

GRADE																																				
PROPOSED HEIGHT	76.046	76.286	76.526	76.767	77.007	77.247	77.488	77.728	77.968	78.208	78.449	78.689	78.929	79.169	79.480	79.930	80.520	81.250	82.050	82.850	83.650	84.450	85.250	86.050	86.797	87.440	87.977	88.408	88.735	89.009	89.283	89.557	89.830	90.104	90.378	
GROUND HEIGHT	75.16	75.21	75.43	75.65	75.88	76.10	76.32	76.55	76.77	76.99	77.21	77.44	77.66	77.88	78.10	78.33	78.55	78.77	78.99	79.22	79.44	79.66	79.89	80.11	80.33	80.55	80.78	81.00	81.22	81.44	81.67	81.89	82.11	82.33	82.56	82.78
STATION	2+776	2+780	2+800	2+820	2+840	2+860	2+880	2+900	2+920	2+940	2+960	2+980	3+000	3+020	3+040	3+060	3+080	3+100	3+120	3+140	3+160	3+180	3+200	3+220	3+240	3+260	3+280	3+300	3+320	3+340	3+360	3+380	3+400	3+420	3+440	3+460
CURVE ELEMENT	R=00 L=1219.766																																			

JICA JAPAN INTERNATIONAL COOPERATION AGENCY
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

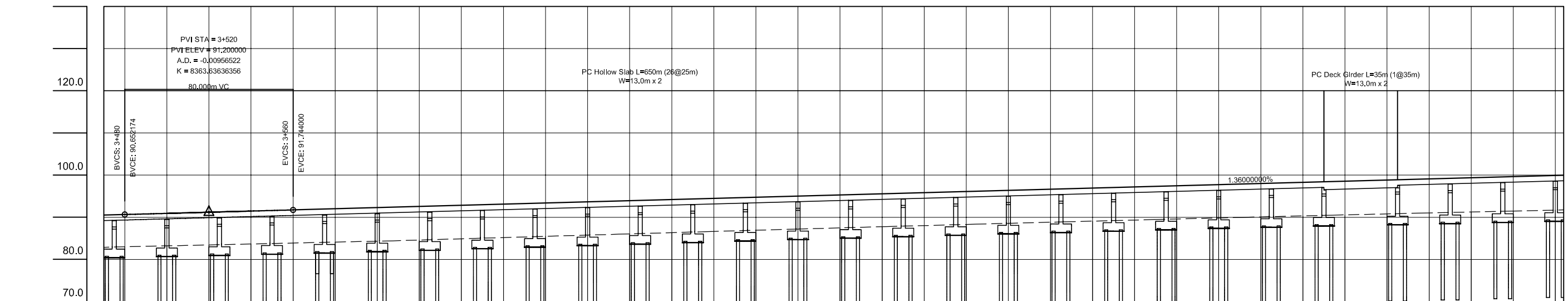
ALMEC ALMEC CORPORATION
NKK NIPPON KOEI CO., LTD.

REMARKS:

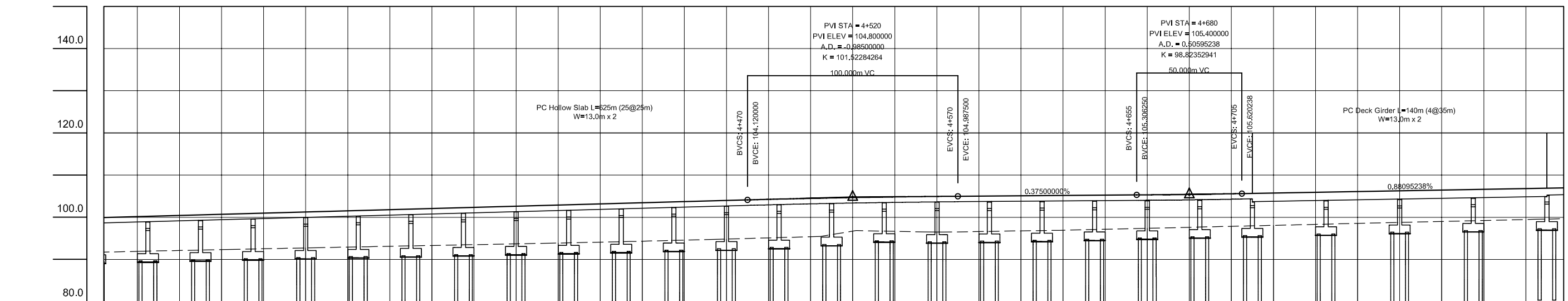
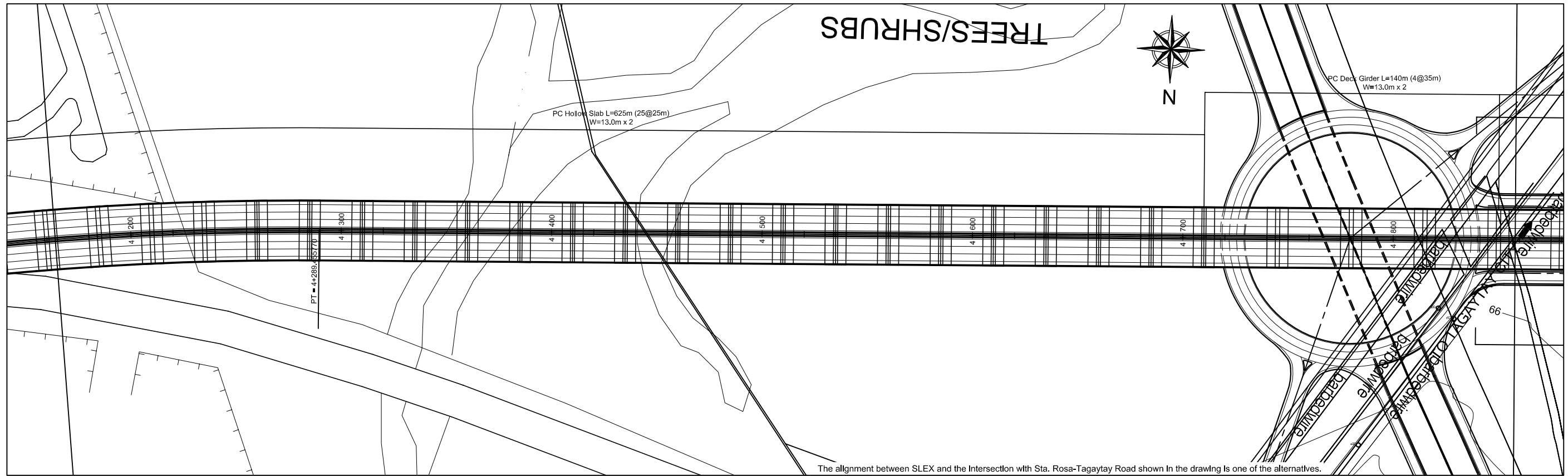
THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT
 ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

DRAWING TITLE: CALA Expressway
 Plan & Profile (5 / 33)

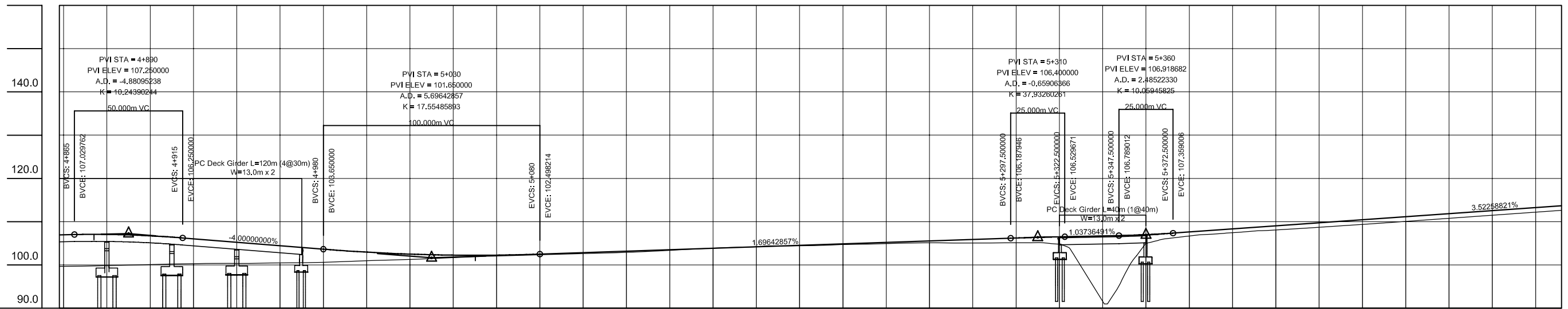
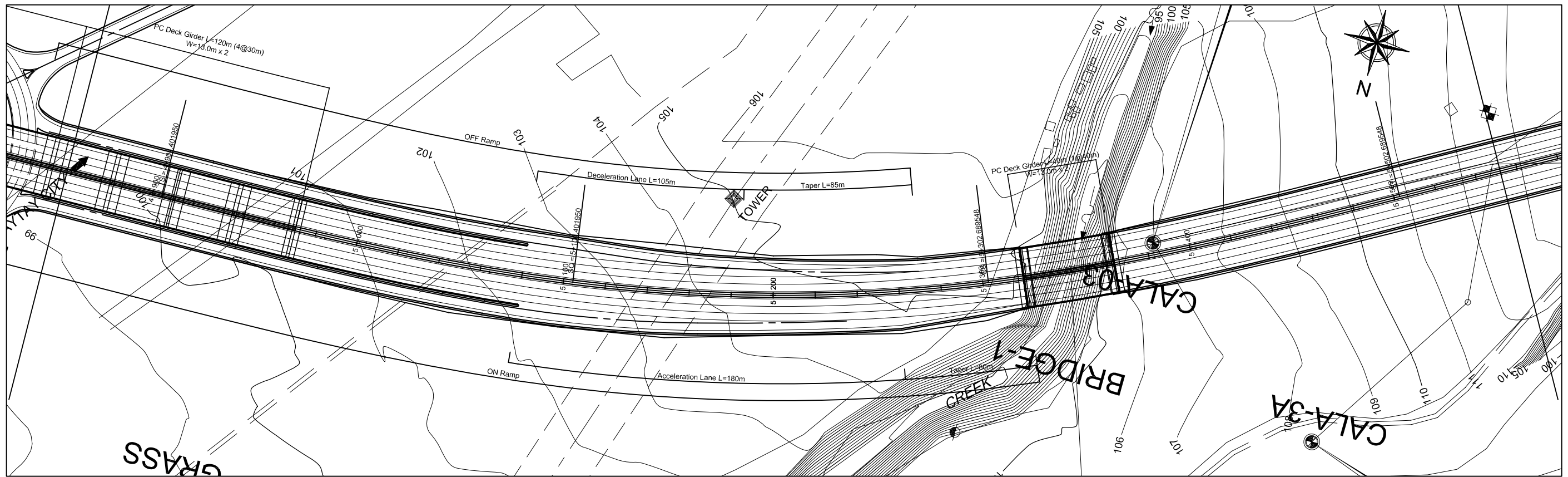
SCALE: 1:2,000
 DRAWING NO.: CE-5
 SHEET NO.:



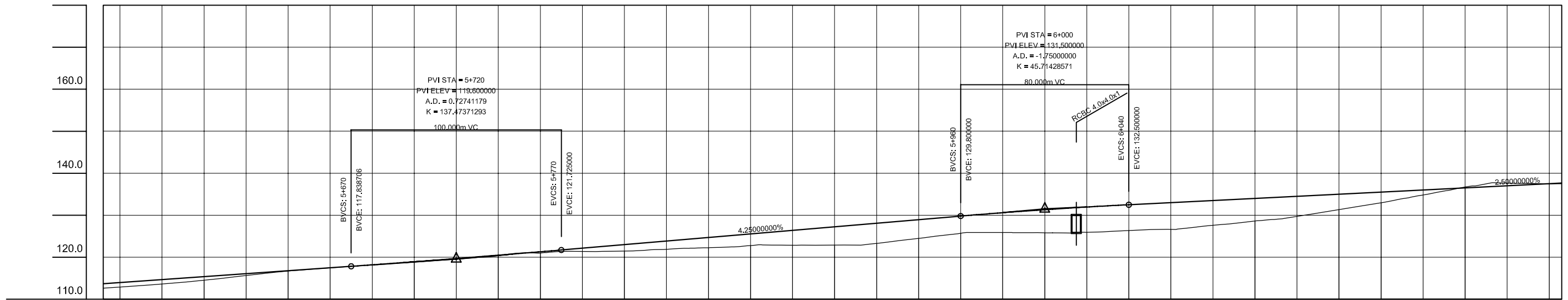
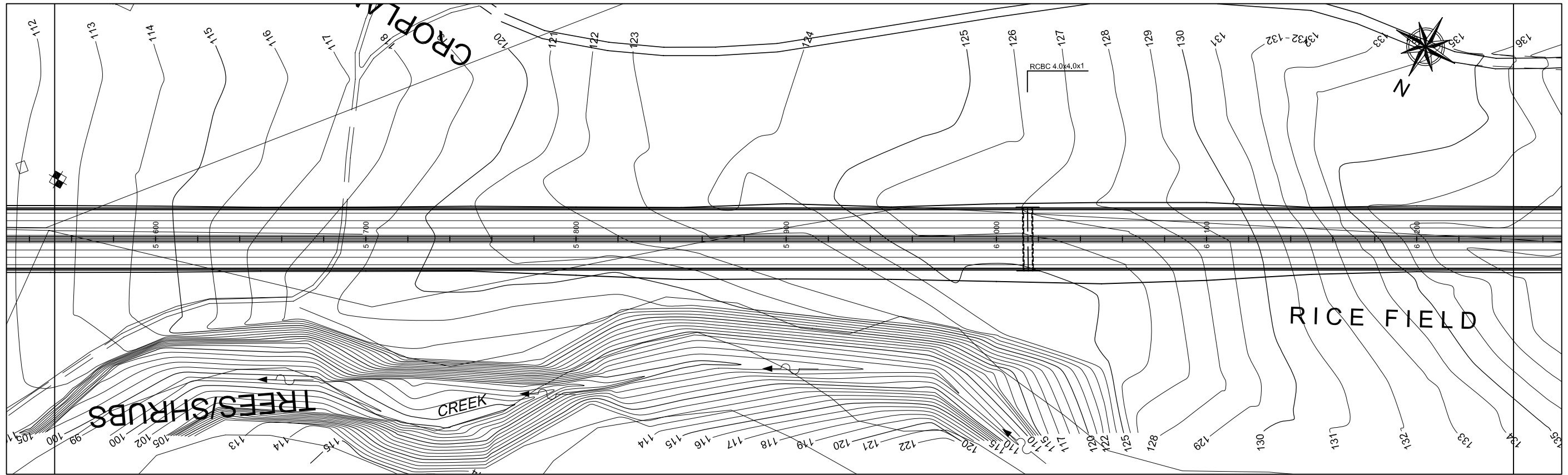
GRADE	1.370%															1.360%																				
PROPOSED HEIGHT	90.652	90.926	91.199	91.472	91.744	92.016	92.288	92.560	92.832	93.104	93.376	93.648	93.920	94.192	94.464	94.736	95.008	95.280	95.552	95.824	96.096	96.368	96.640	96.912	97.184	97.456	97.728	98.000	98.272	98.544	98.816	99.088	99.360	99.632	99.904	
GROUND HEIGHT	82.89	83.00	83.22	83.45	83.67	83.89	84.12	84.34	84.60	84.90	85.19	85.48	85.77	86.07	86.35	86.64	86.93	87.21	87.49	87.76	88.03	88.30	88.57	88.83	89.09	89.34	89.60	89.84	90.09	90.33	90.57	90.80	91.03	91.26	91.48	91.70
STATION	3+470	3+480	3+500	3+520	3+540	3+560	3+580	3+600	3+620	3+640	3+660	3+680	3+700	3+720	3+740	3+760	3+780	3+800	3+820	3+840	3+860	3+880	3+900	3+920	3+940	3+960	3+980	4+000	4+020	4+040	4+060	4+080	4+100	4+120	4+140	4+160
CURVE ELEMENT	R=60 L=1219.766															R=1500.000 L=574.631																				



GRADE																																							
PROPOSED HEIGHT	100.176	100.448	100.720	100.992	101.264	101.536	101.808	102.080	102.352	102.624	102.896	103.168	103.440	103.712	103.984	104.120	104.251	104.484	104.677	104.831	104.945	104.988	105.025	105.100	105.175	105.250	105.306	105.326	105.432	105.577	105.620	105.752	105.929	106.105	106.281	106.457	106.633	106.810	
GROUND HEIGHT	91.74	91.92	92.13	92.34	92.54	92.74	92.93	93.13	93.32	93.51	93.70	93.90	94.11	94.33	94.58	94.83	95.11	95.39	96.71	96.67	96.50	96.62	96.77	96.94	97.17	97.40	97.63	97.86	98.09	98.32	98.55	98.78	99.00	99.23	99.46				
STATION	4+164	4+180	4+200	4+220	4+240	4+260	4+280	4+300	4+320	4+340	4+360	4+380	4+400	4+420	4+440	4+460	4+470	4+480	4+500	4+520	4+540	4+560	4+570	4+580	4+600	4+620	4+640	4+655	4+660	4+680	4+700	4+705	4+720	4+740	4+760	4+780	4+800	4+820	4+840
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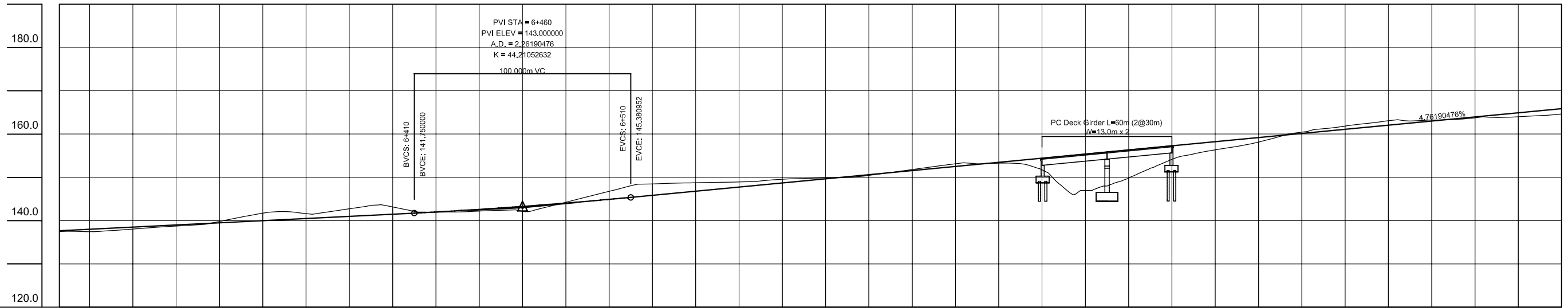
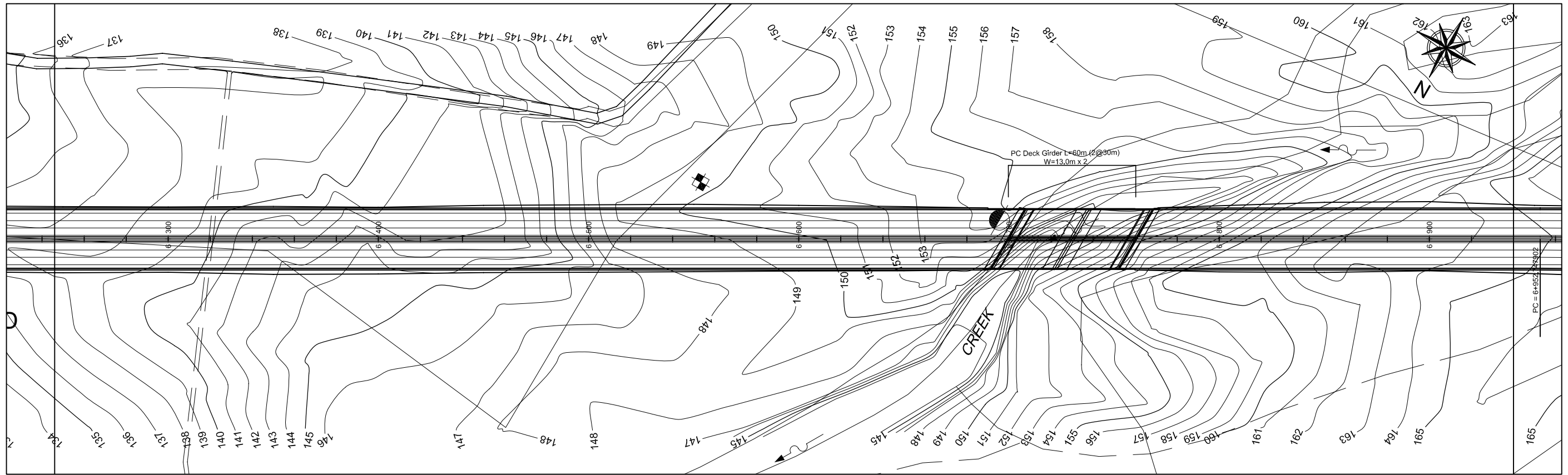


GRADE	0.881%	107.250	-4.000%	101.650	1.696%	106.400	1.037%	106.919	3.523%																												
PROPOSED HEIGHT	106.986 107.030	107.052	106.740	106.250 106.050	105.250	104.450	103.650	102.964	102.506	102.275	102.273	102.498	102.838	103.177	103.516	103.855	104.195	104.534	104.873	105.213	105.552	105.891	106.230	106.569	106.711	106.789	106.996	107.359	107.623	108.328	109.032	109.737	110.441	111.146	111.850	112.555	113.259
GROUND HEIGHT	99.89	99.88	100.10	100.32	100.36	100.46	100.61	100.98	101.31	101.68	102.06	102.35	102.62	102.91	103.39	103.88	104.25	104.44	104.72	104.94	105.11	105.07	105.13	104.85	91.58	105.01	106.68	107.44	108.09	108.74	109.38	110.04	110.77	111.50	112.22		
STATION	4+886 4+885	4+880	4+900	4+915 4+920	4+940	4+960	4+980	5+000	5+020	5+040	5+060	5+080	5+100	5+120	5+140	5+160	5+180	5+200	5+220	5+240	5+260	5+280	5+300 5+308	5+320 5+329	5+340	5+348	5+360	5+373	5+380	5+400	5+420	5+440	5+460	5+480	5+500	5+520	5+540
CURVE ELEMENT	R=0 L=614.946		A=400 L=200.000																	R=800.000 L=196.288			A=400 L=200.000			R=0 L=1450.058											



GRADE	3.523%										4.250%										2.500%																			
PROPOSED HEIGHT	112.64	112.92	113.65	114.53	115.373	116.077	116.782	117.486	117.839	118.195	118.928	119.691	120.483	121.304	121.725	122.150	123.000	123.850	124.700	125.550	126.400	127.250	128.100	128.950	129.800	130.606	131.325	131.956	132.500	133.000	133.500	134.000	134.500	135.000	135.500	136.000	136.500	137.000	137.500	
GROUND HEIGHT	112.64	112.92	113.65	114.53	115.66	116.72	117.47	117.839	118.13	118.81	119.51	120.28	120.483	121.01	121.725	122.33	123.000	123.850	124.26	124.700	125.550	126.400	127.250	128.29	129.49	125.69	125.89	125.83	125.95	126.37	126.64	127.61	128.61	129.72	131.33	132.95	134.82	136.71	137.65	137.49
STATION	5+552	5+560	5+580	5+600	5+620	5+640	5+660	5+670	5+680	5+700	5+720	5+740	5+760	5+770	5+780	5+800	5+820	5+840	5+860	5+880	5+900	5+920	5+940	5+960	5+980	6+000	6+020	6+040	6+060	6+080	6+100	6+120	6+140	6+160	6+180	6+200	6+220	6+240		
CURVE ELEMENT											R=0 L=1450.058																													

		REMARKS:	THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT	
			DRAWING TITLE: CALA Expressway Plan & Profile (9 / 33)	SCALE: 1:2,000 DRAWING NO.: CE-9 SHEET NO.:



GRADE																																					
PROPOSED HEIGHT	138.000	138.500	139.000	139.500	140.000	140.500	141.000	141.500	141.750	142.011	142.602	143.283	144.054	144.916	145.381	145.857	146.810	147.762	148.714	149.667	150.619	151.571	152.524	153.476	154.429	155.381	156.333	157.286	158.238	159.190	160.143	161.095	162.048	163.000	163.952	164.905	
GROUND HEIGHT	137.48	137.47	138.05	138.75	139.83	141.75	141.64	142.74	143.16	141.96	142.22	142.23	144.26	146.79	148.48	148.75	148.92	149.57	149.90	150.46	151.80	153.15	153.28	151.72	147.00	149.84	154.17	156.36	158.13	160.44	161.83	163.06	163.23	163.77	163.99		
STATION	6+246	6+260	6+280	6+300	6+320	6+340	6+360	6+380	6+400	6+410	6+420	6+440	6+460	6+480	6+500	6+510	6+520	6+540	6+560	6+580	6+600	6+620	6+640	6+660	6+680	6+700	6+720	6+740	6+760	6+780	6+800	6+820	6+840	6+860	6+880	6+900	6+920
CURVE ELEMENT	R=0 L=1450.058																																				