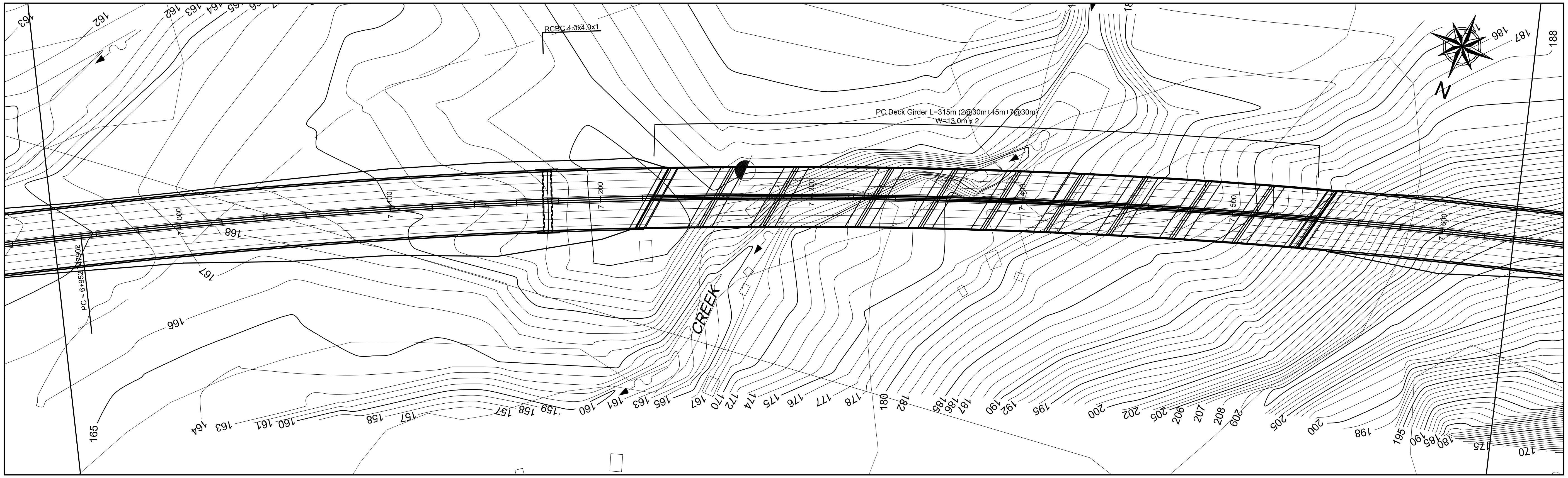
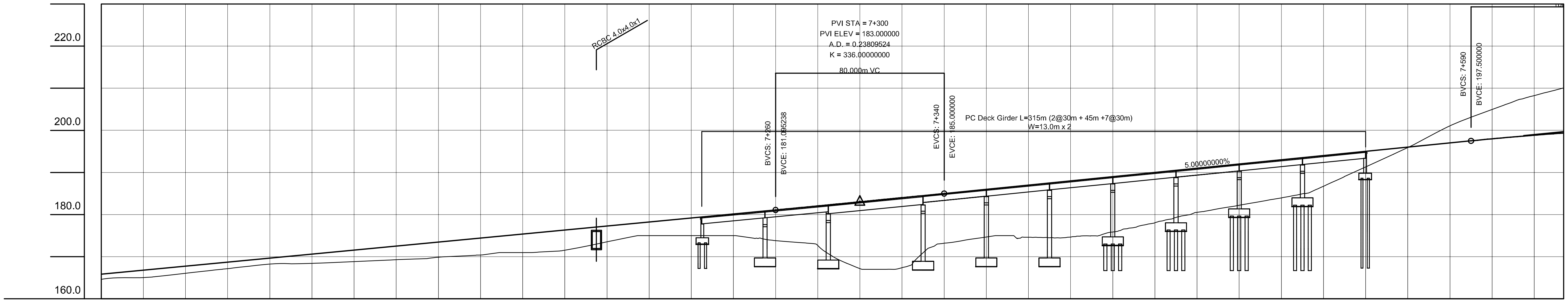




GRADE: 4.762% — 183.000 — 5.000% — 200.000

STATION	PROPOSED HEIGHT	GROUND HEIGHT
6+940	165.857	164.63
6+960	166.810	165.06
6+980	167.762	166.07
7+000	168.714	167.18
7+020	169.667	168.25
7+040	170.619	168.43
7+060	171.571	168.84
7+080	172.524	169.29
7+100	173.476	169.88
7+120	174.429	170.42
7+140	175.381	171.00
7+160	176.333	171.55
7+180	177.286	173.53
7+200	178.238	175.00
7+220	179.190	175.00
7+240	180.143	175.00
7+260	181.095	173.82
7+280	182.054	172.67
7+300	183.024	167.19
7+320	184.006	167.40
7+340	185.000	173.20
7+360	186.000	174.68
7+380	187.000	174.61
7+400	188.000	174.68
7+420	189.000	175.86
7+440	190.000	178.06
7+460	191.000	180.54
7+480	192.000	182.21
7+500	193.000	183.96
7+520	194.000	186.72
7+540	195.000	191.30
7+560	196.000	195.92
7+580	197.000	201.07
7+590	197.500	
7+600	197.982	204.96
7+620	198.839	208.25

CURVE ELEMENT: R=00, L=1450.058; R=3000.000, L=2787.203

JAPAN INTERNATIONAL COOPERATION AGENCY | ALMEC CORPORATION

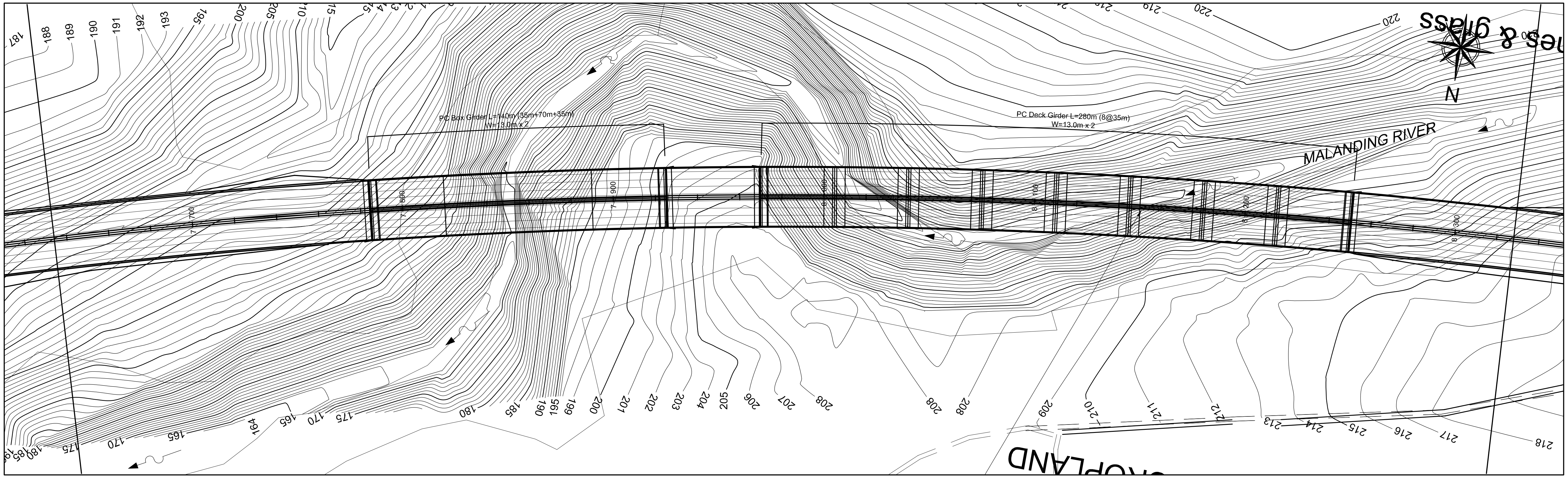
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS | NIPPON KOEI CO., LTD.

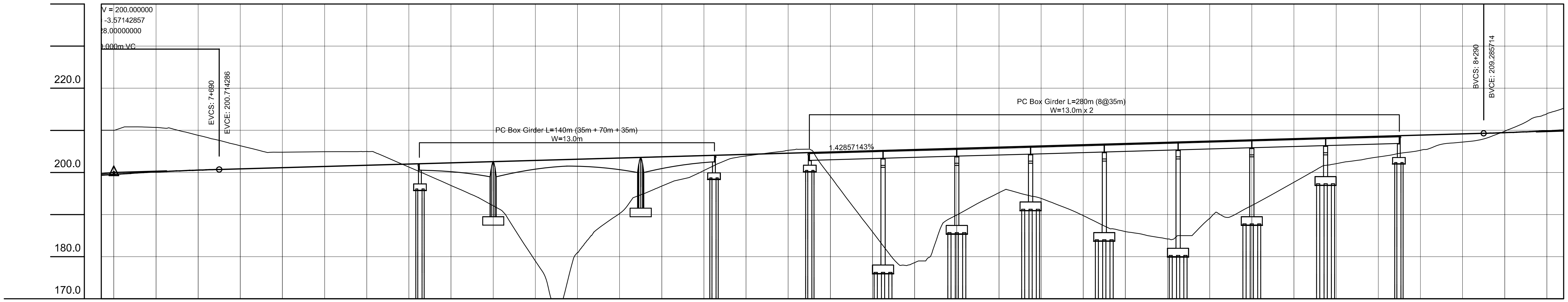
REMARKS:

THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

DRAWING TITLE: CALA Expressway Plan & Profile (11/33)

SCALE	1:2,000
DRAWING NO.	CE-11
SHEET NO.	





GRADE: 200.000 — 1.429% — 210.000

PROPOSED HEIGHT		199.554	200.125	200.554	200.714	200.857	201.143	201.429	201.714	202.000	202.286	202.571	202.857	203.143	203.429	203.714	204.000	204.286	204.571
GROUND HEIGHT	210.00	210.00	210.67	208.83		206.37	204.81	204.92	204.96	201.28	196.92	192.12	179.00	181.00	190.28	196.79	200.44	203.90	205.25
STATION	7+634	7+640	7+660	7+680	7+690	7+700	7+720	7+740	7+760	7+780	7+800	7+820	7+840	7+860	7+880	7+900	7+920	7+940	7+960

PROPOSED HEIGHT	204.857	205.143	205.429	205.714	206.000	206.286	206.571	206.857	207.143	207.429	207.714	208.000	208.286	208.571	208.857	209.143	209.286	209.446	209.875
GROUND HEIGHT	199.06	185.88	178.61	189.91	195.19	193.83	189.76	185.97	184.21	189.10	192.16	197.68	202.08	203.70	205.27	207.20		209.80	213.95
STATION	7+980	8+000	8+020	8+040	8+060	8+080	8+100	8+120	8+140	8+160	8+180	8+200	8+220	8+240	8+260	8+280	8+290	8+300	8+320

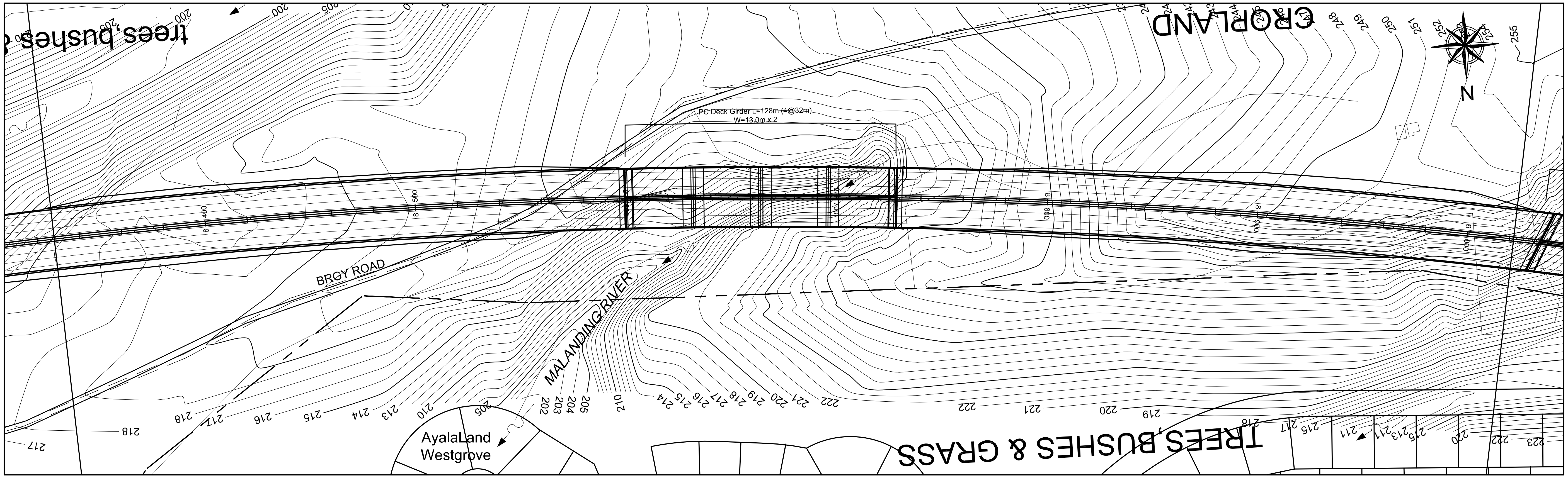
CURVE ELEMENT: R=3000.000, L=2787.203

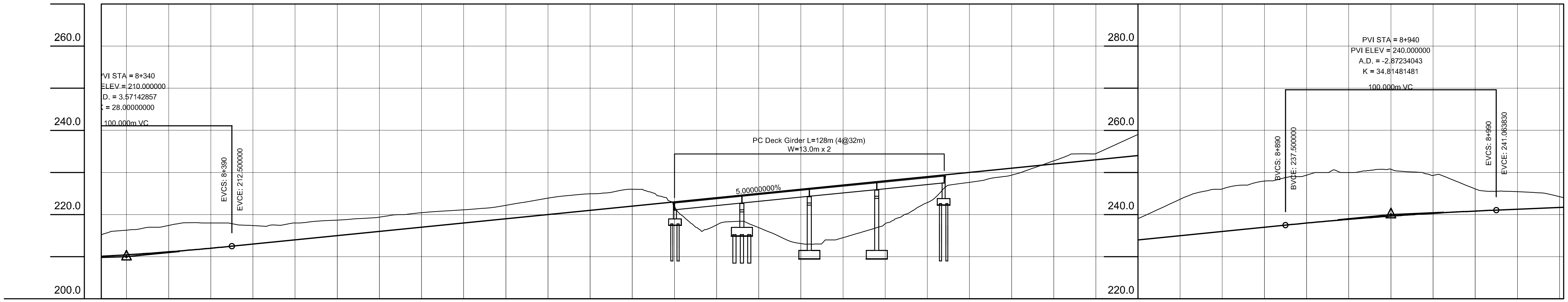
JAPAN INTERNATIONAL COOPERATION AGENCY | ALMEC CORPORATION
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS | NIPPON KOEI CO., LTD.

REMARKS:

THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

DRAWING TITLE	CALA Expressway Plan & Profile (12/33)
SCALE	1:2,000
DRAWING NO.	CE-12
SHEET NO.	





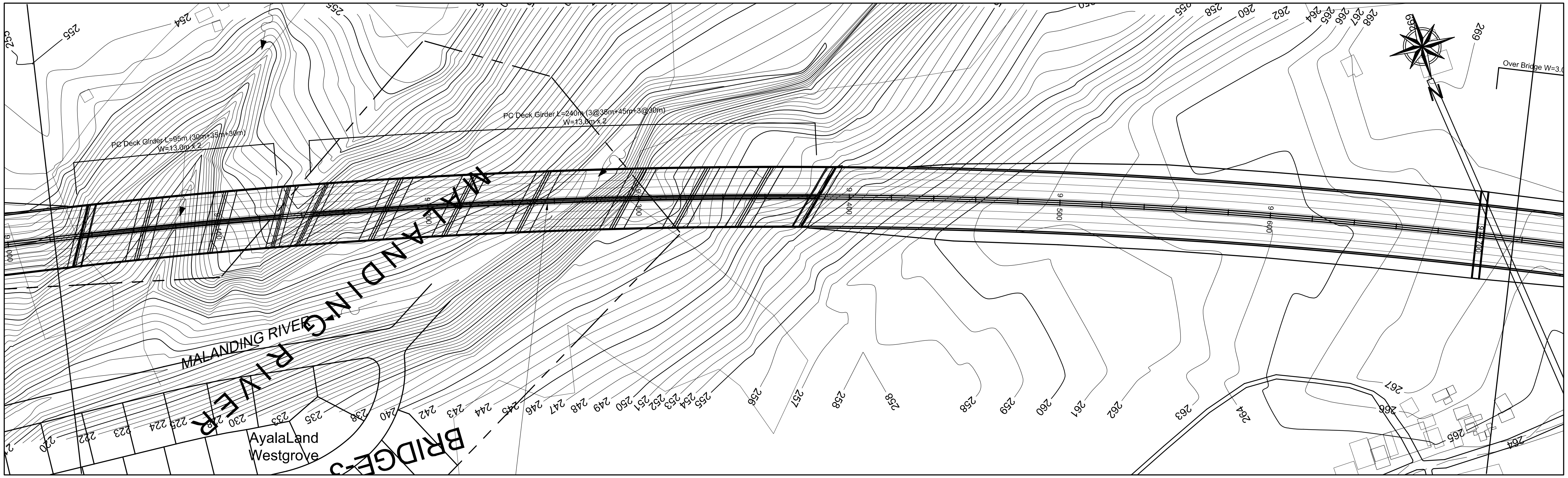
GRADE: 210.000 (8+340) — 5.000% — 240.000 (8+940) — 2.128%

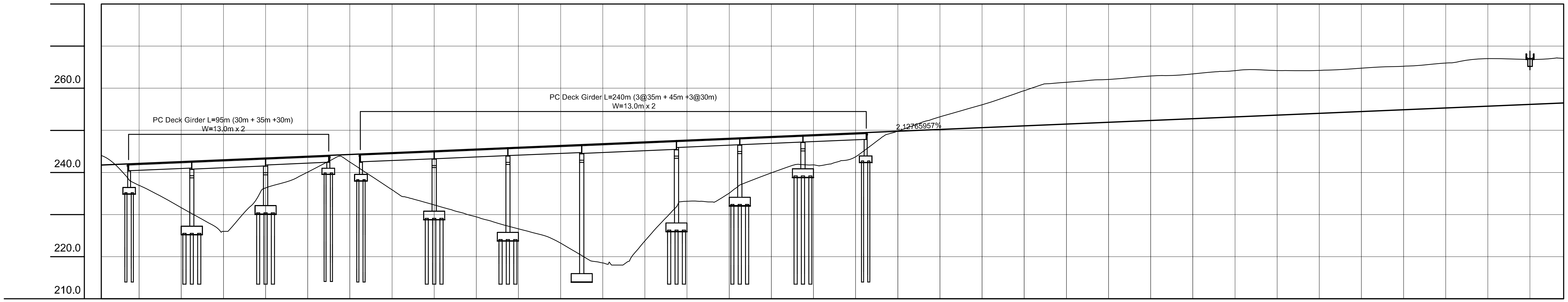
STATION	PROPOSED HEIGHT	GROUND HEIGHT
8+328		215.22
8+340	210.446	216.31
8+360	211.161	217.42
8+380	212.018	218.00
8+390	212.500	
8+400	213.000	217.39
8+420	214.000	218.00
8+440	215.000	218.70
8+460	216.000	219.38
8+480	217.000	220.34
8+500	218.000	221.13
8+520	219.000	222.21
8+540	220.000	223.90
8+560	221.000	224.91
8+580	222.000	226.00
8+600	223.000	221.95
8+620	224.000	217.55
8+640	225.000	216.91
8+660	226.000	213.13
8+680	227.000	214.52
8+700	228.000	217.82
8+720	229.000	222.86
8+740	230.000	227.65
8+760	231.000	229.37
8+780	232.000	232.75
8+800	233.000	234.46
8+820	234.000	239.03
8+840	235.000	243.62
8+860	236.000	246.06
8+880	237.000	247.99
8+890	237.500	
8+900	237.986	249.35
8+920	238.871	250.00
8+940	239.641	250.77
8+960	240.296	249.31
8+980	240.837	246.09
8+990	241.064	
9+000	241.277	245.44

CURVE ELEMENT: R=3000.000, L=2787.203

JICA JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NIPPON KOEI CO., LTD.		DRAWING TITLE: CALA Expressway Plan & Profile (13/33)

SCALE	1:2,000
DRAWING NO.	CE-13
SHEET NO.	





GRADE: 2.128%

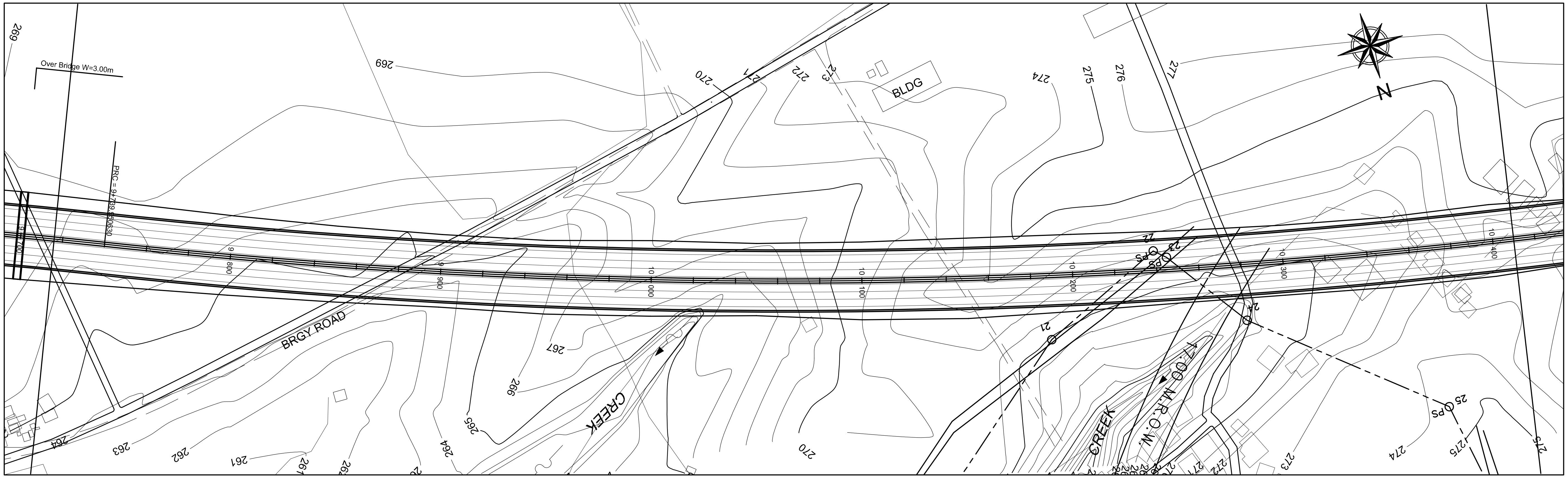
STATION	9+022	9+040	9+060	9+080	9+100	9+120	9+140	9+160	9+180	9+200	9+220	9+240	9+260	9+280	9+300	9+320	9+340	9+360
PROPOSED HEIGHT		242.128	242.553	242.979	243.404	243.830	244.255	244.681	245.106	245.532	245.957	246.383	246.809	247.234	247.660	248.085	248.511	248.936
GROUND HEIGHT	244.00	236.94	231.65	226.00	236.33	240.09	242.47	235.89	232.31	229.48	226.62	223.22	218.53	223.76	233.15	235.10	239.90	241.82

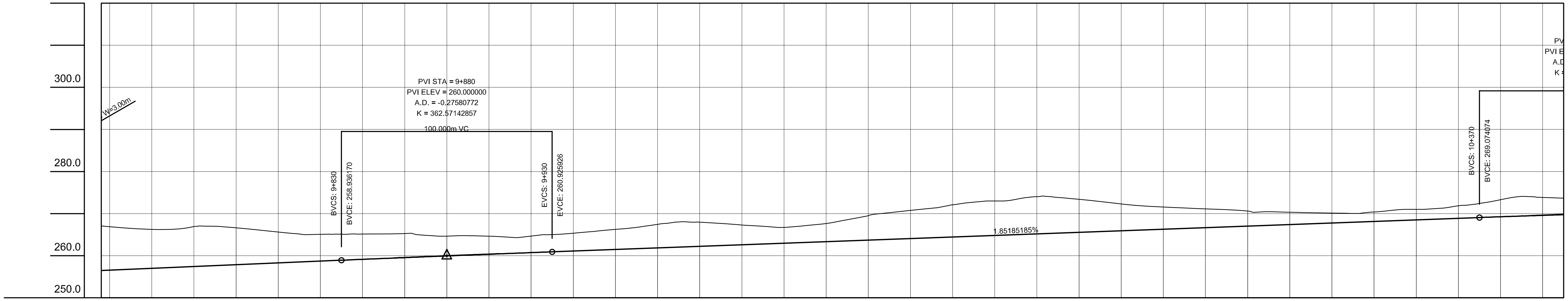
STATION	9+380	9+400	9+420	9+440	9+460	9+480	9+500	9+520	9+540	9+560	9+580	9+600	9+620	9+640	9+660	9+680	9+700
PROPOSED HEIGHT	249.362	249.787	250.213	250.638	251.064	251.489	251.915	252.340	252.766	253.191	253.617	254.043	254.468	254.894	255.319	255.745	256.170
GROUND HEIGHT	243.74	249.80	253.21	256.07	259.41	261.40	262.11	262.86	263.40	264.20	264.19	264.25	264.74	265.21	265.99	267.00	267.09

CURVE ELEMENT: R=3000.000, L=2787.203

JICA JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC ALMEC CORPORATION	REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NK NIPPON KOEI CO., LTD.		DRAWING TITLE: CALA Expressway Plan & Profile (14/33)

SCALE	1:2,000
DRAWING NO.	CE-14
SHEET NO.	





GRADE	2.128%				260.000														
PROPOSED HEIGHT	256.596	257.021	257.447	257.872	258.298	258.723	258.936	259.148	259.562	259.966	260.358	260.739	260.926	261.111	261.481	261.852	262.222	262.593	262.963
GROUND HEIGHT	267.07 266.92	266.26	266.94	266.65	265.64	265.08		265.16	265.31	264.64	264.64	264.67		265.36	266.23	267.45	267.97	267.29	266.74
STATION	9+716 9+720	9+740	9+760	9+780	9+800	9+820	9+830	9+840	9+860	9+880	9+900	9+920	9+930	9+940	9+960	9+980	10+000	10+020	10+040
CURVE ELEMENT	R=3000.000 L=2787.203																		

GRADE	1.852%																	270.000	
PROPOSED HEIGHT	263.333	263.704	264.074	264.444	264.815	265.185	265.556	265.926	266.296	266.667	267.037	267.407	267.778	268.148	268.519	268.889	269.074	269.256	269.598
GROUND HEIGHT	267.69	269.51	270.76	272.10	273.00	274.00	273.40	272.29	271.57	271.13	270.61	270.33	270.13	270.42	271.00	271.85		273.27	273.86
STATION	10+060	10+080	10+100	10+120	10+140	10+160	10+180	10+200	10+220	10+240	10+260	10+280	10+300	10+320	10+340	10+360	10+370	10+380	10+400
CURVE ELEMENT															R=3000.000 L=1223.928				

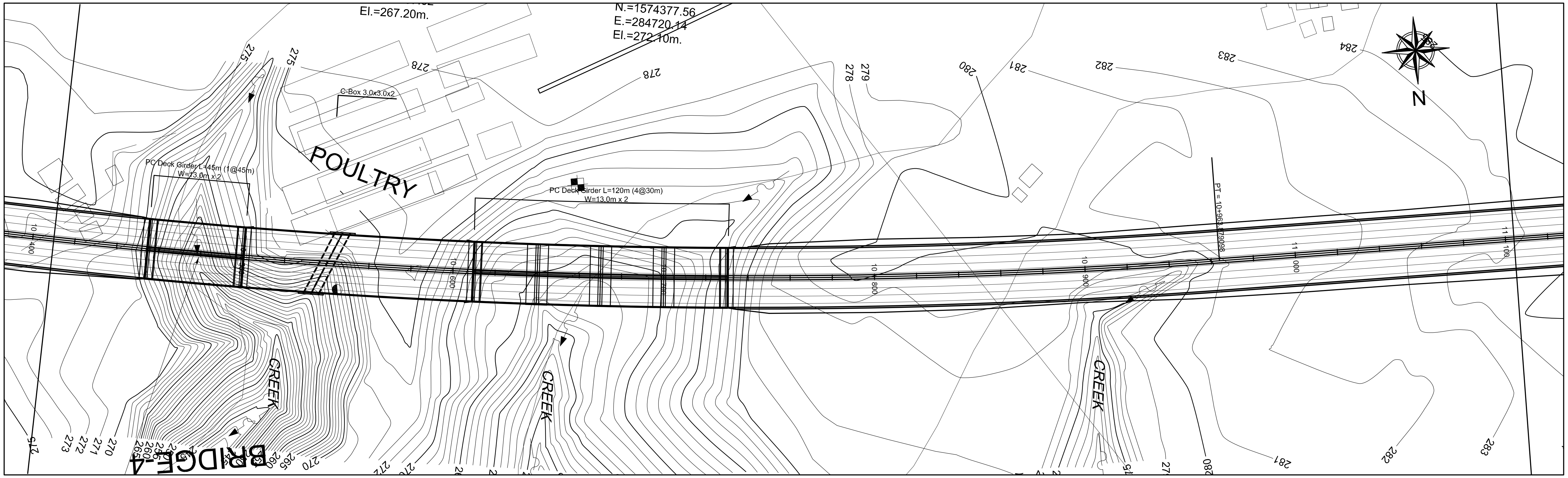
JAPAN INTERNATIONAL COOPERATION AGENCY | ALMEC CORPORATION

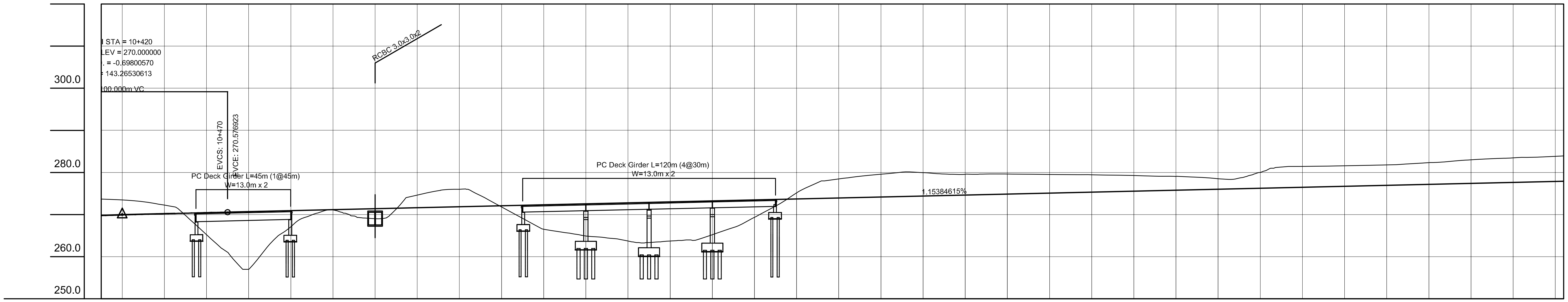
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS | NIPPON KOEI CO., LTD.

REMARKS:

THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

DRAWING TITLE	CALA Expressway Plan & Profile (15/33)	SCALE	1:2,000
		DRAWING NO.	CE-15
		SHEET NO.	





GRADE: 270.000 — 1.154%

STATION	PROPOSED HEIGHT	GROUND HEIGHT
10+410		273.68
10+420	269.913	273.47
10+440	270.199	272.24
10+460	270.458	265.22
10+470	270.577	
10+480	270.692	257.00
10+500	270.923	267.11
10+520	271.154	271.10
10+540	271.385	269.03
10+560	271.615	274.63
10+580	271.846	276.01
10+600	272.077	271.82
10+620	272.308	266.51
10+640	272.538	264.91
10+660	272.769	263.73
10+680	273.000	263.72
10+700	273.231	265.22
10+720	273.462	269.35
10+740	273.692	275.15
10+760	273.923	278.47
10+780	274.154	279.58
10+800	274.385	279.96
10+820	274.615	279.58
10+840	274.846	279.63
10+860	275.077	279.52
10+880	275.308	279.45
10+900	275.538	279.28
10+920	275.769	279.07
10+940	276.000	278.49
10+960	276.231	280.00
10+980	276.462	281.45
11+000	276.692	281.58
11+020	276.923	281.80
11+040	277.154	282.32
11+060	277.385	283.01
11+080	277.615	283.46
11+100	277.846	283.83

CURVE ELEMENT: R=3000.000, L=1223.928; R=00, L=374.786

JICA JAPAN INTERNATIONAL COOPERATION AGENCY	ALMEC ALMEC CORPORATION	REMARKS:
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS	NIPPON KOEI CO., LTD.	

THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

DRAWING TITLE	CALA Expressway Plan & Profile (16/33)	SCALE	1:2,000
		DRAWING NO.	CE-16
		SHEET NO.	