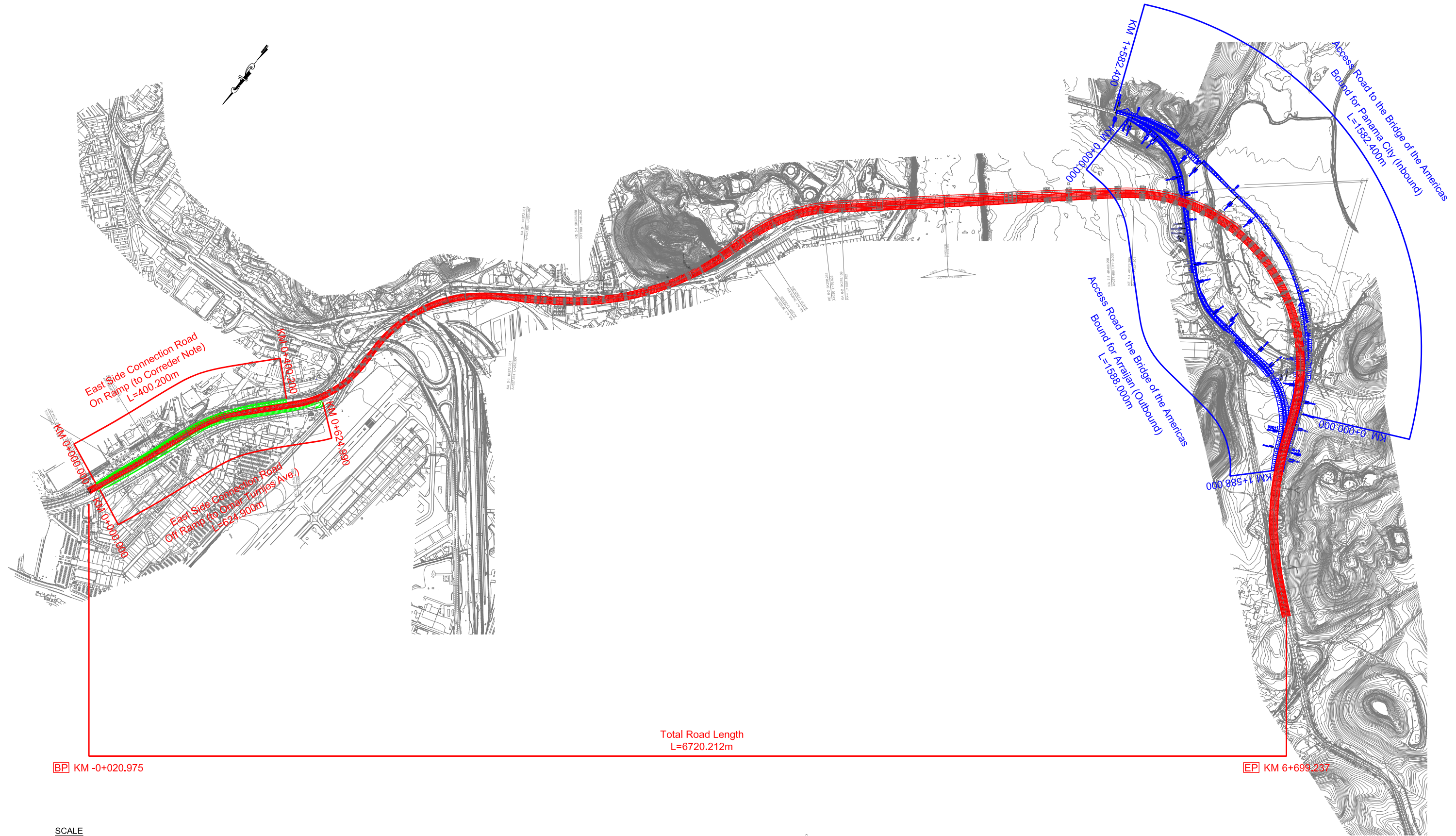


## 付属資料 5-1-2: 道路図面

Plan S=1:100,000

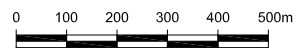




Total Road Length  
L=6720.212m

BP KM -0+020.975

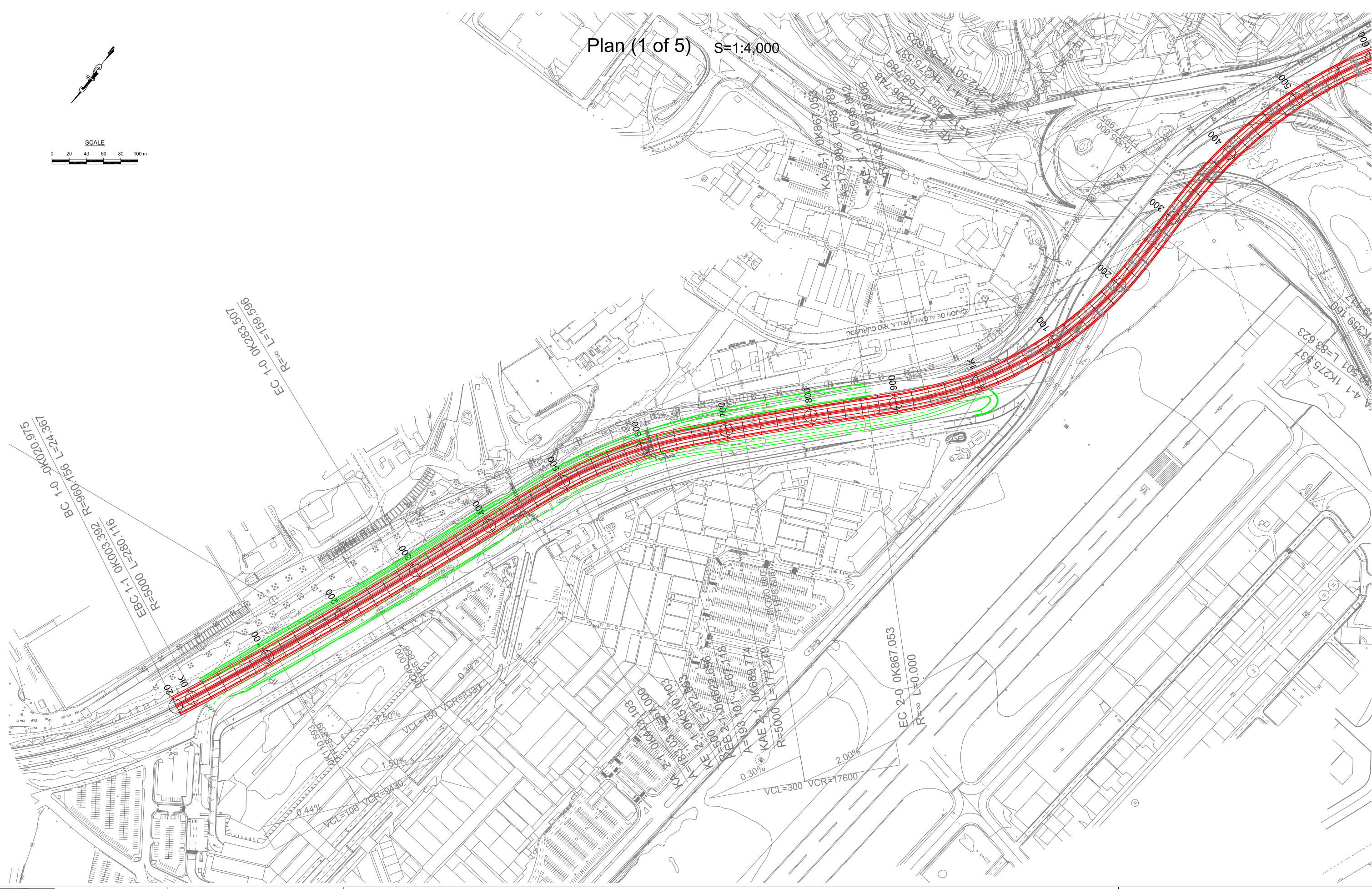
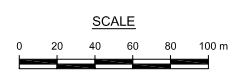
EP KM 6+699.237



SCALE

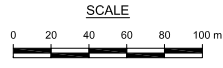


	SECRETARIA DEL METRO DE PANAMA	 JAPAN INTERNATIONAL COOPERATION AGENCY	THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT					REMARKS:	
			DRAWN:	DATE: May 2014	RECEIVED BY:	SUBMITTED BY:	CHECKED BY:	PAGE:	Plan
DESIGNED:	SCALE: S=1:100,000	TEAM LEADER/URBAN RAILWAY PLANNING	CIVIL AND FACILITY PLANNING	APPROVED BY:	1 / 15				

Plan (1 of 5) S=1:4,000



	SECRETARIA DEL METRO DE PANAMA	 JAPAN INTERNATIONAL COOPERATION AGENCY	THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT					REMARKS:	
			DRAWN:	DATE: May 2014	RECEIVED BY:	SUBMITTED BY:	CHECKED BY:	PAGE: 2	Plan (1 of 5)
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SECRETARIA DEL METRO DE PANAMA

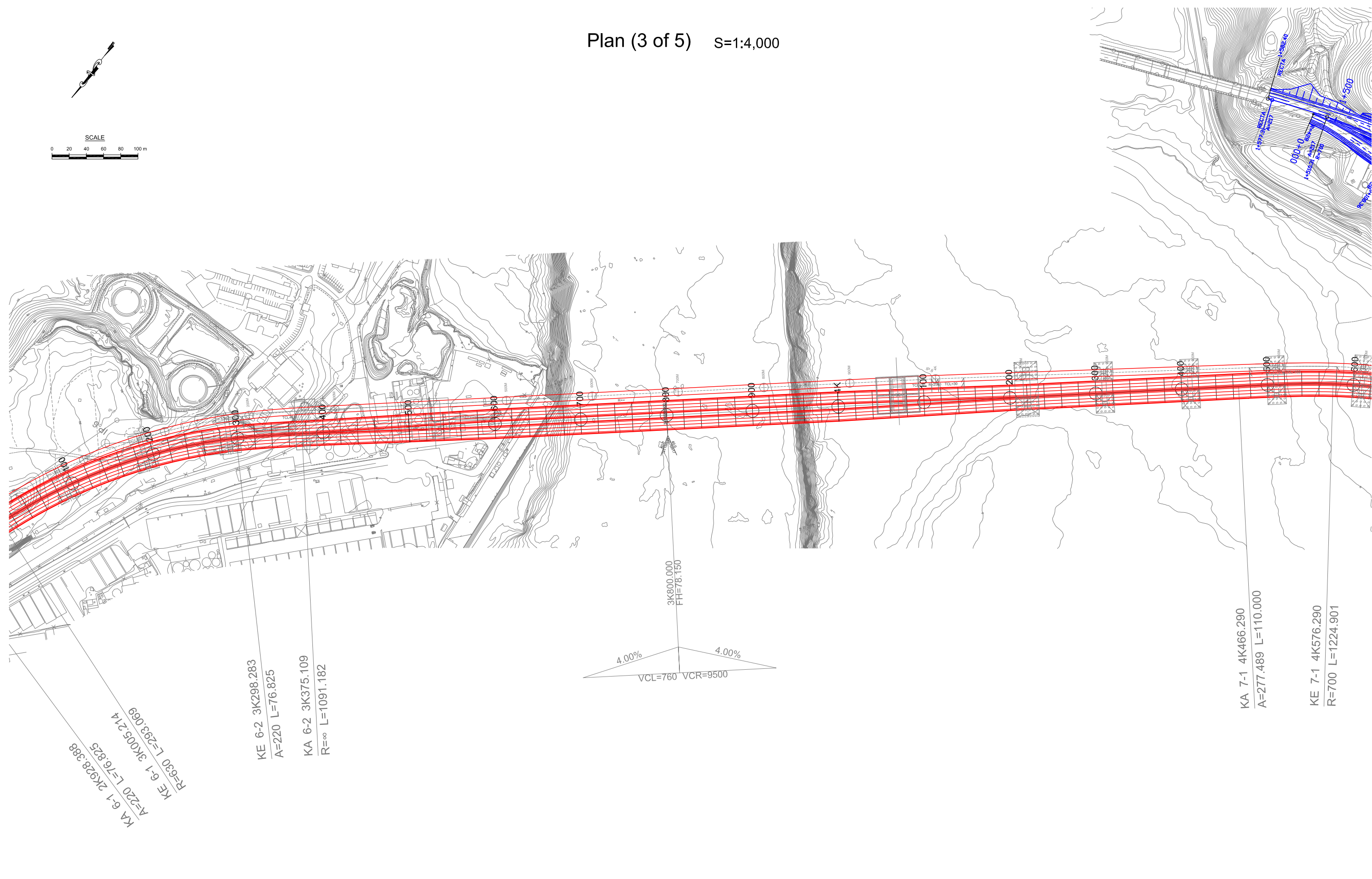
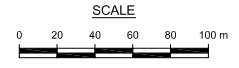


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THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

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REMARKS:  
Plan (2 of 5)



KA 6-1 2K928.388  
A=220 L=76.825  
R=630 L=293.069  
KE 6-1 3K005.214

KE 6-2 3K298.283  
A=220 L=76.825  
KA 6-2 3K375.109  
R=∞ L=1091.182

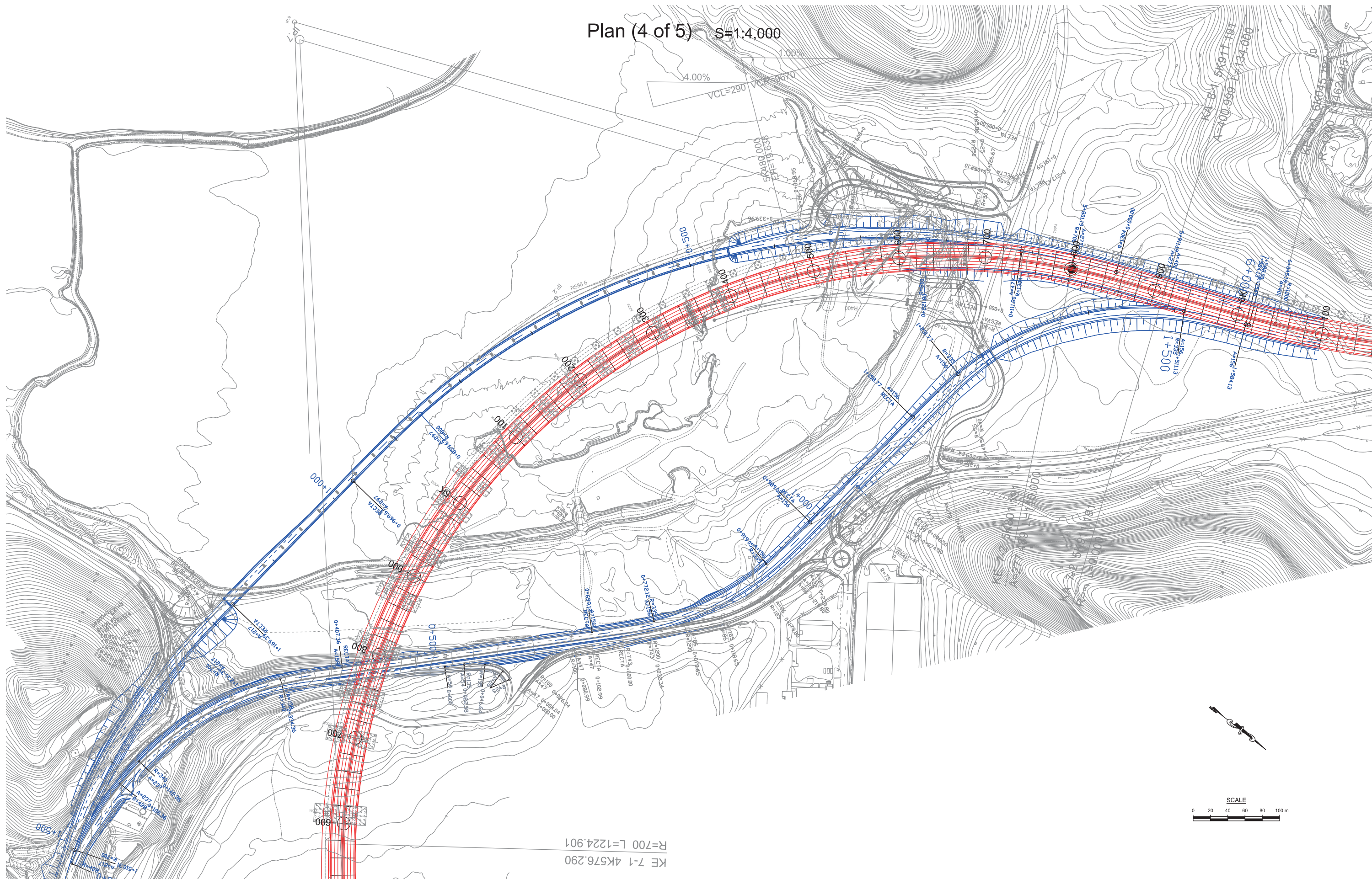
3K800.000  
FH=78.150  
4.00%  
VCL=760 VCR=9500  
4.00%

KA 7-1 4K466.290  
A=277.489 L=110.000

KE 7-1 4K576.290  
R=700 L=1224.901

	SECRETARIA DEL METRO DE PANAMA	JAPAN INTERNATIONAL COOPERATION AGENCY	THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT					REMARKS:  Plan (3 of 5)
			DRAWN:	DATE: May 2014	RECEIVED BY:	SUBMITTED BY:	CHECKED BY:	
			DESIGNED:	SCALE: S=1:4,000	TEAM LEADER/URBAN RAILWAY PLANNING	APPROVED BY:		

Plan (4 of 5) S=1:4,000



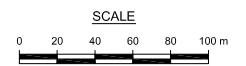
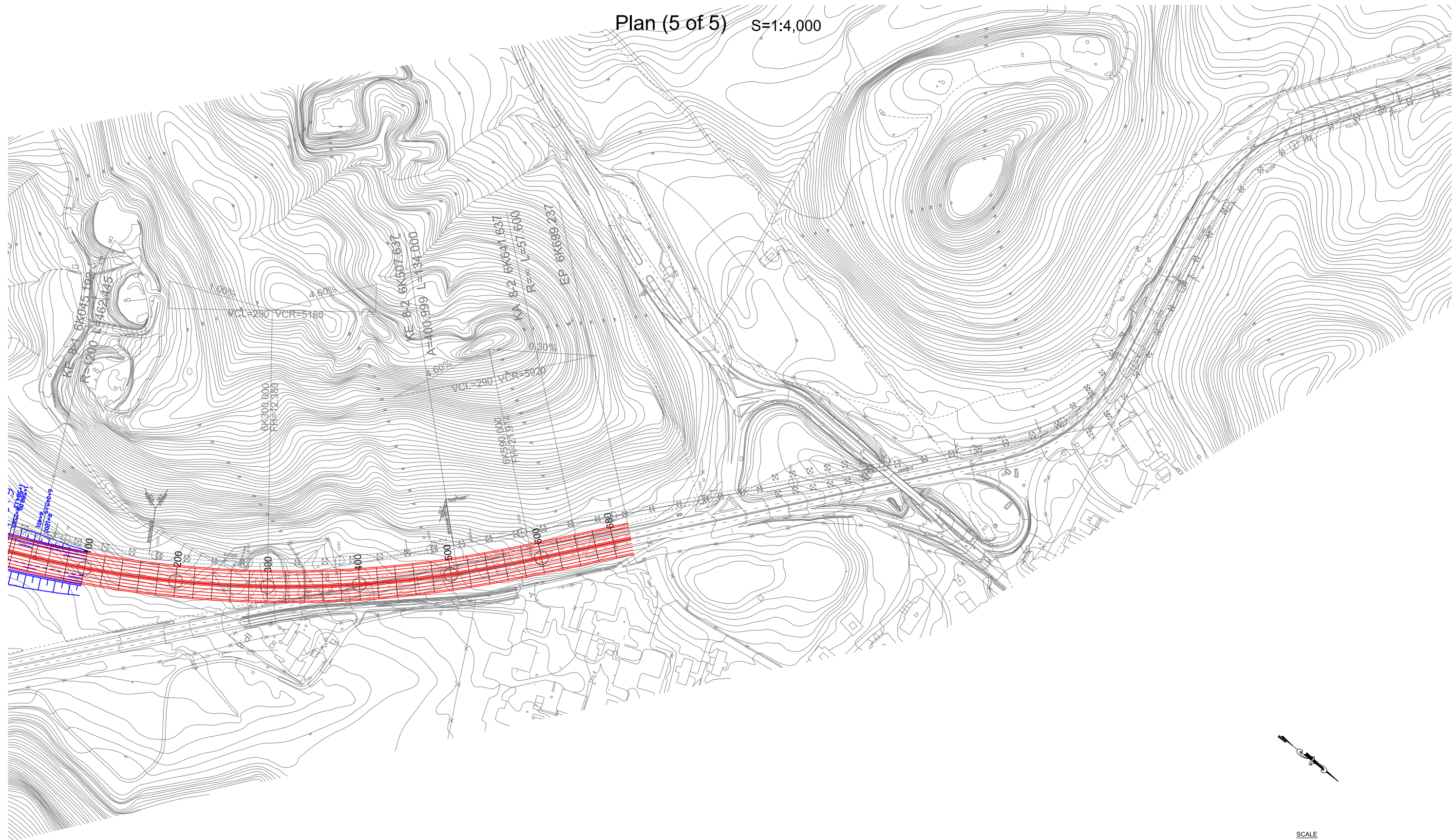
KE 7-1 4K576.290  
R=700 L=1224.901



THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

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					14

REMARKS:  
Plan (4 of 5)



SECRETARIA DEL METRO DE PANAMA



JAPAN INTERNATIONAL COOPERATION AGENCY

THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

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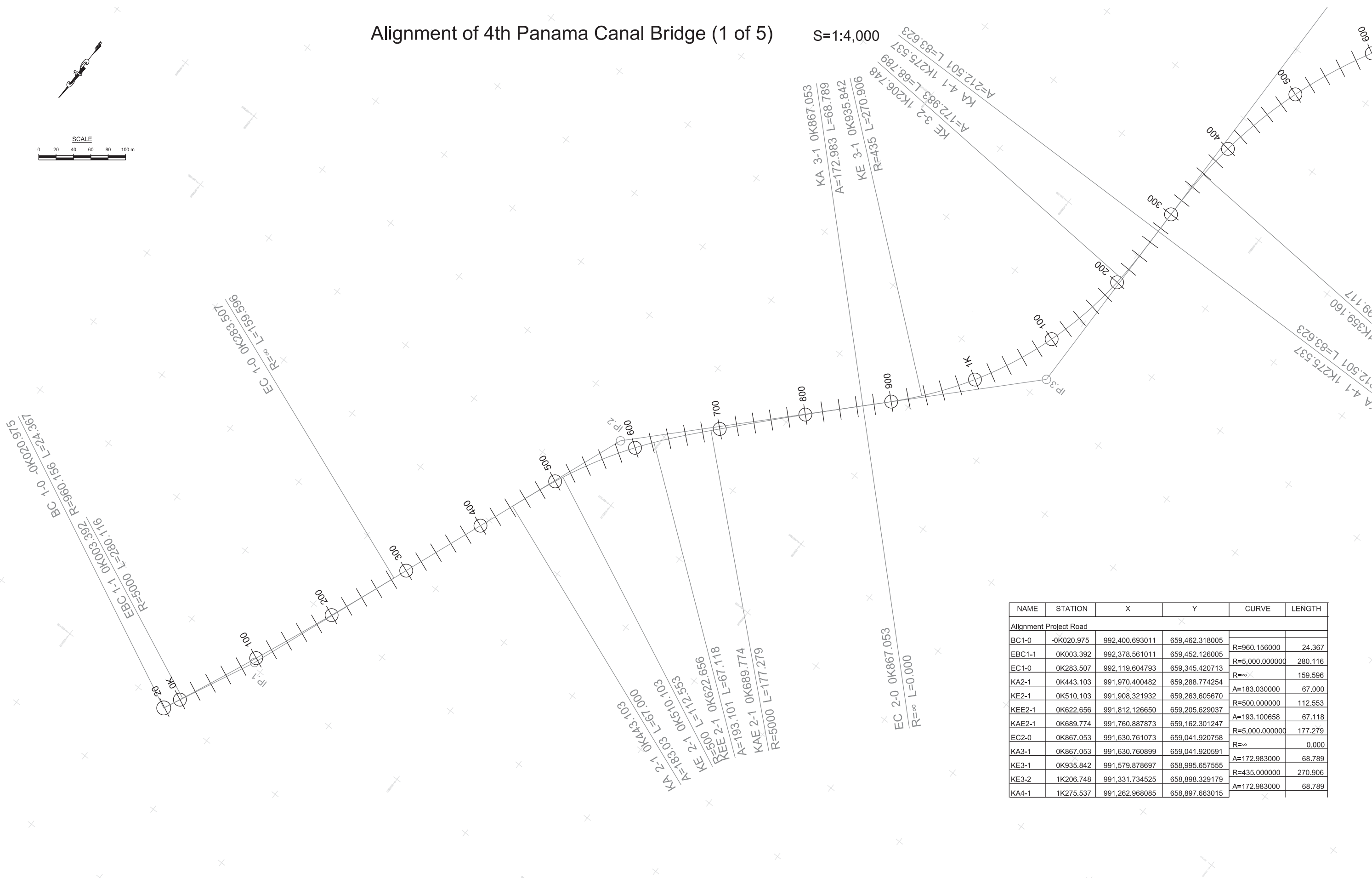
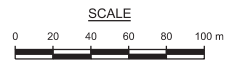
PAGE: 6 / 15

REMARKS:

Plan (5 of 5)

# Alignment of 4th Panama Canal Bridge (1 of 5)

S=1:4,000



NAME	STATION	X	Y	CURVE	LENGTH
Alignment Project Road					
BC1-0	-0K020.975	992,400.693011	659,462.318005	R=960.156000	24.367
EBC1-1	0K003.392	992,378.561011	659,452.126005	R=5,000.000000	280.116
EC1-0	0K283.507	992,119.604793	659,345.420713	R=∞	159.596
KA2-1	0K443.103	991,970.400482	659,288.774254	A=183.030000	67.000
KE2-1	0K510.103	991,908.321932	659,263.605670	R=500.000000	112.553
KEE2-1	0K622.656	991,812.126650	659,205.629037	A=193.100658	67.118
KAE2-1	0K689.774	991,760.887873	659,162.301247	R=5,000.000000	177.279
EC2-0	0K867.053	991,630.761073	659,041.920758	R=∞	0.000
KA3-1	0K867.053	991,630.760899	659,041.920591	A=172.983000	68.789
KE3-1	0K935.842	991,579.878697	658,995.657555	R=435.000000	270.906
KE3-2	1K206.748	991,331.734525	658,898.329179	A=172.983000	68.789
KA4-1	1K275.537	991,262.968085	658,897.663015		



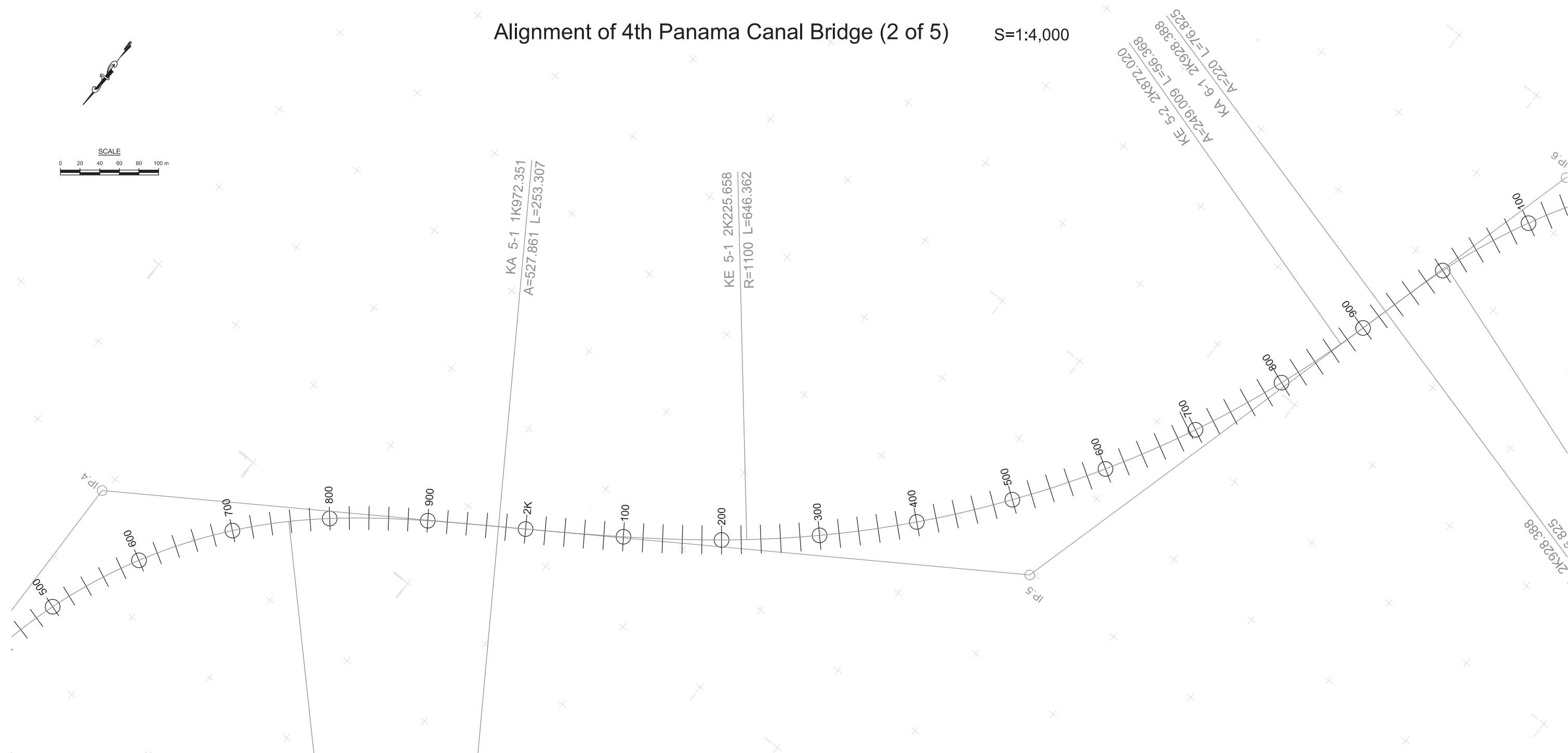
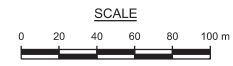
THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT					
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REMARKS:  
Alignment of 4th Panama Canal Bridge (1 of 5)



# Alignment of 4th Panama Canal Bridge (2 of 5)

S=1:4,000



NAME	STATION	X	Y	CURVE	LENGTH
KE4-1	1K359.160	991,179.370386	658,896.898827	A=212.501000	83.623
KE4-2	1K758.277	990,824.838986	658,734.168187	R=540.000000	399.117
KA5-1	1K972.351	990,697.430323	658,562.602074	A=340.000000	214.074
KE5-1	2K225.658	990,552.179014	658,355.259721	A=527.861300	253.307
KE5-2	2K872.020	990,022.481039	658,001.253609	R=1,100.000000	646.362
KA6-1	2K928.388	989,968.282476	657,985.770514	A=249.008500	56.368

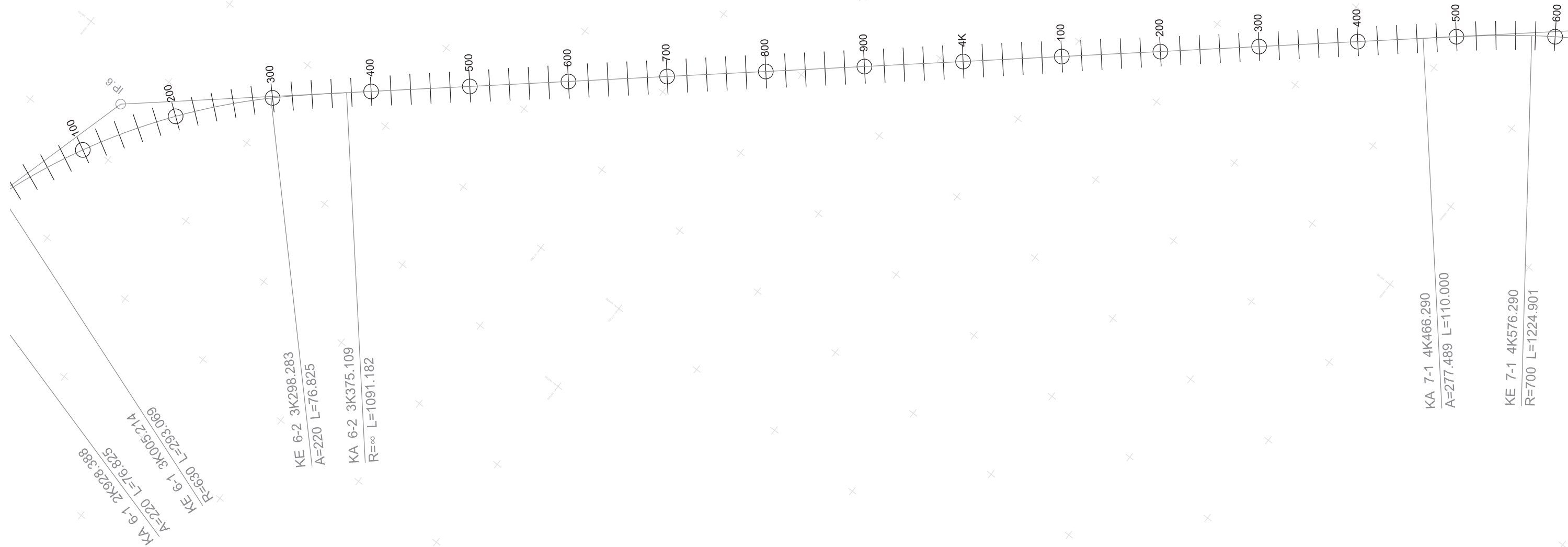
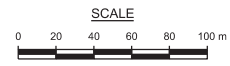


THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT					
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REMARKS:  
Alignment of 4th Panama Canal Bridge (2 of 5)

# Alignment of 4th Panama Canal Bridge (3 of 5) S=1:4,000

NAME	STATION	X	Y	CURVE	LENGTH
KE6-1	3K005.214	989,894.678160	657,963.802445	R=630.000000	293.069
KE6-2	3K298.283	989,649.115259	657,808.719611	A=220.000000	76.825
KA6-2	3K375.109	989,597.647590	657,751.699698	R=∞	1,091.182
KA7-1	4K466.290	988,883.123222	656,926.998466	A=277.489000	110.000
KE7-1	4K576.290	988,813.314094	656,842.027337		



SECRETARIA DEL METRO DE PANAMÁ



JAPAN INTERNATIONAL COOPERATION AGENCY

## THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

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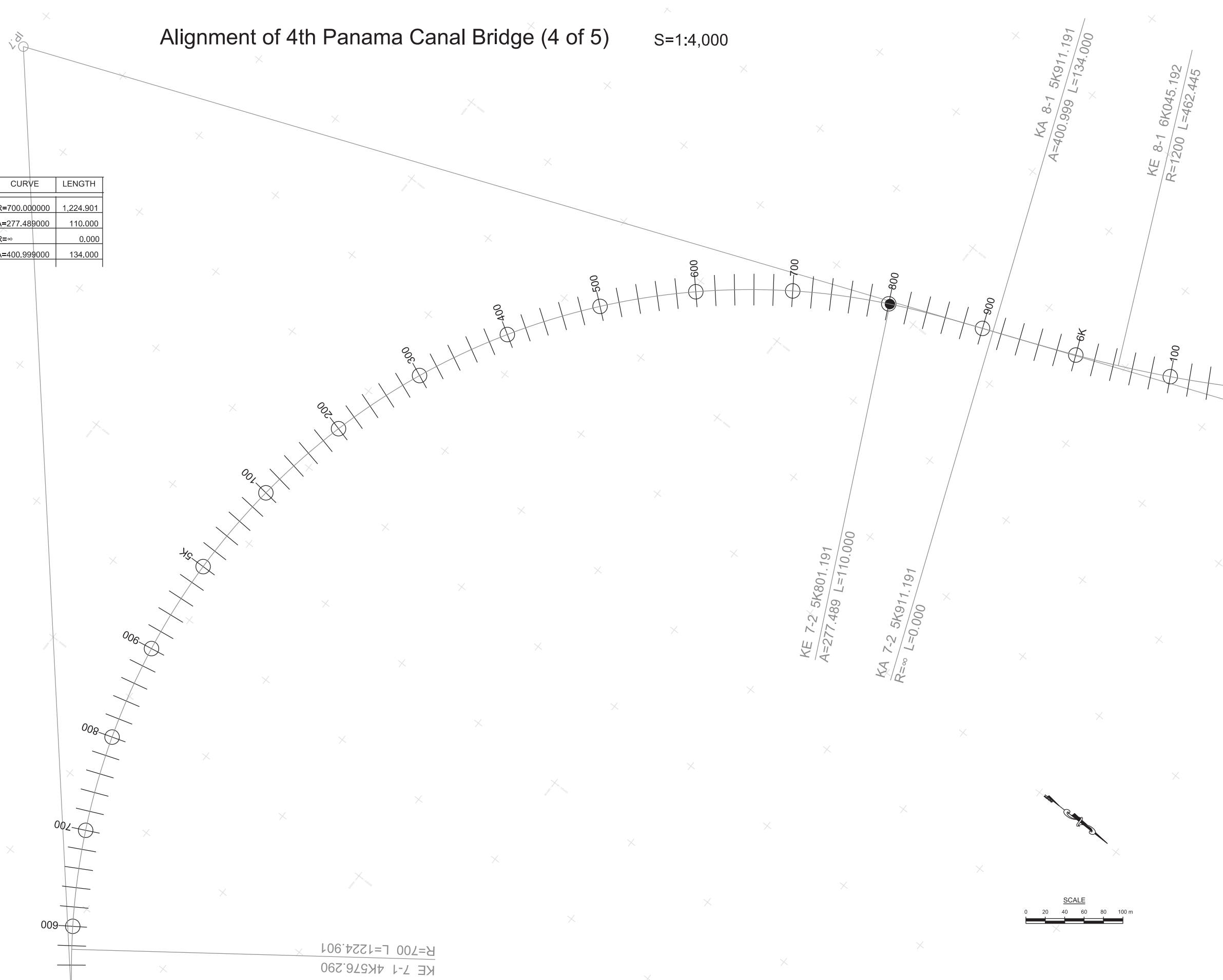
REMARKS:

Alignment of 4th Panama Canal Bridge (3 of 5)

# Alignment of 4th Panama Canal Bridge (4 of 5)

S=1:4,000

NAME	STATION	X	Y	CURVE	LENGTH
KE7-1	4K576.290	988,813.314094	656,842.027337	R=700.000000	1,224.901
KE7-2	5K801.191	989,068.265953	655,798.214949	A=277.489000	110.000
KA7-2	5K911.191	989,169.386219	655,754.993436	R=∞	0.000
KA8-1	5K911.191	989,169.386219	655,754.993436	A=400.999000	134.000
KE8-1	6K045.192	989,292.981275	655,703.269829		



SECRETARIA DEL METRO DE PANAMA



JAPAN INTERNATIONAL COOPERATION AGENCY

## THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

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DATE: May 2014  
SCALE: S=1:4,000

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APPROVED BY:

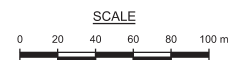
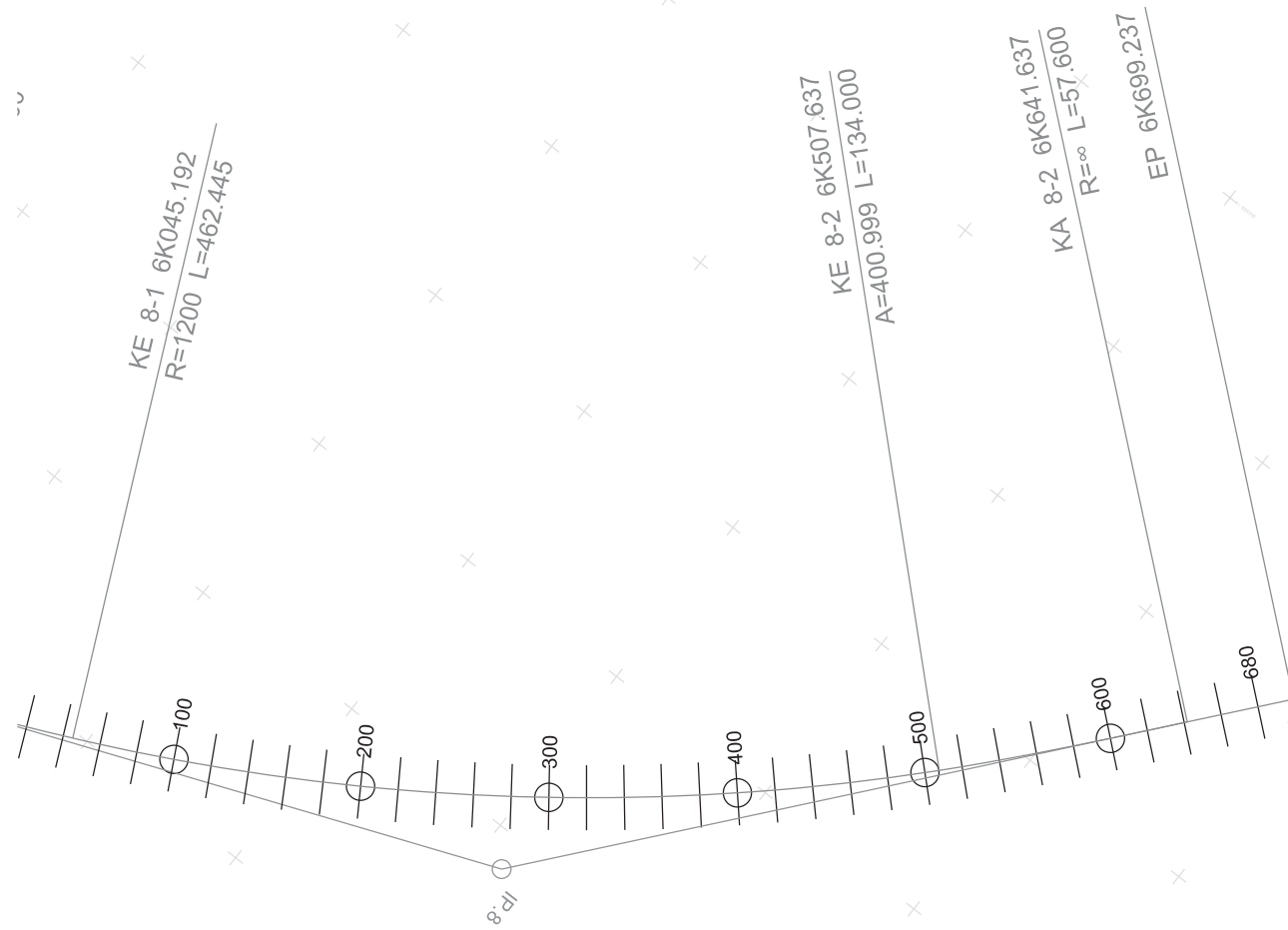
PAGE: 10 / 15

REMARKS:

Alignment of 4th Panama Canal Bridge (4 of 5)

# Alignment of 4th Panama Canal Bridge (5 of 5) S=1:4,000

NAME	STATION	X	Y	CURVE	LENGTH
KE8-1	6K045.192	989,292.981275	655,703.269829	R=1,200.000000	462.445
KE8-2	6K507.637	989,665.353268	655,433.898538		
KA8-2	6K641.637	989,753.156916	655,332.697804	A=400.999000	134.000
EP	6K699.237	989,790.088376	655,288.495685	R=∞	57.600



SECRETARIA DEL  
METRO DE PANAMÁ



JAPAN INTERNATIONAL  
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## THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

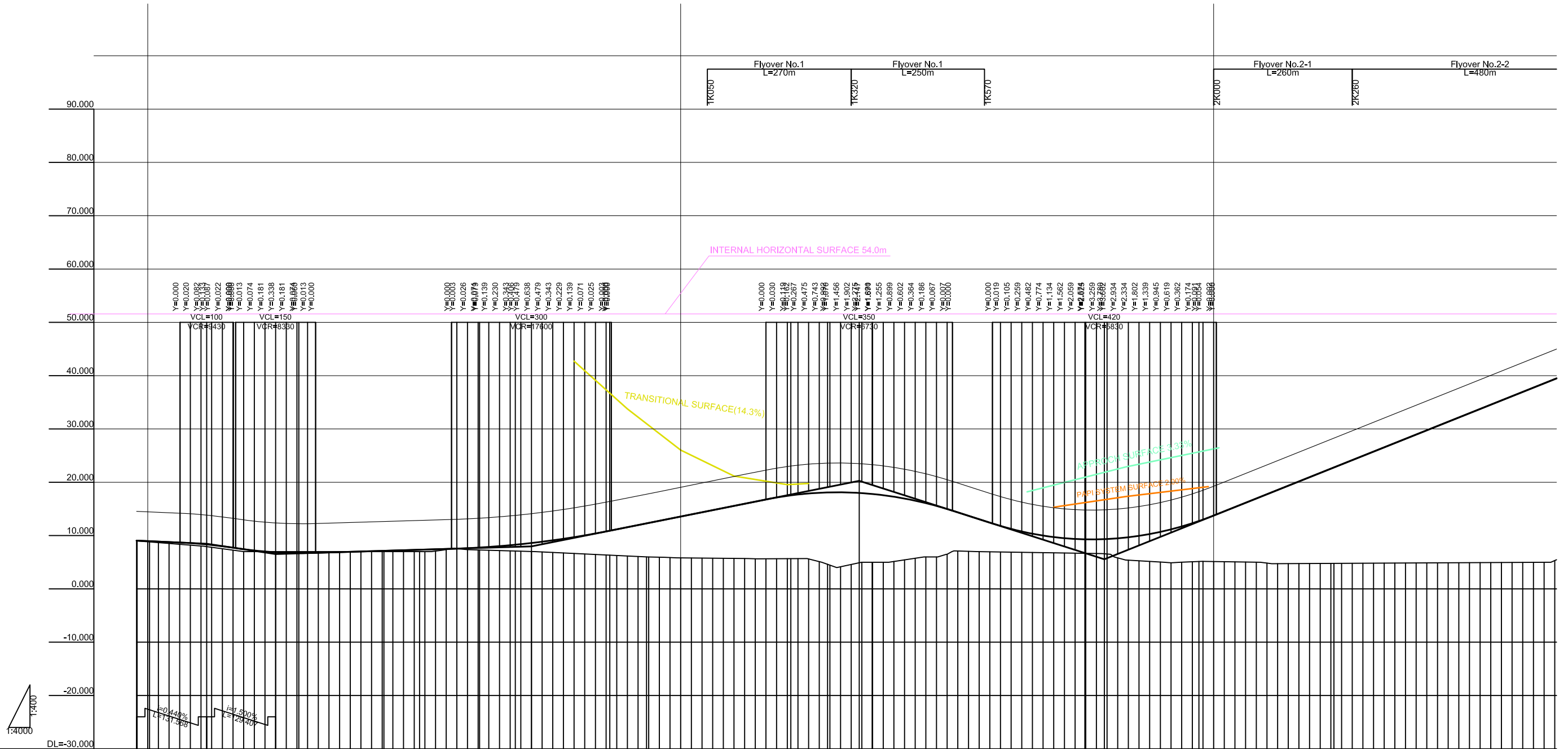
DRAWN:	DATE: May 2014	RECEIVED BY:	SUBMITTED BY:	CHECKED BY:	PAGE:
DESIGNED:	SCALE: S=1:4,000	TEAM LEADER/URBAN RAILWAY PLANNING	CIVIL AND FACILITY PLANNING	APPROVED BY:	11/15

REMARKS:

Alignment of 4th Panama Canal Bridge  
(5 of 5)

# Profile of 4th Panama Canal Bridge (1 of 3)

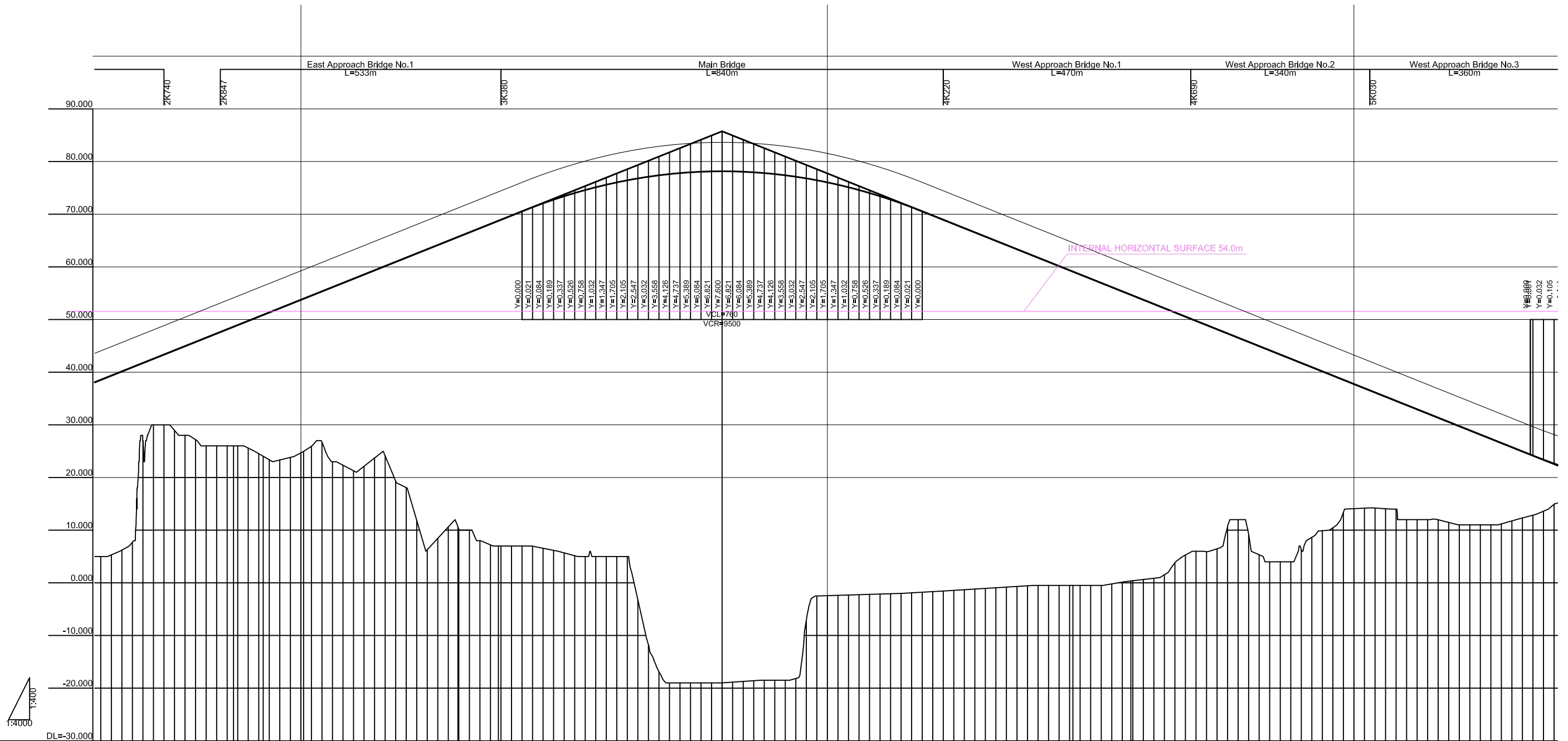
V=1:400  
H=1:4000



Gradient	Proposed Height	Ground Height	Station	Curve	Superelevation
9.050	9.046	8.002	600.000	R=1600.000 L=247.367	2.000
8.471	8.878	8.878	600.000	R=5000.000 L=280.116	2.000
6.530	8.694	8.514	600.000	R=∞	2.000
	8.596	8.355	600.000	R=∞	2.000
	8.436	8.196	600.000	R=∞	2.000
	8.243	7.957	600.000	R=∞	2.000
	8.006	7.720	600.000	R=∞	2.000
	7.730	7.484	600.000	R=∞	2.000
	7.444	7.204	600.000	R=∞	2.000
	7.012	7.012	600.000	R=∞	2.000
	6.868	7.000	600.000	R=∞	2.000
	6.772	7.000	600.000	R=∞	2.000
	6.724	7.000	600.000	R=∞	2.000
	6.720	7.000	600.000	R=∞	2.000
	6.770	7.000	600.000	R=∞	2.000
	6.830	7.000	600.000	R=∞	2.000
	6.890	7.000	600.000	R=∞	2.000
	6.950	7.000	600.000	R=∞	2.000
	7.010	7.000	600.000	R=∞	2.000
	7.070	7.000	600.000	R=∞	2.000
	7.130	7.000	600.000	R=∞	2.000
	7.188	7.000	600.000	R=∞	2.000
	7.250	7.000	600.000	R=∞	2.000
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	7.490	7.000	600.000	R=∞	2.000
	7.553	7.000	600.000	R=∞	2.000
	7.616	7.000	600.000	R=∞	2.000
	7.682	7.000	600.000	R=∞	2.000
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	8.186	7.000	600.000	R=∞	2.000
	8.248	7.000	600.000	R=∞	2.000
	8.310	7.000	600.000	R=∞	2.000
	8.372	7.000	600.000	R=∞	2.000
	8.434	7.000	600.000	R=∞	2.000
	8.496	7.000	600.000	R=∞	2.000
	8.558	7.000	600.000	R=∞	2.000
	8.620	7.000	600.000	R=∞	2.000
	8.682	7.000	600.000	R=∞	2.000
	8.744	7.000	600.000	R=∞	2.000
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	8.992	7.000	600.000	R=∞	2.000
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	12.402	7.000	600.000	R=∞	2.000
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	12.526	7.000	600.000	R=∞	2.000
	12.588	7.000	600.000	R=∞	2.000
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	12.774	7.000	600.000	R=∞	2.000
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	13.642	7.000	600.000	R=∞	2.000
	13.704	7.000	600.000	R=∞	2.000
	13.766	7.000	600.000	R=∞	2.000
	13.828	7.000	600.000	R=∞	2.000
	13.890	7.000	600.000	R=∞	2.000
	13.952	7.000	600.000	R=∞	2.000
	14.014	7.000	600.000	R=∞	2.000
	14.076	7.000	600.000	R=∞	2.000
	14.138	7.000	600.000	R=∞	2.000
	14.200	7.000	600.000	R=∞	2.000
	14.262	7.000	600.000	R=∞	2.000
	14.324	7.000	600.000	R=∞	2.000
	14.386	7.000	600.000	R=∞	2.000
	14.448	7.000	600.000	R=∞	2.000
	14.510	7.000	600.000	R=∞	2.000
	14.572	7.000	600.000	R=∞	2.000
	14.634	7.000	600.000	R=∞	2.000
	14.696	7.000	600.000	R=∞	2.000
	14.758	7.000	600.000	R=∞	2.000
	14.820	7.000	600.000	R=∞	2.000
	14.882	7.000	600.000	R=∞	2.000
	14.944	7.000	600.000	R=∞	2.000
	15.006	7.000	600.000	R=∞	2.000
	15.068	7.000	600.000	R=∞	2.000
	15.130	7.000	600.000	R=∞	2.000
	15.192	7.000	600.000	R=∞	2.000
	15.254	7.000	600.000	R=∞	2.000
	15.316	7.000	600.000	R=∞	2.000
	15.378	7.000	600.000	R=∞	2.000
	15.440	7.000	600.000	R=∞	2.000
	15.502	7.000	600.000	R=∞	2.000
	15.564	7.000	600.000	R=∞	2.000
	15.626	7.000	600.000	R=∞	2.000
	15.688	7.000	600.000	R=∞	2.000
	15.750	7.000	600.000	R=∞	2.000
	15.812	7.000	600.000	R=∞	2.000
	15.874	7.000	600.000	R=∞	2.000
	15.936	7.000	600.000	R=∞	2.000
	16.000	7.000	600.000	R=∞	2.000
	16.062	7.000	600.000	R=∞	2.000
	16.124	7.000	600.000	R=∞	2.000
	16.186	7.000	600.000	R=∞	2.000
	16.248	7.000	600.000	R=∞	2.000
	16.310	7.000	600.000	R=∞	2.000
	16.372	7.000	600.000	R=∞	2.000
	16.434	7.000	600.000	R=∞	2.000
	16.496	7.000	600.000	R=∞	2.000
	16.558	7.000	600.000	R=∞	2.000

# Profile of 4th Panama Canal Bridge (2 of 3)

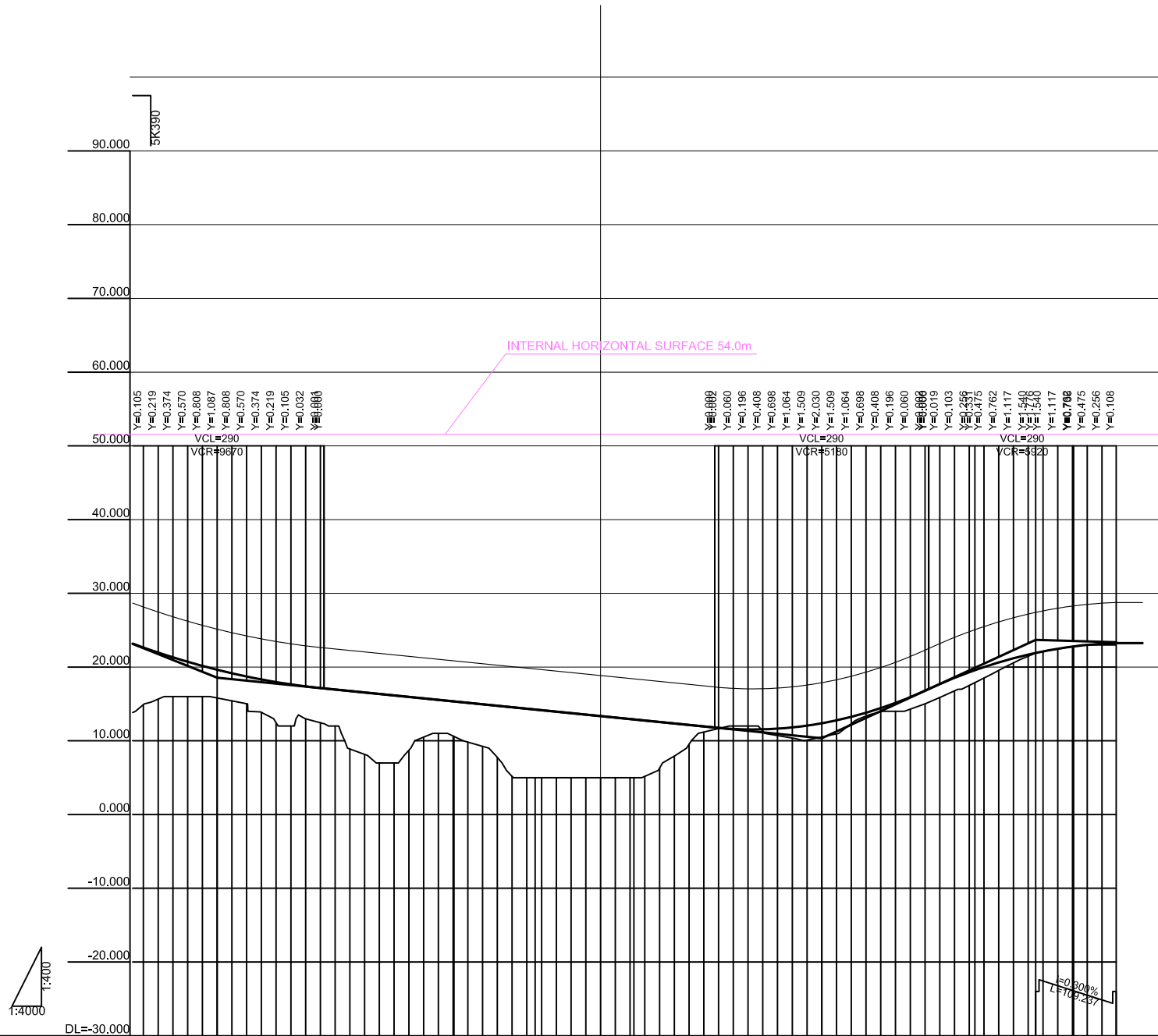
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Station	Proposed Height	Ground Height	Gradient	Curve	Superelevation
620.000	38.550	4.998	i=4.000% L=2000.000	L=249.009 R=630.000 L=76.825 R=220.000	4.800 1.600
640.000	39.350	5.313			
660.000	40.150	6.223	i=4.000% L=1600.000	L=293.069 R=630.000 L=76.825 R=220.000	8.800 6.800
680.000	40.950	7.706			
700.000	41.750	9.200	i=4.000% L=1600.000	L=1091.182 R=∞	2.000 2.000
720.000	42.550	10.700			
740.000	43.350	12.200	i=4.000% L=1600.000	L=110.000 R=277.489	2.000 1.055
760.000	44.150	13.700			
780.000	44.950	15.200	i=4.000% L=1600.000	L=1224.901 R=700.000	5.600 6.400
800.000	45.750	16.700			
820.000	46.550	18.200			
840.000	47.350	19.700			
860.000	48.150	21.200			
880.000	48.950	22.700			
900.000	49.750	24.200			
920.000	50.550	25.700			
940.000	51.350	27.200			
960.000	52.150	28.700			
980.000	52.950	30.200			
1000.000	53.750	31.700			
1020.000	54.550	33.200			
1040.000	55.350	34.700			
1060.000	56.150	36.200			
1080.000	56.950	37.700			
1100.000	57.750	39.200			
1120.000	58.550	40.700			
1140.000	59.350	42.200			
1160.000	60.150	43.700			
1180.000	60.950	45.200			
1200.000	61.750	46.700			
1220.000	62.550	48.200			
1240.000	63.350	49.700			
1260.000	64.150	51.200			
1280.000	64.950	52.700			
1300.000	65.750	54.200			
1320.000	66.550	55.700			
1340.000	67.350	57.200			
1360.000	68.150	58.700			
1380.000	68.950	60.200			
1400.000	69.750	61.700			
1420.000	70.550	63.200			
1440.000	71.350	64.700			
1460.000	72.150	66.200			
1480.000	72.950	67.700			
1500.000	73.750	69.200			
1520.000	74.550	70.700			
1540.000	75.350	72.200			
1560.000	76.150	73.700			
1580.000	76.950	75.200			
1600.000	77.750	76.700			
1620.000	78.550	78.200			
1640.000	79.350	79.700			
1660.000	80.150	81.200			
1680.000	80.950	82.700			
1700.000	81.750	84.200			
1720.000	82.550	85.700			
1740.000	83.350	87.200			
1760.000	84.150	88.700			
1780.000	84.950	90.200			
1800.000	85.750	91.700			
1820.000	86.550	93.200			
1840.000	87.350	94.700			
1860.000	88.150	96.200			
1880.000	88.950	97.700			
1900.000	89.750	99.200			
1920.000	90.550	100.700			
1940.000	91.350	102.200			
1960.000	92.150	103.700			
1980.000	92.950	105.200			
2000.000	93.750	106.700			
2020.000	94.550	108.200			
2040.000	95.350	109.700			
2060.000	96.150	111.200			
2080.000	96.950	112.700			
2100.000	97.750	114.200			
2120.000	98.550	115.700			
2140.000	99.350	117.200			
2160.000	100.150	118.700			
2180.000	100.950	120.200			
2200.000	101.750	121.700			
2220.000	102.550	123.200			
2240.000	103.350	124.700			
2260.000	104.150	126.200			
2280.000	104.950	127.700			
2300.000	105.750	129.200			
2320.000	106.550	130.700			
2340.000	107.350	132.200			
2360.000	108.150	133.700			
2380.000	108.950	135.200			
2400.000	109.750	136.700			
2420.000	110.550	138.200			
2440.000	111.350	139.700			
2460.000	112.150	141.200			
2480.000	112.950	142.700			
2500.000	113.750	144.200			
2520.000	114.550	145.700			
2540.000	115.350	147.200			
2560.000	116.150	148.700			
2580.000	116.950	150.200			
2600.000	117.750	151.700			
2620.000	118.550	153.200			
2640.000	119.350	154.700			
2660.000	120.150	156.200			
2680.000	120.950	157.700			
2700.000	121.750	159.200			
2720.000	122.550	160.700			
2740.000	123.350	162.200			
2760.000	124.150	163.700			
2780.000	124.950	165.200			
2800.000	125.750	166.700			
2820.000	126.550	168.200			
2840.000	127.350	169.700			
2860.000	128.150	171.200			
2880.000	128.950	172.700			
2900.000	129.750	174.200			
2920.000	130.550	175.700			
2940.000	131.350	177.200			
2960.000	132.150	178.700			
2980.000	132.950	180.200			
3000.000	133.750	181.700			
3020.000	134.550	183.200			
3040.000	135.350	184.700			
3060.000	136.150	186.200			
3080.000	136.950	187.700			
3100.000	137.750	189.200			
3120.000	138.550	190.700			
3140.000	139.350	192.200			
3160.000	140.150	193.700			
3180.000	140.950	195.200			
3200.000	141.750	196.700			
3220.000	142.550	198.200			
3240.000	143.350	199.700			
3260.000	144.150	201.200			
3280.000	144.950	202.700			
3300.000	145.750	204.200			
3320.000	146.550	205.700			
3340.000	147.350	207.200			
3360.000	148.150	208.700			
3380.000	148.950	210.200			
3400.000	149.750	211.700			
3420.000	150.550	213.200			
3440.000	151.350	214.700			
3460.000	152.150	216.200			
3480.000	152.950	217.700			
3500.000	153.750	219.200			
3520.000	154.550	220.700			
3540.000	155.350	222.200			
3560.000	156.150	223.700			
3580.000	156.950	225.200			
3600.000	157.750	226.700			
3620.000	158.550	228.200			
3640.000	159.350	229.700			
3660.000	160.150	231.200			
3680.000	160.950	232.700			
3700.000	161.750	234.200			
3720.000	162.550	235.700			
3740.000	163.350	237.200			
3760.000	164.150	238.700			
3780.000	164.950	240.200			
3800.000	165.750	241.700			

# Profile of 4th Panama Canal Bridge (3 of 3)

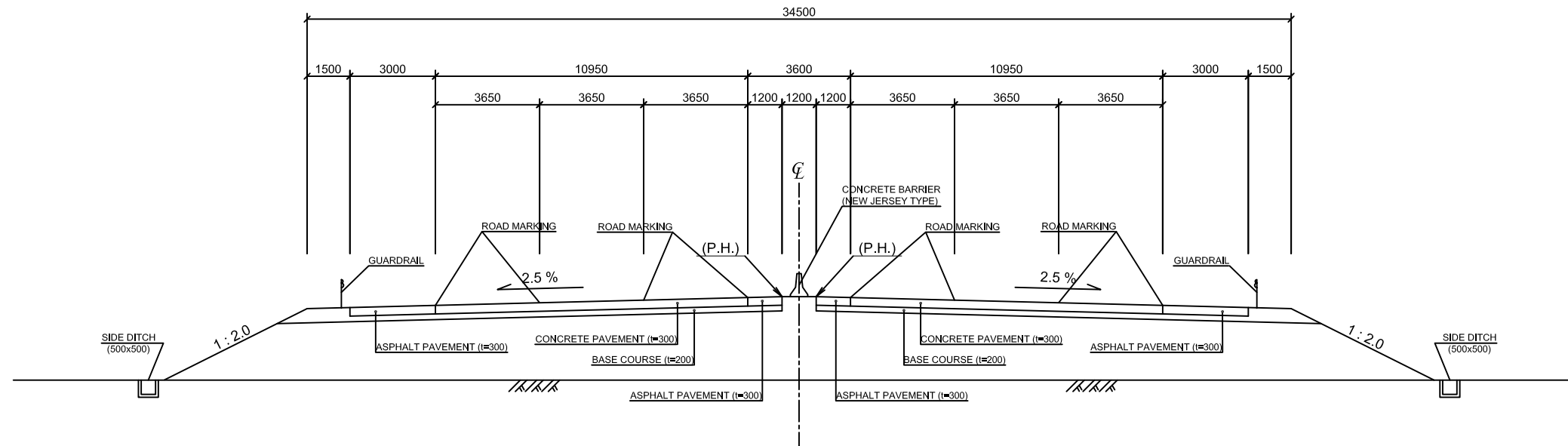
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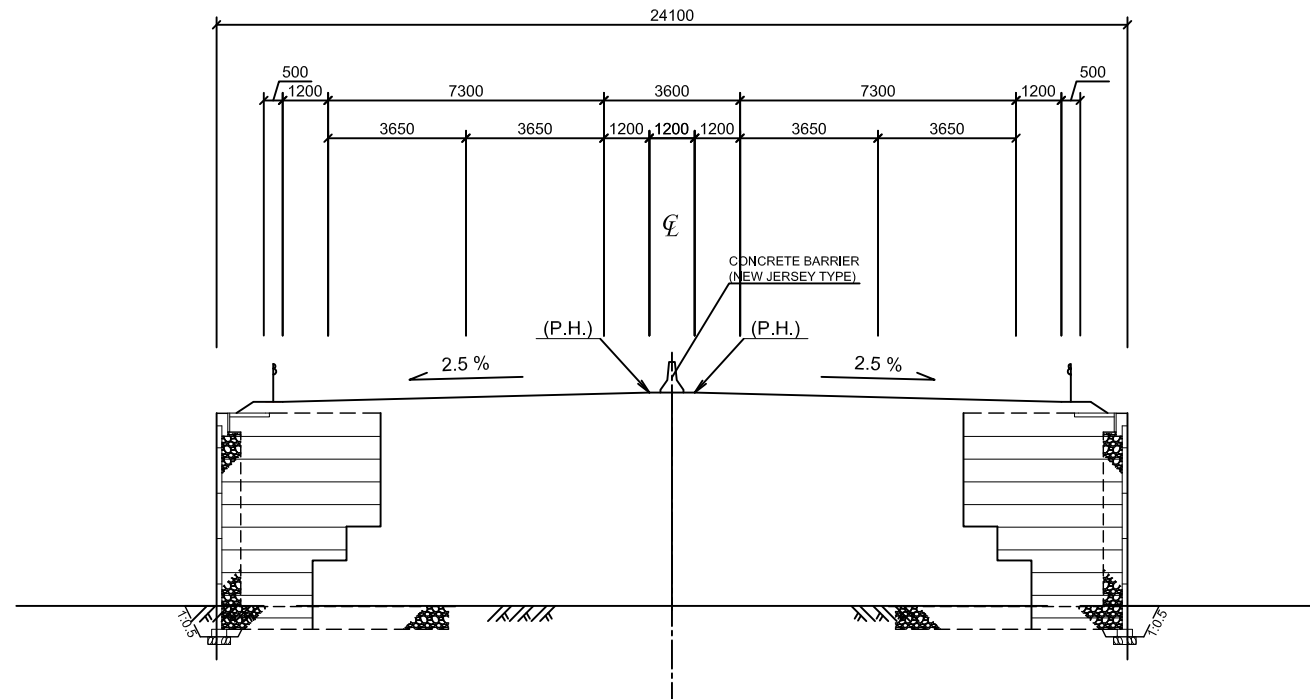
Gradient	Proposed Height	Ground Height	Station	Curve	Superelevation
18.550	22.655	14.905	380.000	L=110.000 R=∞ A=277.469 L=134.000	8.400 6.400
	21.989	15.656	400.000		
	21.324	16.000	420.000	R=1200.000 L=462.445	4.200 4.200
	20.720	16.000	440.000		
	20.158	16.000	460.000	A=400.989 R=∞ L=134.000	4.200 4.200
	19.638	15.808	480.000		
	19.158	15.417	500.000	R=∞	2.000 2.000
	18.720	15.026	520.000		
	18.324	14.635	540.000	R=∞	2.000 2.000
	17.969	14.243	560.000		
	17.655	13.852	580.000	R=∞	2.000 2.000
	17.382	13.461	600.000		
	17.151	13.070	620.000	R=∞	2.000 2.000
	16.950	12.679	640.000		
	16.750	12.288	660.000	R=∞	2.000 2.000
	16.550	11.897	680.000		
	16.350	11.506	700.000	R=∞	2.000 2.000
	16.150	11.115	720.000		
	15.950	10.724	740.000	R=∞	2.000 2.000
	15.750	10.333	760.000		
	15.550	9.942	780.000	R=∞	2.000 2.000
	15.350	9.551	800.000		
	15.150	9.160	820.000	R=∞	2.000 2.000
	14.950	8.769	840.000		
	14.750	8.378	860.000	R=∞	2.000 2.000
	14.550	7.987	880.000		
	14.350	7.596	900.000	R=∞	2.000 2.000
	14.150	7.205	920.000		
	13.950	6.814	940.000	R=∞	2.000 2.000
	13.750	6.423	960.000		
	13.550	6.032	980.000	R=∞	2.000 2.000
	13.350	5.641	1000.000		
	13.150	5.250	1020.000	R=∞	2.000 2.000
	12.950	4.859	1040.000		
	12.750	4.468	1060.000	R=∞	2.000 2.000
	12.550	4.077	1080.000		
	12.350	3.686	1100.000	R=∞	2.000 2.000
	12.150	3.295	1120.000		
	11.950	2.904	1140.000	R=∞	2.000 2.000
	11.750	2.513	1160.000		
	11.550	2.122	1180.000	R=∞	2.000 2.000
	11.350	1.731	1200.000		
	11.150	1.340	1220.000	R=∞	2.000 2.000
	10.950	0.949	1240.000		
	10.750	0.558	1260.000	R=∞	2.000 2.000
	10.550	0.167	1280.000		
	10.350	-0.224	1300.000	R=∞	2.000 2.000
	10.150	-0.633	1320.000		
	9.950	-1.042	1340.000	R=∞	2.000 2.000
	9.750	-1.451	1360.000		
	9.550	-1.860	1380.000	R=∞	2.000 2.000
	9.350	-2.269	1400.000		
	9.150	-2.678	1420.000	R=∞	2.000 2.000
	8.950	-3.087	1440.000		
	8.750	-3.496	1460.000	R=∞	2.000 2.000
	8.550	-3.905	1480.000		
	8.350	-4.314	1500.000	R=∞	2.000 2.000
	8.150	-4.723	1520.000		
	7.950	-5.132	1540.000	R=∞	2.000 2.000
	7.750	-5.541	1560.000		
	7.550	-5.950	1580.000	R=∞	2.000 2.000
	7.350	-6.359	1600.000		
	7.150	-6.768	1620.000	R=∞	2.000 2.000
	6.950	-7.177	1640.000		
	6.750	-7.586	1660.000	R=∞	2.000 2.000
	6.550	-7.995	1680.000		
	6.350	-8.404	1700.000	R=∞	2.000 2.000
	6.150	-8.813	1720.000		
	5.950	-9.222	1740.000	R=∞	2.000 2.000
	5.750	-9.631	1760.000		
	5.550	-10.040	1780.000	R=∞	2.000 2.000
	5.350	-10.449	1800.000		
	5.150	-10.858	1820.000	R=∞	2.000 2.000
	4.950	-11.267	1840.000		
	4.750	-11.676	1860.000	R=∞	2.000 2.000
	4.550	-12.085	1880.000		
	4.350	-12.494	1900.000	R=∞	2.000 2.000
	4.150	-12.903	1920.000		
	3.950	-13.312	1940.000	R=∞	2.000 2.000
	3.750	-13.721	1960.000		
	3.550	-14.130	1980.000	R=∞	2.000 2.000
	3.350	-14.539	2000.000		
	3.150	-14.948	2020.000	R=∞	2.000 2.000
	2.950	-15.357	2040.000		
	2.750	-15.766	2060.000	R=∞	2.000 2.000
	2.550	-16.175	2080.000		
	2.350	-16.584	2100.000	R=∞	2.000 2.000
	2.150	-16.993	2120.000		
	1.950	-17.402	2140.000	R=∞	2.000 2.000
	1.750	-17.811	2160.000		
	1.550	-18.220	2180.000	R=∞	2.000 2.000
	1.350	-18.629	2200.000		
	1.150	-19.038	2220.000	R=∞	2.000 2.000
	0.950	-19.447	2240.000		
	0.750	-19.856	2260.000	R=∞	2.000 2.000
	0.550	-20.265	2280.000		
	0.350	-20.674	2300.000	R=∞	2.000 2.000
	0.150	-21.083	2320.000		
	0.000	-21.492	2340.000	R=∞	2.000 2.000
	0.000	-21.901	2360.000		
	0.000	-22.310	2380.000	R=∞	2.000 2.000
	0.000	-22.719	2400.000		
	0.000	-23.128	2420.000	R=∞	2.000 2.000
	0.000	-23.537	2440.000		
	0.000	-23.946	2460.000	R=∞	2.000 2.000
	0.000	-24.355	2480.000		
	0.000	-24.764	2500.000	R=∞	2.000 2.000
	0.000	-25.173	2520.000		
	0.000	-25.582	2540.000	R=∞	2.000 2.000
	0.000	-25.991	2560.000		
	0.000	-26.400	2580.000	R=∞	2.000 2.000
	0.000	-26.809	2600.000		
	0.000	-27.218	2620.000	R=∞	2.000 2.000
	0.000	-27.627	2640.000		
	0.000	-28.036	2660.000	R=∞	2.000 2.000
	0.000	-28.445	2680.000		
	0.000	-28.854	2700.000	R=∞	2.000 2.000
	0.000	-29.263	2720.000		
	0.000	-29.672	2740.000	R=∞	2.000 2.000
	0.000	-30.081	2760.000		
	0.000	-30.490	2780.000	R=∞	2.000 2.000
	0.000	-30.899	2800.000		
	0.000	-31.308	2820.000	R=∞	2.000 2.000
	0.000	-31.717	2840.000		
	0.000	-32.126	2860.000	R=∞	2.000 2.000
	0.000	-32.535	2880.000		
	0.000	-32.944	2900.000	R=∞	2.000 2.000
	0.000	-33.353	2920.000		
	0.000	-33.762	2940.000	R=∞	2.000 2.000
	0.000	-34.171	2960.000		
	0.000	-34.580	2980.000	R=∞	2.000 2.000
	0.000	-34.989	3000.000		
	0.000	-35.398	3020.000	R=∞	2.000 2.000
	0.000	-35.807	3040.000		
	0.000	-36.216	3060.000	R=∞	2.000 2.000
	0.000	-36.625	3080.000		
	0.000	-37.034	3100.000	R=∞	2.000 2.000
	0.000	-37.443	3120.000		
	0.000	-37.852	3140.000	R=∞	2.000 2.000
	0.000	-38.261	3160.000		
	0.000	-38.670	3180.000	R=∞	2.000 2.000
	0.000	-39.079	3200.000		
	0.000	-39.488	3220.000	R=∞	2.000 2.000
	0.000	-39.897	3240.000		
	0.000	-40.306	3260.000	R=∞	2.000 2.000
	0.000	-40.715	3280.000		
	0.000	-41.124	3300.000	R=∞	2.000 2.000
	0.000	-41.533	3320.000		
	0.000	-41.942	3340.000	R=∞	2.000 2.000
	0.000	-42.351	3360.000		
	0.000	-42.760	3380.000	R=∞	2.000 2.000
	0.000	-43.169	3400.000		
	0.000	-43.578	3420.000	R=∞	2.000 2.000
	0.000	-43.987	3440.000		
	0.000	-44.396	3460.000	R=∞	2.000 2.000
	0.000	-44.805	3480.000		
	0.000	-45.214	3500.000	R=∞	2.000 2.000
	0.000	-45.623	3520.000		
	0.000	-46.032	3540.000	R=∞	2.000 2.000
	0.000	-46.441	3560.000		
	0.000	-46.850	3580.000	R=∞	2.000 2.000
	0.000	-47.259	3600.000		
	0.000	-47.668	3620.000	R=∞	2.000 2.000
	0.000	-48.077	3640.000		
	0.000	-48.486	3660.000	R=∞	2.000 2.000
	0.000	-48.895	3680.000		
	0.000	-49.304	3700.000	R=∞	2.000 2.000
	0.000	-49.713	3720.000		
	0.000	-50.122	3740.000	R=∞	2.000 2.000
	0.000	-50.531	3760.000		
	0.000	-50.940	3780.000	R=∞	2.000 2.000
	0.000	-51.349	3800.000		
	0.000	-51.758	3820.000	R=∞	2.000 2.000
	0.000	-52.167	3840.000		
	0.000	-52.576	3860.000	R=∞	2.000 2.000
	0.000	-52.985	3880.000		
	0.000	-53.394	3900.000	R=∞	2.000 2.000
	0.000	-53.803	3920.000		
	0.000	-54.212	3940.000	R=∞	2.000 2.000
	0.000	-54.621	3960.000		
	0.000	-55.030	3980.000	R=∞	2.000 2.000
	0.000	-55.439	4000.000		
	0.000	-55.848	4020.000	R=∞	

# Typical Cross Sections S=1:200

## EARTH WORK (6 LANE WITHOUT SIDE WALK)



## REINFORCED EARTH (4 LANE WITHOUT SIDE WALK)



SECRETARIA DEL METRO DE PANAMA



JAPAN INTERNATIONAL COOPERATION AGENCY

### THE FEASIBILITY STUDY ON PANAMA CITY URBAN TRANSPORTATION LINE-3 PROJECT

DRAWN:  
DESIGNED:

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SCALE: S=1:200

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REMARKS:

Typical Cross Sections