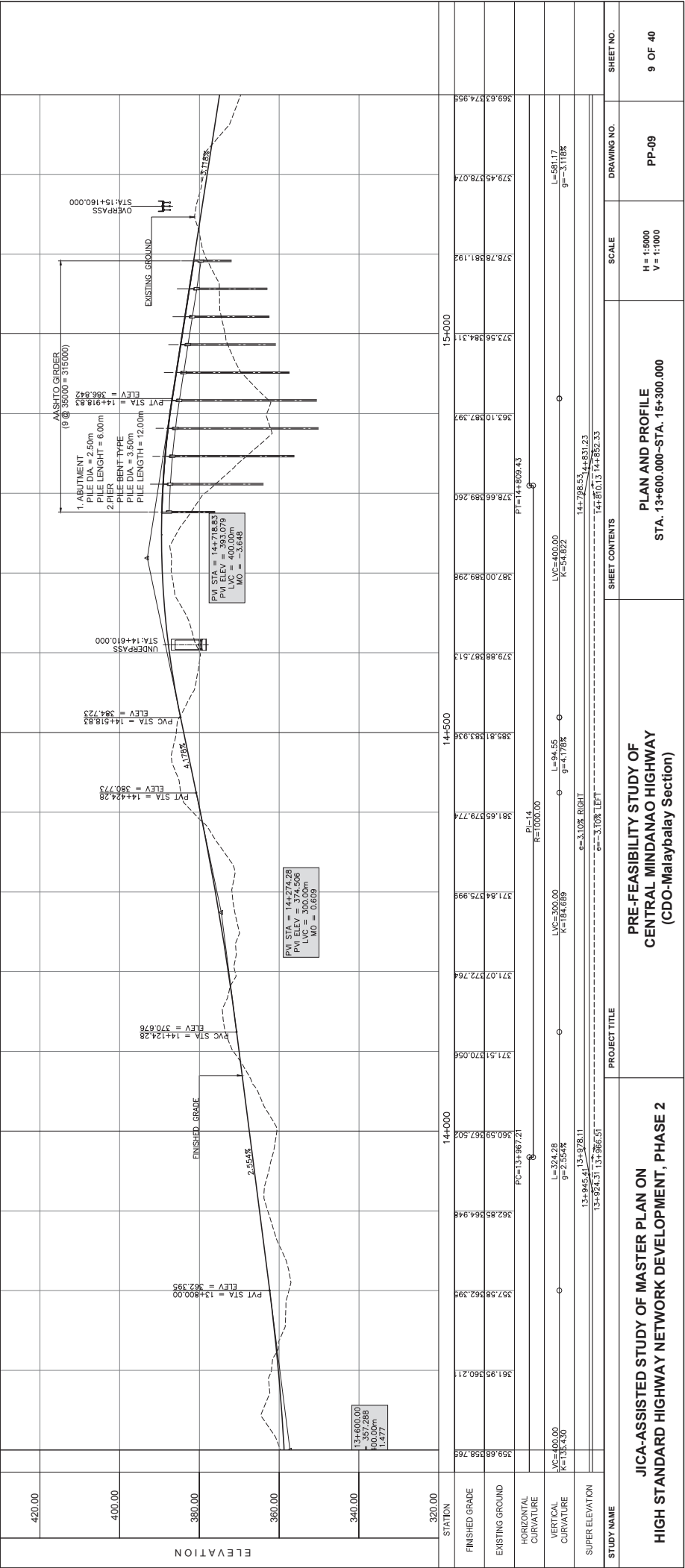
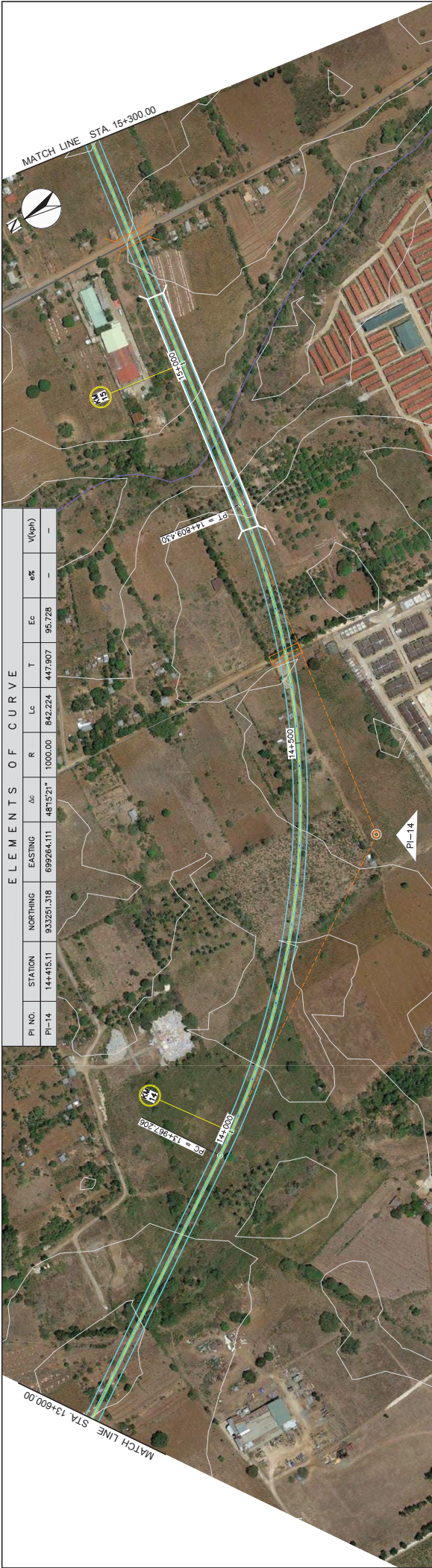


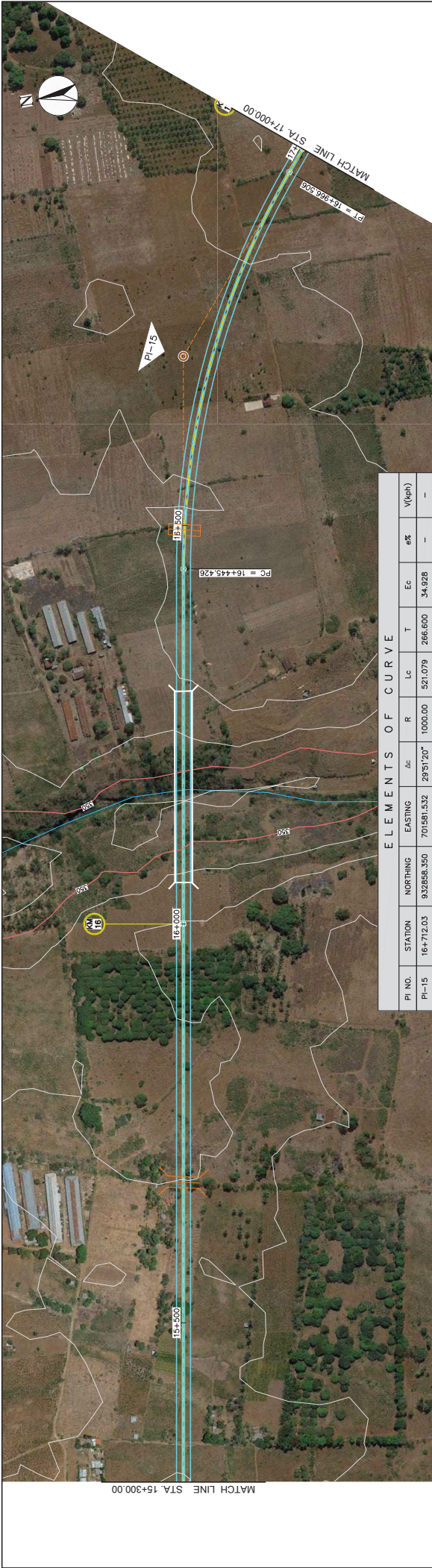
ELEMENTS OF CURVE										
PI NO.	STATION	NORTHING	EASTING	ΔC	R	Lc	T	Ec	e%	V(veh)
PI-9	7+573.76	939518.644	697223.072	54°14'48"	450.00	268.972	138.638	20.872	-	-
PI-10	7+898.47	939203.304	697330.107	54°31'4"	3000.00	299.525	149.887	3.742	-	-



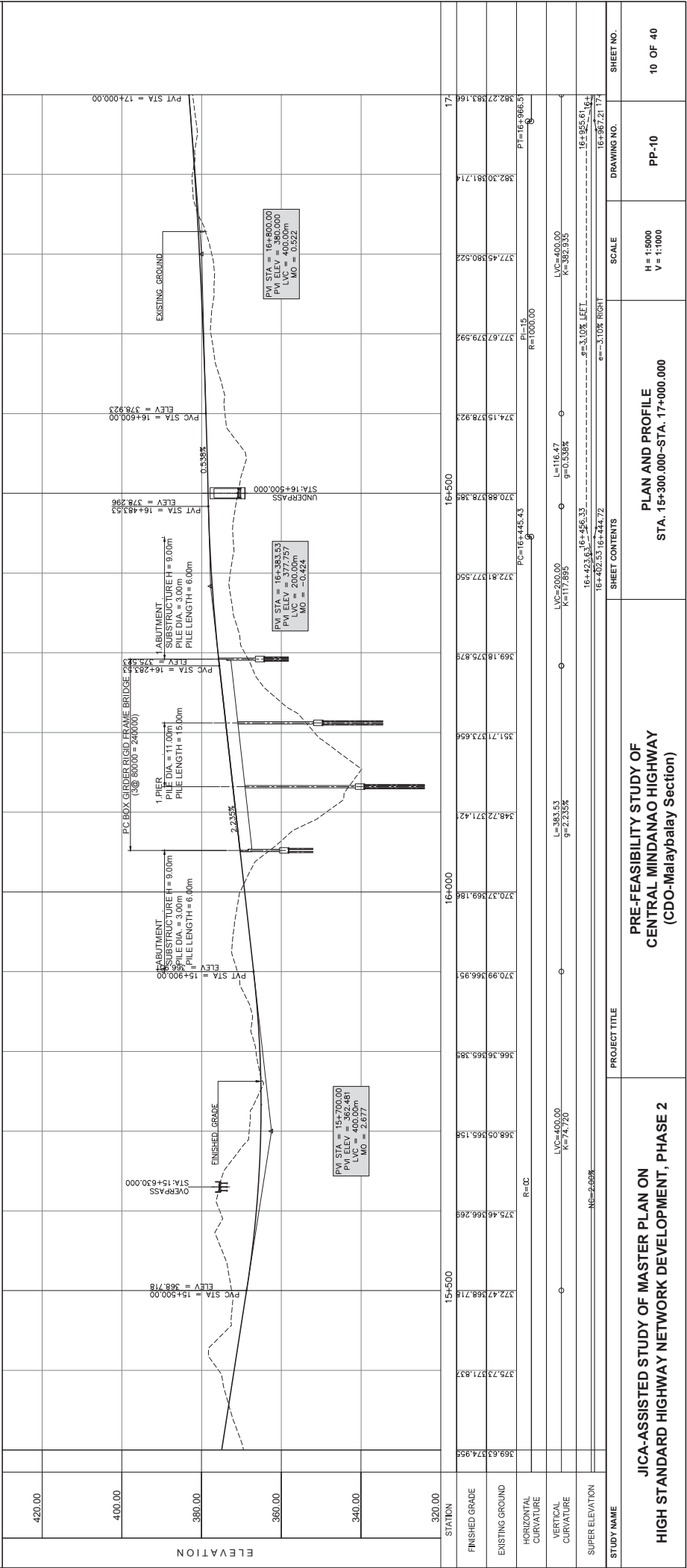


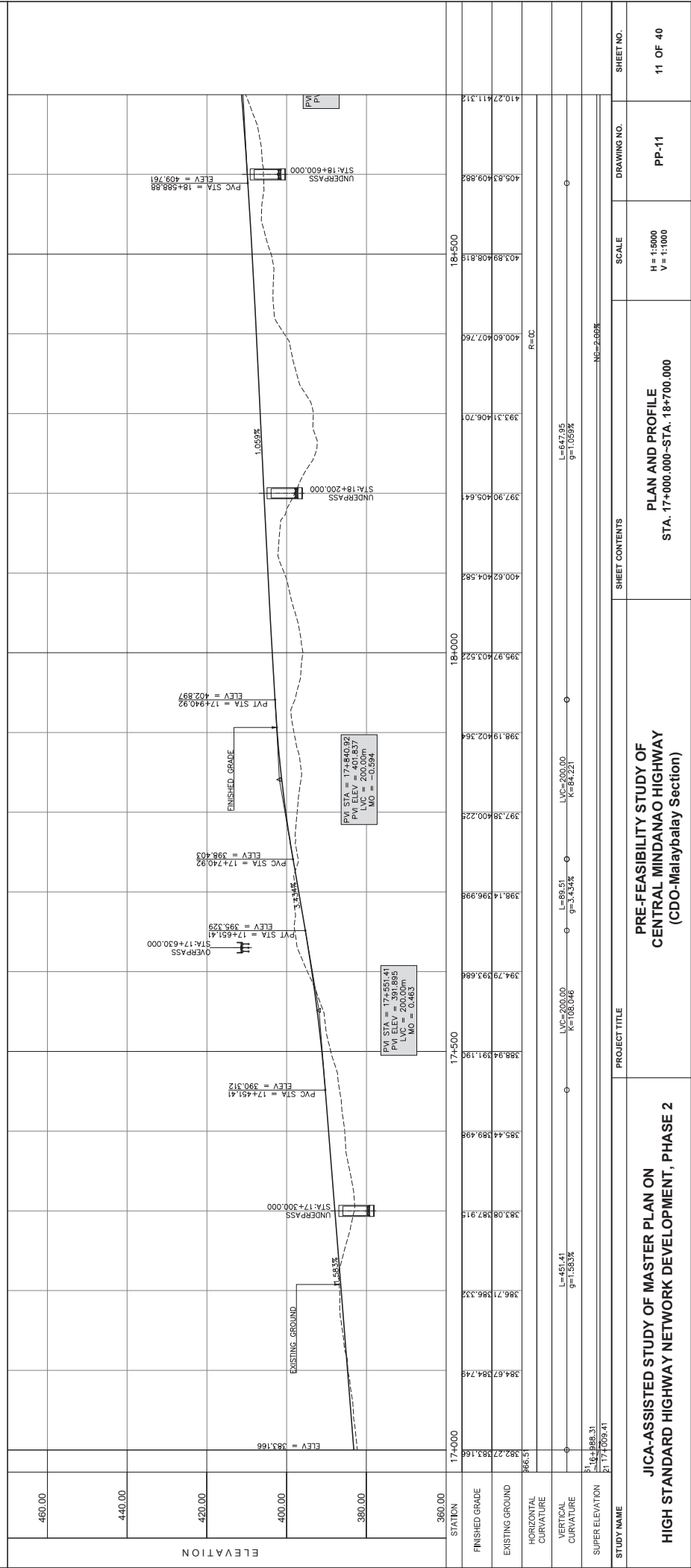
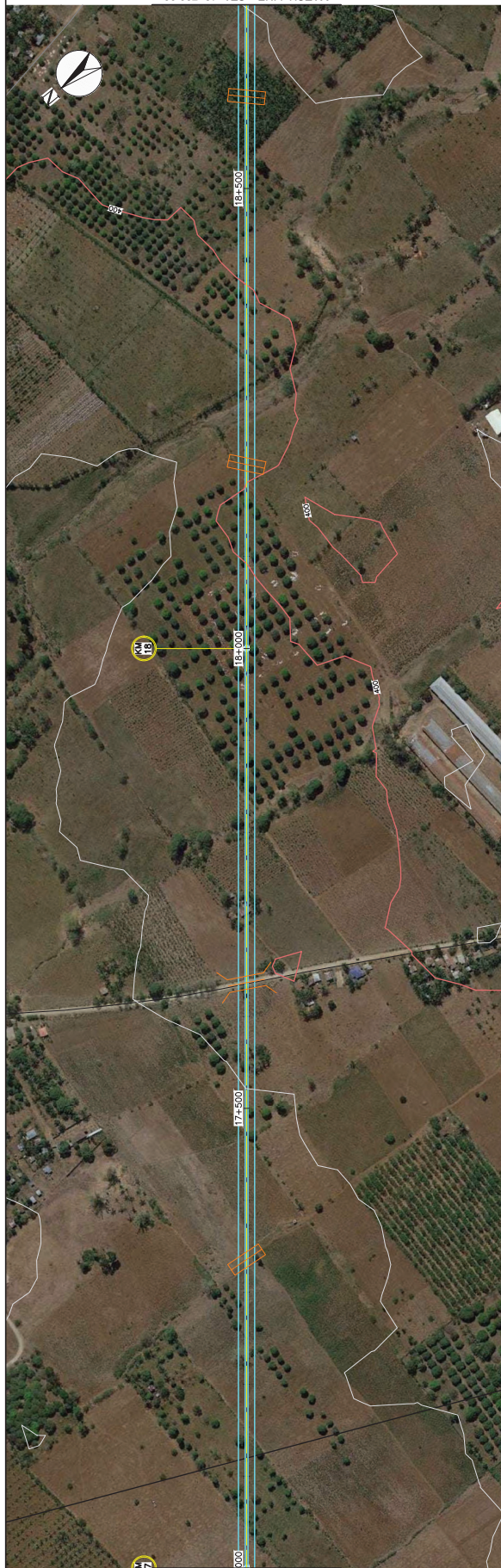
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JICA-ASSISTED STUDY OF MASTER PLAN ON HIGH STANDARD HIGHWAY NETWORK DEVELOPMENT, PHASE 2		PRE-FEASIBILITY STUDY OF CENTRAL MINDANAO HIGHWAY (CDO-Malaybalay Section)		PLAN AND PROFILE STA. 11+900.000-STA. 13+600.000		PP-08		8 OF 40	

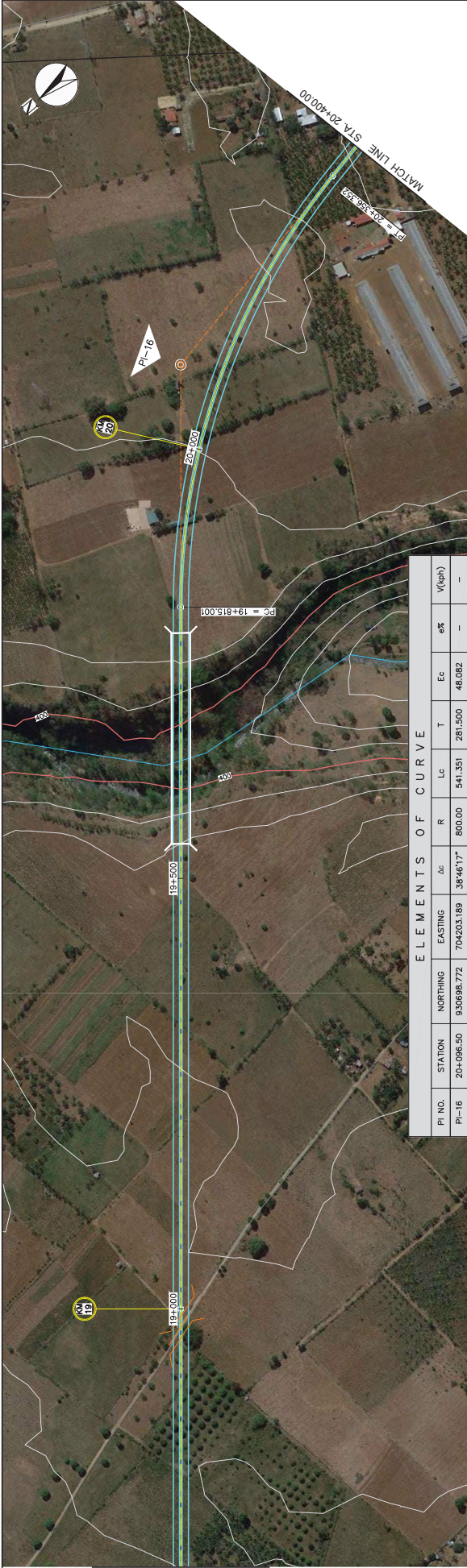




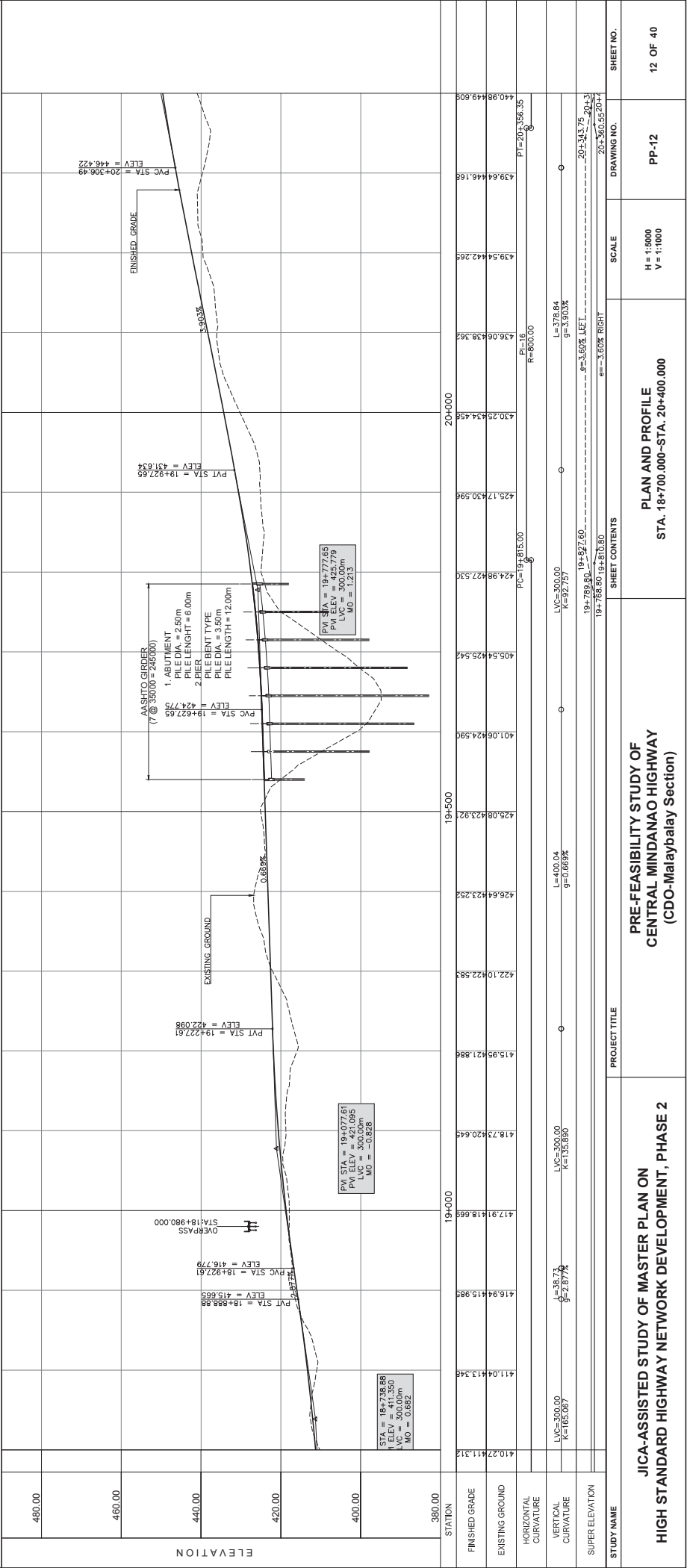
ELEMENTS OF CURVE									
PI NO.	STATION	NORTHING	EASTING	$\Delta\phi$	R	Lc	T	Ec	V(eph)
PI-15	16+712.03	932858.350	701981.532	29°51'20"	1000.00	521.079	266.600	34.928	-

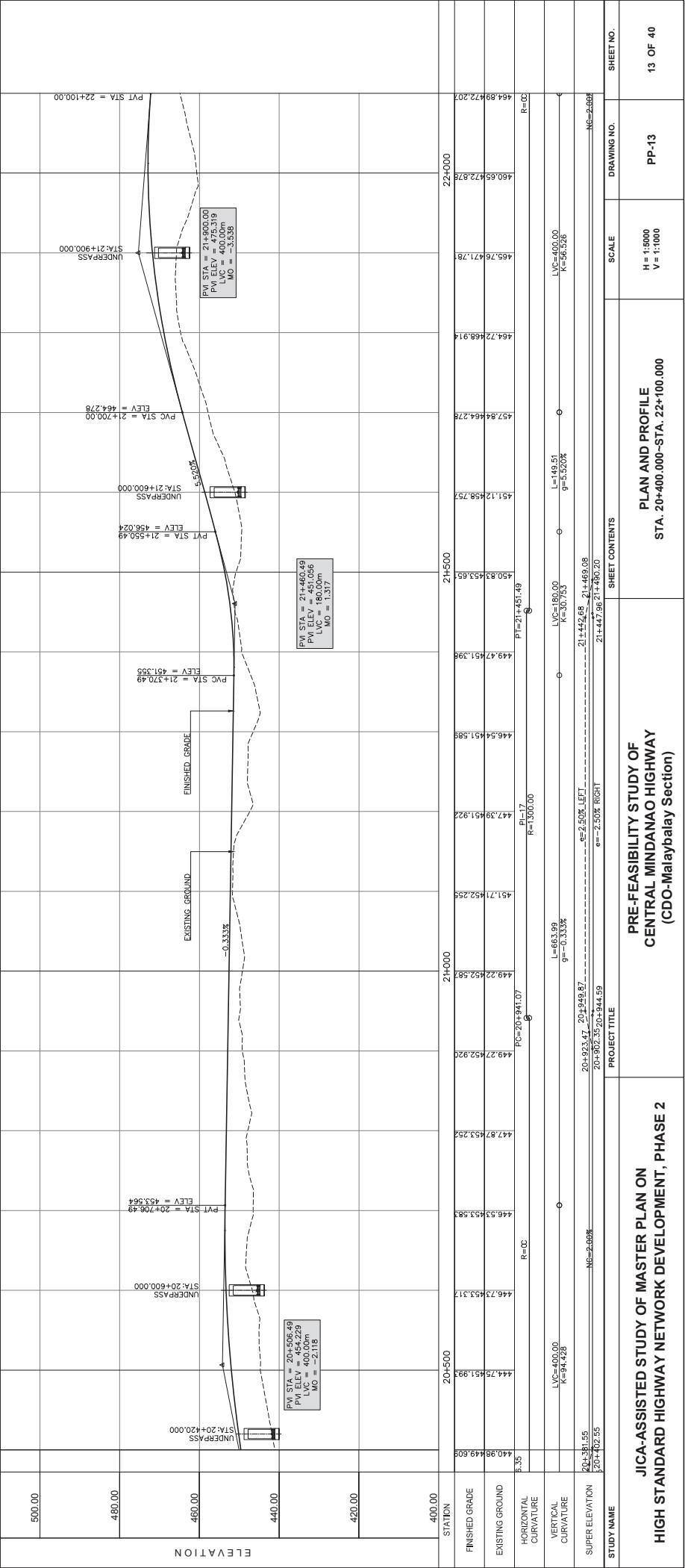
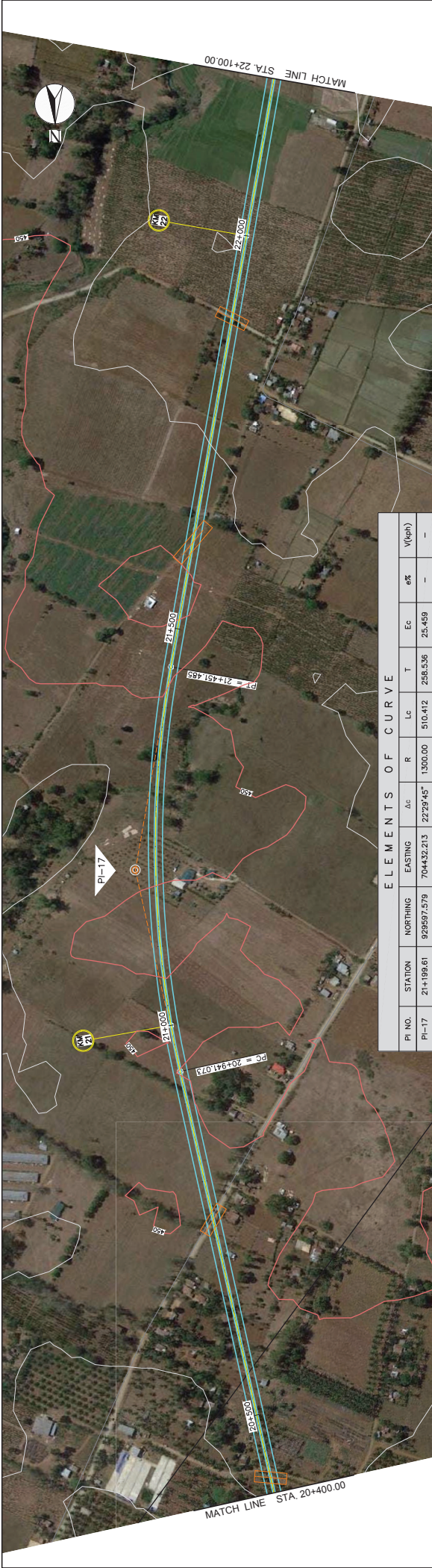


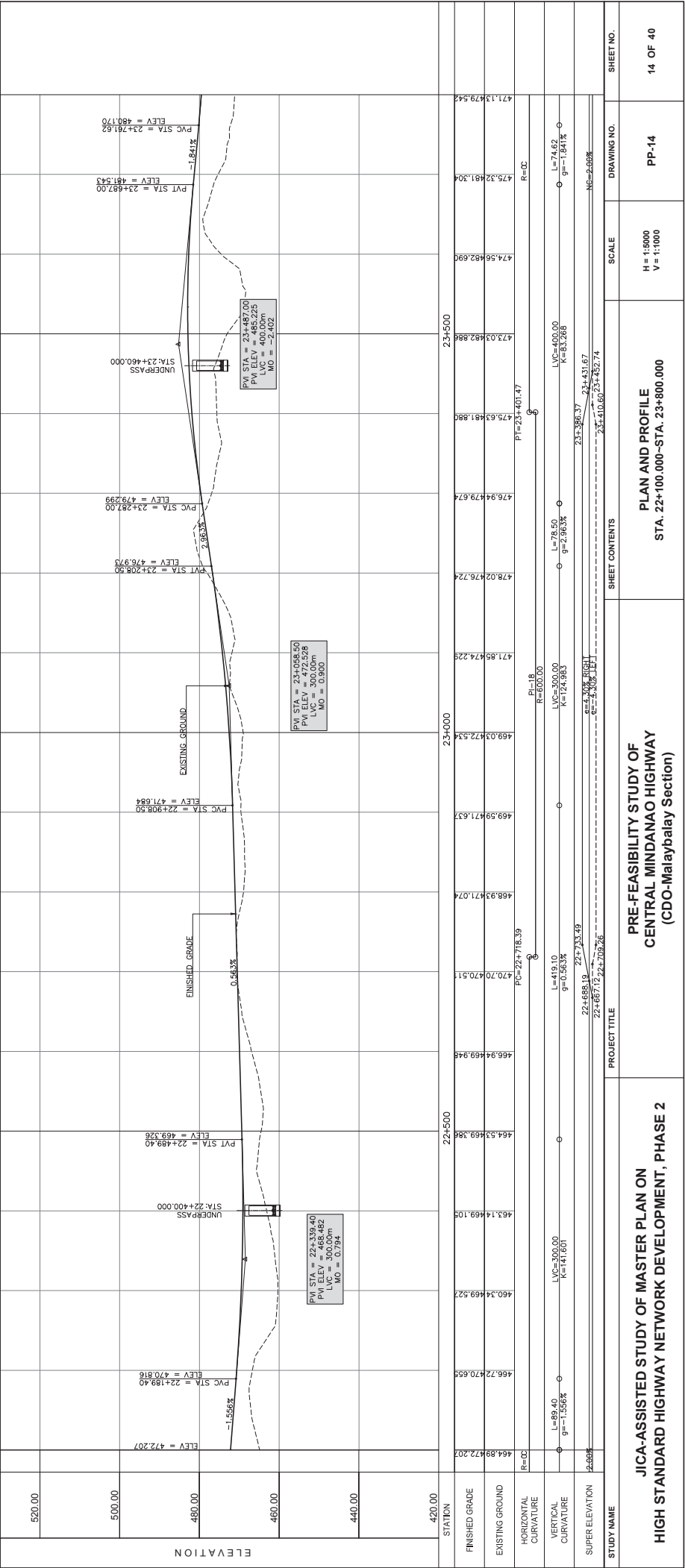
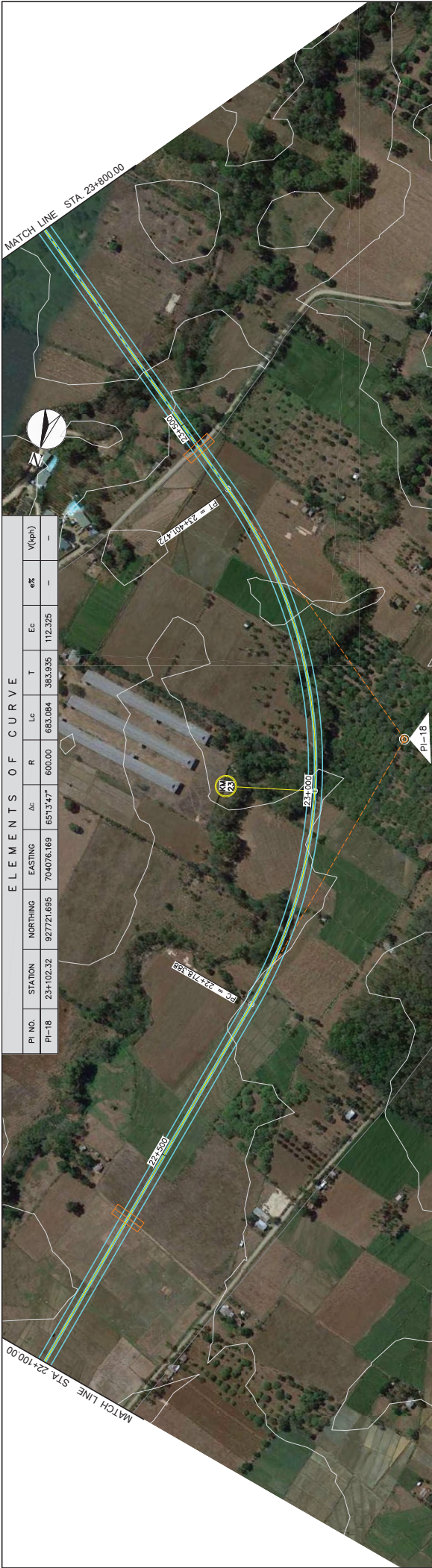




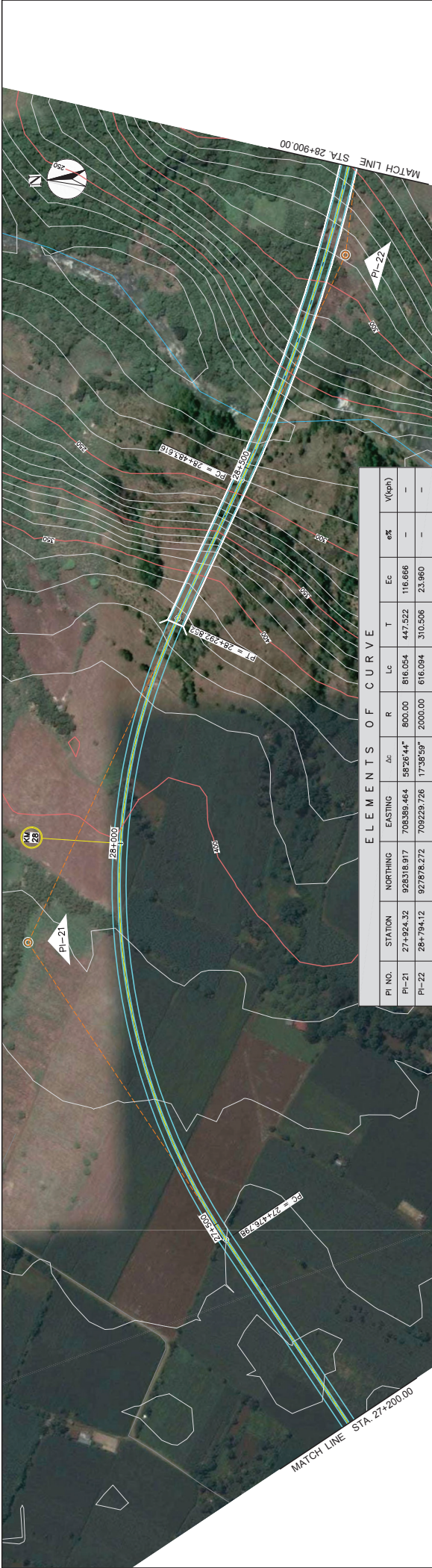
ELEMENTS OF CURVE									
PI NO.	STATION	NORTHING	EASTING	$\Delta\phi$	R	Lc	T	Ec	V(kph)
PI-16	20+096.50	930698.772	704203.189	38°46'17"	800.00	541.351	281.500	48.082	—



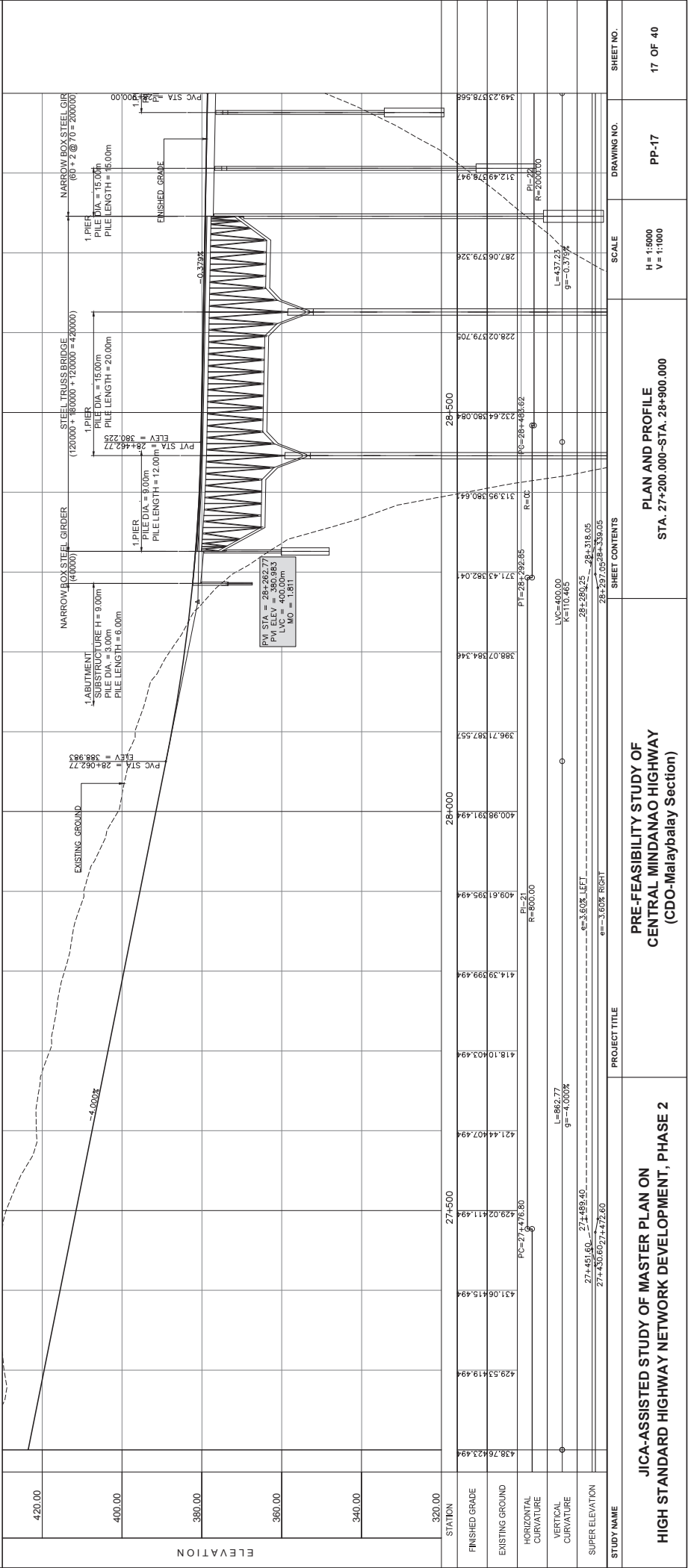




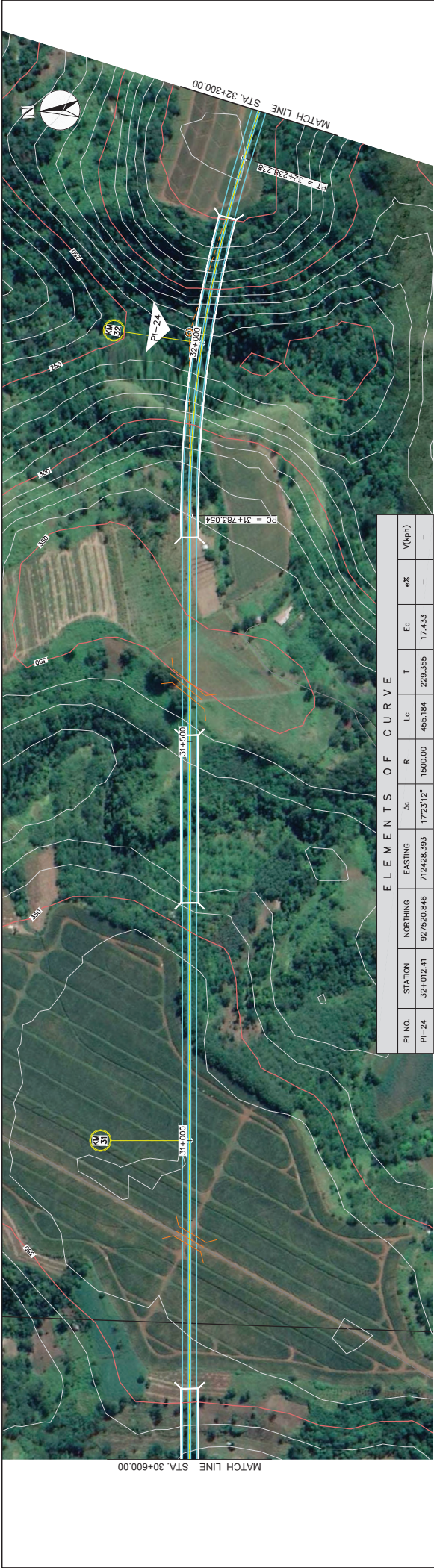
[illegible]



ELEMENTS OF CURVE									
PI NO.	STATION	NORTHING	EASTING	Δ_c	R	Lc	T	E_c	$V(pkn)$
PI-21	27+924.32	928318.917	708369.464	58°26'44"	800.00	816.054	447.522	116.666	-
PI-22	28+794.12	927878.272	709223.726	17°58'59"	2000.00	616.094	310.506	23.960	-



STUDY NAME		PROJECT TITLE		SHEET CONTENTS		SCALE		DRAWING NO.		SHEET NO.	
JICA-ASSISTED STUDY OF MASTER PLAN ON HIGH STANDARD HIGHWAY NETWORK DEVELOPMENT, PHASE 2		PRE-FEASIBILITY STUDY OF CENTRAL MINDANAO HIGHWAY (CDO-Malaybalay Section)		28+270.00-STA. 28+900.00		H=1:5000 V=1:1000		PP-17		17 OF 40	



ELEMENTS OF CURVE									
PI NO.	STATION	NORTHING	EASTING	Δ_c	R	Lc	T	Ec	V(kph)
PI-24	32+012.41	927520.846	712428.393	17231°12"	1500.00	455.184	229.355	17.433	—

