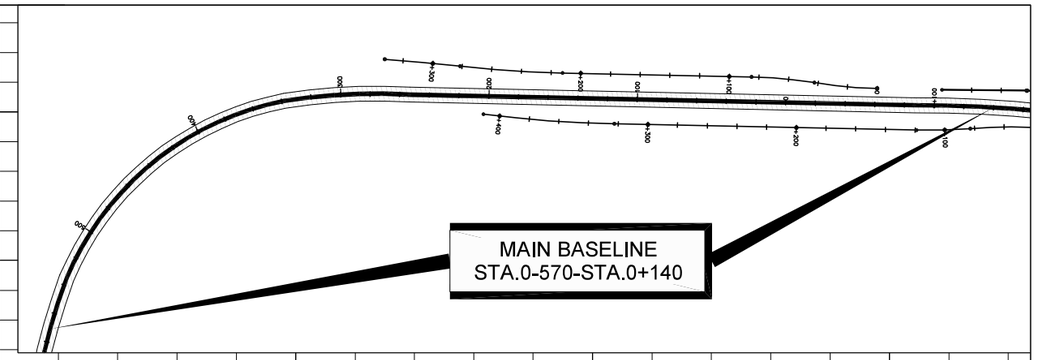


MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

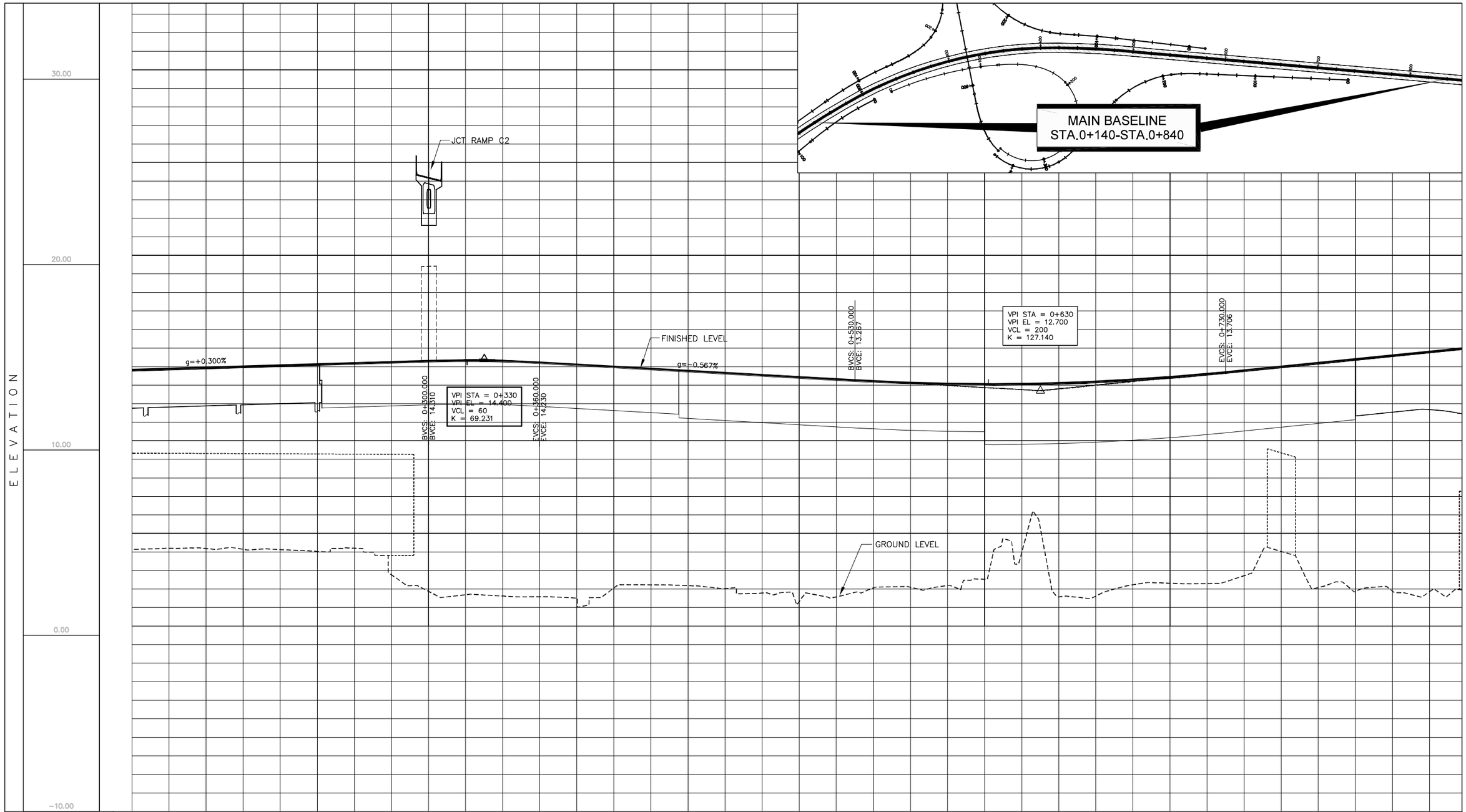
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE

MAINLINE
STA.0-570-STA.0+140

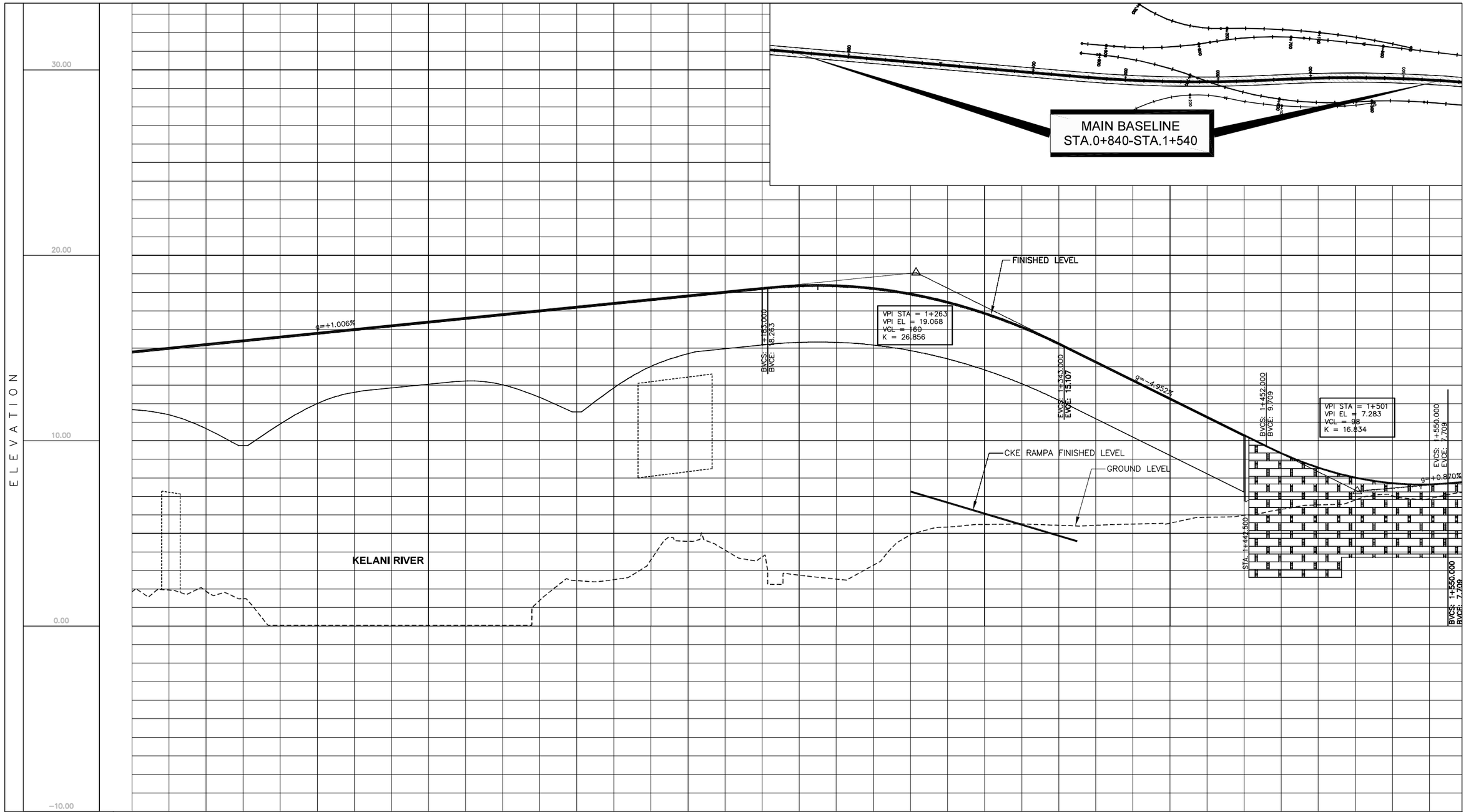
DESIGNED BY:
CHECKED BY:
APPROVED BY:

DWG. NO. H-06



CHAINAGE		0+200							0+300							0+400							0+500							0+600							0+700							0+800						
FINISHED LEVEL		13.830	13.890	13.950	14.010	14.070	14.130	14.190	14.250	14.310	14.341	14.314	14.230	14.117	14.003	13.890	13.777	13.663	13.550	13.437	13.323	13.214	13.132	13.082	13.063	13.075	13.119	13.194	13.301	13.440	13.609	13.807	14.008	14.209	14.410	14.611	14.813									
GROUND LEVEL		4.13	4.20	4.18	4.14	4.12	4.03	4.20	2.77	1.87	1.69	1.62	1.59	1.51	2.06	2.23	2.19	2.02	1.78	1.33	1.58	2.06	2.10	2.19	2.53	3.98	1.58	1.62	2.23	2.31	2.29	2.72	4.03	2.08	1.87	1.89	1.86									
VERTICAL ALIGNMENT		L=112.500m		SC 0+199.037					R=450.000 L=198.287					CS 0+397.324			A=225	L=112.500m		SC					R=∝																						
HORIZONTAL ALIGNMENT		g=+0.300%							BVSC CURVE − 3 VCL = 60 EVCE							g=−0.567%							BVSC				CURVE − 4 VCL = 200							EVCE		g=+1.006%										
SUPERELEVATION		1/154		0+199.037					5.0%					0+397.324			1/154			0+509.824					−2.5%																						
		1/462							−5.0%								1/462																															

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	**PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE** PROFILE MAINLINE STA.0+140-STA.0+840	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-07



CHAINAGE				0+900					1+000					1+100				
FINISHED LEVEL	14.813	15.014	15.215	15.416	15.617	15.819	16.020	16.221	16.422	16.623	16.825	17.026	17.227	17.428	17.629	17.831	18.032	18.233
GROUND LEVEL	1.86	1.95	1.88	1.48	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1.39	2.46	2.51	3.57	4.58	4.10	3.73

CHAINAGE	1+200					1+300 2+100					1+400					1+500		
FINISHED LEVEL	18.380	18.381	18.232	17.934	17.487	16.892	16.147	15.254	14.265	13.275	12.284	11.294	10.304	9.332	8.556	8.017	7.716	7.652
GROUND LEVEL	2.75	2.53	3.29	4.93	5.34	5.48	5.51	5.44	5.44	5.50	5.55	5.86	5.98	6.30	6.54	6.81	7.03	6.89

VERTICAL ALIGNMENT: R=∝ 1+149.997 R=1500.000 L=211.183 1+361.180 1+361.180 R=1500.000 L=214.696

HORIZONTAL ALIGNMENT: g=+1.006% BVSC CURVE − 5 VCL = 160 EVCE g=−4.952% BVSC CURVE − 6 VCL = 98 EVCE g=+0.87 BV

SUPERELEVATION: −2.5%

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

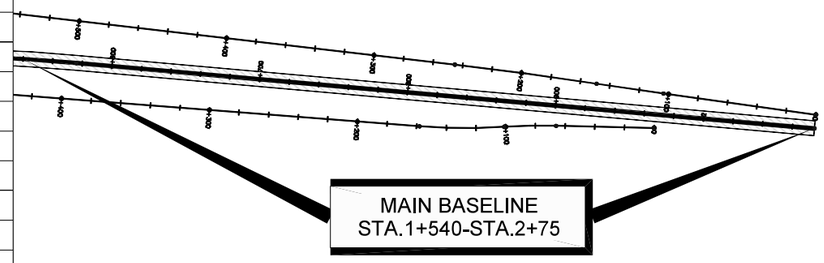
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE

MAINLINE
STA.0+840-STA.1+540

DESIGNED BY:
CHECKED BY:
APPROVED BY:

DWG. NO. H-08



CHAINAGE				1+600					1+700					1+800					1+900					2+000				2+75						2+200
FINISHED LEVEL	7.652	7.793	7.939	8.056	8.146	8.207	8.240	8.246	8.223	8.171	8.092	7.985	7.849	7.685	7.493	7.273	7.025	6.749	6.445	6.112	5.751	5.362	4.953	4.579	4.253	3.976	3.747	3.607						
GROUND LEVEL	6.89	7.24	7.35	7.39	7.33	7.48	7.54	7.56	7.62	7.68	7.61	7.46	7.29	7.12	6.93	6.59	6.52	6.25	5.99	5.63	5.28	4.81	4.44	4.05	3.66	3.39	3.13	3.350	3.242	3.182	3.169	3.169	3.169	

VERTICAL ALIGNMENT
1+575.876

HORIZONTAL ALIGNMENT
VCE g=+0.870% BVSC
CURVE – 7
VCL = 420
BVSC g=−2.085% EVCE
CURVE – 8
VCL = 172.526
EVCE g=+0.000%

SUPERELEVATION
−2.5%

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

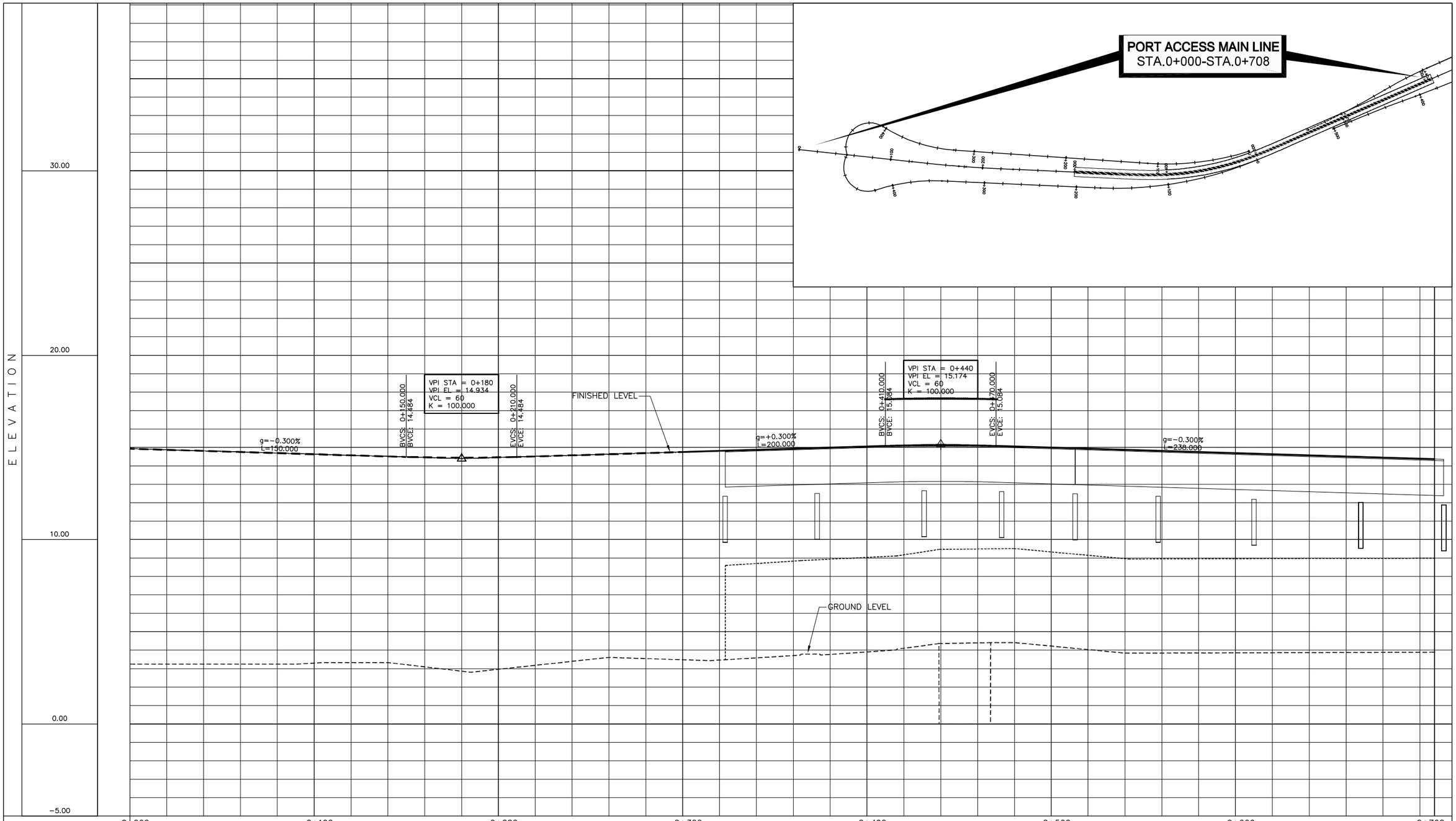
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE

MAINLINE
STA.1+540-STA.2+75

DESIGNED BY:
CHECKED BY:
APPROVED BY:

DWG. NO. H-09



CHAINAGE	0+000					0+100					0+200		
FINISHED LEVEL	14.934	14.874	14.814	14.754	14.694	14.634	14.574	14.514	14.459	14.439	14.459	14.514	14.574
GROUND LEVEL	3.24	3.24	3.24	3.24	3.24	3.30	3.33	3.33	3.09	2.86	2.96	3.18	3.39

CHAINAGE				0+300					0+400			
FINISHED LEVEL	14.634	14.694	14.754	14.814	14.874	14.934	14.994	15.054	15.109	15.129	15.109	15.054
GROUND LEVEL	3.61	3.54	3.48	3.46	3.58	3.71	3.77	3.90	4.07	0.00	0.00	4.41

CHAINAGE		0+500					0+600					0+708
FINISHED LEVEL	14.994	14.934	14.874	14.814	14.754	14.694	14.634	14.574	14.514	14.454	14.394	14.370
GROUND LEVEL	4.33	4.09	3.84	3.85	3.85	3.86	3.86	3.87	3.88	3.88	3.89	3.89

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

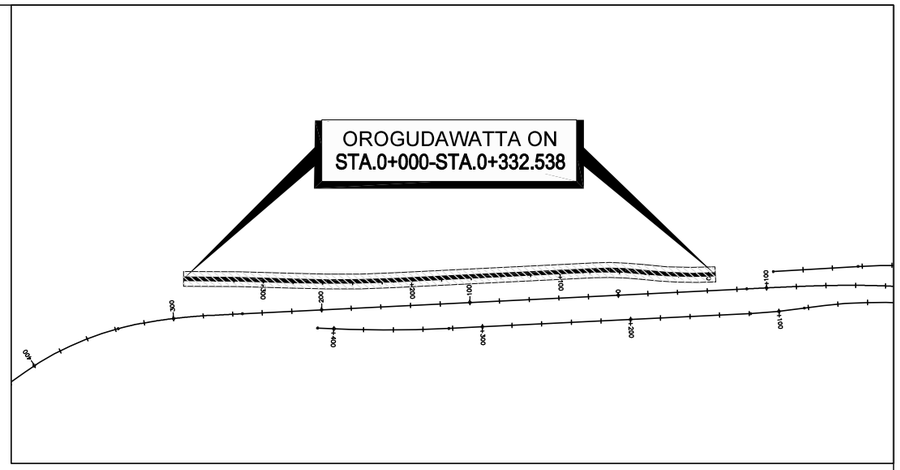
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

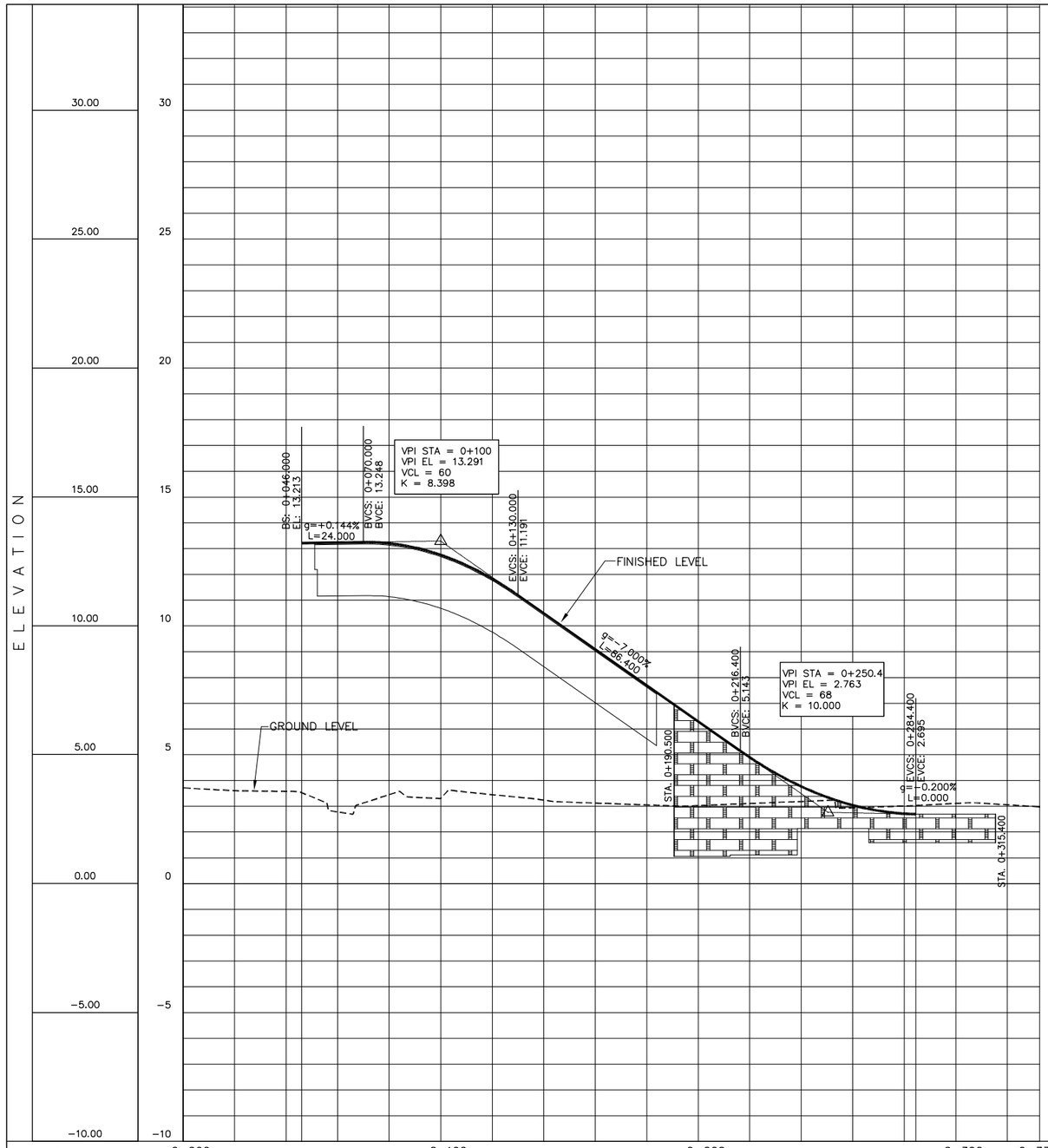
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE
PORT ACCESS LINE
STA.0+000-STA.0+708

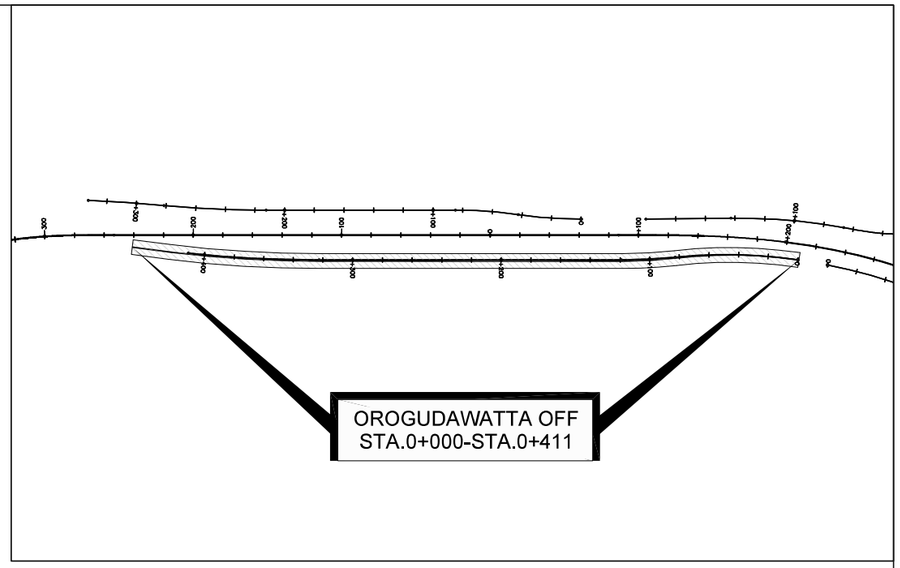
DESIGNED BY:
CHECKED BY:
APPROVED BY:
DWG. NO. H-10





CHAINAGE		0+000					0+100					0+200					0+300		0+332.538
FINISHED LEVEL				13.213	13.233	13.203	12.755	11.831	10.491	9.091	7.691	6.291	4.897	3.769	3.041	2.713	2.695		
GROUND LEVEL	3.71	3.60	3.58	3.53	2.78	3.45	3.30	3.45	3.24	3.12	3.05	3.02	3.11	3.19	2.94	3.01	3.02	3.11	3.06	2.98
VERTICAL ALIGNMENT		g=+0.144% L=24.000 BVSC					CURVE # 1 VCL = 60		EVCE		g=−7.000% L=86.400		BVSC		CURVE # 2 VCL = 68.000			EVCE	g=−0.200% L=0.000	
HORIZONTAL ALIGNMENT		0+000.000	0+042.462 R=300.000 L=42.462		R=300.000 L=42.462	0+084.924		R=∞ L=127.421				0+212.344	R=783.000 L=69.066			0+281.410	R=1448.000 L=51.128	0+332.538	
SUPERELEVATION		STA.0+144.000					2.5% NC −2.5%											STA.0+284.400	

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					PROFILE ORUGODAWATTA ON RAMP STA. 0+0 - STA. 0+332.538	APPROVED BY:	
		No	REVISION	DATE		DWG. NO.	H-11



ELEVATION

30.00
25.00
20.00
15.00
10.00
5.00
0.00
−5.00
−10.00

VPI STA = 0+155
VPI EL = 13.089
VCL = 70
K = 10.448

BS: 0+097.554
EL= 14.261

BVCS: 0+120.000
BVCE: 13.194

g=−0.300%
L=22.446

EVCS: 0+190.000
EVCE: 10.639

FINISHED LEVEL

g=−7.000%
L=75.500

VPI STA = 0+300.5
VPI EL = 2.904
VCL = 70
K = 10.267

BVCS: 0+265.5
BVCE: 5.354

GROUND LEVEL

STA. 0+234.500

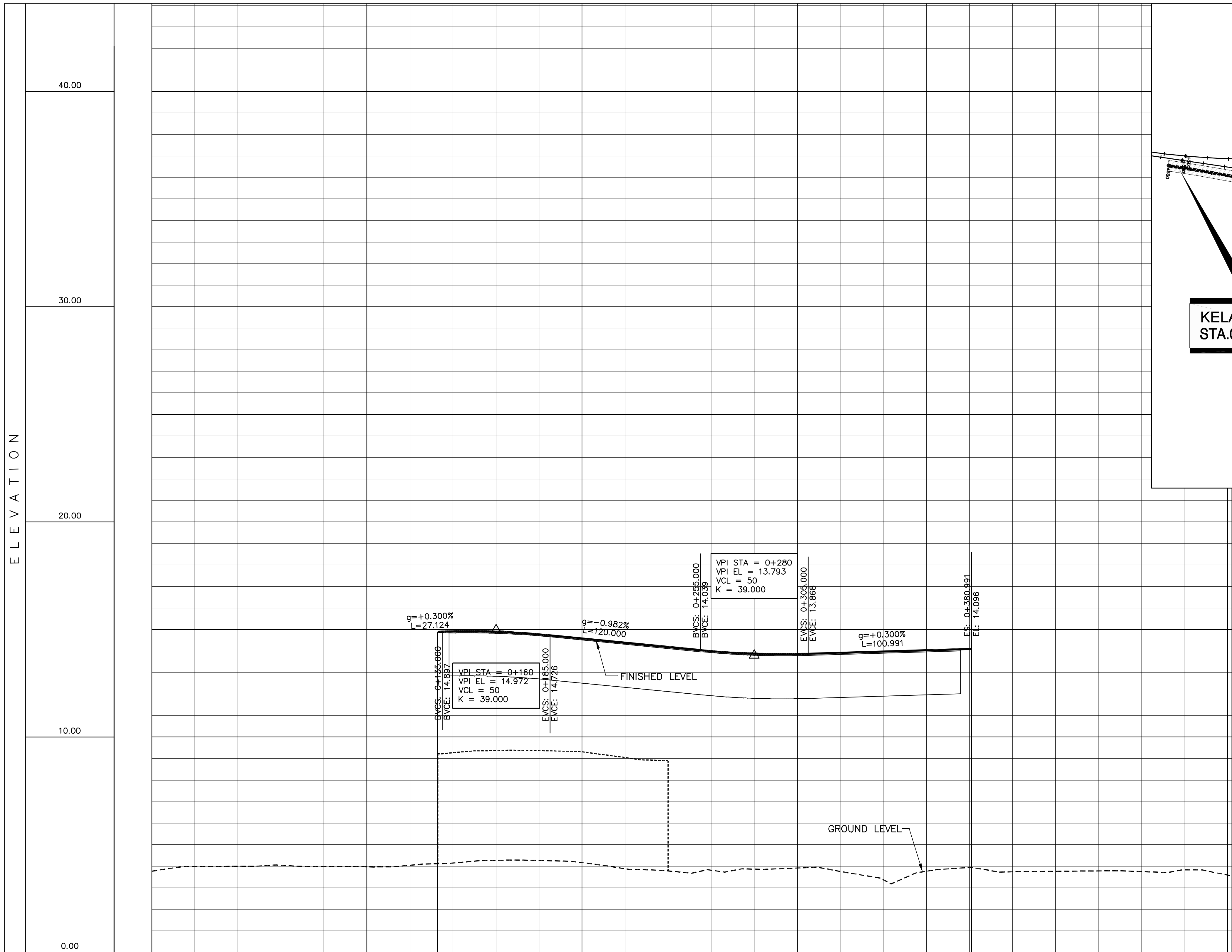
EVCS: 0+335.5
EVCE: 2.840

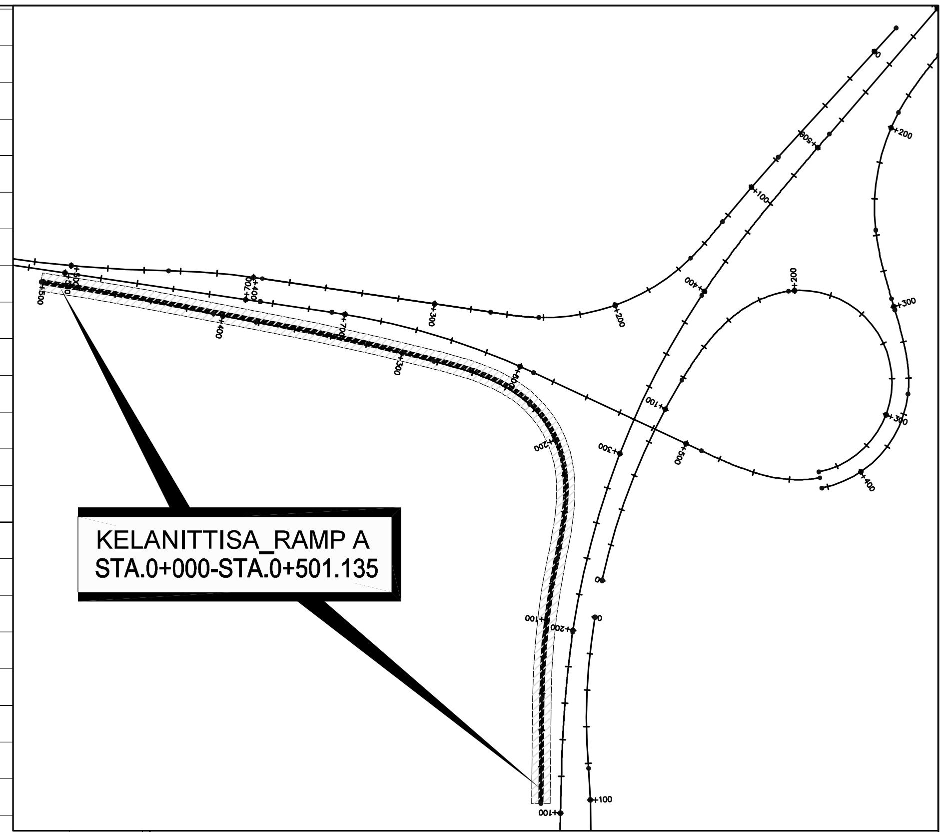
g=−0.182%
L=0.000

STA. 0+359.100

CHAINAGE	0+000					0+100					0+200					0+300					0+400	0+411.000
FINISHED LEVEL						13.261	13.254	13.194	12.942	12.308	11.291	9.939	8.539	7.139	5.739	4.441	3.518	2.985	2.840			
GROUND LEVEL						3.96	3.96	3.91	3.82	3.73	3.64	3.34	3.48	3.38	3.35	3.21	3.04	2.95	3.00	3.00	2.74	2.72	2.69	2.73	2.76
VERTICAL ALIGNMENT						g=−0.300% L=22.446 BVSC			CURVE # 1 VCL = 70		EVCE	g=−7.000% L= 75.500		BVSC	CURVE # 2 VCL = 70			EVCE g=−0.182% L=0.000				
HORIZONTAL ALIGNMENT	R=330.000 L=82.803					R=350.000 L=36.262 0+082.803		0+119.065	R=∝ L=203.469								0+322.534	L=88.466 R=844.000				
SUPERELEVATION									2.5%													
									−2.5%													

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
		PROFILE ORUGODAWATTA OFF RAMP STA. 0+0 - STA. 0+411	CHECKED BY:
			APPROVED BY:
	No REVISION DATE		DWG. NO. H-12





CHAINAGE	0+000					0+100	0+132.876				0+200					0+300					0+400				0+500 / 0+501.135
FINISHED LEVEL							14.890	14.908	14.891	14.772	14.579	14.382	14.186	13.993	13.873	13.856	13.913	13.973	14.033	14.093 / 14.096					
GROUND LEVEL	3.77	3.98	4.00	4.05	3.98	3.98	4.04 / 4.12	4.15	4.28	4.27	4.17	3.88	3.78	3.82	3.86	3.92	3.76	3.38	3.77	3.94 / 3.95	3.74	3.77	3.78	3.75	3.83 / 3.59 / 3.57

VERTICAL ALIGNMENT: g=+0.300% L=27.124 — BVSC — CURVE # 1 VCL = 50 — EVCE — g=−0.945% L=120.000 — BVSC — CURVE # 2 VCL = 50 — EVCE — g=+0.300% L=100.991

HORIZONTAL ALIGNMENT: R=∞ — 0+57.167 — R=400.000 L=76.312 — 0+133.479 CS — A=59 L=58.017m — 0+191.496 SC — R=60.000 L=32.479 — 0+223.975 CS — A=59 L=58.017m — +281.992 SC — R=1050.000 L=99.524 — 0+380.991 — R=500.000 L=23.664 — 0+405.180 — R=1500.000 L=95.955 — 0+501.135

SUPERELEVATION: 5.0% / NC / −5.0% — 0+132.876 — 1/191 — 1/124 — 0+194.876 — 6.0% / −6.0% — 0+223.975 — 1/602 — 1/390 — 0+281.992 — 2.5% / NC / −2.5% — 0+380.991

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

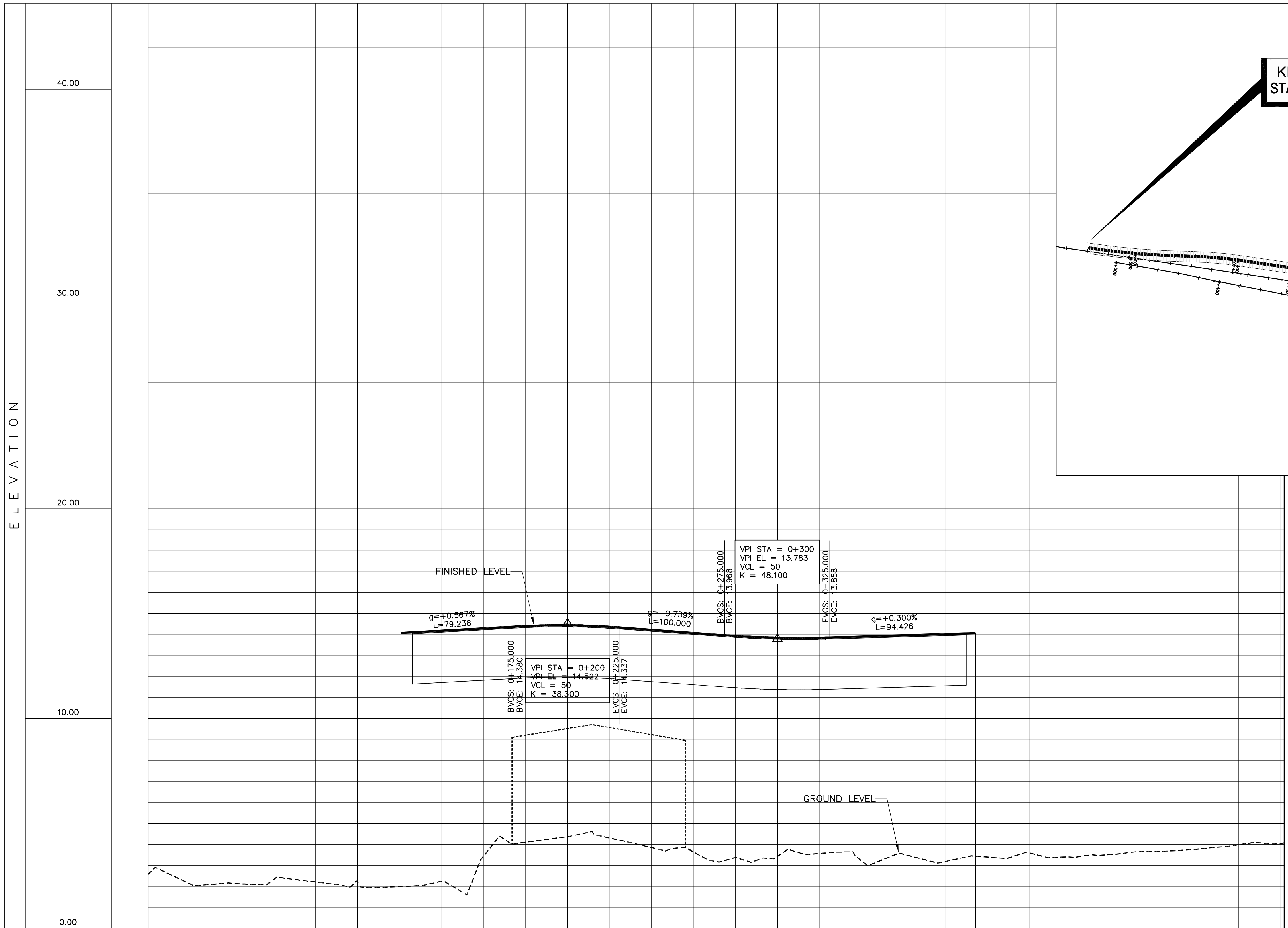
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

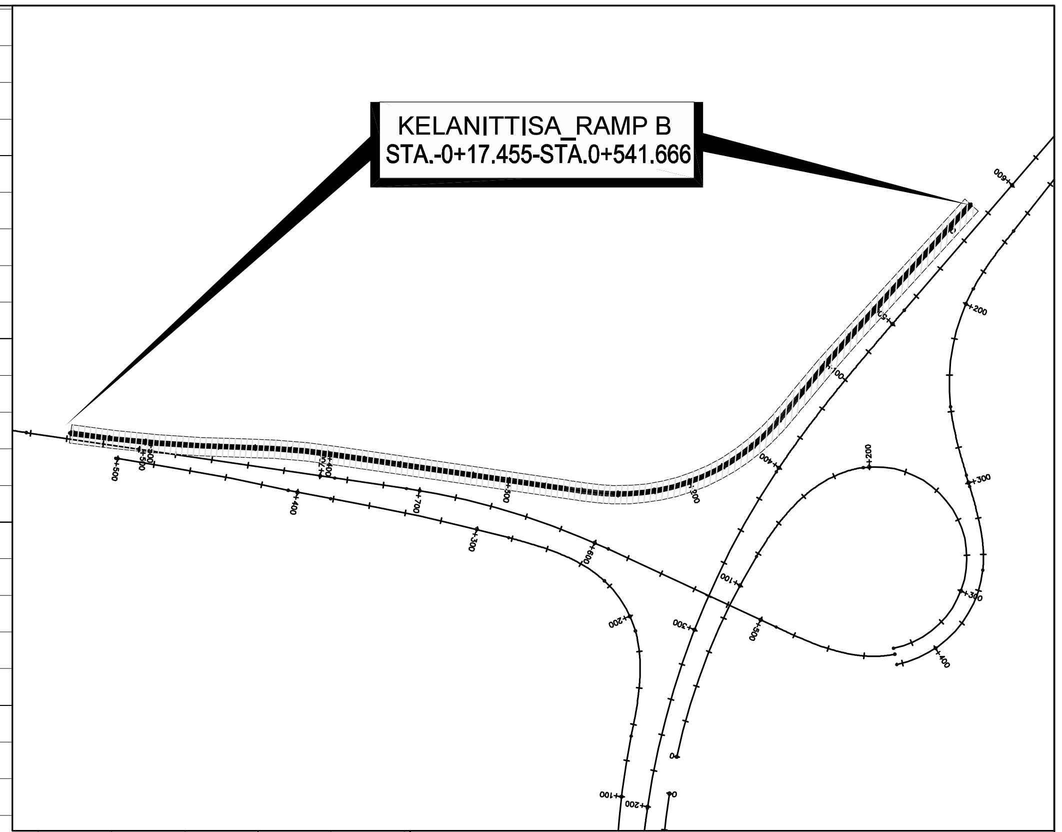
PROFILE

KELANITISSA A-RAMP
STA. 0+0 - STA. 0+501.135

DESIGNED BY:
CHECKED BY:
APPROVED BY:

DWG. NO. H-13





CHAINAGE	0+100, 0+120.719, 0+200, 0+300, +394.426, 0+400, 0+500, 0+541.666
FINISHED LEVEL	14.073, 14.182, 14.295, 14.405, 14.440, 14.371, 14.226, 14.079, 13.933, 13.848, 13.846, 13.903, 13.963, 14.023, 14.066
GROUND LEVEL	2.58, 2.12, 2.15, 2.34, 2.21, 2.19, 1.99, 2.24, 3.46, 4.10, 4.36, 4.31, 3.85, 3.65, 3.38, 3.43, 3.57, 3.23, 3.54, 3.19, 3.40, 3.60, 3.40, 3.53, 3.68, 3.77, 3.98, 4.05
VERTICAL ALIGNMENT	g=+0.567% L=79.238; BVSC CURVE # 1 VCL = 50 EVCE; g=−0.695% L=100.000; BVSC CURVE # 2 VCL = 50 EVCE; g=+0.300% L=94.426
HORIZONTAL ALIGNMENT	R=∞; 0+78.090; R=800.000 L=46.522; 0+124.612; A=55.000 L=26.535; 0+151.147; R=114.000 L=91.421; 0+242.568; A=55.000 L=26.535; 0+269.103; R=∞; 0+395.169; R=400.000 L=51.402; 0+446.572; R=740.000 L=95.095; 0++541.666
SUPERELEVATION	2.158% NC −2.158%; 0+120.762; 1/156; 1/101; 0+155.762; 6.0%; −6.0%; 0+242.568; 1/275; 1/178; 0+269.103; 2.5% NC −2.5%

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

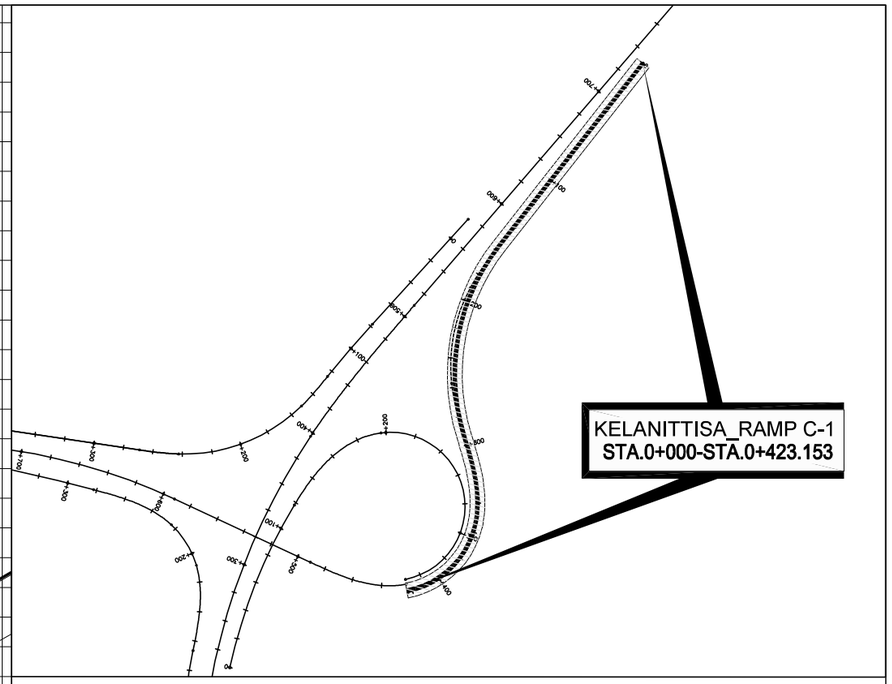
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

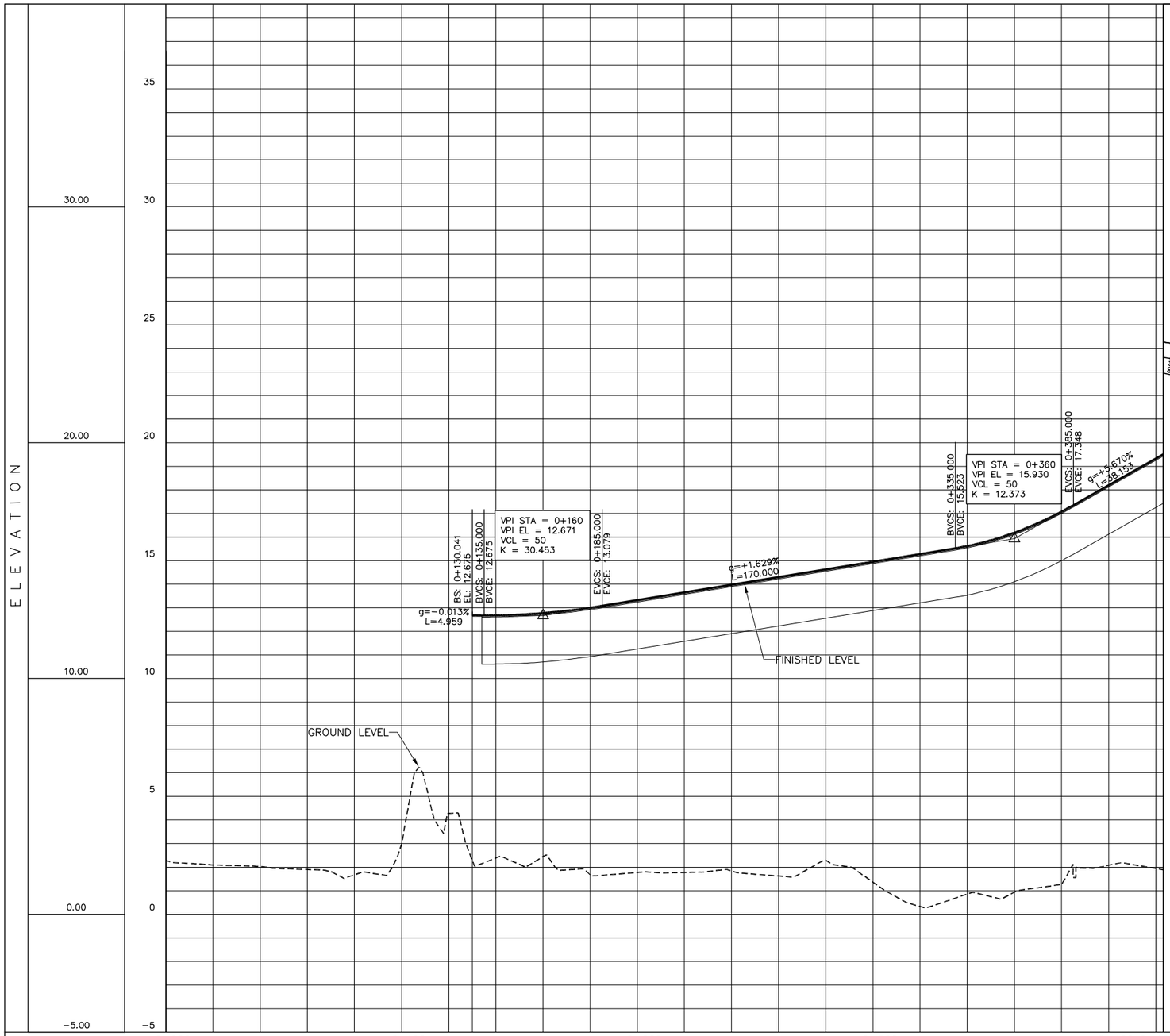
PROFILE

KELANITISSA B-RAMP
STA.-0+17.455-STA.0+541.666

DESIGNED BY:
CHECKED BY:
APPROVED BY:

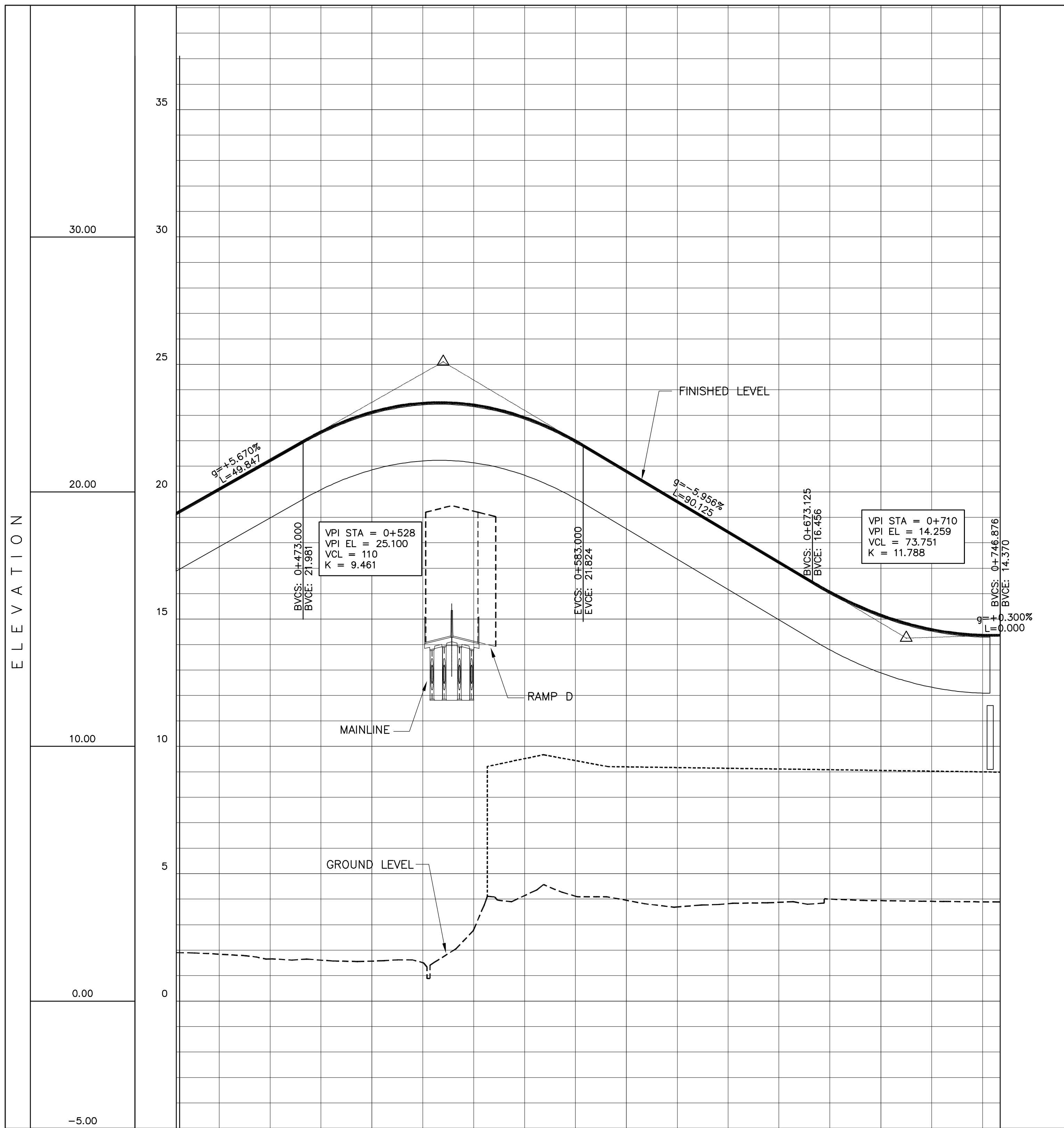
DWG. NO. H-14

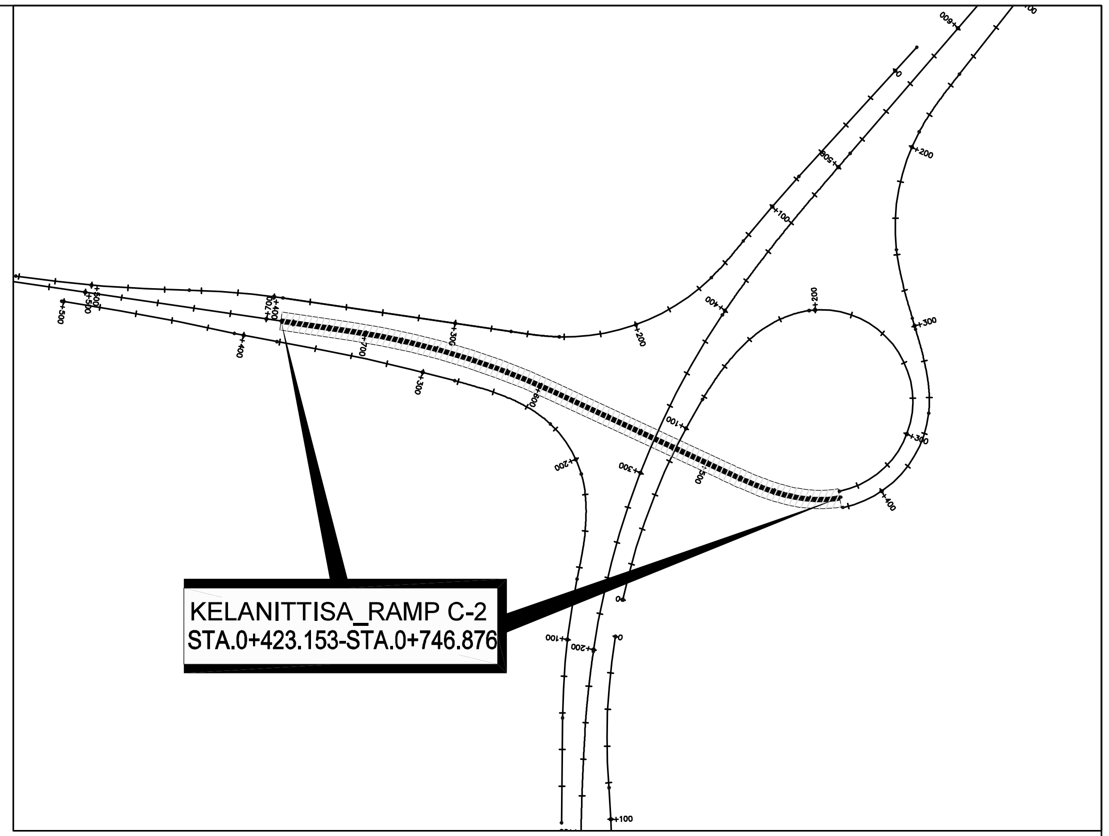




CHAINAGE		0+000									0+100									0+200									0+300									0+400	0+423.153
FINISHED LEVEL									12.675	12.678	12.774	13.001	13.323	13.649	13.975	14.301	14.627	14.952	15.278	15.614	16.183	17.074	18.198	19.332	19.511														
GROUND LEVEL	2.29	2.09	2.02	1.90	1.68	2.98	4.27	2.27	2.39	2.45	1.67	1.77	1.77	1.84	1.62	2.29	1.36	0.33	0.86	0.94	1.27	2.08	1.94	1.89																
VERTICAL ALIGNMENT		R=∝									0+152.404 A=65 L=38.409	0+190.813	R=110.00 L=66.464	0+257.277				0+295.686 A=65 L=38.409	0+302.098 R=∝ A=52.432	L=46.596	0+348.694	R=59.00 L=74.458																	0+423.153
HORIZONTAL ALIGNMENT		g=−0.013% L=4.959	BVSC								CURVE # 1 VCL = 50	EVCE		g=+1.629% L=170.000				BVSC				CURVE # 2 VCL = 50	EVCE	g=+5.670% L=38.153														
SUPERELEVATION		2.5% NC −2.5%									0+160.000 1/258	0+190.000 1/399 −6.0%	6.0%	0+257.277				0+348.694 1/277	1/179						0+423.153 −6.0%	6.0%														

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE PROFILE KELANITISSA C-1 RAMP STA. 0+0 - STA. 0+423.153	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-15





CHAINAGE	0+423.153				0+500					0+600					0+700			0+746.876
FINISHED LEVEL	19.155	20.110	21.244	22.352	23.127	23.479	23.408	22.914	21.998	20.811	19.620	18.429	17.238	16.066	15.161	14.596	14.369	14.370
GROUND LEVEL	1.90	1.84	1.66	1.61	1.57	1.51	2.81	4.14	4.12	3.95	3.69	3.82	3.88	4.00	3.94	3.92	3.90	3.89

VERTICAL ALIGNMENT	g=+5.670% L=49.847 BVSC; CURVE # 1 VCL = 110; EVCE; g=-5.956% L=90.125; BVSC; CURVE # 2 VCL = 73.751; EVCE
HORIZONTAL ALIGNMENT	CS 0+423.153; A=60; L=67.606; SC 0+490.758; R=∝; 0+591.791; R=400.000 L=115.585; +707.376; R=∝
SUPERELEVATION	0+423.153; 1/114; 1/276; 0+523.153; -2.5%

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

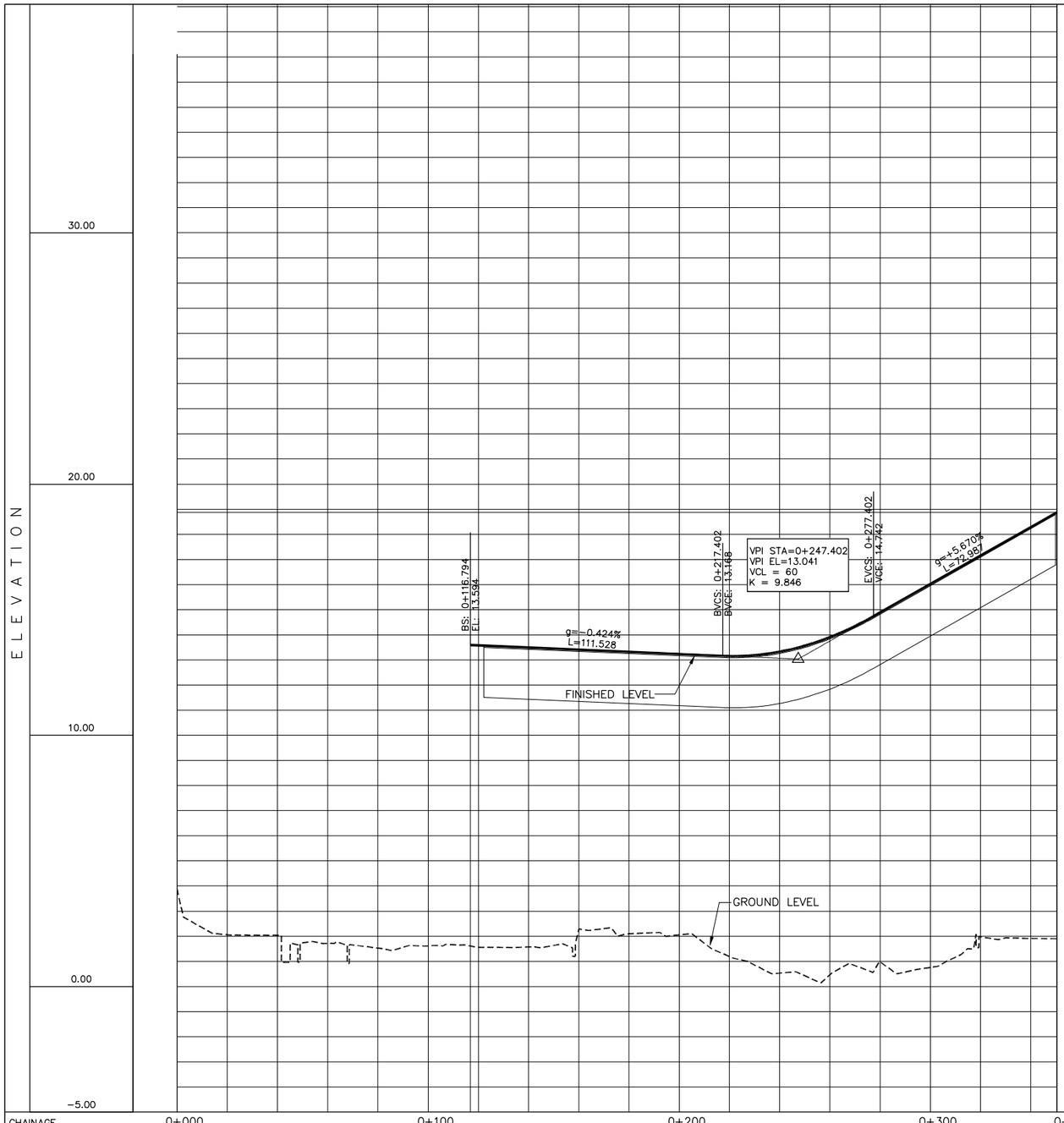
No	REVISION	DATE

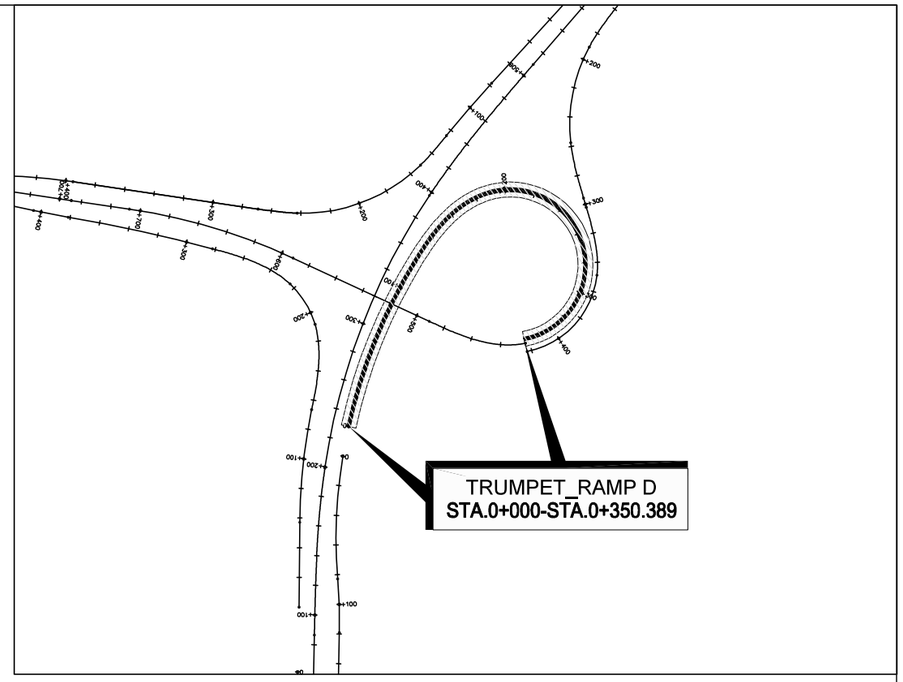
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE

KELANITISSA C-2 RAMP
STA.0+423.153-STA.0+746.876

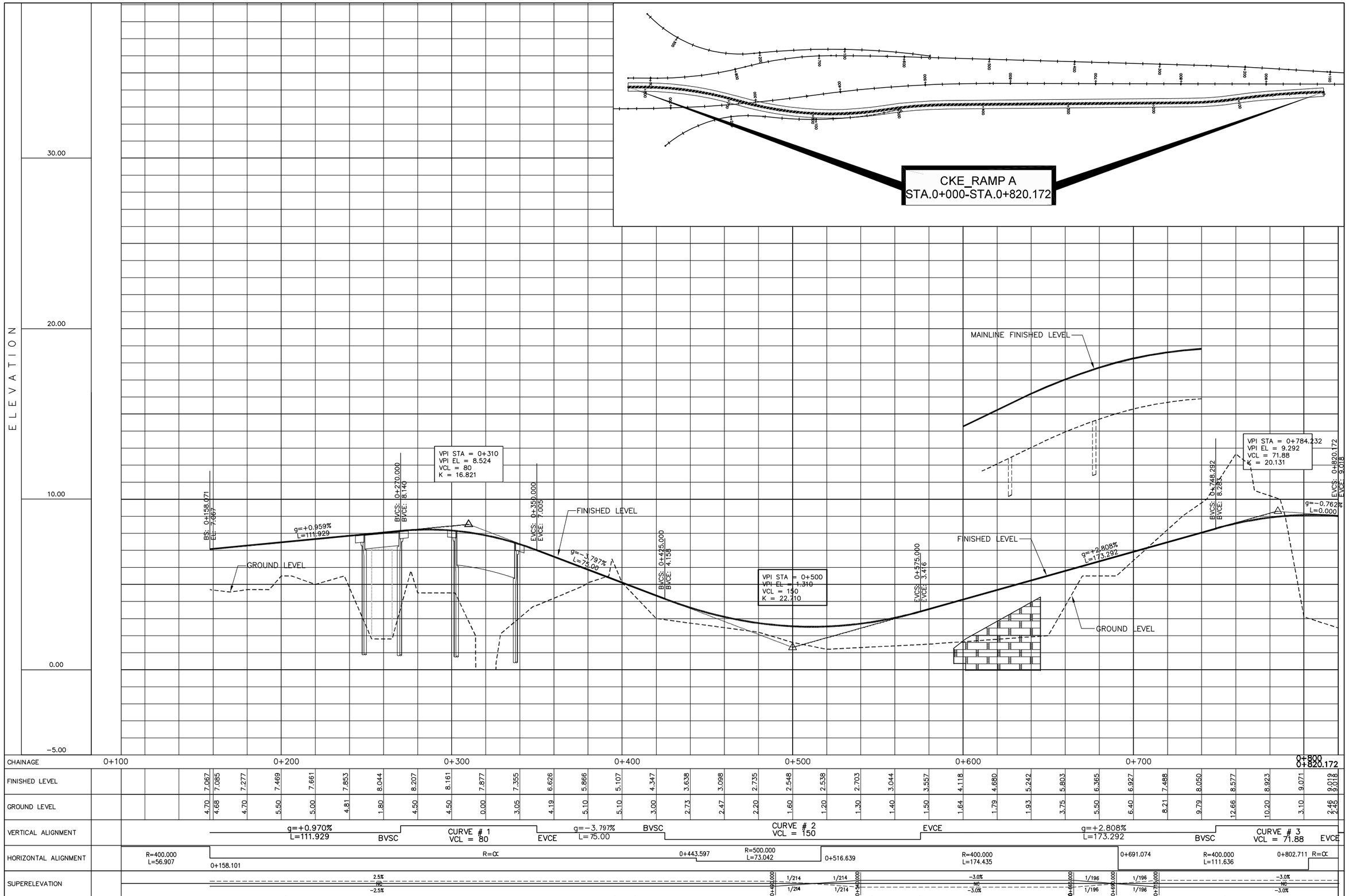
DESIGNED BY:
CHECKED BY:
APPROVED BY:
DWG. NO. H-16





CHAINAGE	0+000							0+100							0+200							0+300							0+350.389
FINISHED LEVEL								13.564	13.380	13.498	13.411	13.326	13.241	13.160	13.331	13.909	14.889	16.023	17.157	18.291	18.880								
GROUND LEVEL	1.90	2.06	2.04	1.71	1.53	1.62	1.61	1.58	1.57	2.29	2.10	2.05	1.19	0.53	0.46	0.50	0.76	1.98	1.91	1.90									
VERTICAL ALIGNMENT								g=−0.424% L=111.528					BVSC		CURVE # 1 VCL = 60			EVCE	g=+5.670% L=72.987										
HORIZONTAL ALIGNMENT	0+000.000		R=360.000 L=118.093			0+118.093 CS			A=67.54	L=78.57	SC 0+196.655						R=50 L=153.734					0+350.389								
SUPERELEVATION						0+116.794	5.0%	0+118.093			1/1848		0+196.655						6.0% NC −6.0%											
							−5.0%				1/2857																			

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE PROFILE KELANITISSA D-RAMP STA. 0+0 - STA. 0+350.389	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	H-17



CHAINAGE	0+100	0+200	0+300	0+400	0+500	0+600	0+700	0+800	0+820.172
FINISHED LEVEL	7.067 7.085 7.277 7.469 7.661 7.853 8.044 8.207	8.161 7.877 7.355 6.626 5.866 5.107 4.347 3.638	3.098 2.735 2.548 2.538 2.703 3.044 3.557 4.118	4.680 5.242 5.803 6.365 6.927 7.488 8.050 8.577	8.923 9.071	9.018			
GROUND LEVEL	4.70 4.68 4.70 5.50 5.00 4.81 1.80 4.50	4.50 0.00 3.05 4.19 5.10 5.10 3.00 2.73	2.47 2.20 1.60 1.20 1.30 1.40 1.50 1.64	1.79 1.93 3.75 5.50 6.40 8.21 9.79 12.66	10.20 3.10	2.46 2.45			
VERTICAL ALIGNMENT	g=+0.970% L=111.929	BVSC CURVE # 1 VCL = 80 EVCE	g=-3.797% L=75.00	BVSC CURVE # 2 VCL = 150	EVCE g=+2.808% L=173.292	BVSC CURVE # 3 VCL = 71.88	EVCE		
HORIZONTAL ALIGNMENT	R=400.000 L=56.907	0+158.101 R=∝	0+443.597 R=500.000 L=73.042	0+516.639 R=400.000 L=174.435	0+691.074 R=400.000 L=111.636	0+802.711 R=∝			
SUPERELEVATION	2.5% NC -2.5%	0+425.000 1/214 1/214	0+500.000 1/214 1/214	0+540.000 -3.0% NC -3.0%	0+665.000 1/196 1/196	0+690.000 1/196 1/196	0+715.000 -3.0% NC -3.0%		

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

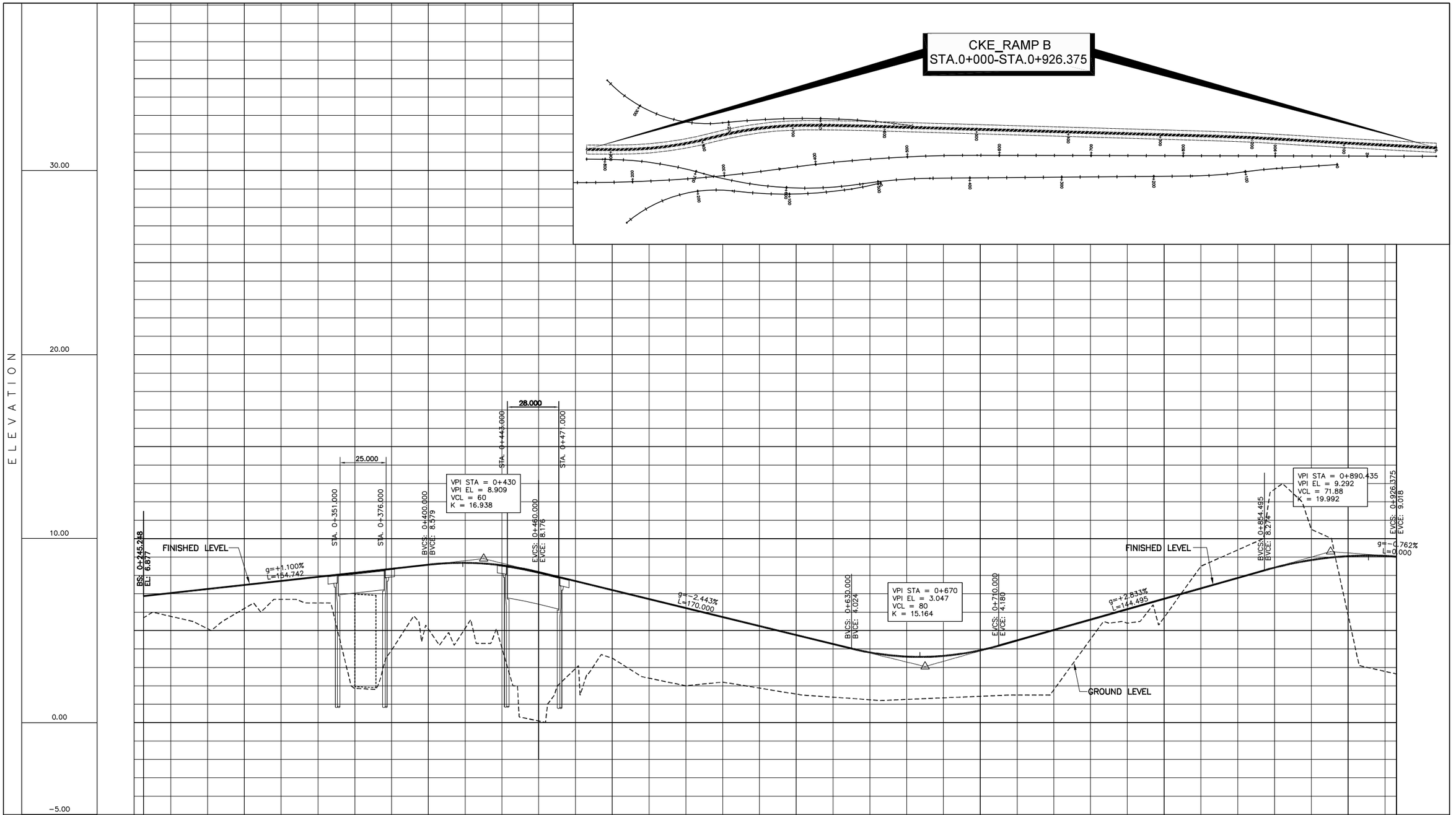
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE
CKE A-RAMP
STA. 0+0 - STA. 0+820.172

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-18



CHAINAGE	0+300								0+400								0+500								0+600								0+700								0+800								0+900	0+926.375
FINISHED LEVEL	6.877	7.039	7.259	7.479	7.699	7.919	8.139	8.359	8.579	8.681	8.547	8.176	7.688	7.199	6.711	6.222	5.734	5.245	4.757	4.268	3.813	3.588	3.627	3.930	4.464	5.030	5.597	6.163	6.730	7.297	7.863	8.422	8.834	9.045	9.056	9.018												
GROUND LEVEL	5.70	5.77	5.10	6.20	6.70	6.50	1.86	3.94	5.08	5.13	4.07	0.09	2.94	3.50	2.42	2.00	2.20	1.87	1.55	1.38	1.24	1.26	1.35	1.43	1.50	1.78	4.53	5.40	5.72	8.50	9.38	12.68	10.50	5.82	2.78	2.64												
VERTICAL ALIGNMENT	g=+1.100% L=154.742								BVSC	CURVE − 1 LVC = 60		EVCE	g=−2.443% L=170.000								BVSC	CURVE − 2 LVC = 80		EVCE	g=+2.833% L=144.495								BVSC	CURVE − 3 LVC = 71.88		EVCE	g=−0.762% L=0.000												
HORIZONTAL ALIGNMENT	47	R=∝																				0+621.403	R=2000.000 L=64.707	0+686.110	R=400.000 L=101.711	0+787.821	R=400.000 L=104.005	0+891.826	R=∝ 0+926.375																								
SUPERELEVATION	2.5% NC −2.5%																					0+661.000	1/214	1/214	1/214	0+711.000	−3.0% NC −3.0%	0+762.000	1/196	1/196	1/196	0+787.000	1/196	0+912.000	−3.0% NC −3.0%	0+891.000	0+926.000	2.5% NC −2.5%												

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

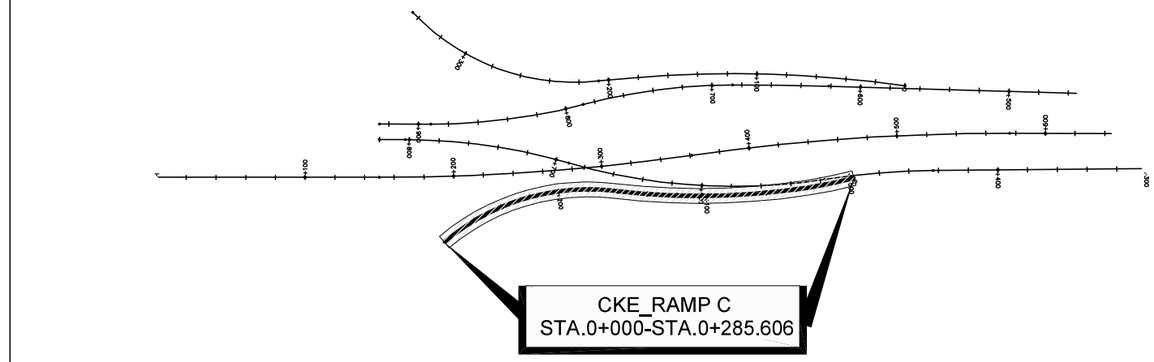
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

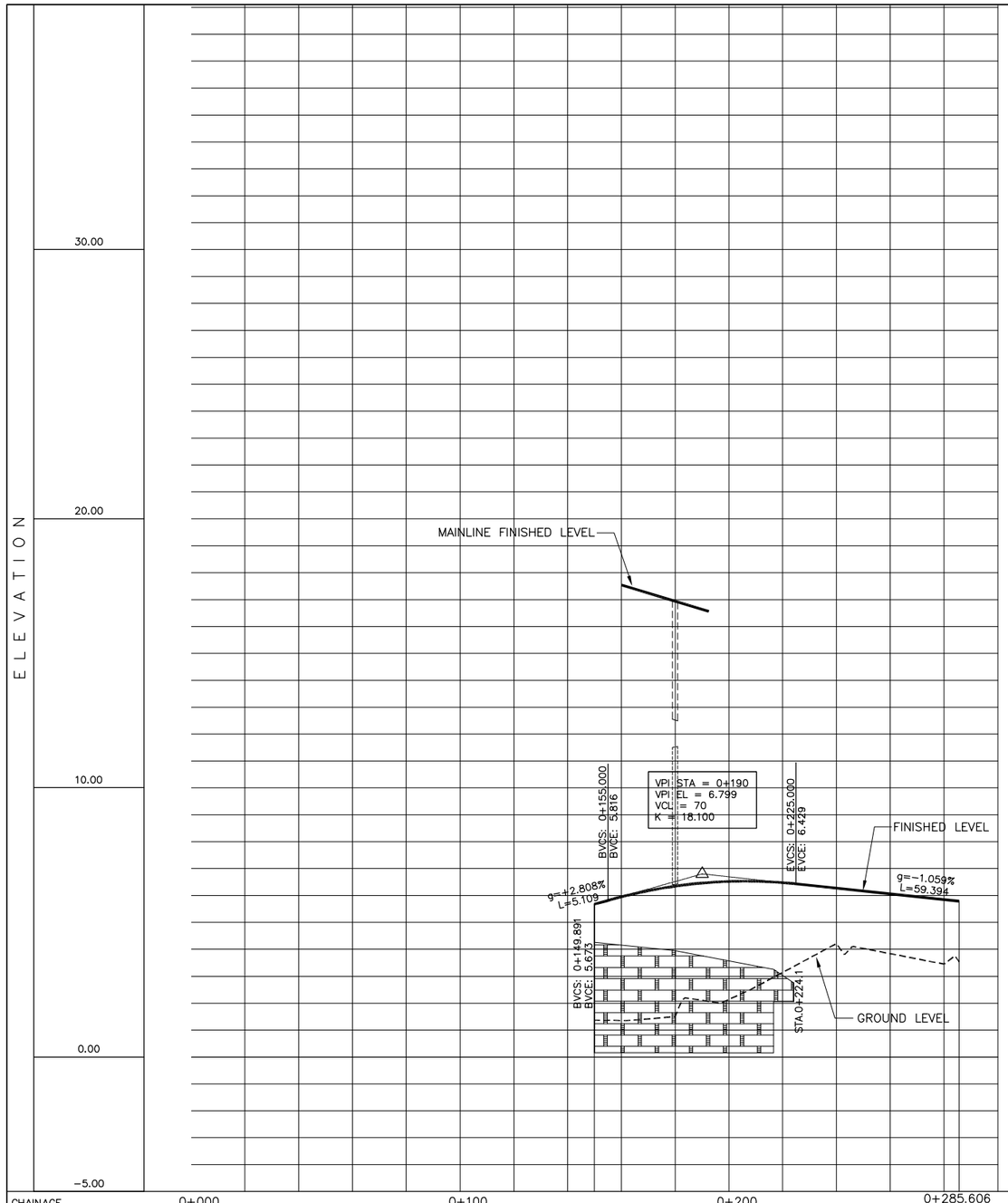
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE
CKE B-RAMP
STA. 0+0 - STA. 0+926.375

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-19





CHAINAGE	0+000	0+100	0+200	0+285.606
FINISHED LEVEL	5.673 5.950 6.346 6.521 6.475 6.270 6.058 5.846 5.787			
GROUND LEVEL	1.36 1.35 1.50 2.14 3.14 4.21 3.84 3.45 3.55			
VERTICAL ALIGNMENT	g=+2.808% L=5.109 BVSC — CURVE − 1 VLC = 70 — EVCE g=−1.059% L=59.394			
HORIZONTAL ALIGNMENT	R=300.000 L=32.158	R=480.000 L=130.102	0+162.261 R=150.000 L=123.345	0+285.606
SUPERELEVATION	2.5% NC −2.5% 0+149.891	0+150.346 /160 /104 0+270.000	2.5% NC −2.5%	

MINISTRY OF PORTS & HIGHWAYS
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Road Development Authority

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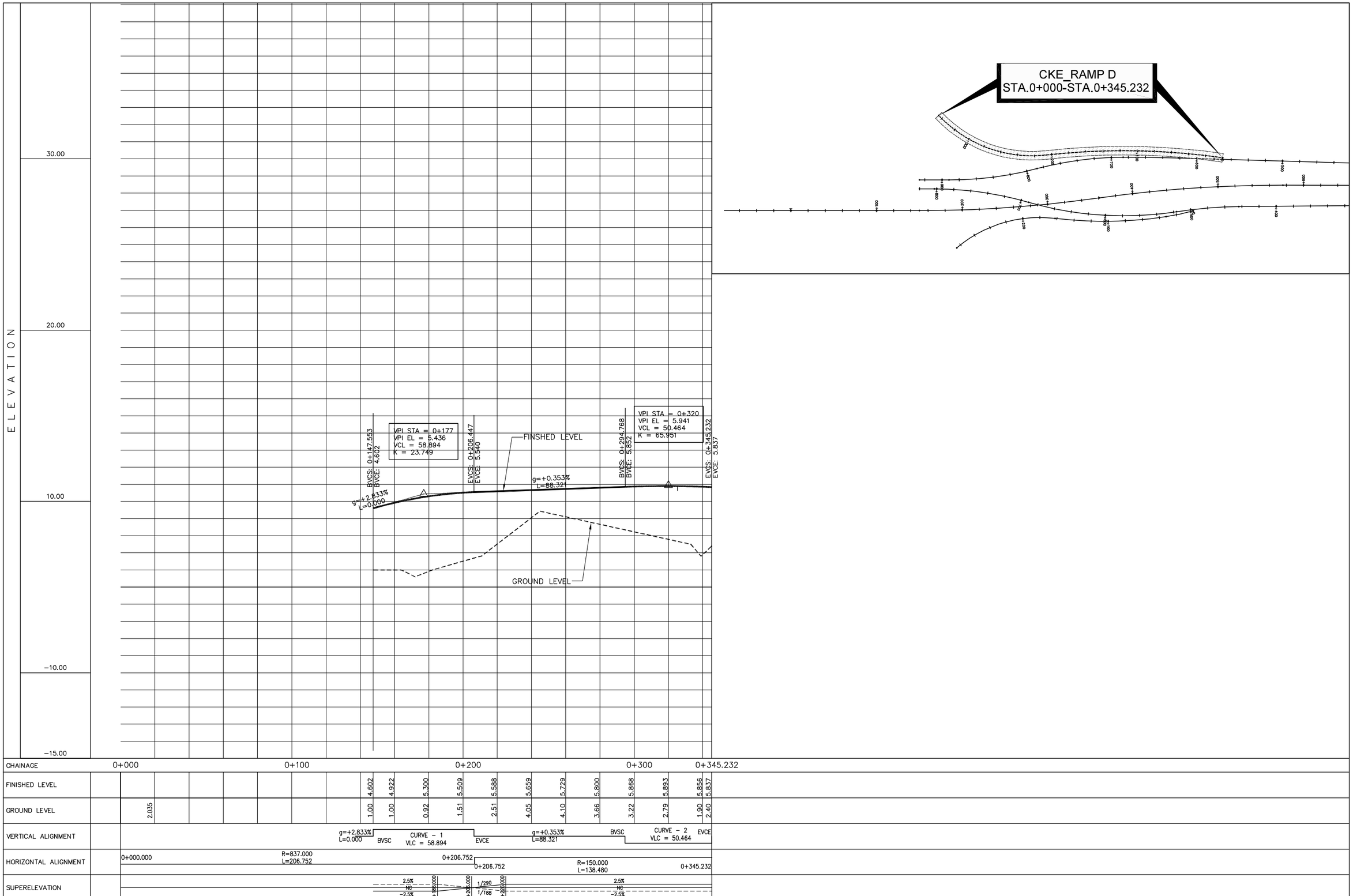
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

PROFILE
CKE C-RAMP
STA. 0+0 - STA. 0+285.606

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-20



CHAINAGE	0+000					0+100					0+200					0+300		0+345.232
FINISHED LEVEL								4.602	4.922	5.300	5.509	5.588	5.659	5.729	5.800	5.868	5.893	5.856	5.837
GROUND LEVEL		2.035						1.00	1.00	0.92	1.51	2.51	4.05	4.10	3.66	3.22	2.79	1.90	2.40
VERTICAL ALIGNMENT								g=+2.833% L=0.000	BVSC	CURVE − 1 VLC = 58.894		EVCE	g=+0.353% L=88.321		BVSC	CURVE − 2 VLC = 50.464		EVCE	
HORIZONTAL ALIGNMENT		0+000.000			R=837.000 L=206.752						0+206.752		0+206.752		R=150.000 L=138.480			0+345.232	
SUPERELEVATION								2.5% NC −2.5%	0+188.000		0+206.000	1/290 1/188	0+226.000		2.5% NC −2.5%				

MINISTRY OF PORTS & HIGHWAYS
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Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
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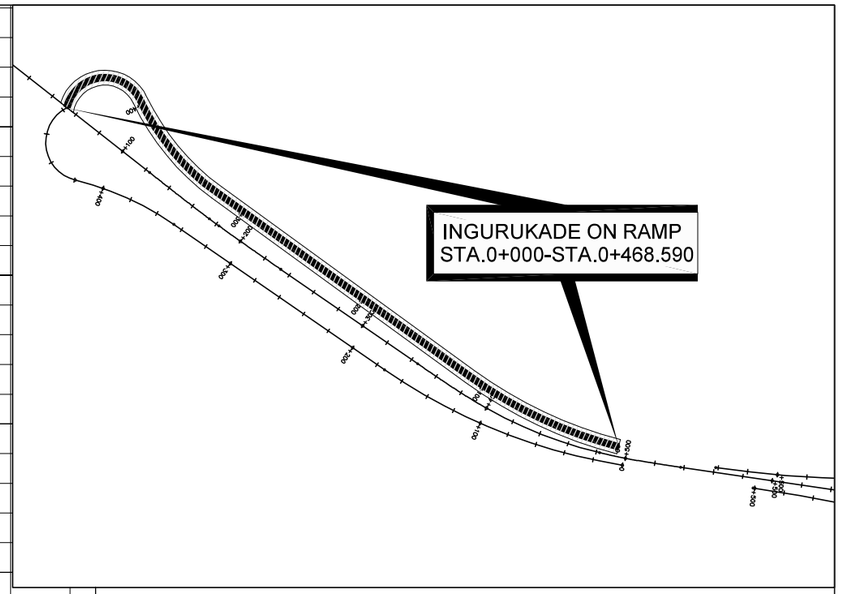
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE
CKE D-RAMP
STA. 0+0 - STA. 345.232

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-21



FINISHED LEVEL	14.481	14.430	14.354	13.924	12.999	11.720	10.425	9.130	7.836	6.541	5.246	4.086	3.388	3.154	3.054	2.954 2.950
GROUND LEVEL	3.52	3.20	3.40	3.23	3.06	2.88	2.71	2.54	2.55	2.49	2.41	1.94	−0.07	0.00	0.07	2.90 2.95

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
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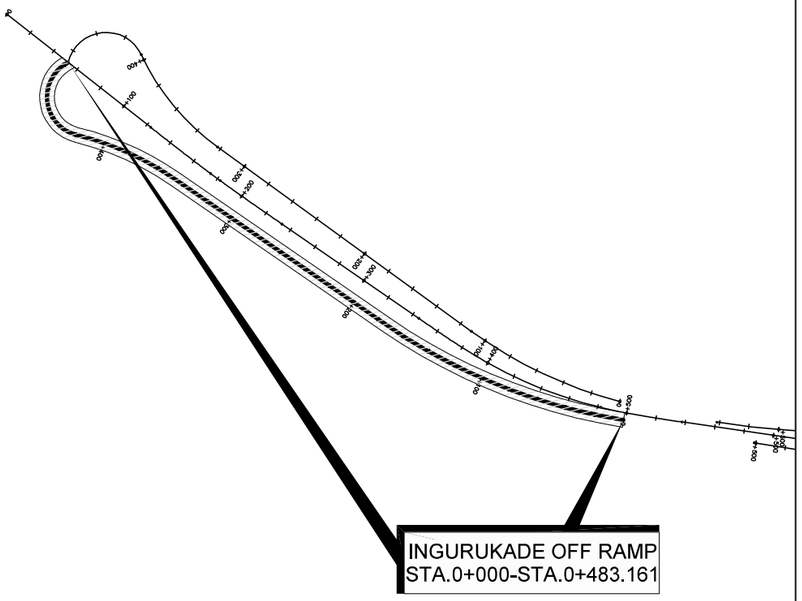
No	REVISION	DATE

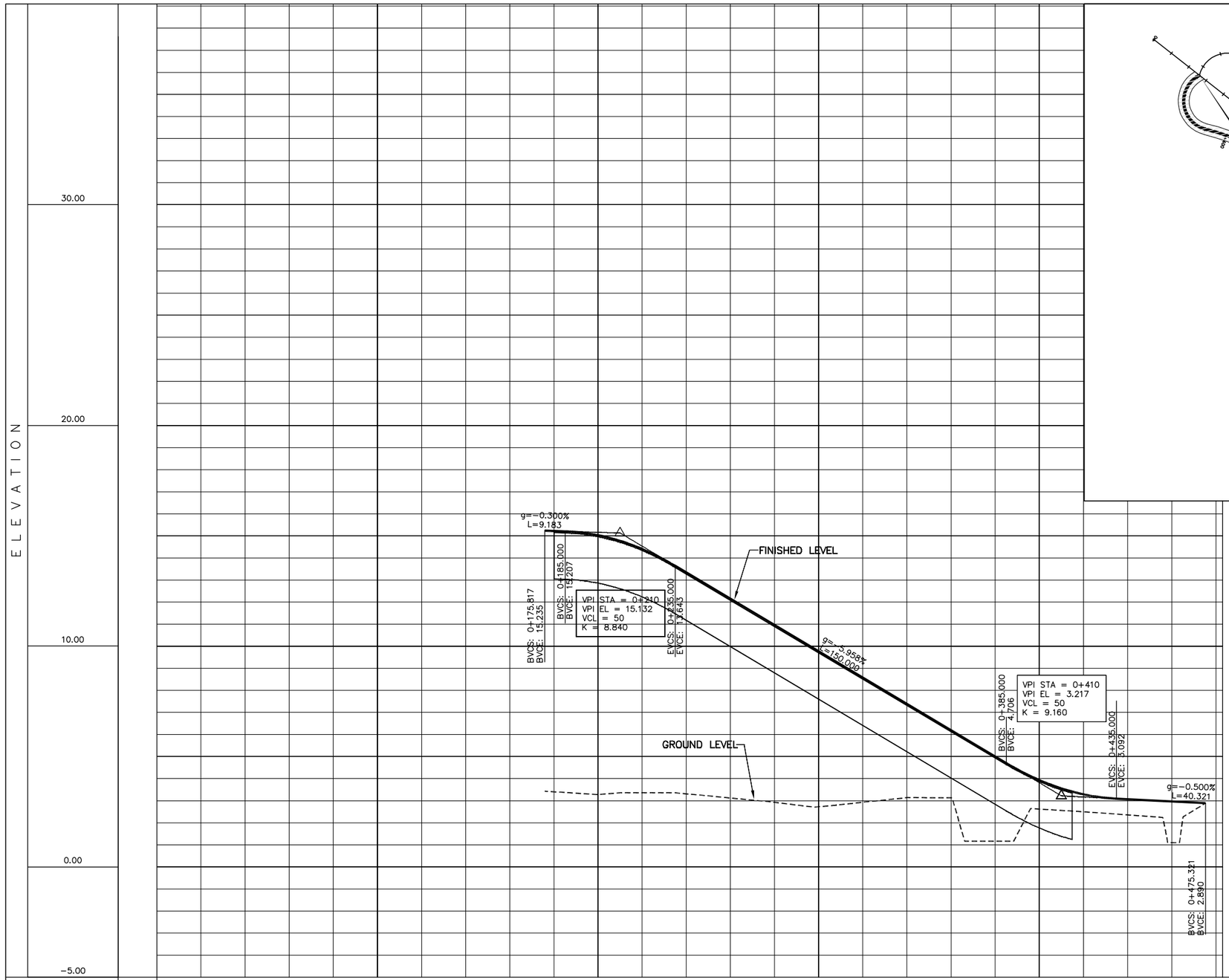
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

P R O F I L E

INGURUKADE ON RAMP
STA. 0+0 - STA. 468.590

DESIGNED BY:
CHECKED BY:
APPROVED BY:
DWG. NO. H-22





CHAINAGE	0+000	0+100	0+200	0+300	0+400	0+475.321	0+483.161
FINISHED LEVEL	15.222	15.035	14.409	13.345	12.153	10.962	9.770	8.579	7.387	6.196	5.004	3.935	3.289	3.067	2.967	2.890	
GROUND LEVEL	3.40	3.28	3.36	3.31	3.12	2.92	2.73	2.93	3.14	3.13	1.17	2.62	2.50	2.36	1.10	2.89	
VERTICAL ALIGNMENT	g=−0.300% L=9.183 BVSC	CURVE # 1 VCL = 50	EVCE	g=−5.958% L=150.000	BVSC	CURVE # 2 VCL = 50	EVCE	g=−0.500% L=40.321									
HORIZONTAL ALIGNMENT	R=392.519 L=173.966	0+175.817	R=∞	0+346.355	R=200.000 L=73.010	0+419.366	R=26.250 L=63.795	0+483.161									
SUPERELEVATION	0+175.817	2.5% NC −2.5%	0+330.000	0+345.000	1/218	1/141	0+350.000	2.5% NC −2.5%	0+405.000	0+420.000	1/141	1/114	0+435.000	2.5% NC −2.5%	0+475.321		

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

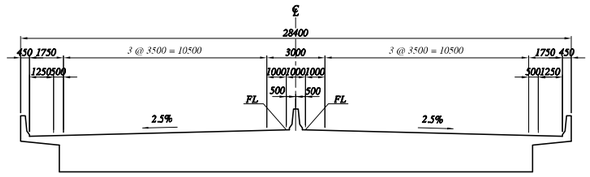
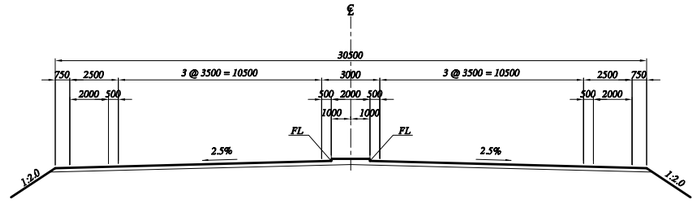
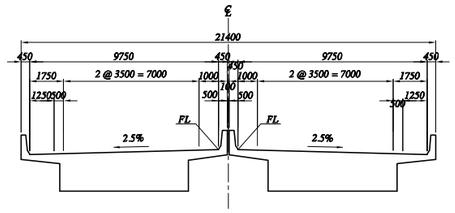
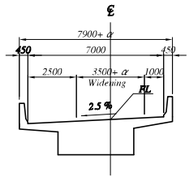
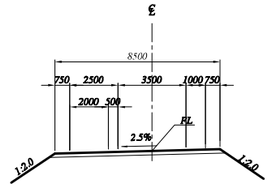
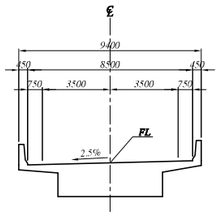
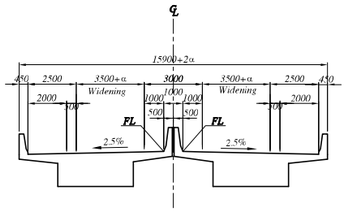
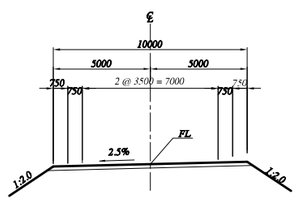
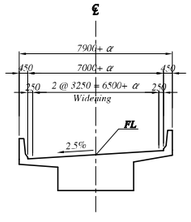
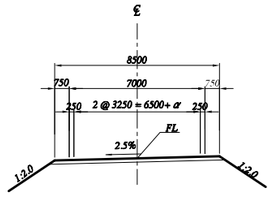
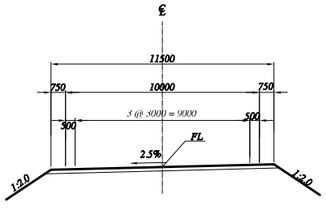
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

PROFILE
INGURUKADE OFF RAMP
STA. 0+0 - STA. 0+483.161

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-23

MAIN LINE	*6 LANES*	 
	4 LANES	
RAMP	*1 LANE*	 
	2 LANES	  
	TEMPORARY 2 LANES	 
	TEMPORARY 3 LANES (DURING CONSTRUCTION ONLY)	

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

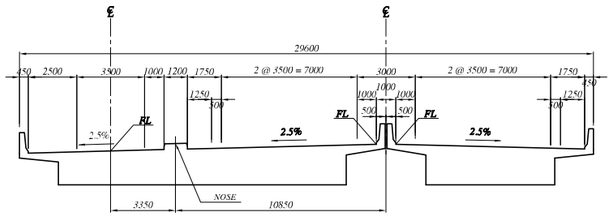
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

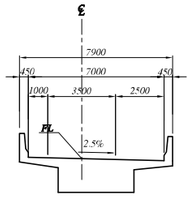
TYPICAL CROSS SECTION 1

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-24

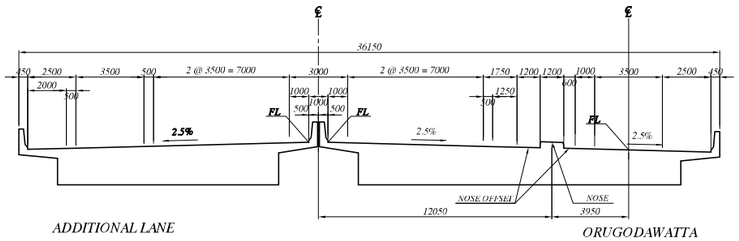
SECTION AT NOSE



ORUGODAWATTA ON RAMP

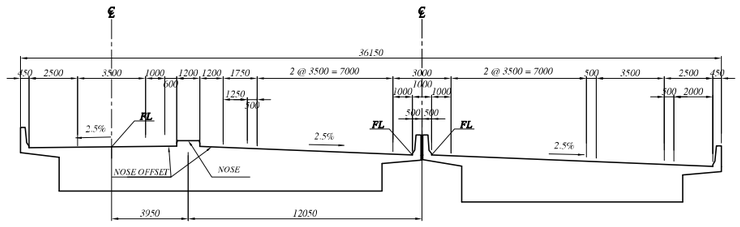


ORUGODAWATTA OFF RAMP



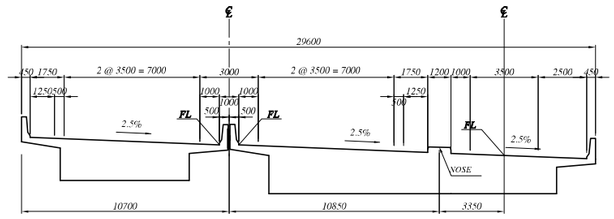
ADDITIONAL LANE

ORUGODAWATTA OFF RAMP

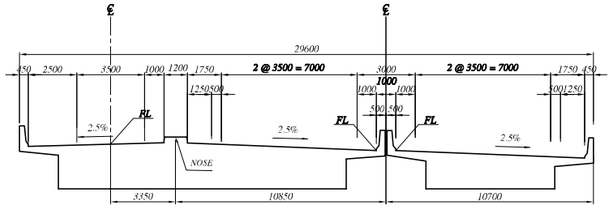


KELANITISSA A-RAMP

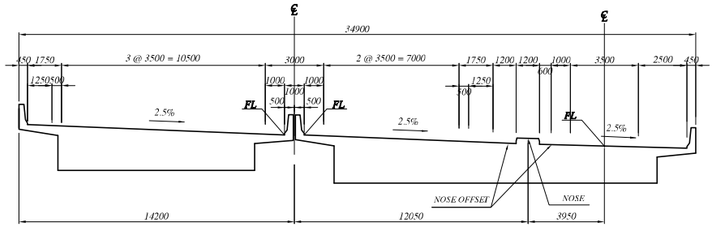
ADDITIONAL LANE



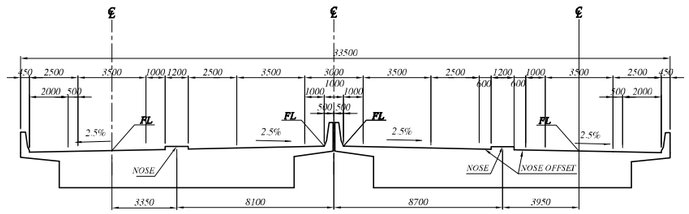
KELANITISSA D-RAMP



KELANITISSA B-RAMP



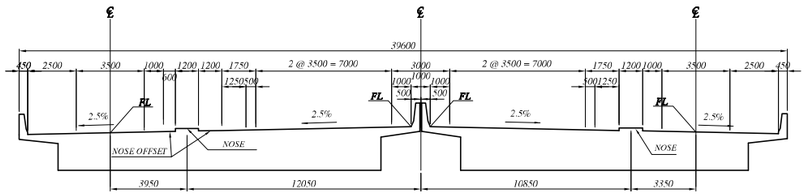
KELANITISSA C1-RAMP (1 LANE)



KELANITISSA A-RAMP

KELANITISSA C2-RAMP (2 LANES)

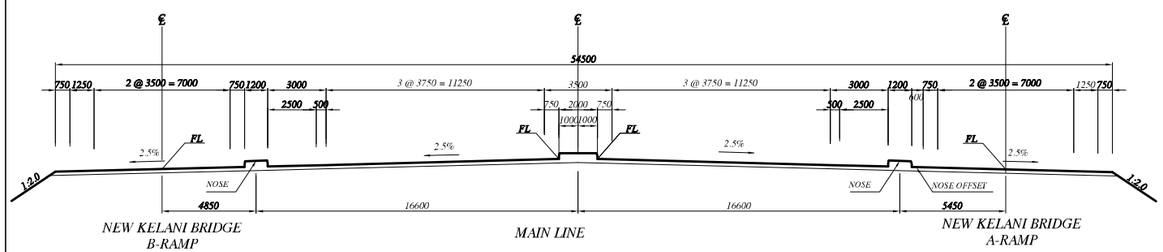
KELANITISSA B-RAMP



INGURUKADE OFF RAMP

PORT ACCESS LINE

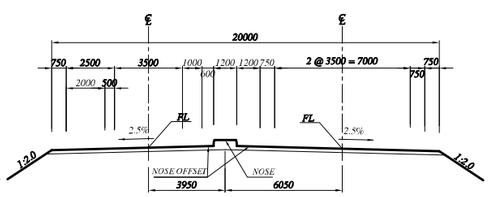
INGURUKADE ON RAMP



NEW KELANI BRIDGE B-RAMP

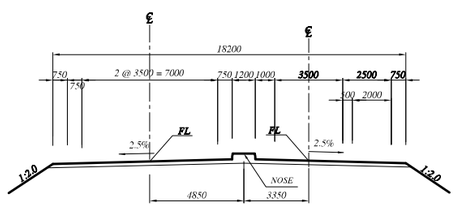
MAIN LINE

NEW KELANI BRIDGE A-RAMP



NEW KELANI BRIDGE C-RAMP

NEW KELANI BRIDGE A-RAMP



NEW KELANI BRIDGE B-RAMP

NEW KELANI BRIDGE D-RAMP

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

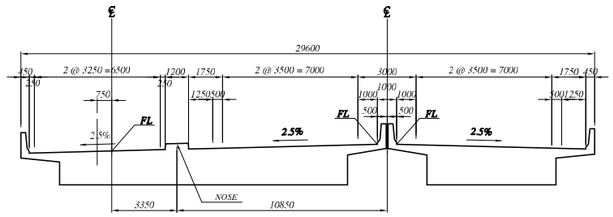
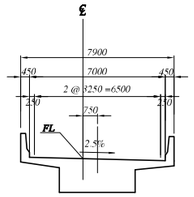
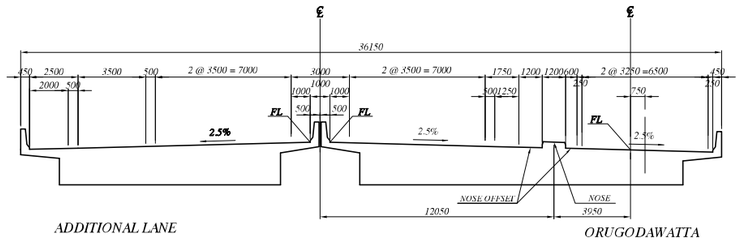
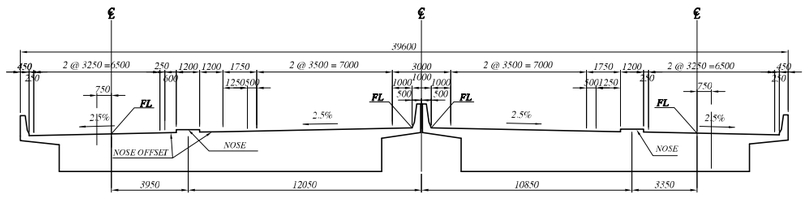
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

TYPICAL CROSS SECTION 2

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-25

TEMPORARY SECTION AT NOSE	*ORUGODAWATTA I/C*	 *ORUGODAWATTA ON RAMP*  *ORUGODAWATTA OFF RAMP*  *ADDITIONAL LANE* *ORUGODAWATTA OFF RAMP*
	INGURUKADE I/C	 *INGURUKADE OFF RAMP* *PORT ACCESS LINE* *INGURUKADE ON RAMP*

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

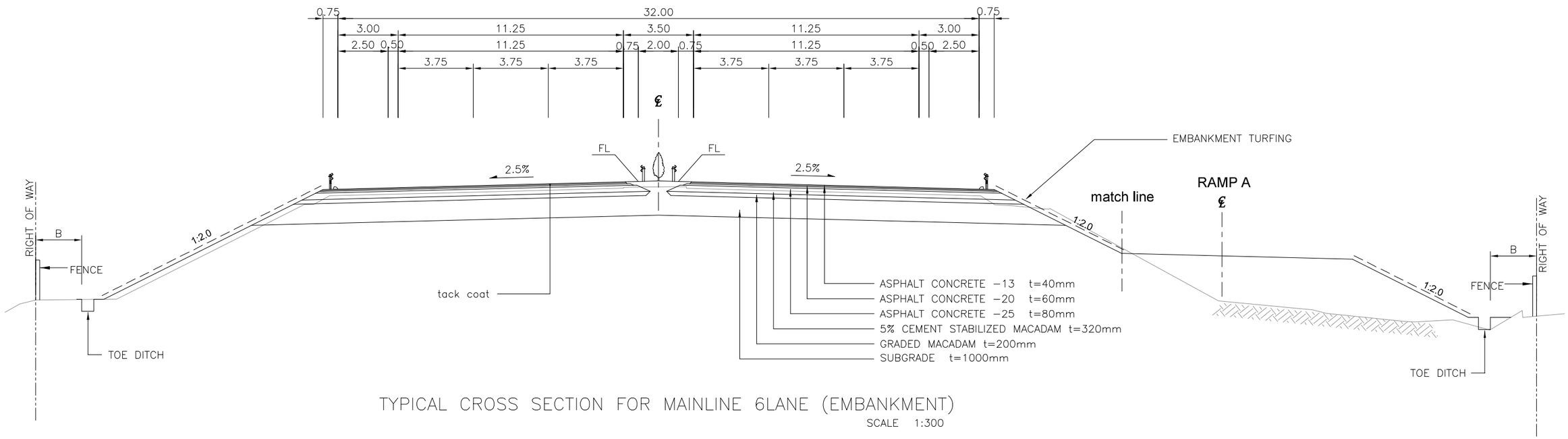
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

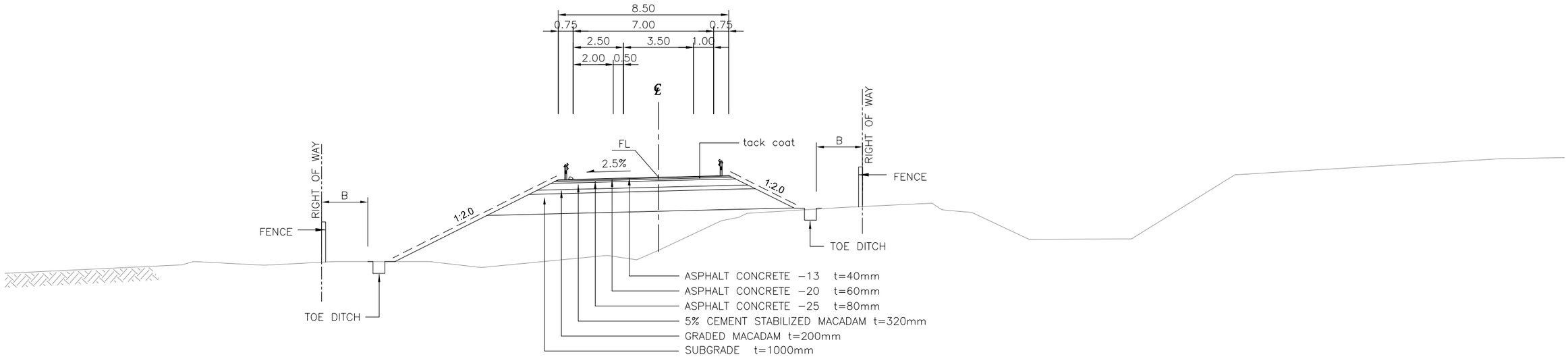
TYPICAL CROSS SECTION 3

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-26



TYPICAL CROSS SECTION FOR MAINLINE 6LANE (EMBANKMENT)

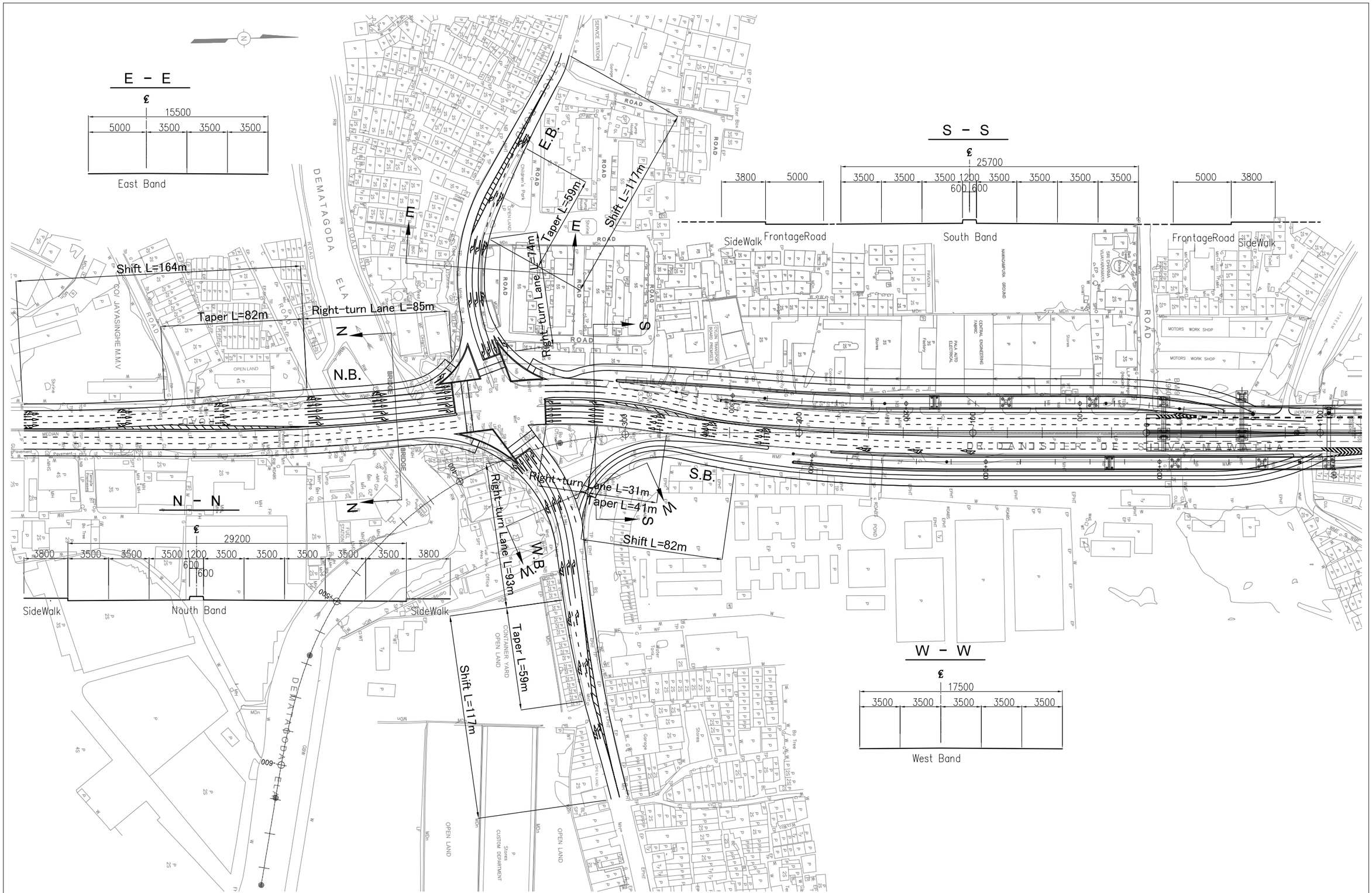
SCALE 1:300



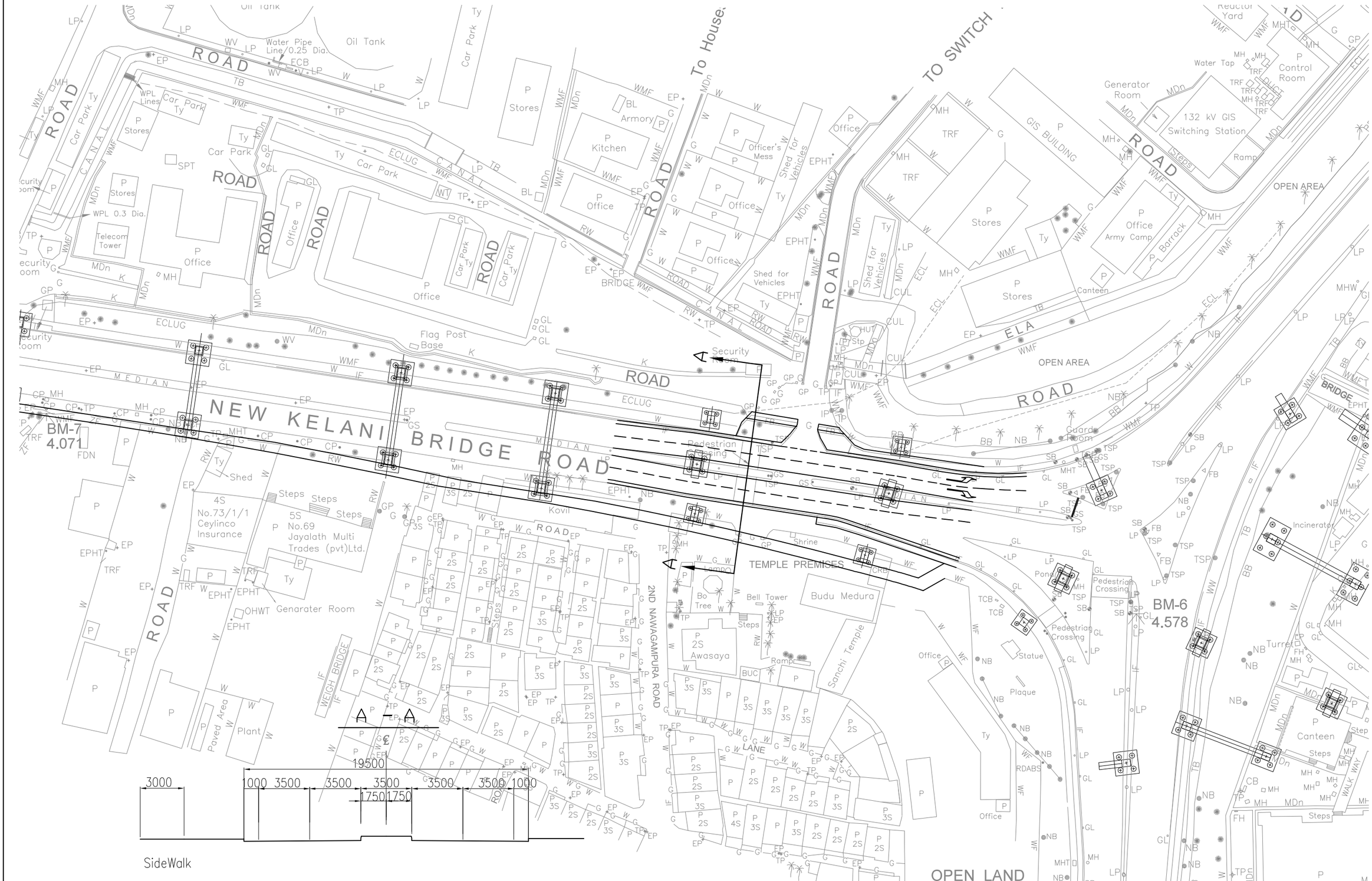
TYPICAL CROSS SECTION FOR RAMP (EMBANKMENT)

SCALE 1:300

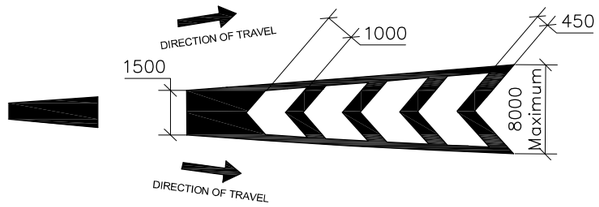
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TYPICAL CROSS SECTION DETAIL FOR EMBANKMENT SECTION DESIGNED BY: / CHECKED BY: / APPROVED BY: DWG. NO. H-27



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
					CHECKED BY:
				PLAN ORUGODAWATTA INTERSECTION	APPROVED BY:
		No	REVISION / DATE		DWG. NO. H-28

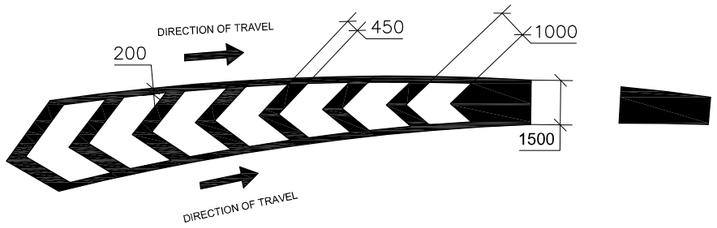


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE PLAN KELANITTISA INTERSECTION	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-29



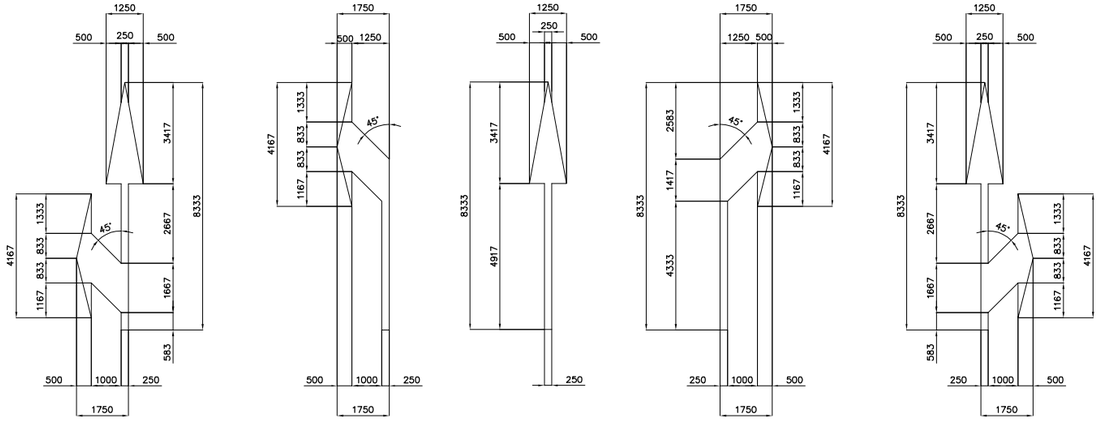
CHEVRON MARKING DETAIL

SCALE 1:200



CHEVRON MARKING DETAIL

SCALE 1:200



A - 1 A - 2 A - 3 A - 4 A - 5

TYPICAL ARROWS DETAIL

SCALE 1:200

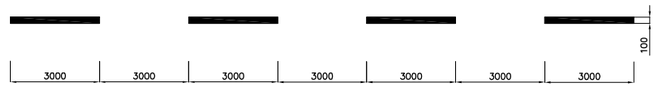
TABLE OF PAVEMENT MARKINGS	
LANE LINE	BROKEN WHITE LINE 150mm WIDE 8.0m LONG AT 12.0m INTERVAL
PAVEMENT EDGE LINE	SOLID WHITE LINE 200mm WIDE
STOP LINE	SOLID WHITE LINE 300mm WIDE

STOP LINE

SCALE 1:25

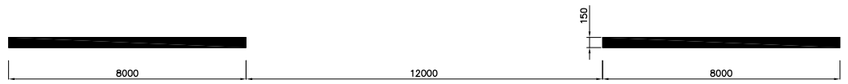
EDGE LINE

SCALE 1:25



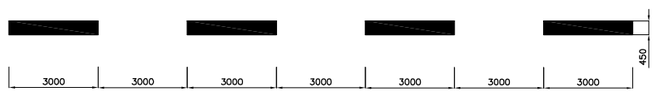
CENTER LINE MARKING FOR UNDIVIDED ROAD (APPROACH ROAD)

SCALE 1:200



BROKEN LANE LINE

SCALE 1:200



GIVE WAY LINE FOR HIGHWAY

SCALE 1:200

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
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KATAHIRA & ENGINEERS INTERNATIONAL

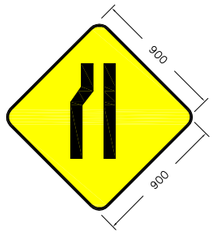
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

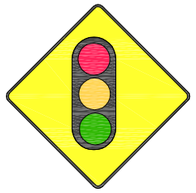
ROAD MARKING

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-30

DANGER WARNING SIGNS



2. 2. 10
ROAD NARROWS ON
THE LEFT SIDE AHEAD



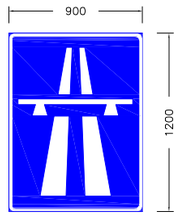
1. 20
LIGHT SIGNALS AHEAD

2. 2. 17

TRAFFIC FROM LEFT
MERGES AHEAD

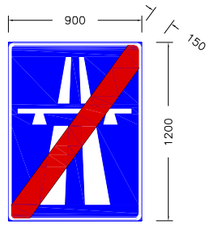
MERGE AHEAD
WITH TRAFFIC FROM
RIGHT

SPECIAL REGULATION SIGNS



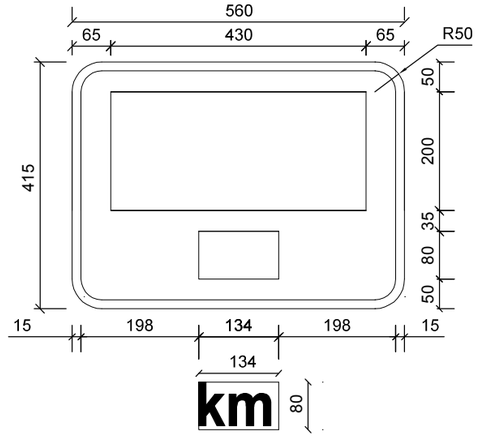
2. 4. 8. 16

EXPRESSWAY

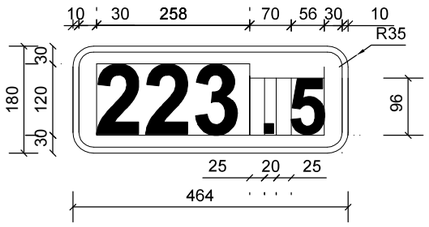


2. 4. 8. 17

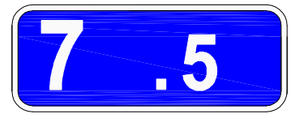
END OF EXPRESSWAY



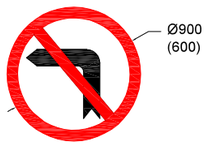
KILOMETER MARKER POST



100 METER MARKER POST



PROHIBITORY SIGNS



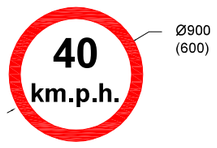
2. 3. 1. 2

NO LEFT TURN

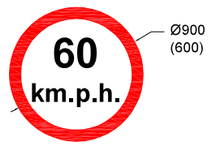
2. 3. 1. 3

NO RIGHT TURN

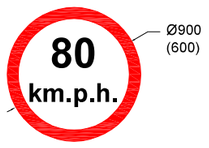
RESTRICTIVE SIGNS



2. 3. 2. 5(a)
SPEED LIMIT

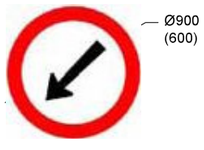


2. 3. 2. 5(b)
SPEED LIMIT



2. 3. 2. 5(b)
SPEED LIMIT

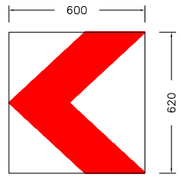
MANDATORY SIGNS



2. 3. 6

PASS THIS SIDE
LEFT SIDE

2. 3. 2. 2
HEIGHT LIMIT



CHEVRON MARKER

SIDE OBSTACLE MARKER
(LEFT HAND SIDE)

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

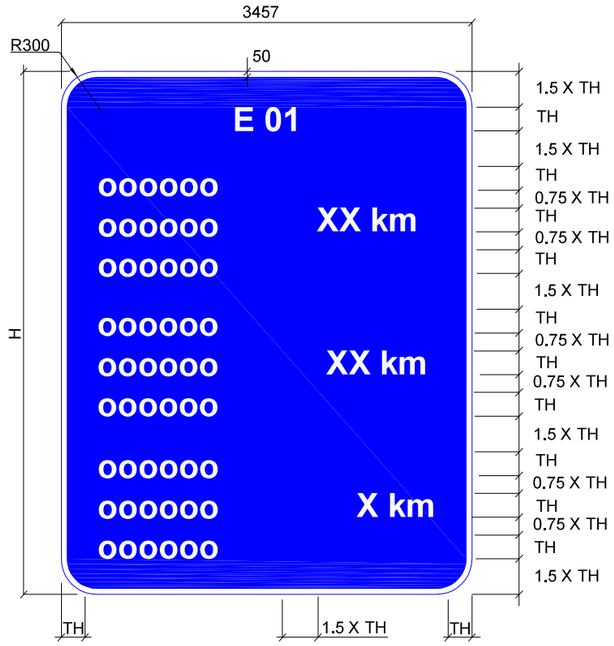
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

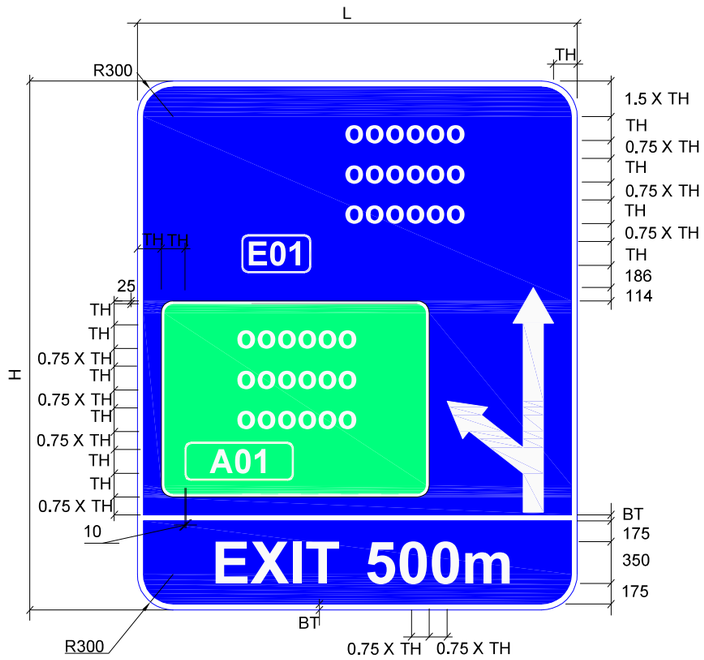
TRAFFIC SIGNS - 1
TYPICAL WARNING SIGNS

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-31

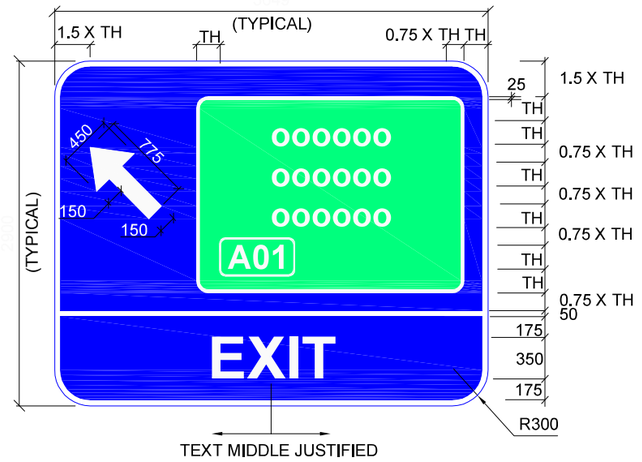
ON EXPRESSWAY FOR INTERCHANGE



CONFIRMATORY SIGN

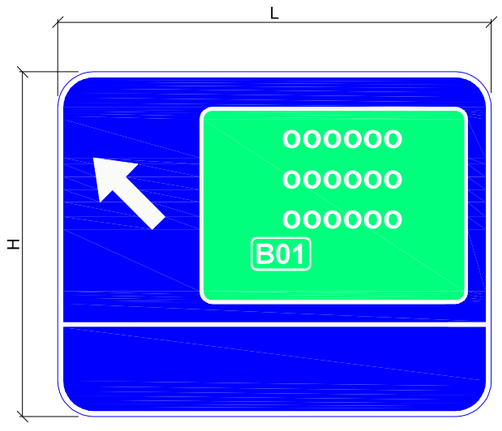


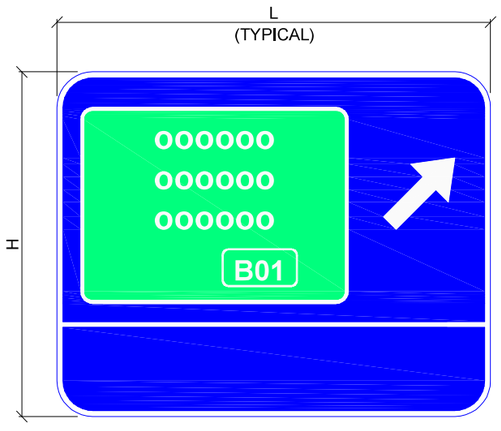
ADVANCE EXIT DIRECTION SIGN



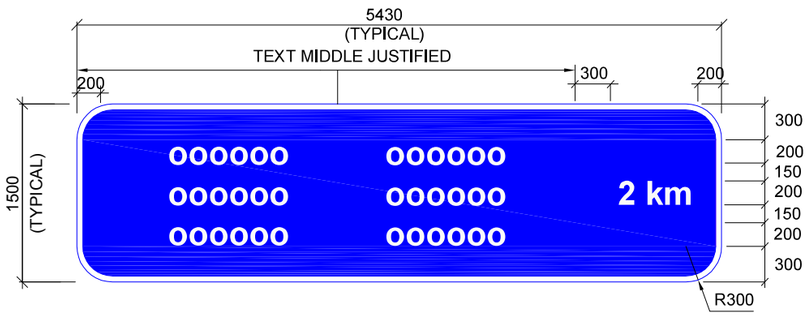
TEXT MIDDLE JUSTIFIED

D-2 EXIT DIRECTION SIGN

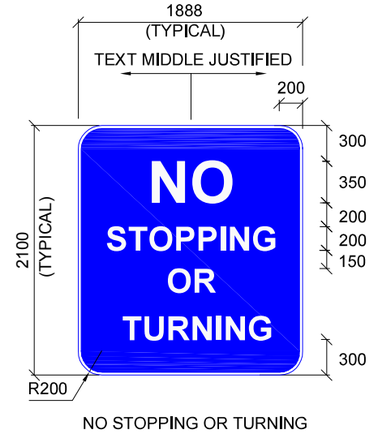




ADVANCE EXIT DIRECTION SIGN FOR FELLOW RAMPS



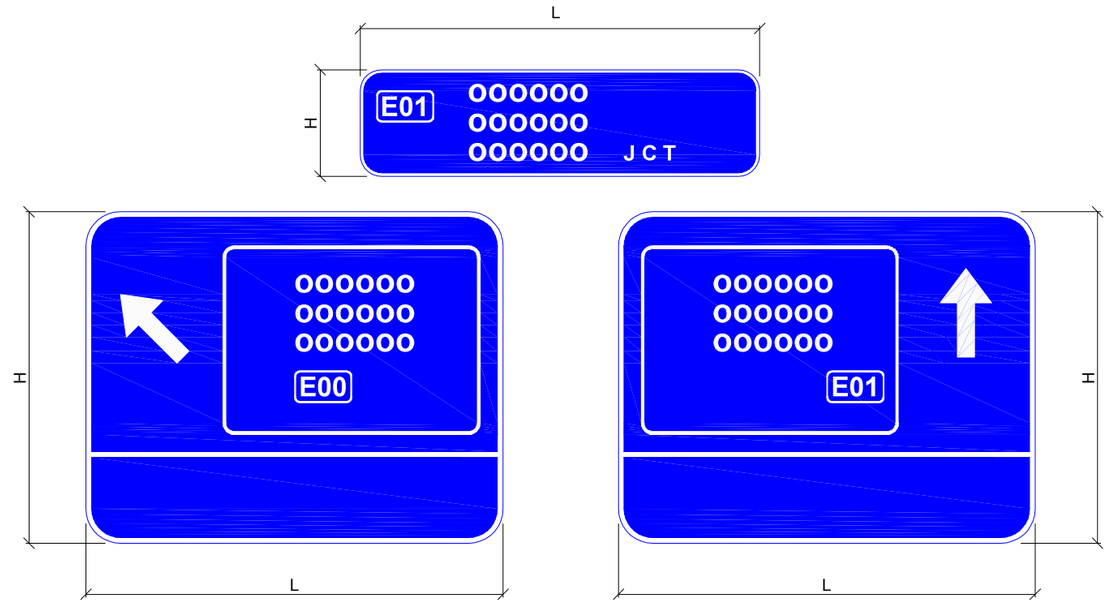
ADVANCE PLACE IDENTIFICATION SIGN



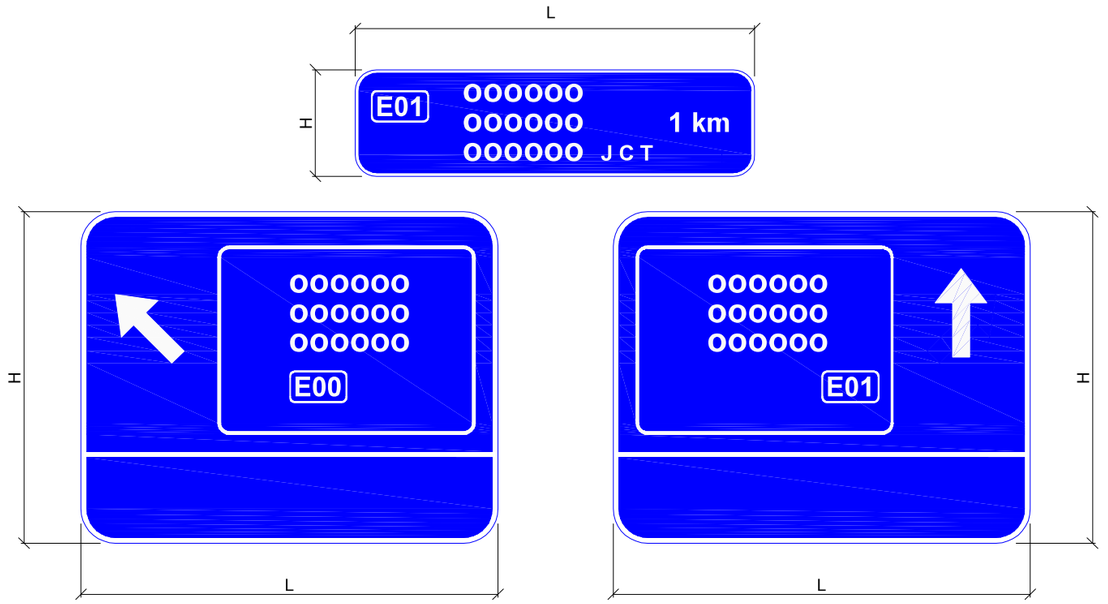
NO STOPPING OR TURNING

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TRAFFIC SIGNS - 2 LAYOUT & DIMENSION STANDARD - 1	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-32

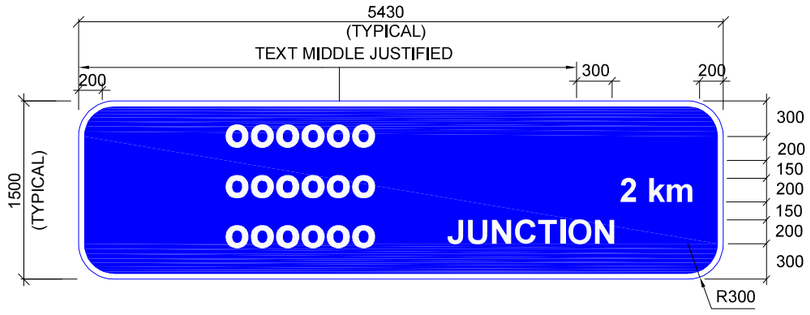
ON EXPRESSWAY FOR JUNCTION



EXIT DIRECTION SIGN



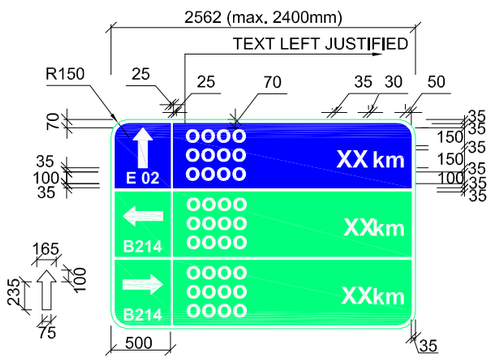
ADVANCE EXIT DIRECTION SIGN



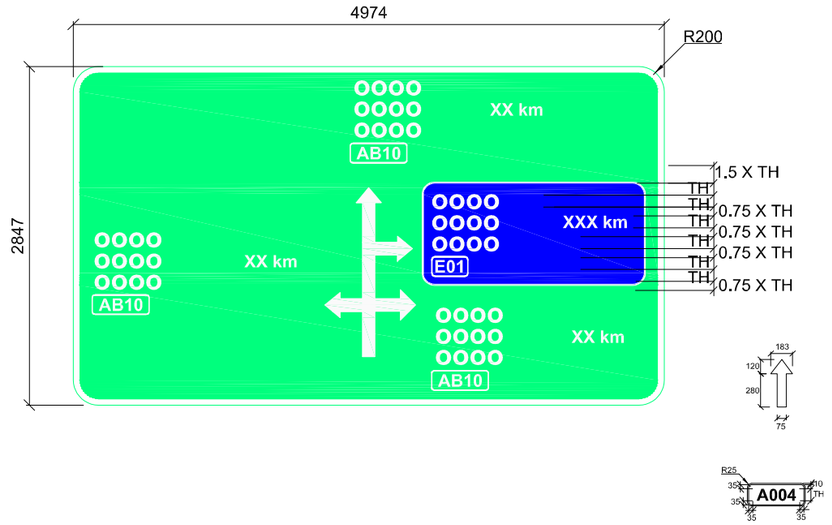
ADVANCE PLACE IDENTIFICATION SIGN

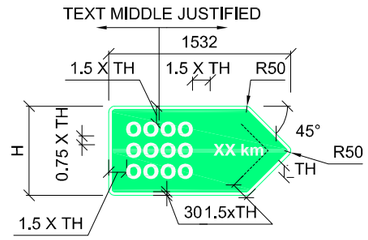
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TRAFFIC SIGNS - 3 LAYOUT & DIMENSION STANDARD - 2	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-33

ON HIGHWAYS

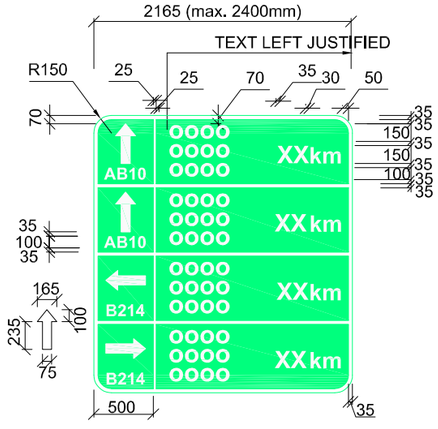


ADVANCE DIRECTION SIGN TYPE 2

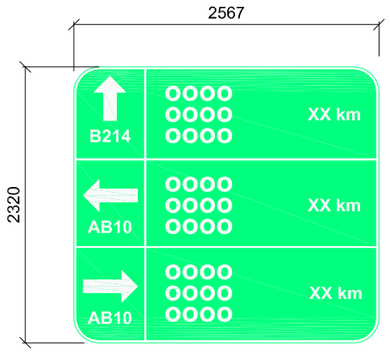


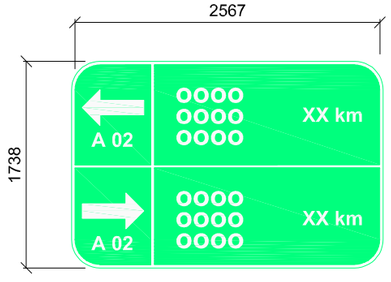


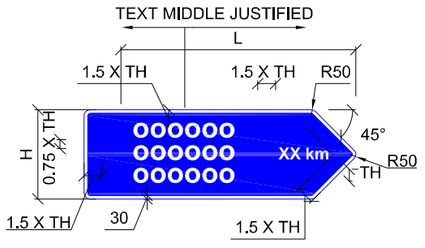
2. 4. 2. 1(a) DIRECTION SIGN



ADVANCE DIRECTION SIGN

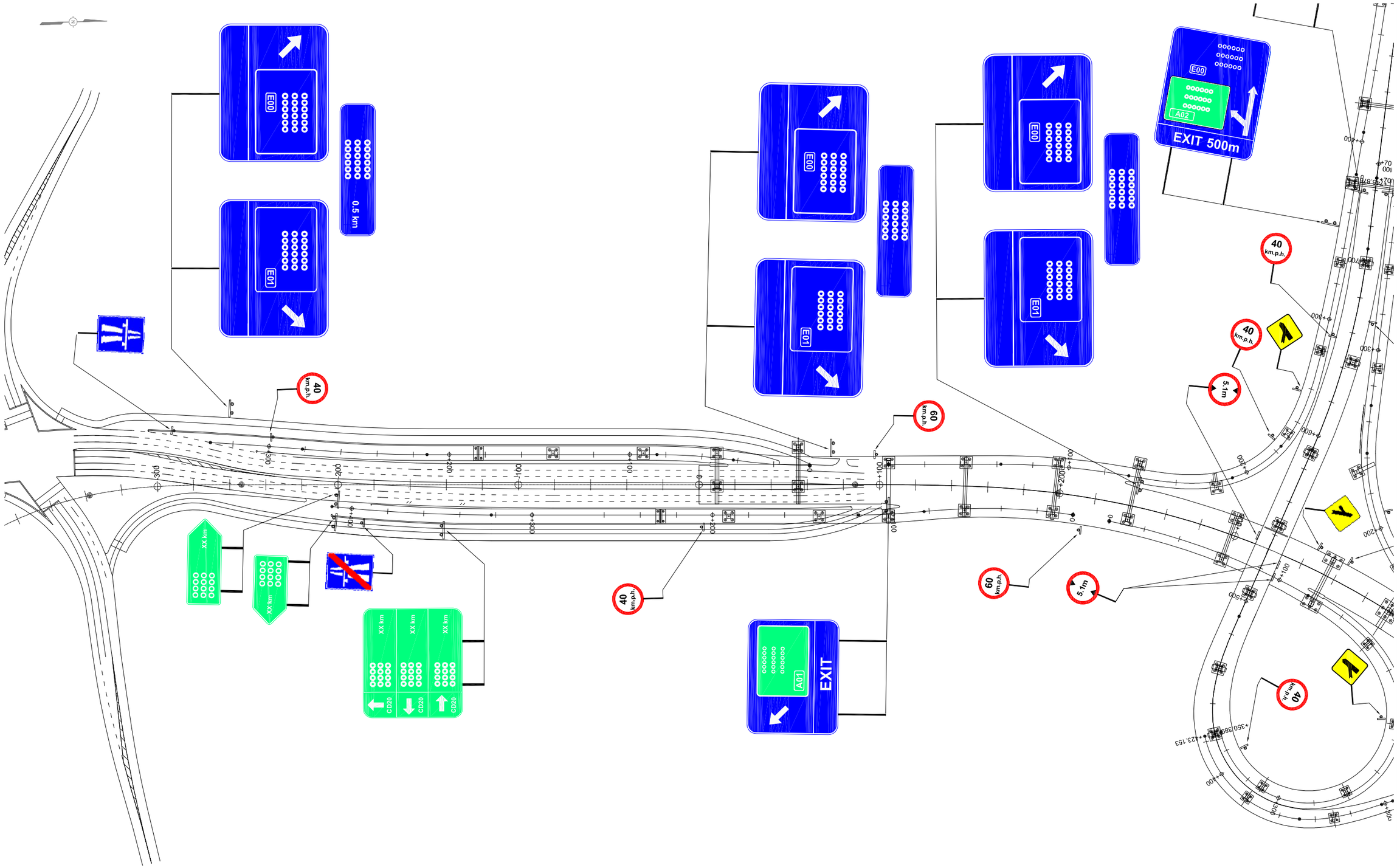




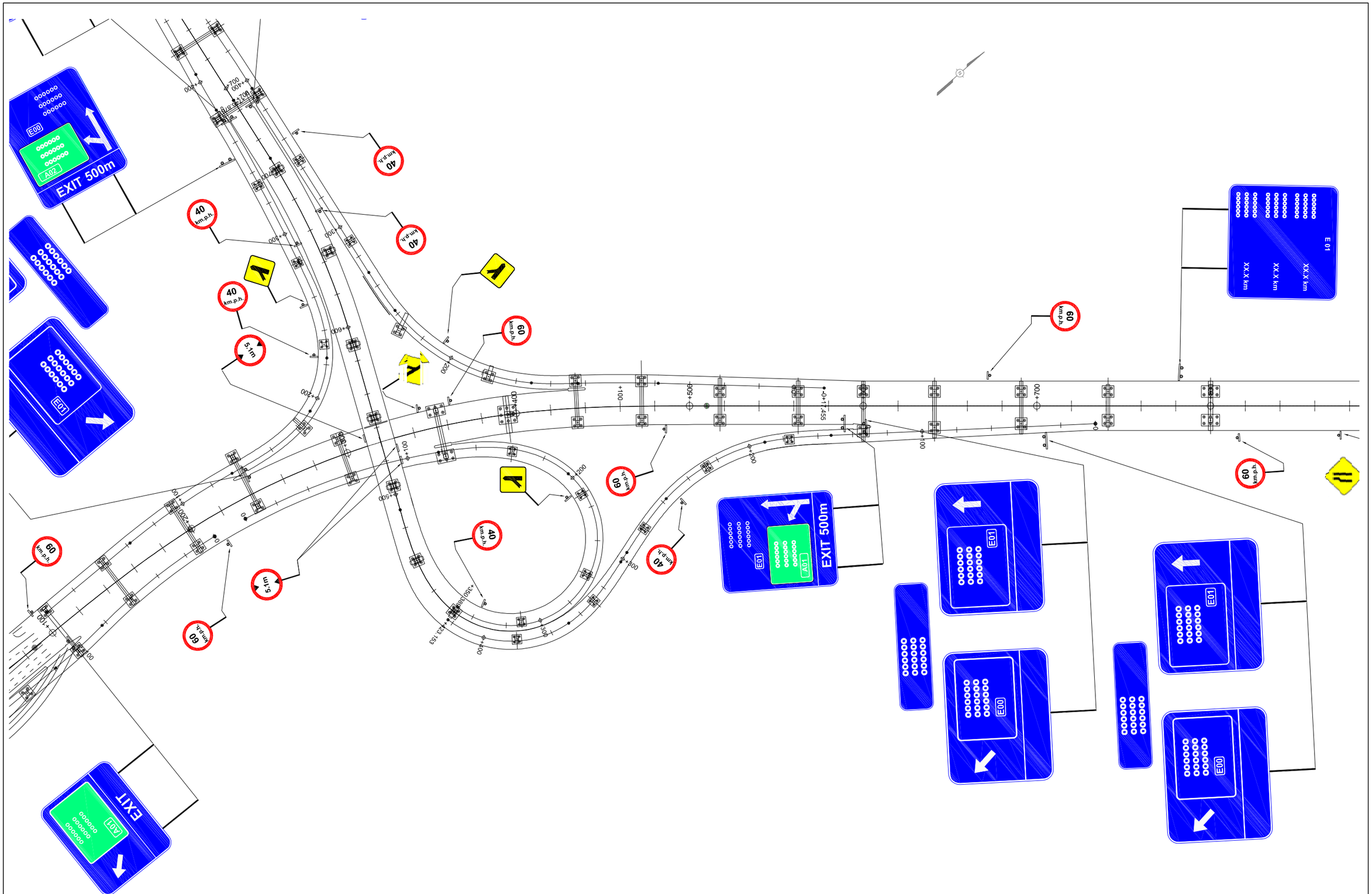


2. 4. 2. 1(a) DIRECTION SIGN

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TRAFFIC SIGNS - 4 LAYOUT & DIMENSION STANDARD - 3	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-34

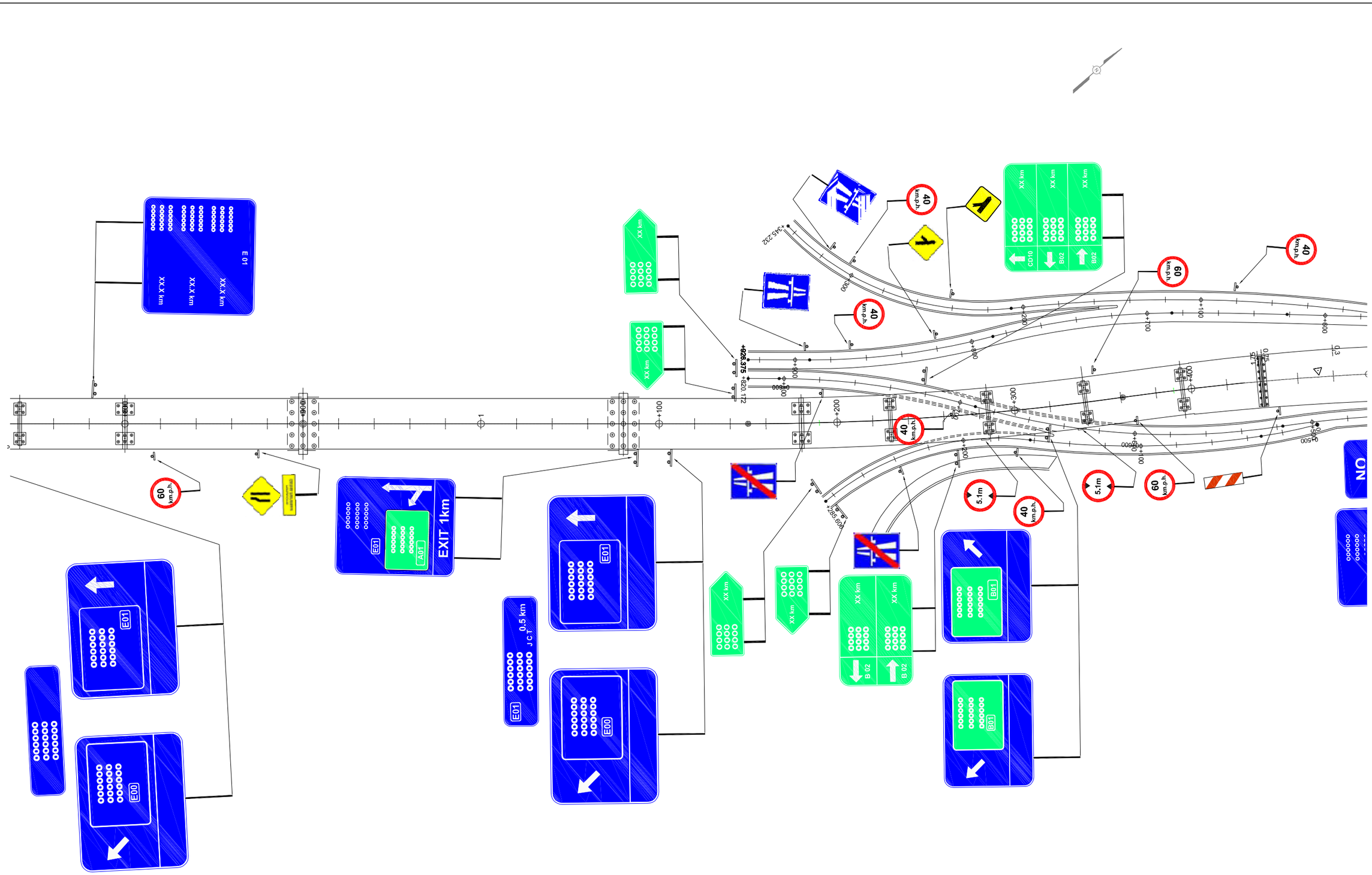


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TRAFFIC SIGN LAYOUT - 1 ORUGODAWATTA	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-35

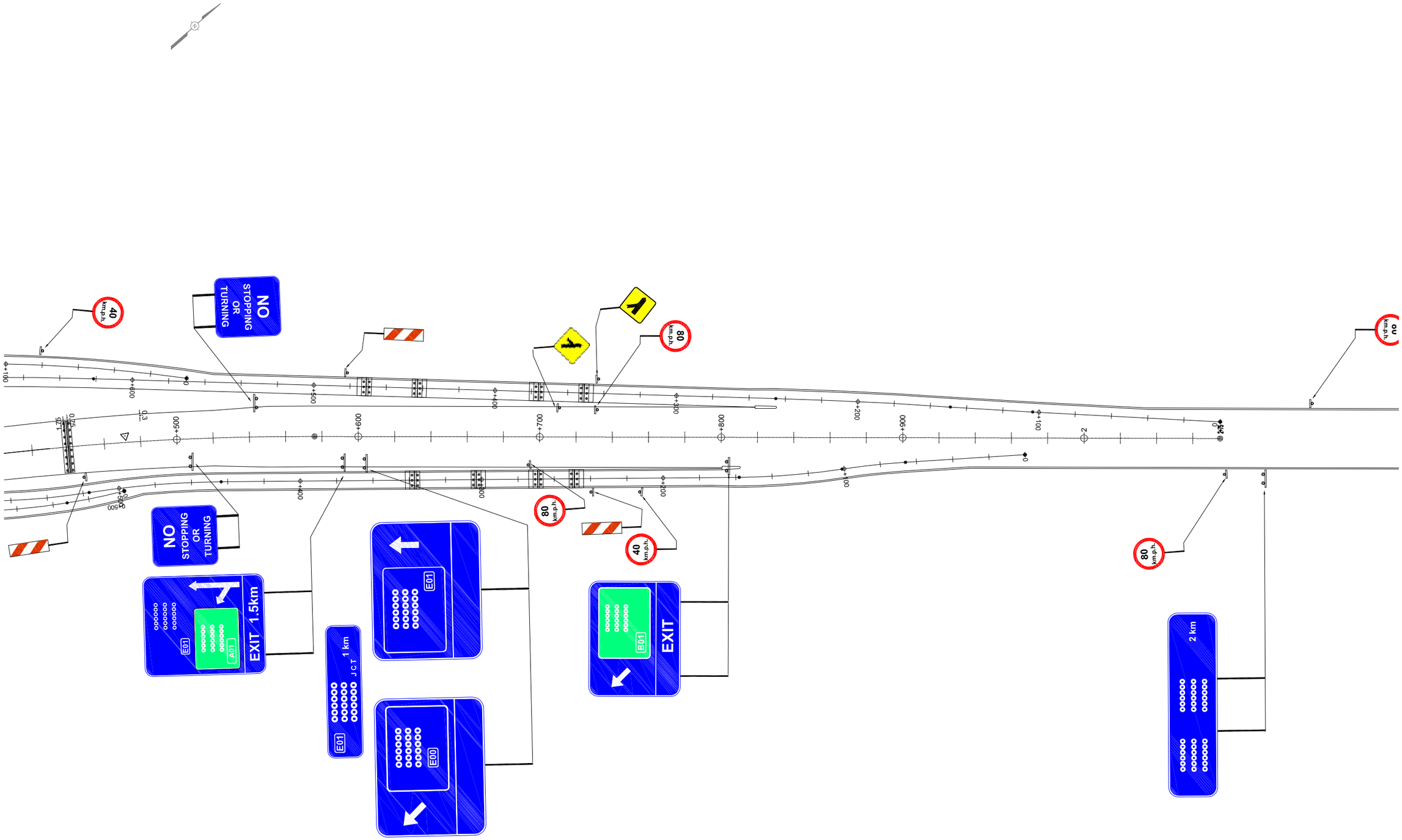


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE
					TRAFFIC SIGN LAYOUT - 2 KELANITTISA
		No	REVISION	DATE	

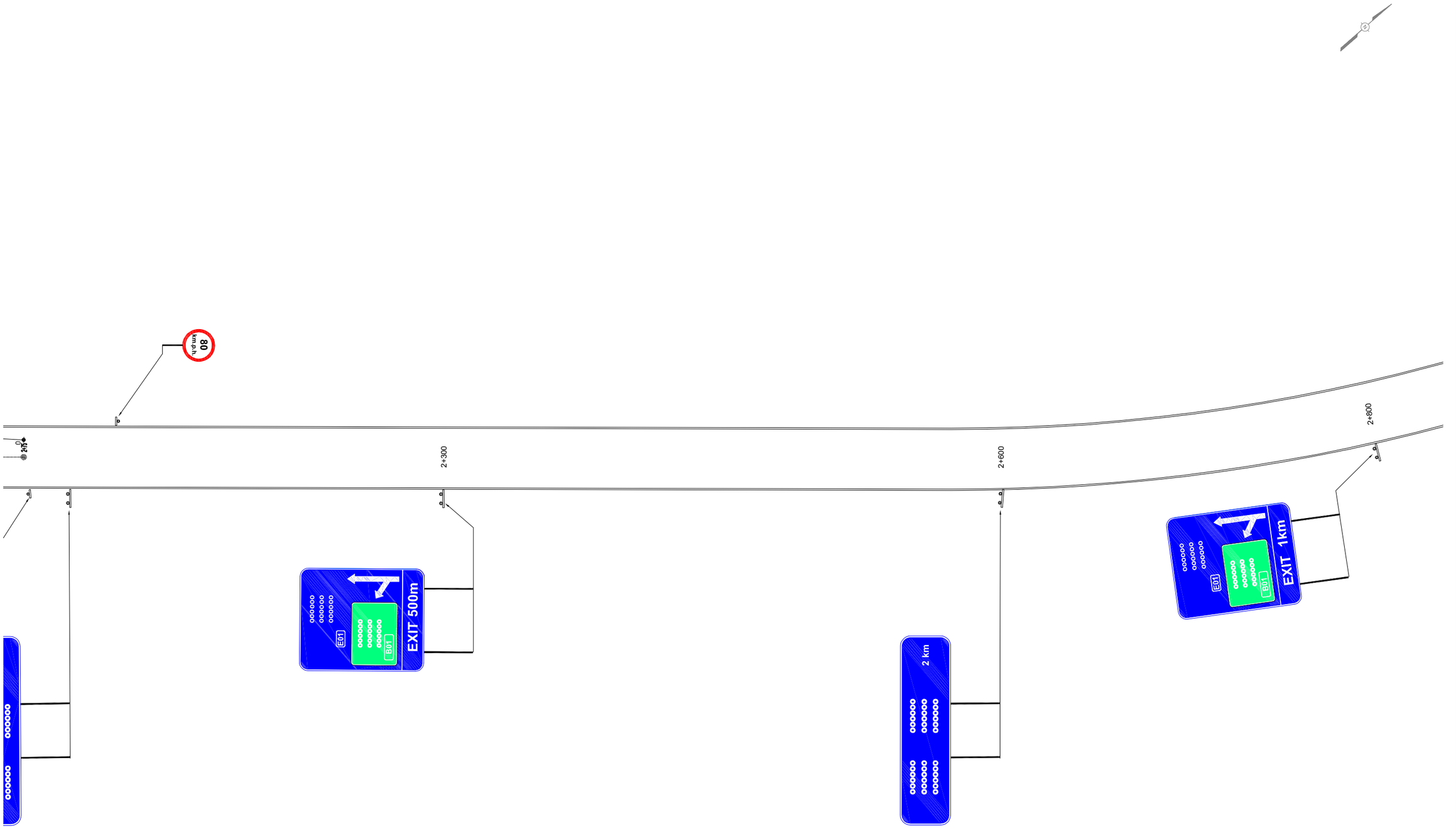
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-36



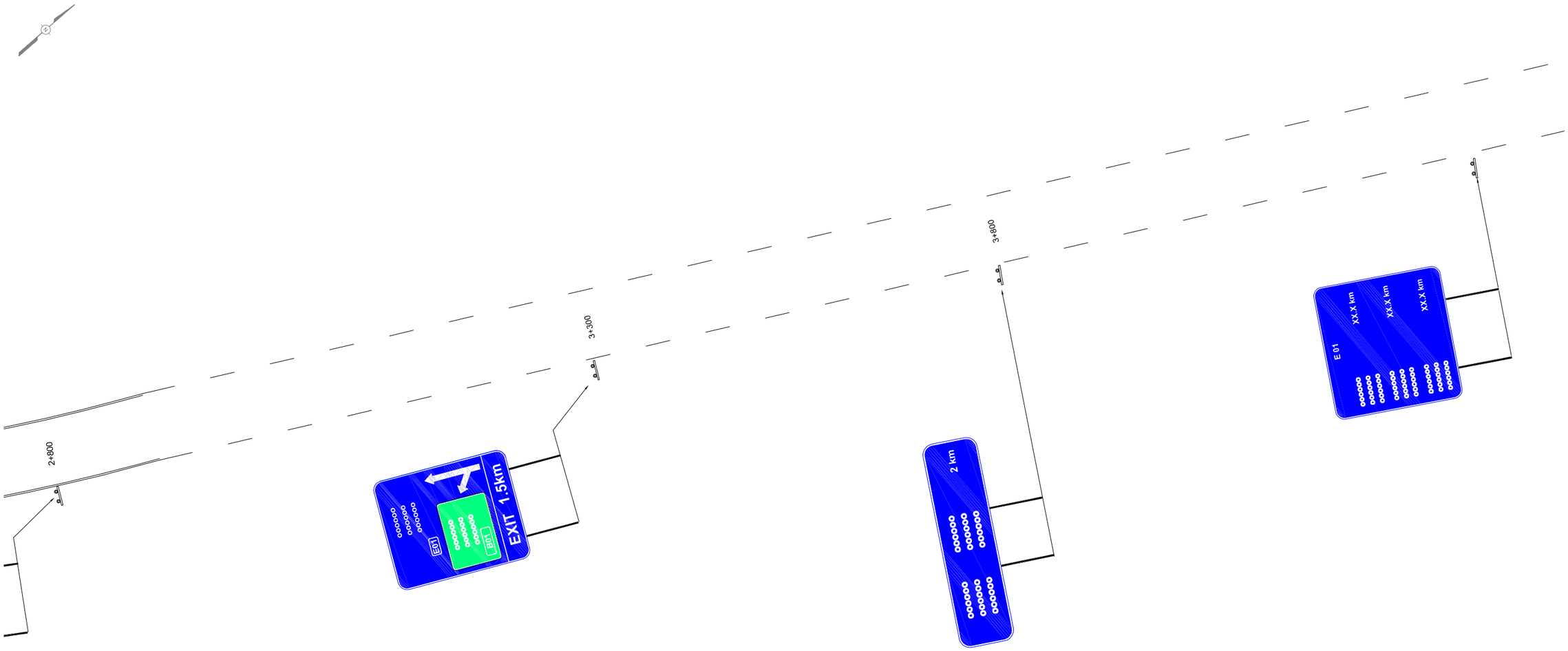
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	**PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE** TRAFFIC SIGN LAYOUT - 3 2nd NEW KEANI BRIDGE	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-37



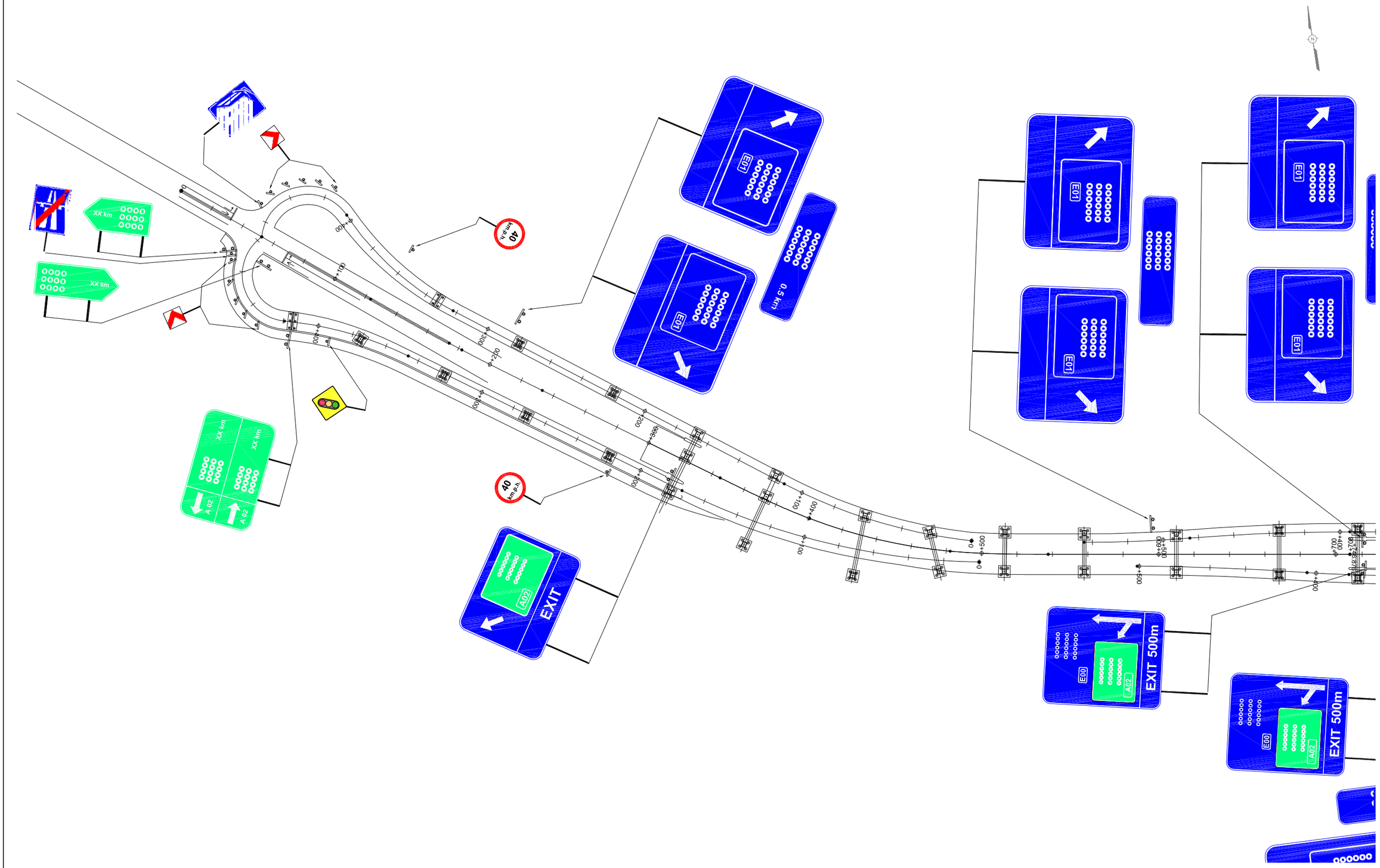
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TRAFFIC SIGN LAYOUT - 4 CKE	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-38



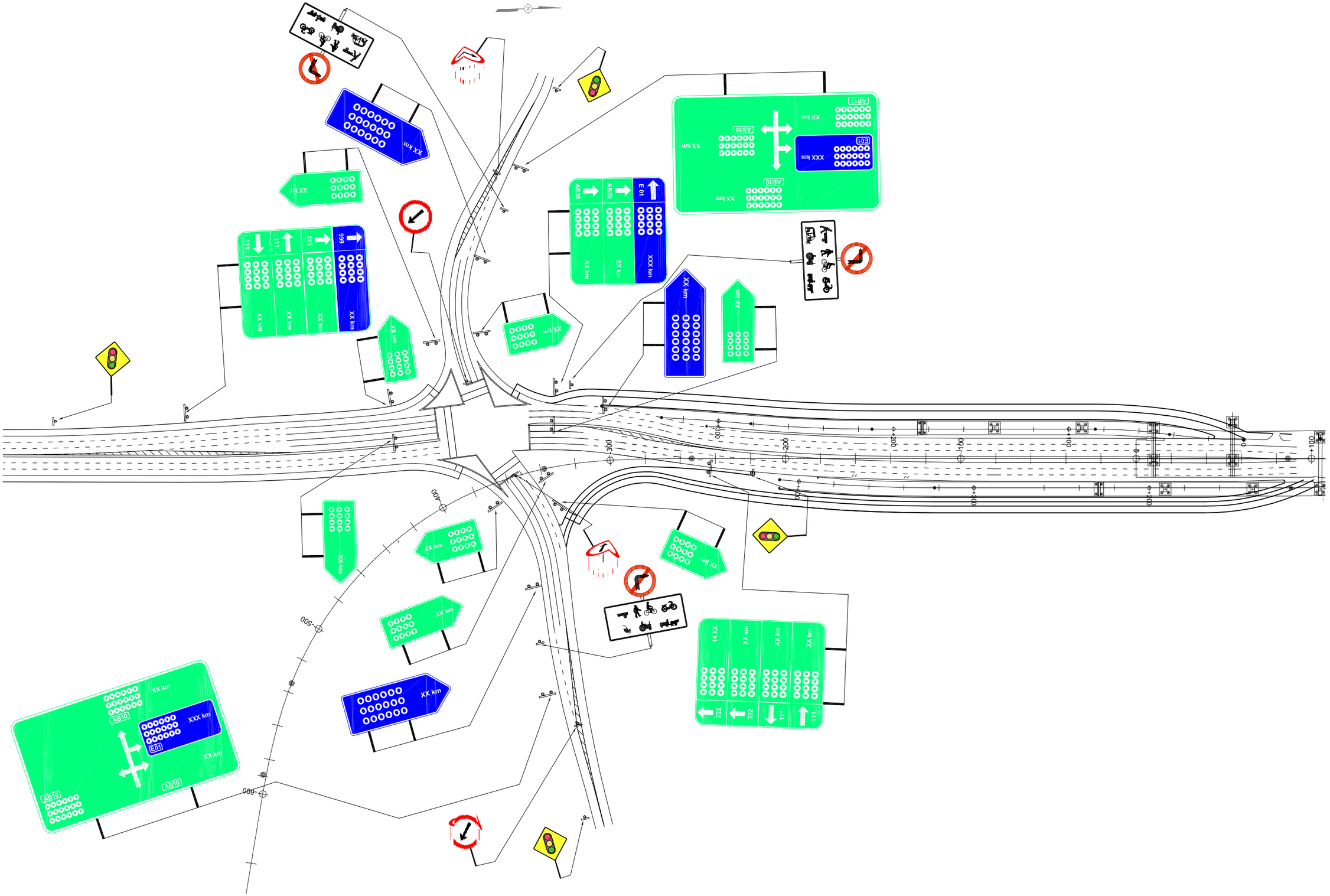
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
					CHECKED BY:
				TRAFFIC SIGN LAYOUT - 5 CKE	APPROVED BY:
		No	REVISION / DATE		DWG. NO. H-39



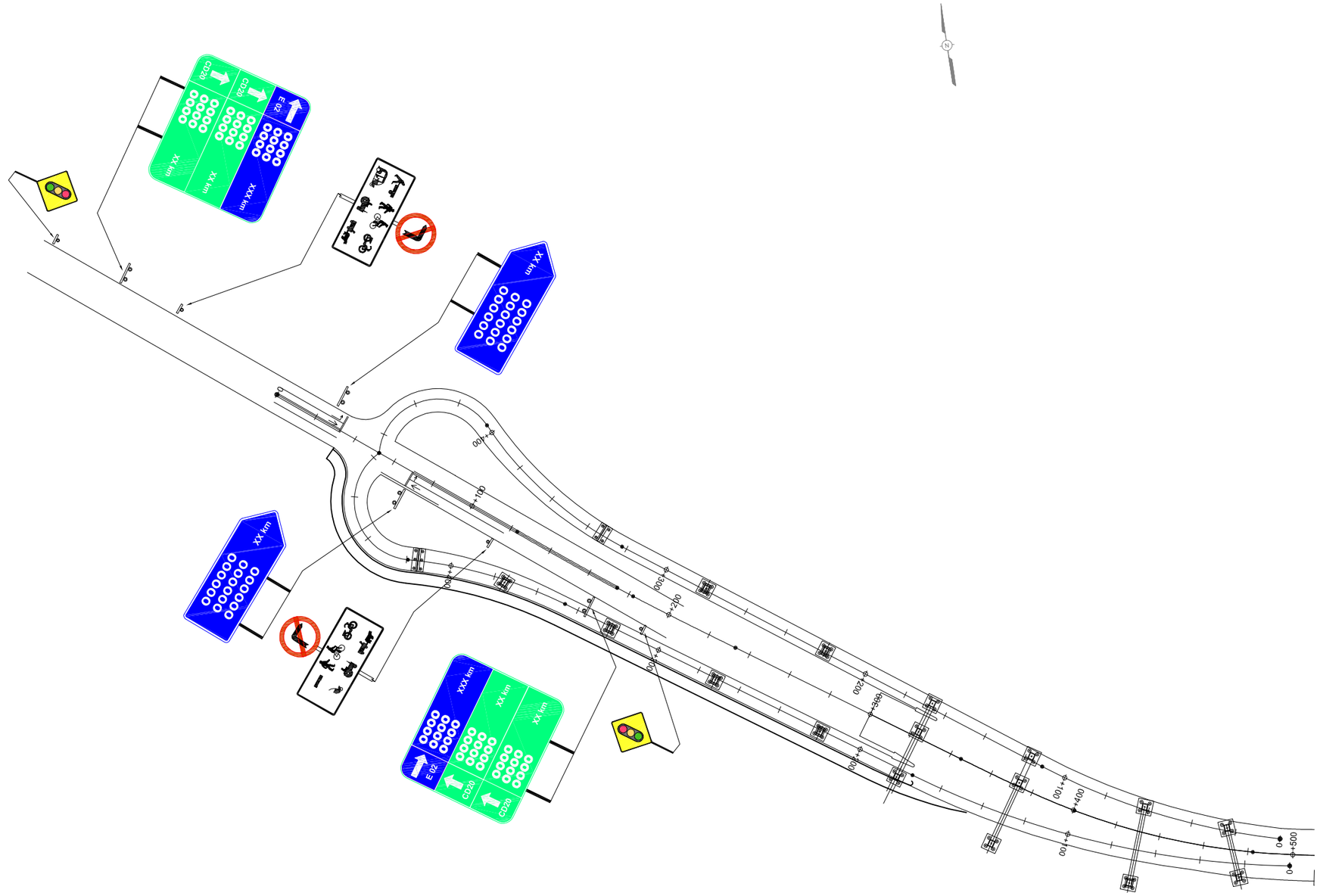
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	***PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE***	DESIGNED BY: / CHECKED BY: / APPROVED BY:
					TRAFFIC SIGN LAYOUT - 6 CKE	DWG. NO. H-40



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TRAFFIC SIGN LAYOUT - 7 INGURUKADE	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	 H-41



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	**PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE** TRAFFIC SIGN LAYOUT - 8 ORUGODAWATTA INTERSECTION	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-42



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					TRAFFIC SIGN LAYOUT - 9 INGURUKADE INTERSECTION	APPROVED BY:	
		No	REVISION	DATE		DWG. NO.	H-43

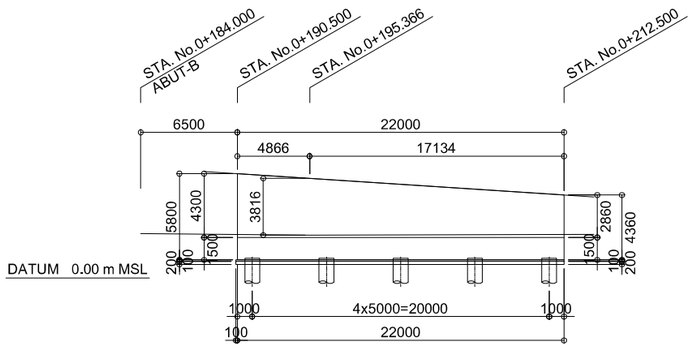
GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (1)

STA.0+184.000 TO STA.0+212.500

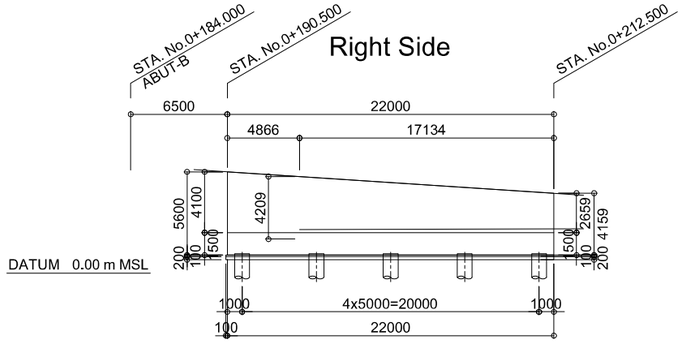
U Type Retaining wall

PROFILE SCALE 1:400

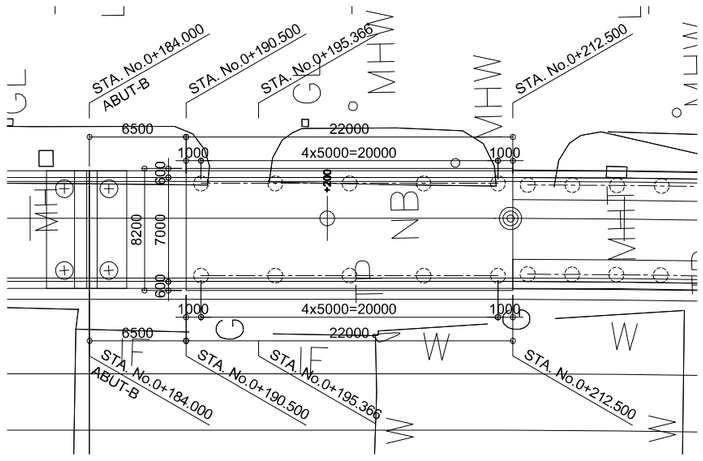
Left Side



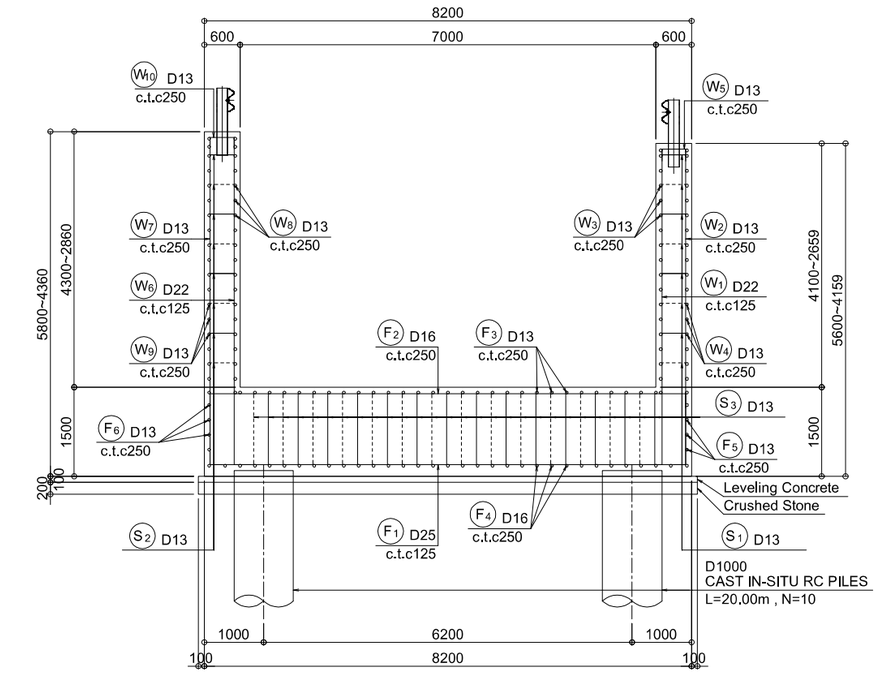
Right Side



PLAN SCALE 1:400



SECTION SCALE 1:100



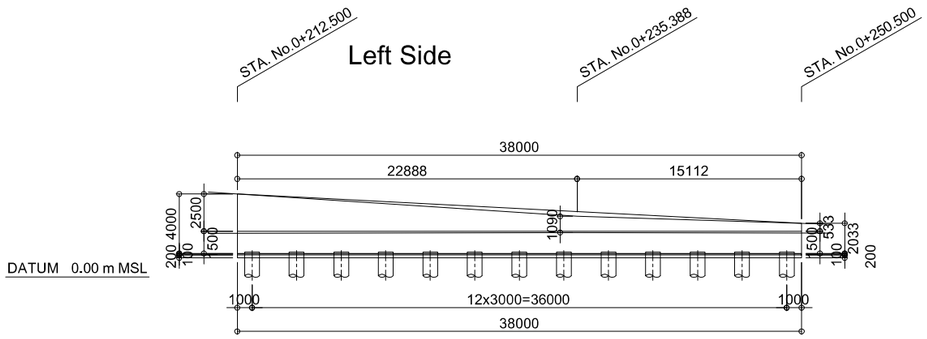
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (1) STA.0+184.000 TO STA.0+212.500	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. R-01

GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (2)

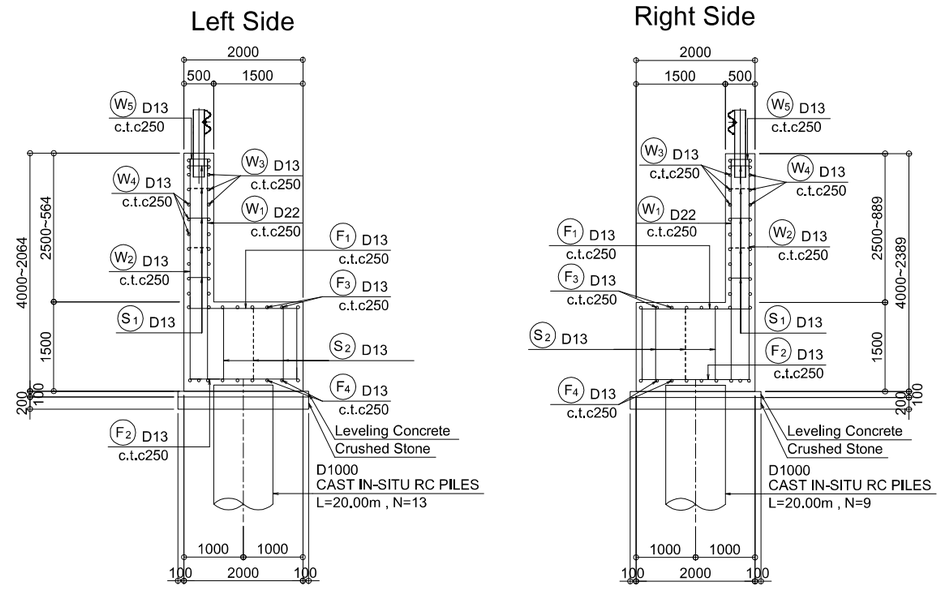
STA.0+212.500 TO STA.0+250.500

L Type Retaining wall

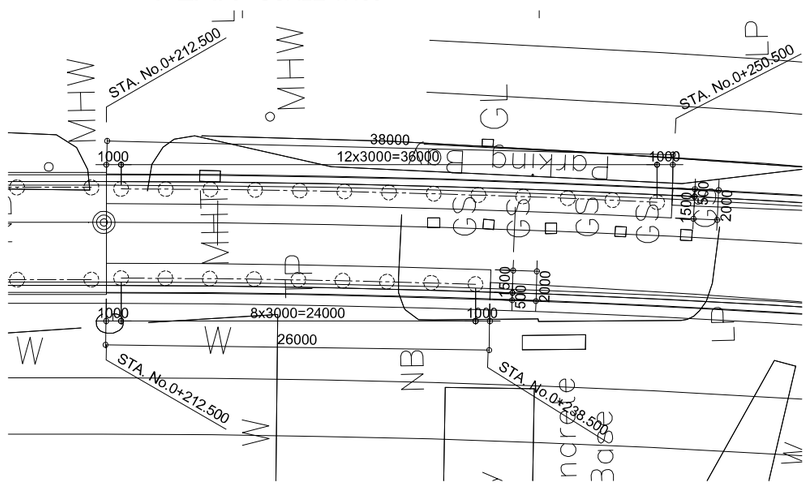
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
			CHECKED BY:
		GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (2) STA.0+212.500 TO STA.0+250.500	APPROVED BY:
			DWG. NO. R-02

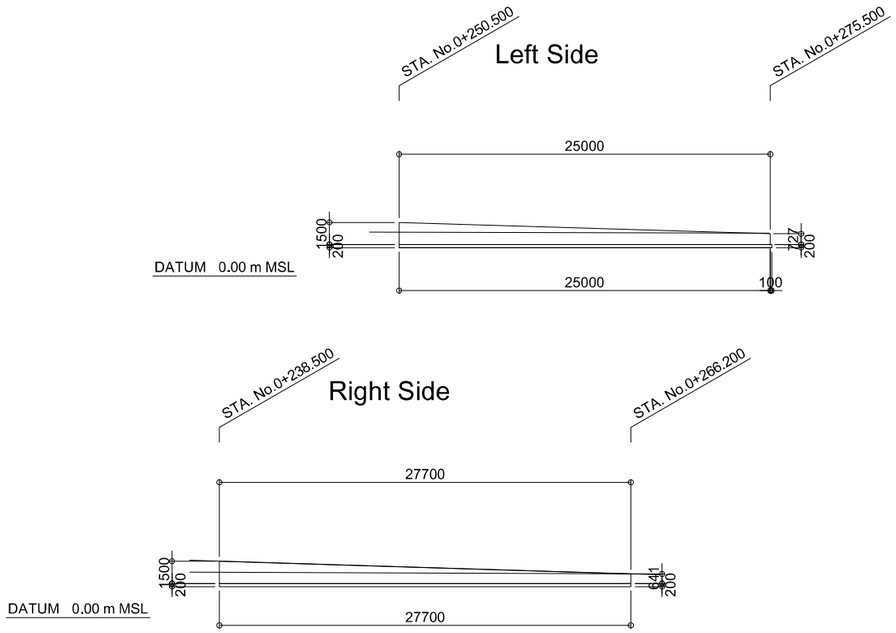
No	REVISION	DATE

GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (3)

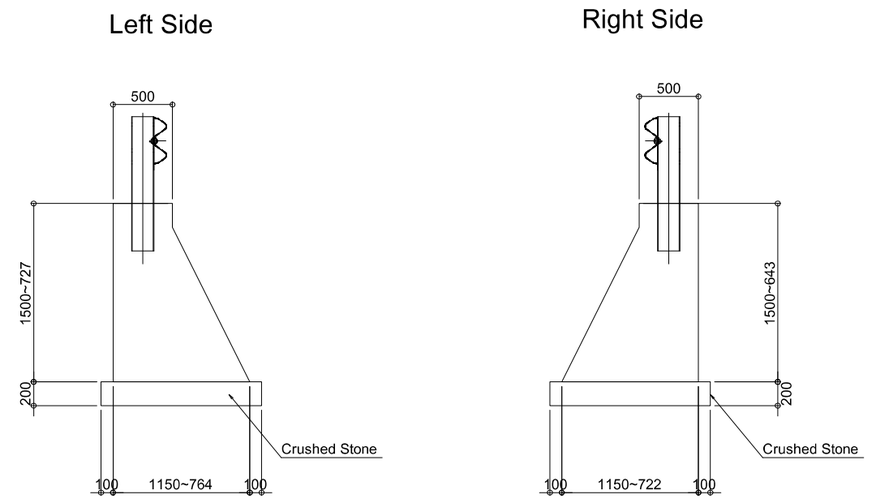
STA.0+238.500 TO STA.0+275.500

Gravity Retaining wall

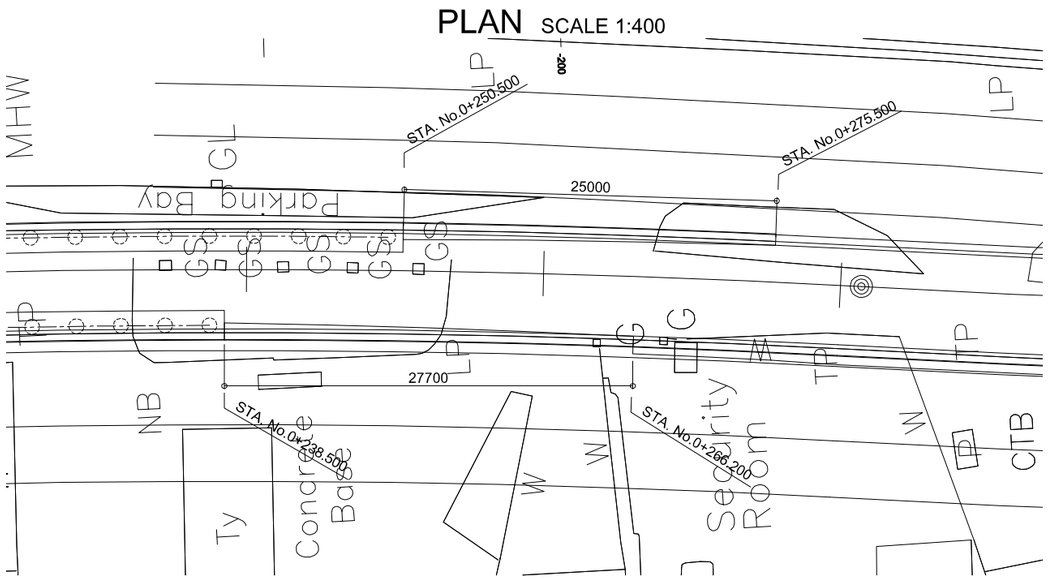
PROFILE SCALE 1:400



SECTION SCALE 1:50



PLAN SCALE 1:400



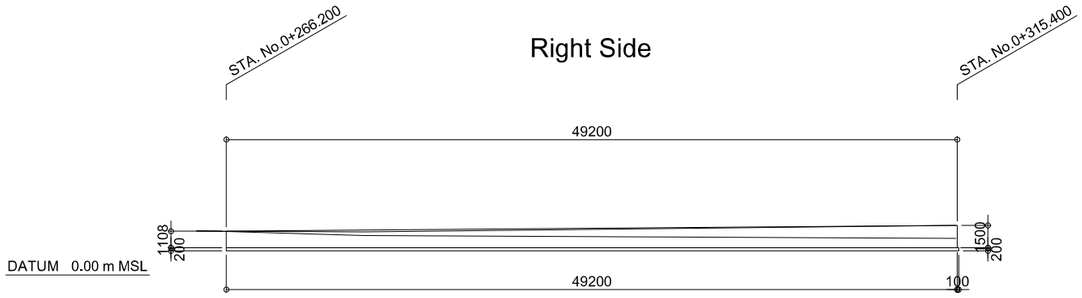
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	**PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE** GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (3) STA.0+238.500 TO STA.0+275.500	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. R-03

GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (4)

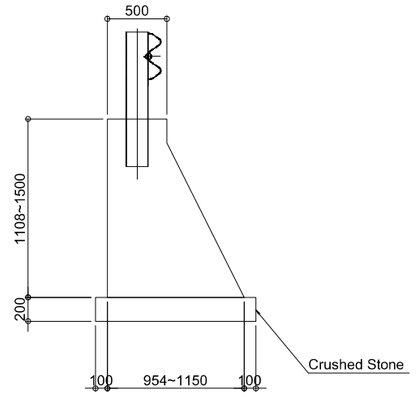
STA.0+266.200 TO STA.0+315.400

Gravity Retaining wall

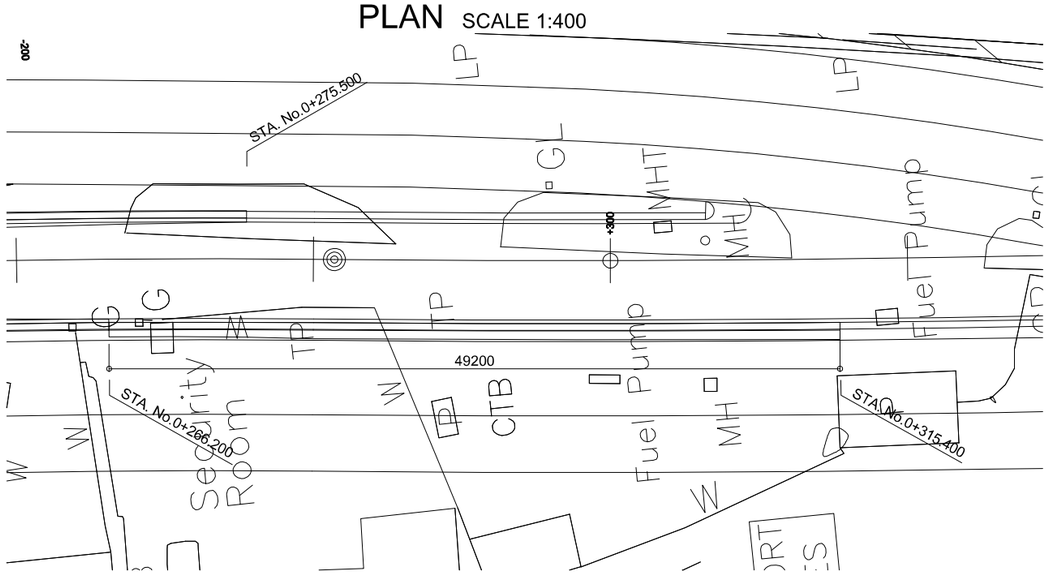
PROFILE SCALE 1:400



SECTION SCALE 1:50



PLAN SCALE 1:400



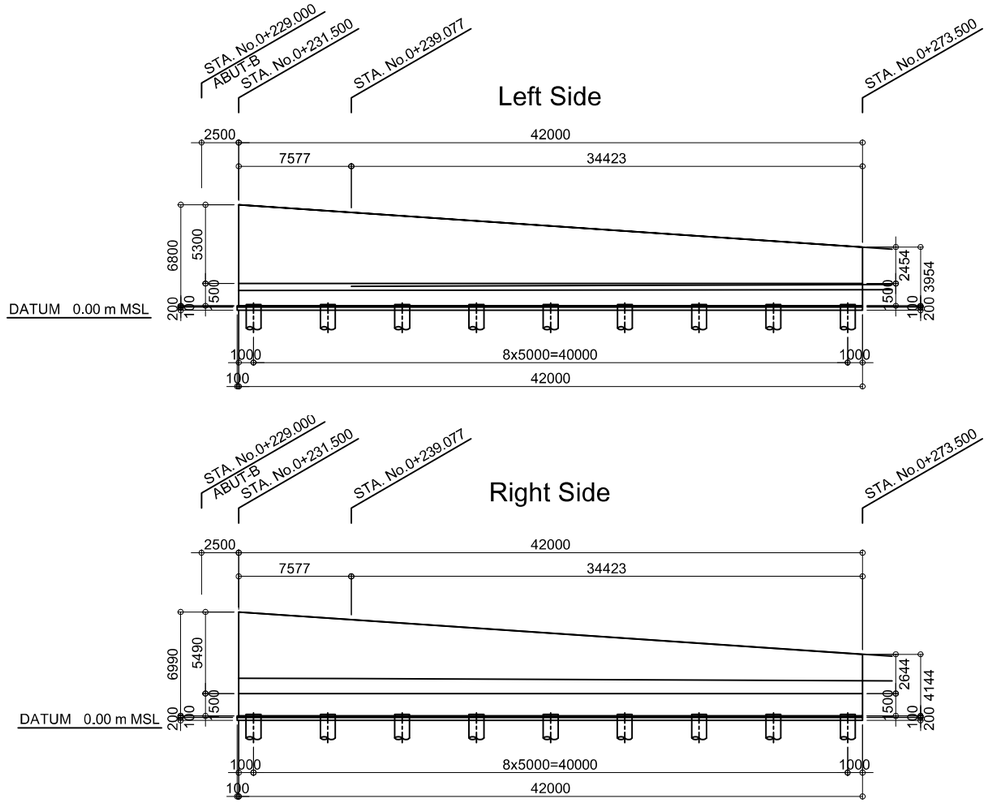
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (4) STA.0+266.200 TO STA.0+315.400	APPROVED BY:	
		No	REVISION	DATE		DWG. NO.	R-04

GENERAL VIEW OF RETAINING WALL ORUGODAWATTA OFF RAMP (1)

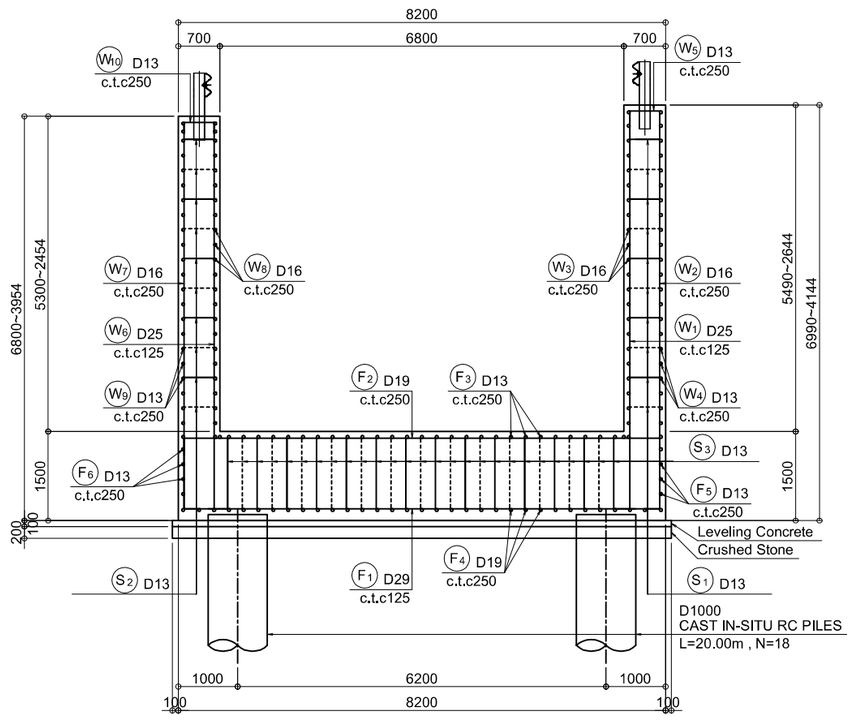
STA.0+229.000 TO STA.0+273.500

U Type Retaining wall

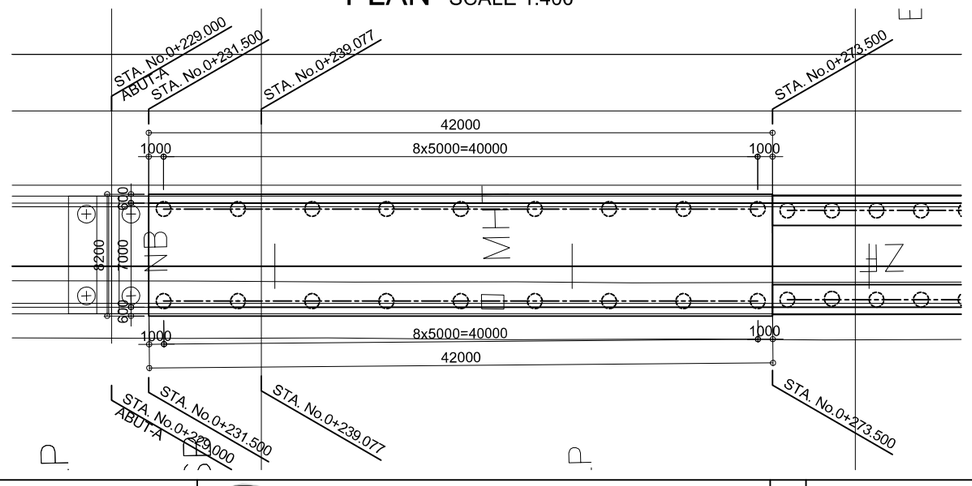
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



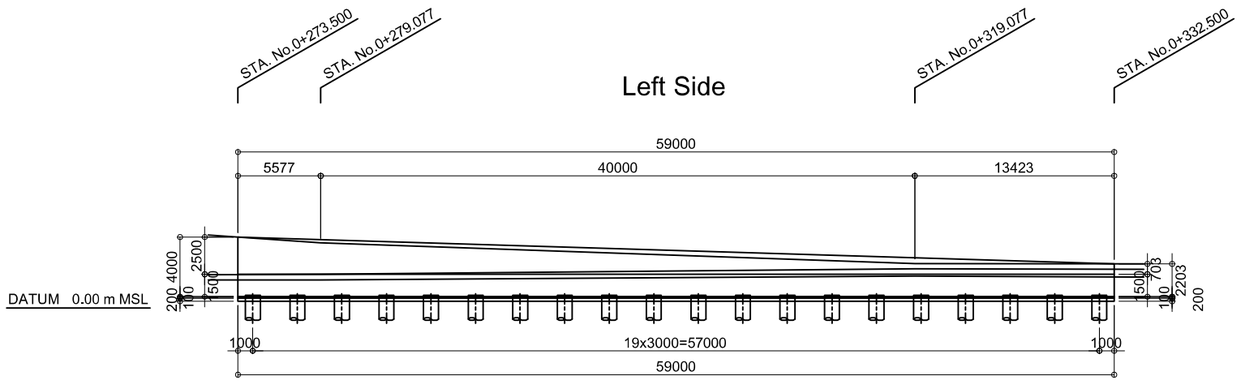
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
					CHECKED BY:
				GENERAL VIEW OF RETAINING WALL ORUGODAWATTA OFF RAMP (1) STA.0+229.000 TO STA.0+273.500	APPROVED BY:
		No	REVISION / DATE		DWG. NO. R-05

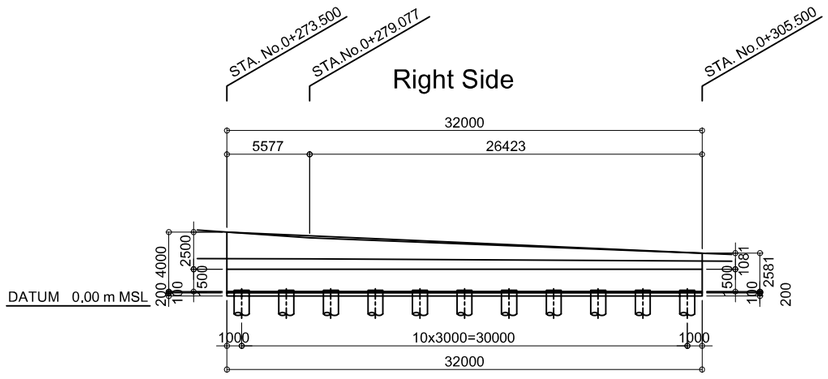
GENERAL VIEW OF RETAINING WALL ORUGODAWATTA OFF RAMP (2)

STA.0+273.500 TO STA.0+332.500

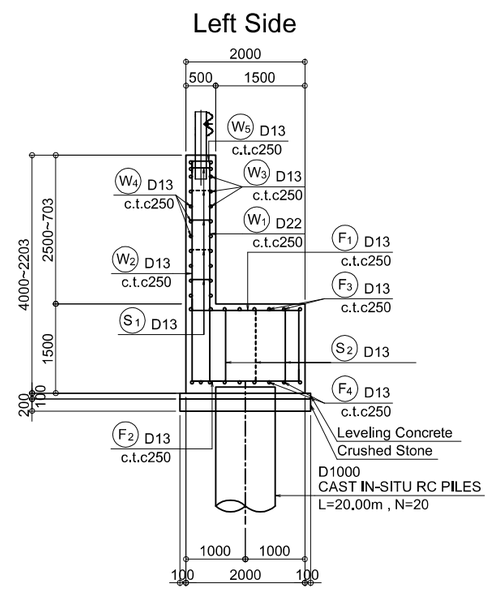
L Type Retaining wall

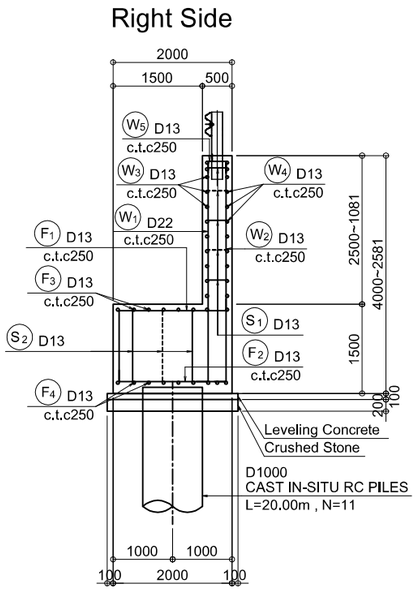
PROFILE SCALE 1:400



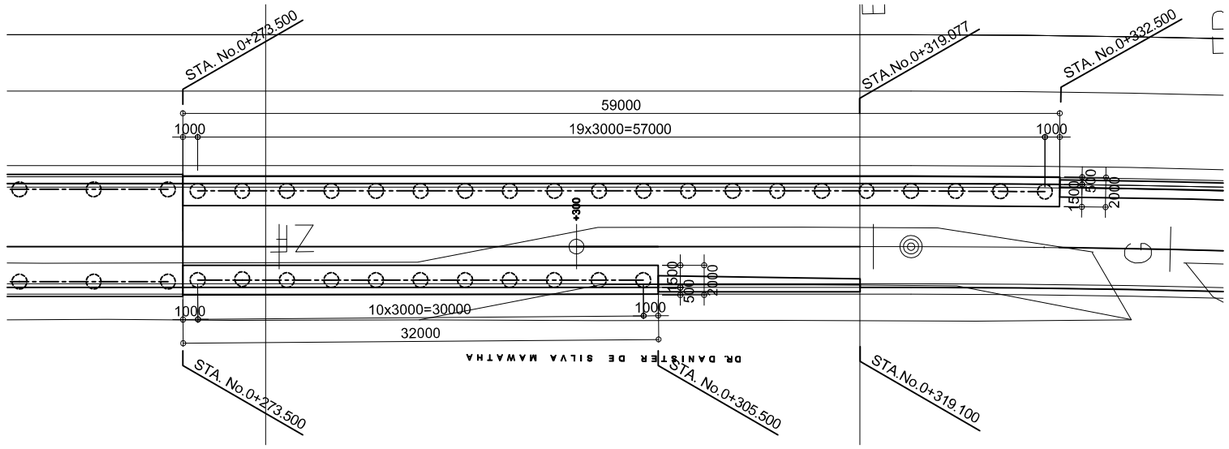


SECTION SCALE 1:100





PLAN SCALE 1:400



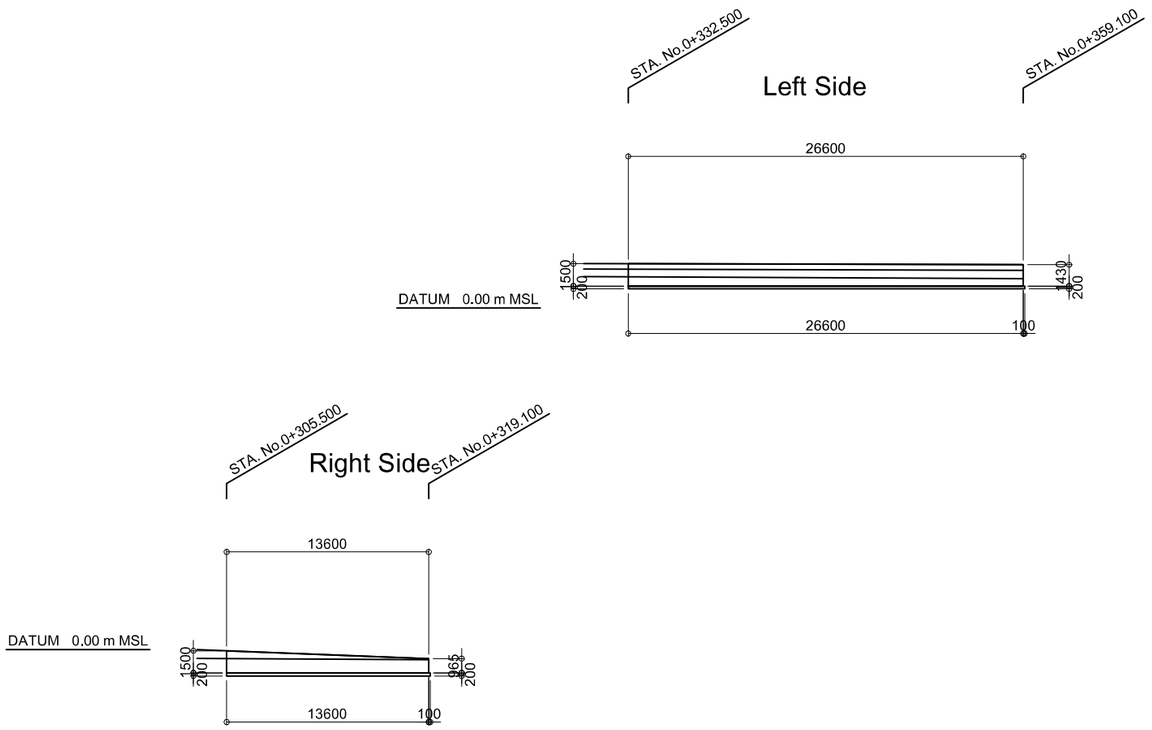
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL VIEW OF RETAINING WALL ORUGODAWATTA OFF RAMP (2) STA.0+273.500 TO STA.0+332.500	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. R-06

GENERAL VIEW OF RETAINING WALL ORUGODAWATTA OFF RAMP (3)

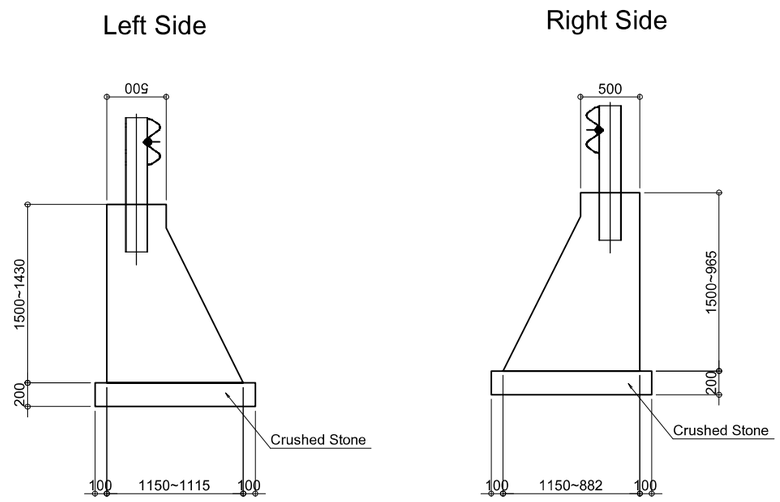
STA.0+305.500 TO STA.0+359.100

Gravity Retaining wall

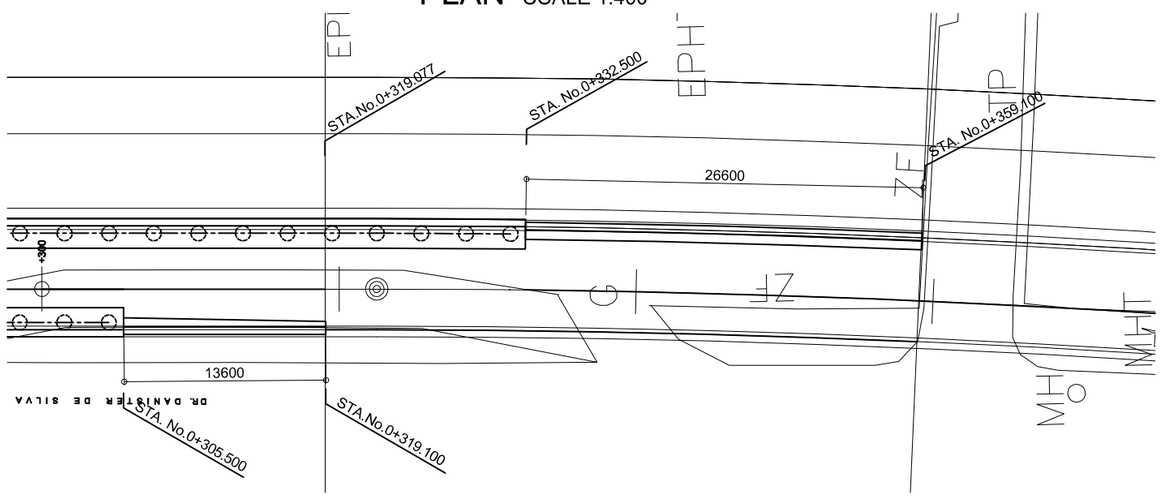
PROFILE SCALE 1:400



SECTION SCALE 1:50



PLAN SCALE 1:400



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
					CHECKED BY:
				GENERAL VIEW OF RETAINING WALL ORUGODAWATTA OFF RAMP (3) STA.0+305.500 TO STA.0+359.100	APPROVED BY:
		No	REVISION / DATE		DWG. NO. R-07

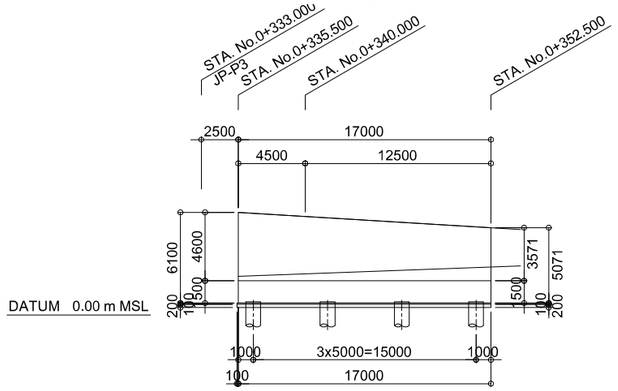
GENERAL VIEW OF RETAINING WALL INGURUKADE ON RAMP (1)

STA.0+333.000 TO STA.0+352.500

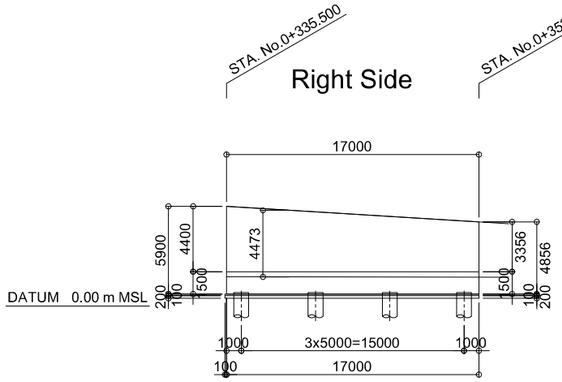
U Type Retaining wall

PROFILE SCALE 1:400

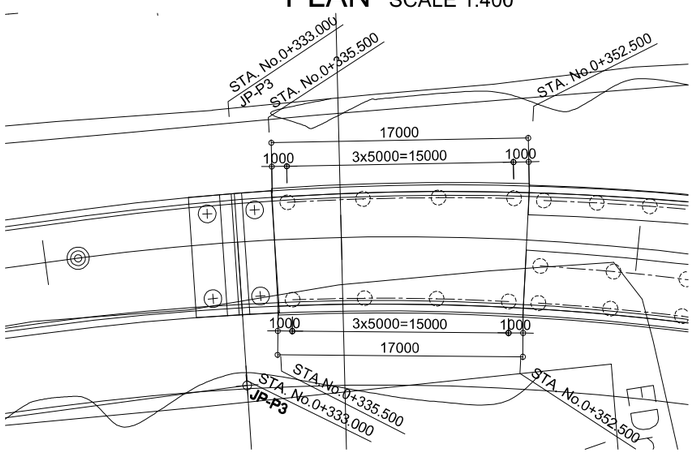
Left Side



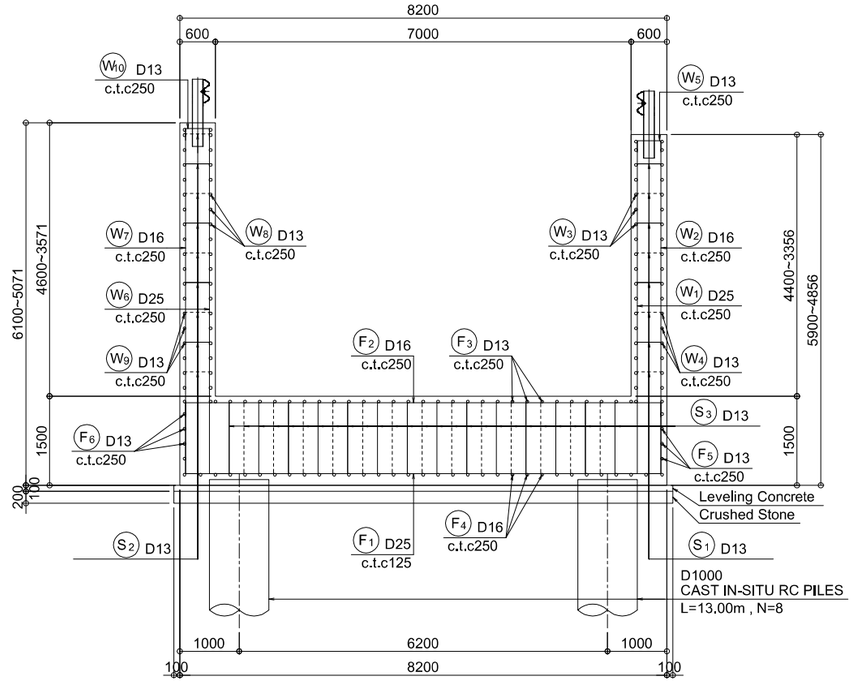
Right Side



PLAN SCALE 1:400



SECTION SCALE 1:100



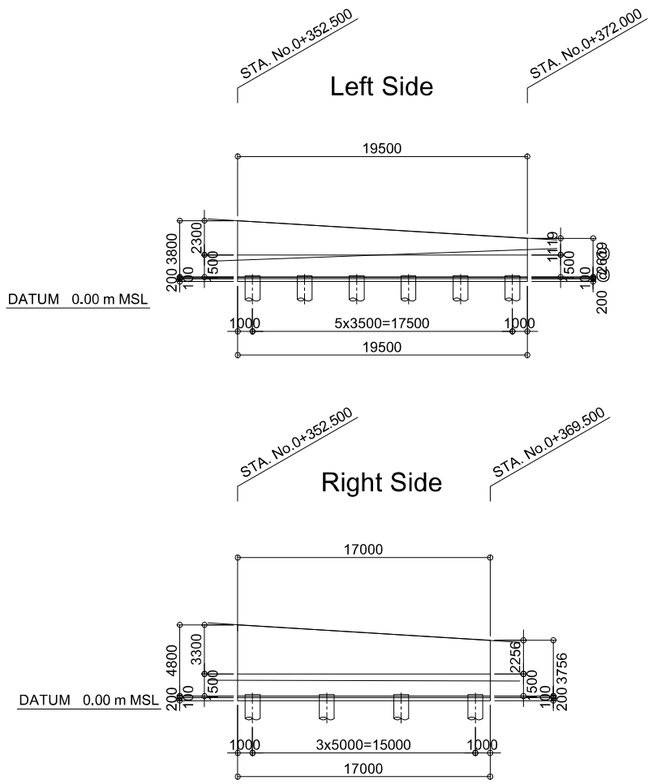
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL VIEW OF RETAINING WALL INGURUKADE ON RAMP(1) STA.0+333.000 TO STA.0+352.500	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. R-08

GENERAL VIEW OF RETAINING WALL INGURUKADE ON RAMP (2)

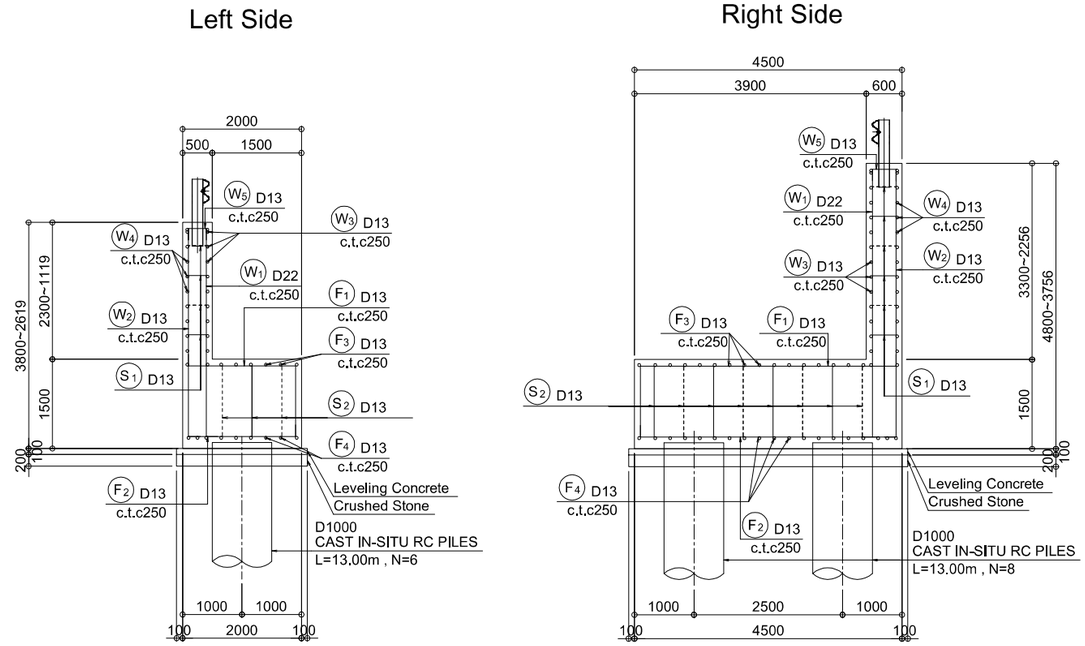
STA.0+352.500 TO STA.0+372.000

L Type Retaining wall

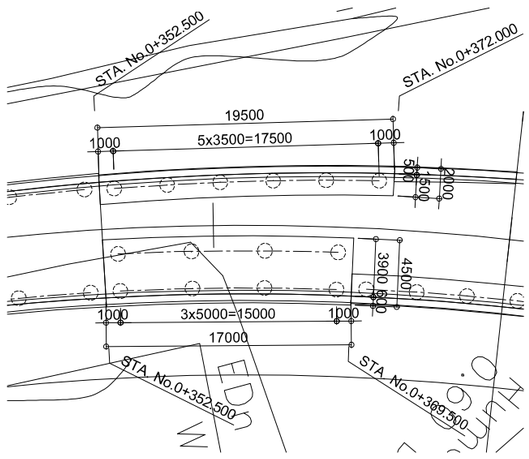
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					GENERAL VIEW OF RETAINING WALL INGURUKADE ON RAMP(2) STA.0+352.500 TO STA.0+372.000	APPROVED BY:	
		No	REVISION	DATE		DWG. NO.	R-09

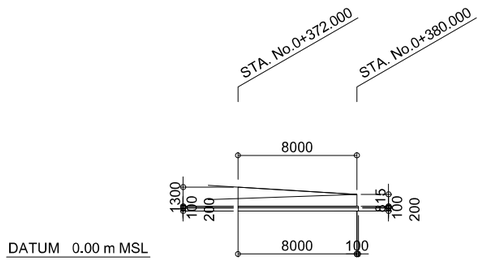
GENERAL VIEW OF RETAINING WALL INGURUKADE ON RAMP (3)

STA.0+369.500 TO STA.0+385.500

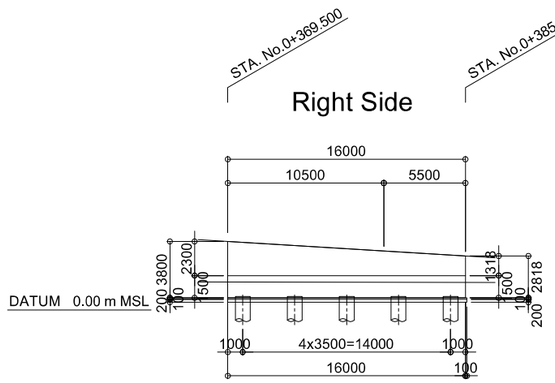
L Type Retaining wall & Gravity Retaining wall

PROFILE SCALE 1:400

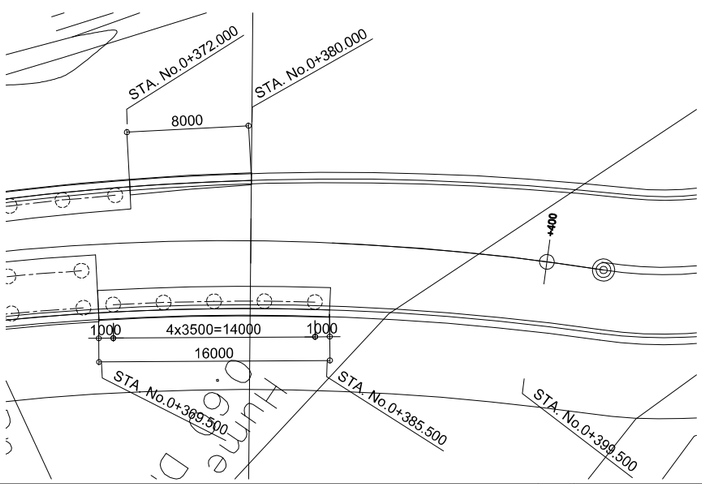
Left Side



Right Side

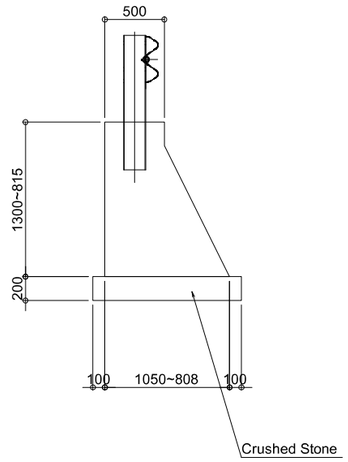


PLAN SCALE 1:400

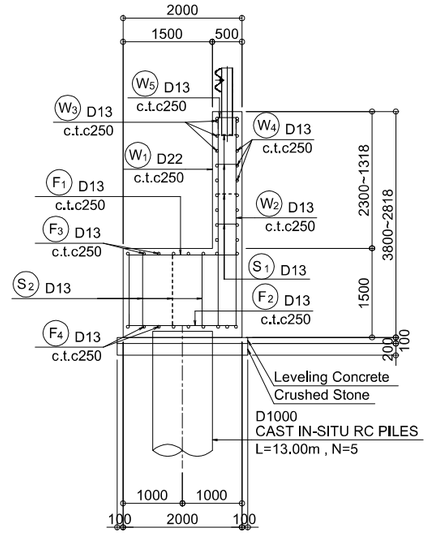


SECTION

Left Side SCALE 1:50



Right Side SCALE 1:100



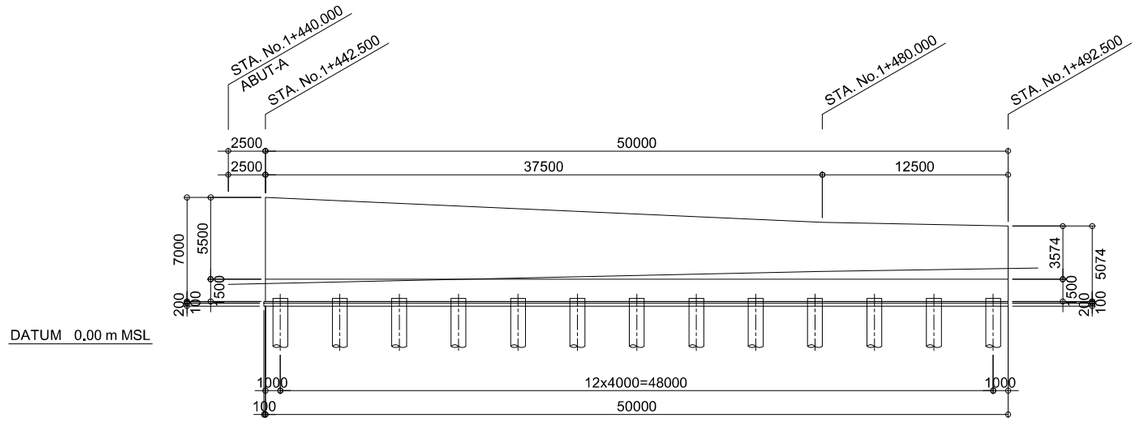
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL VIEW OF RETAINING WALL INGURUKADE ON RAMP(3) STA.0+369.500 TO STA.0+385.500	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. R-10

GENERAL VIEW OF RETAINING WALL MAIN LINE (1)

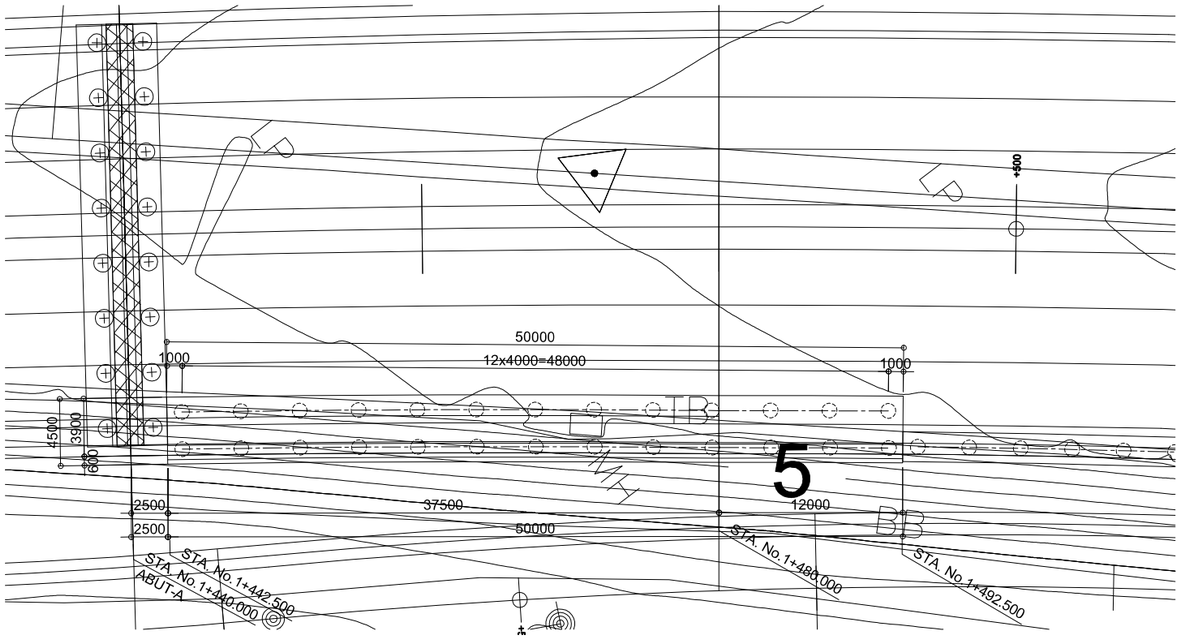
STA.1+440.000 TO STA.1+492.500

L Type Retaining wall

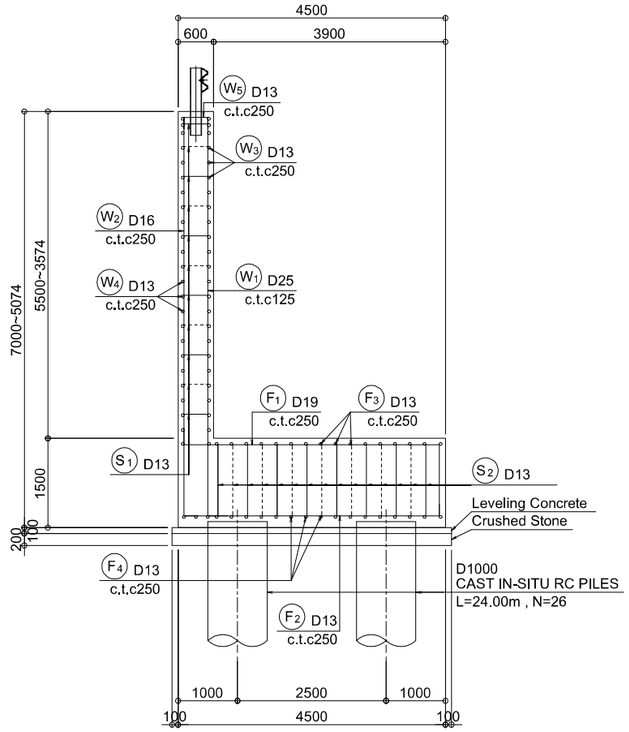
PROFILE SCALE 1:400



PLAN SCALE 1:400



SECTION SCALE 1:100



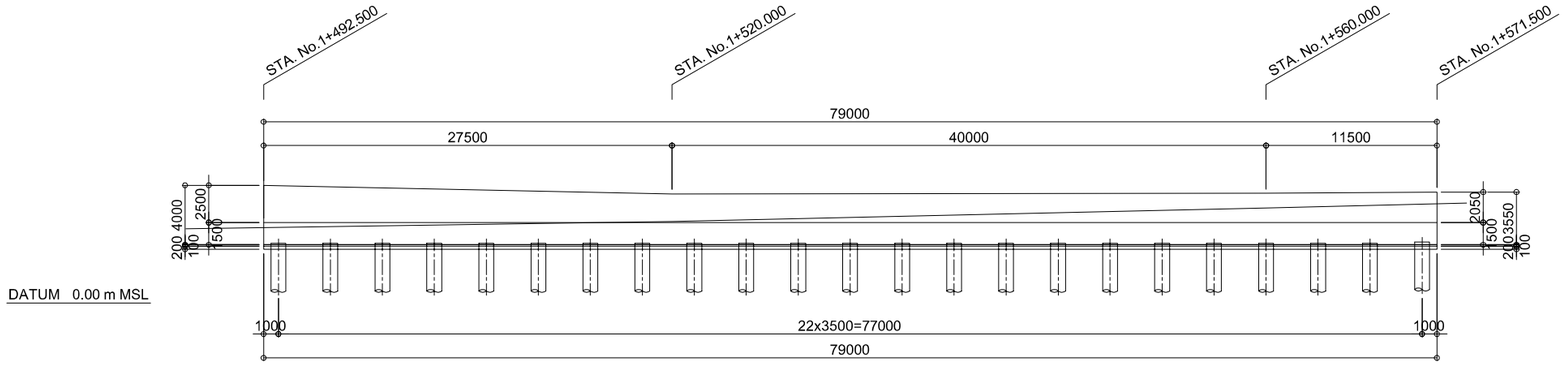
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
					CHECKED BY:
				GENERAL VIEW OF RETAINING WALL MAIN LINE (1) STA.1+440.000 TO STA.1+492.500	APPROVED BY:
		No	REVISION / DATE		DWG. NO. R-11

GENERAL VIEW OF RETAINING WALL MAIN LINE (2)

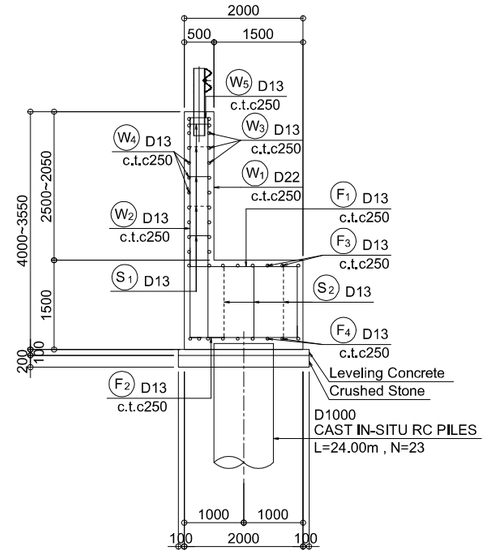
STA.1+492.500 TO STA.1+571.500

L Type Retaining wall

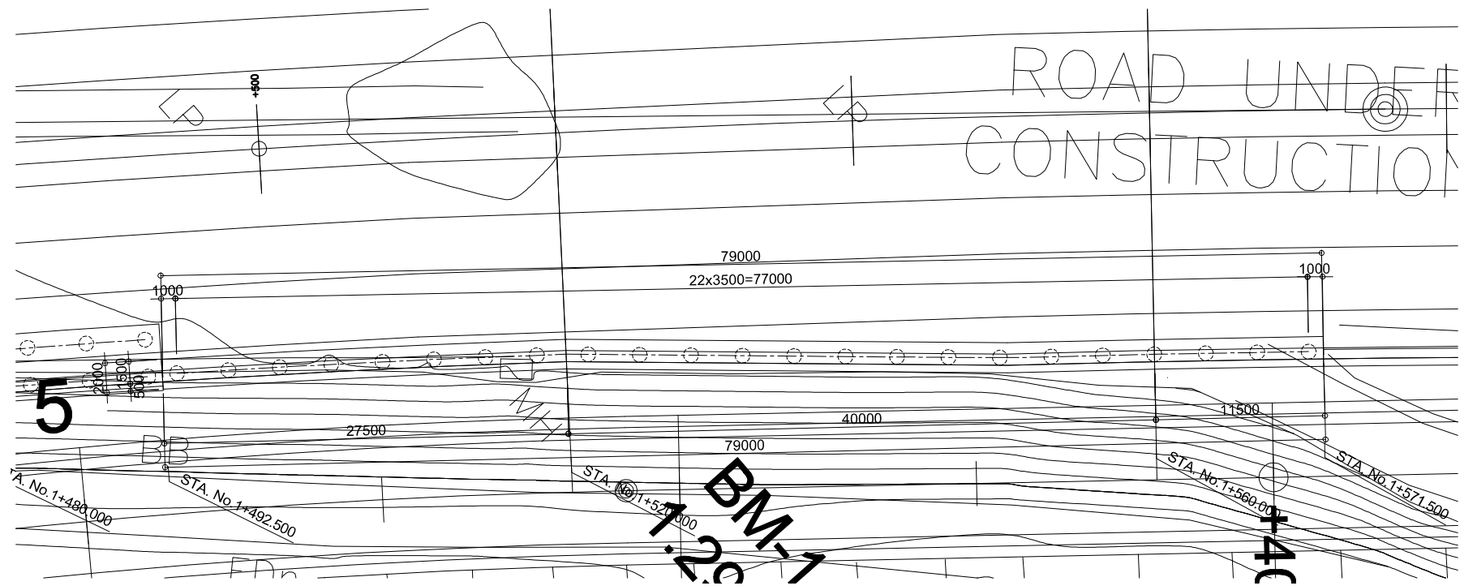
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



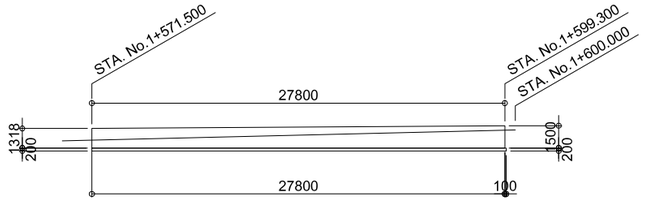
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL VIEW OF RETAINING WALL MAIN LINE (2) STA.1+492.500 TO STA.1+571.500	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	 R-12

GENERAL VIEW OF RETAINING WALL MAIN LINE (3)

STA.+571.500 TO STA.1+599.300

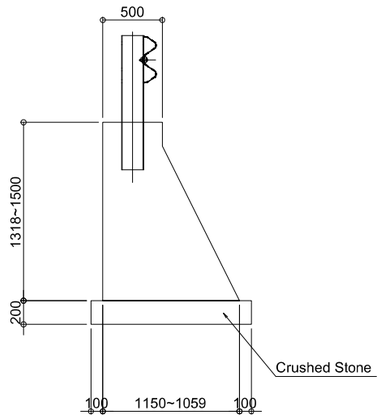
Gravity Retaining wall

PROFILE SCALE 1:400

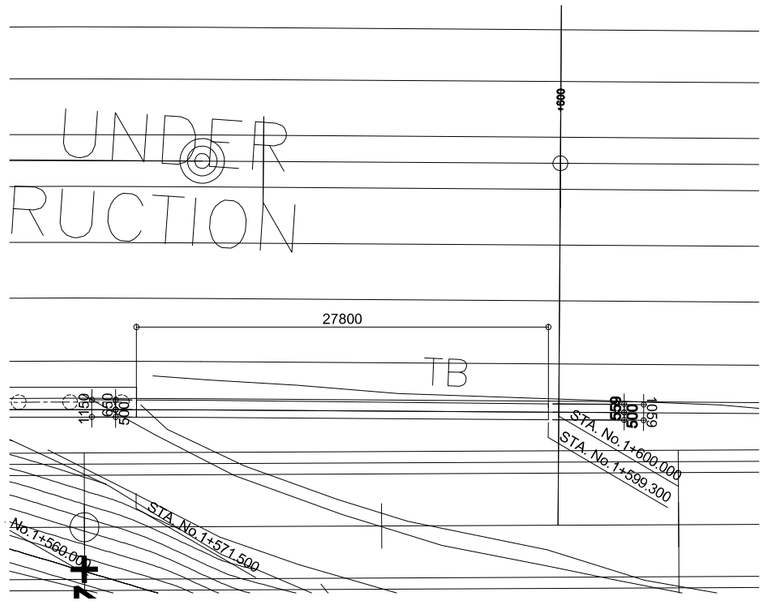


DATUM 0.00 m MSL

SECTION SCALE 1:50



PLAN SCALE 1:400



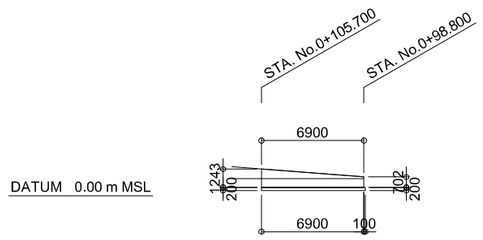
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL VIEW OF RETAINING WALL MAIN LINE (3) STA.+571.500 TO STA.1+599.300	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	R-13

GENERAL VIEW OF RETAINING WALL CKE A, C RAMP (1)

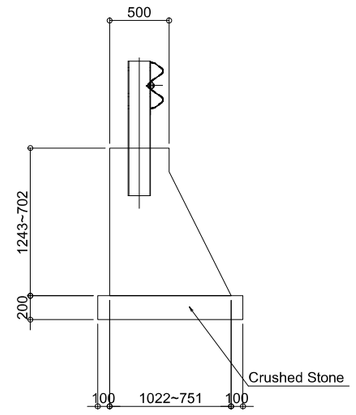
STA.0+107.700 TO STA.0+98.800

Gravity Retaining wall

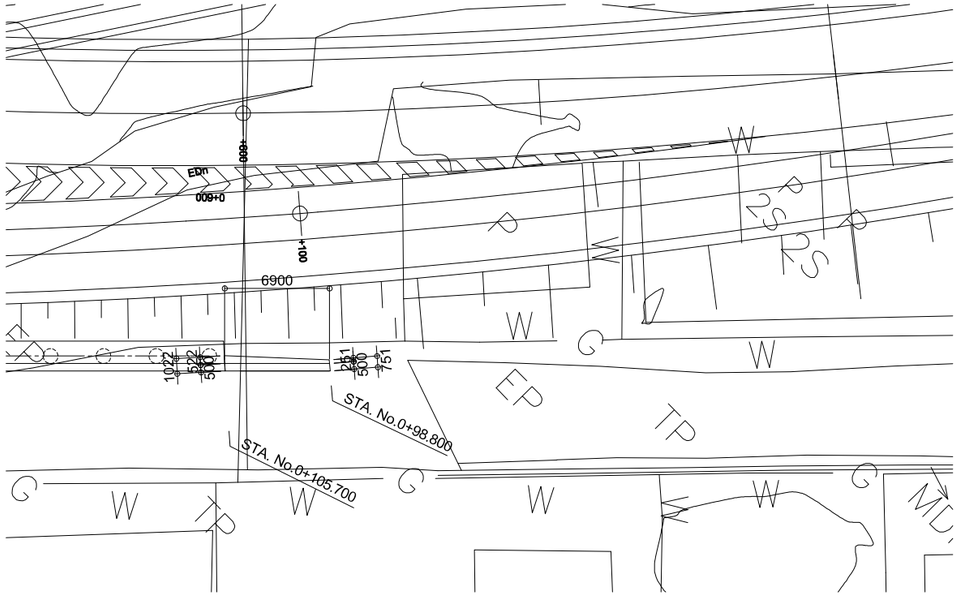
PROFILE SCALE 1:400



SECTION SCALE 1:50



PLAN SCALE 1:400



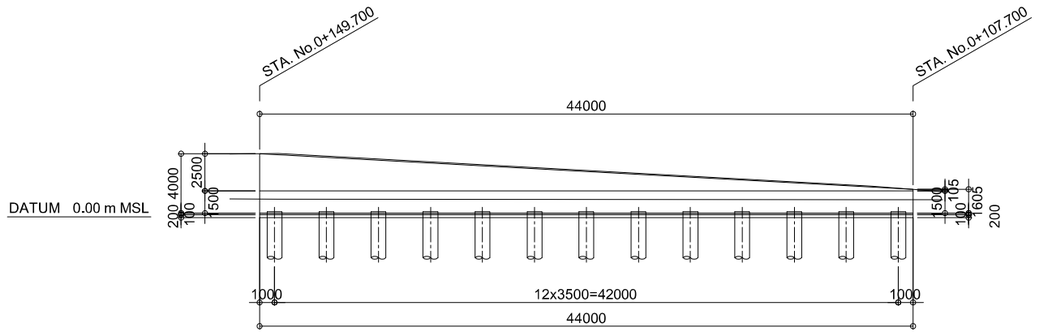
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					GENERAL VIEW OF RETAINING WALL CKE A, C RAMP(1) STA.0+107.700 TO STA.0+98.800	APPROVED BY:	
		No	REVISION	DATE		DWG. NO.	R-14

GENERAL VIEW OF RETAINING WALL CKE A, C RAMP(2)

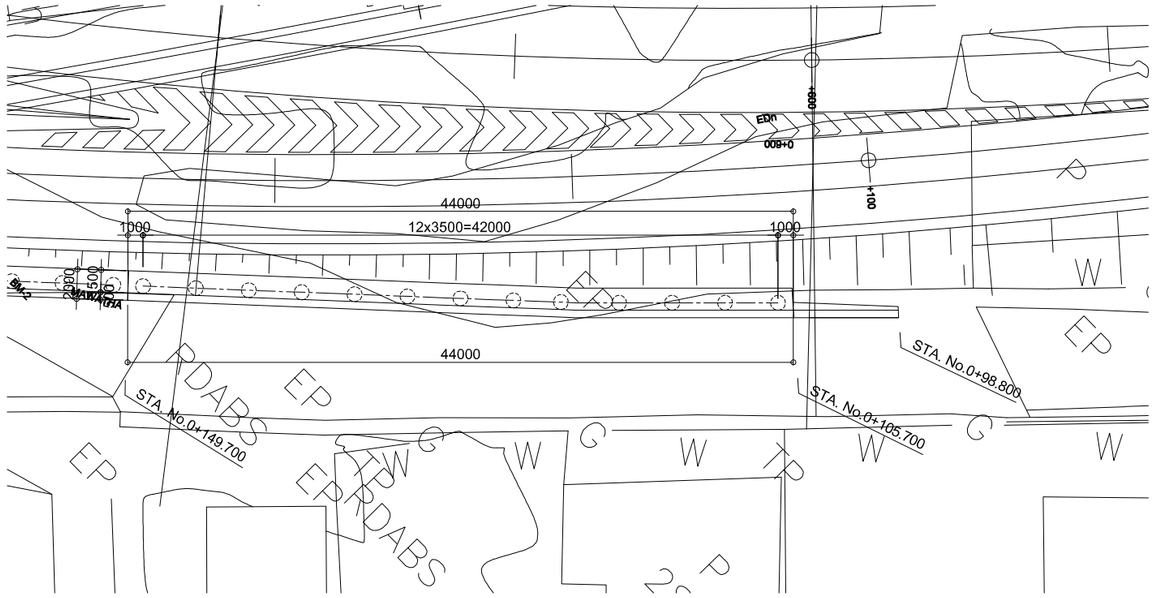
STA.0+149.700 TO STA.0+107.700

L Type Retaining wall

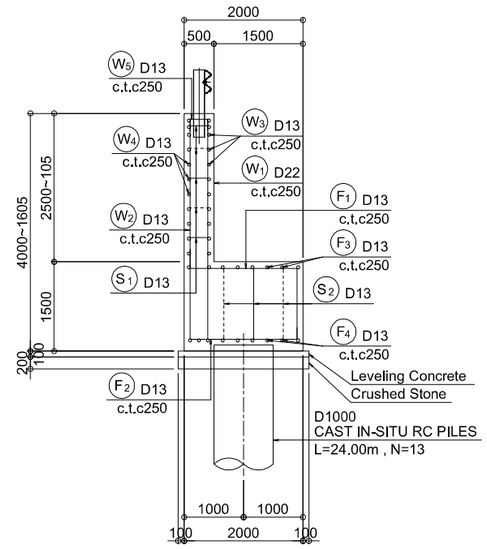
PROFILE SCALE 1:400



PLAN SCALE 1:400



SECTION SCALE 1:100



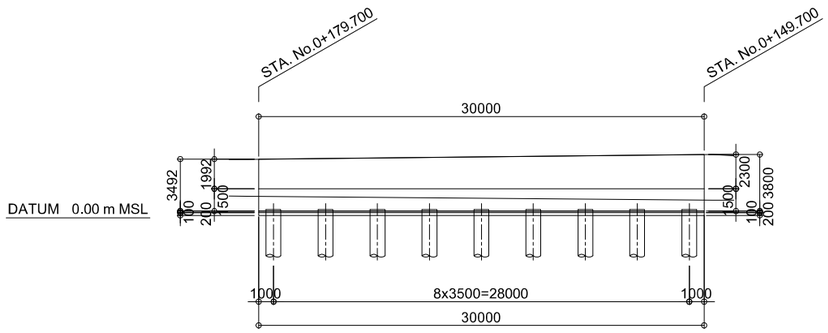
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					GENERAL VIEW OF RETAINING WALL CKE A, C RAMP(2) STA.0+149.700 TO STA.0+107.700	APPROVED BY:	
		No	REVISION	DATE		DWG. NO.	R-15

GENERAL VIEW OF RETAINING WALL CKE A, C RAMP (3)

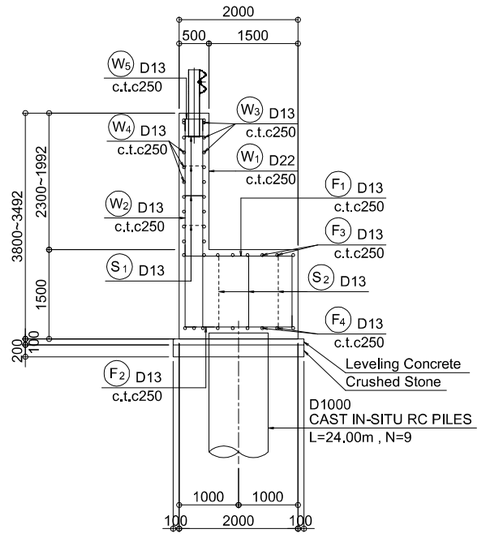
STA.0+179.700 TO STA.0+149.700

L Type Retaining wall

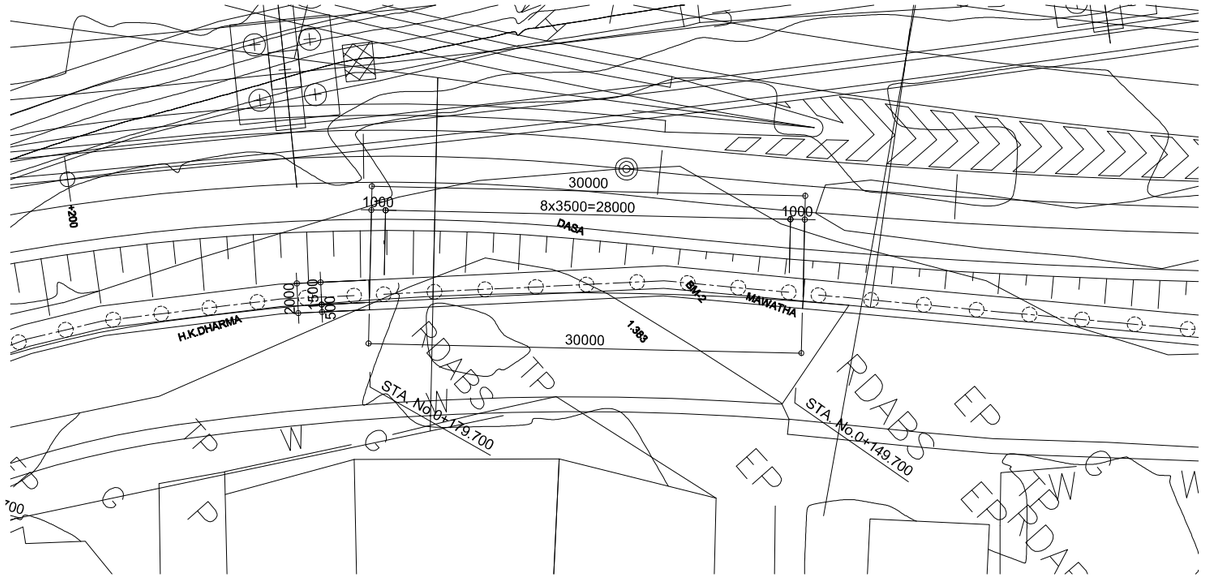
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



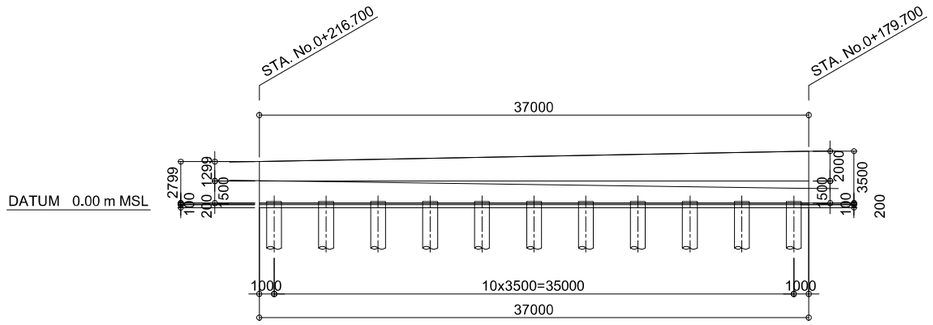
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
			CHECKED BY:
		GENERAL VIEW OF RETAINING WALL CKE A, C RAMP(3) STA.0+179.700 TO STA.0+149.700	APPROVED BY:
	No REVISION DATE		DWG. NO. R-16

GENERAL VIEW OF RETAINING WALL CKE A, C RAMP (4)

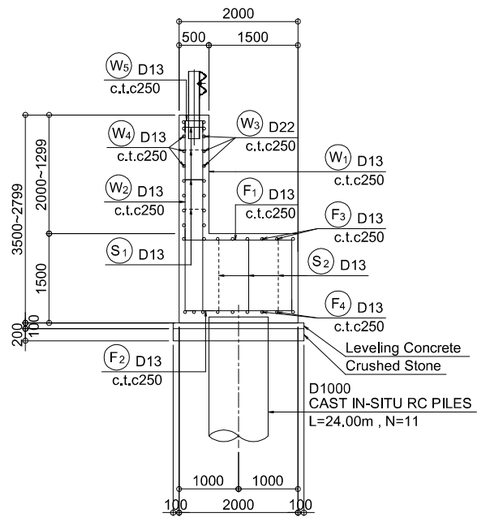
STA.0+217.700 TO STA.0+179.700

L Type Retaining wall

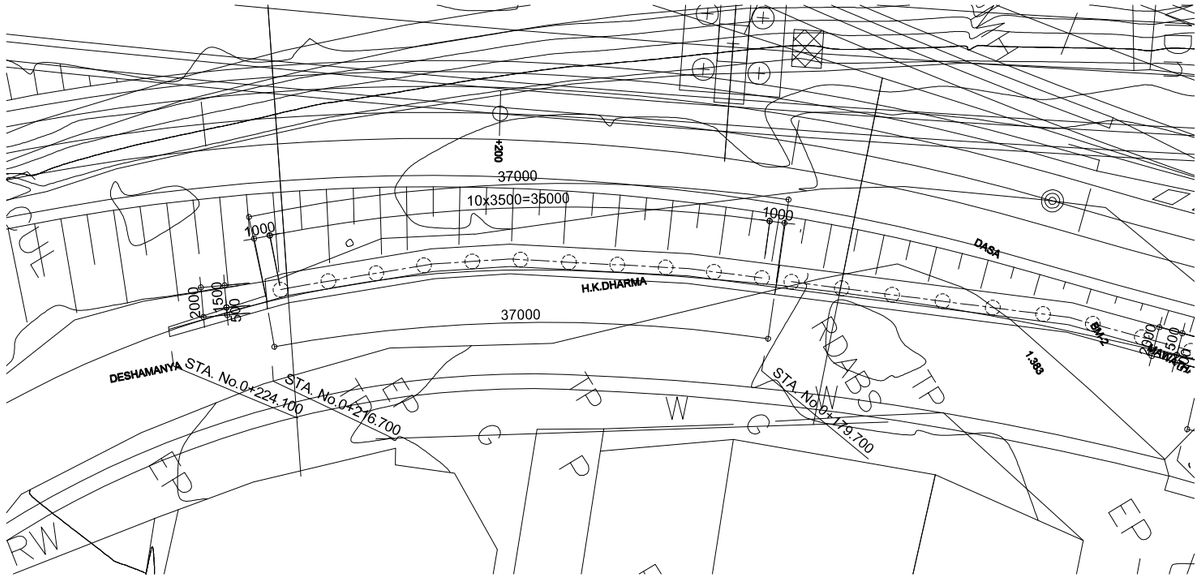
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



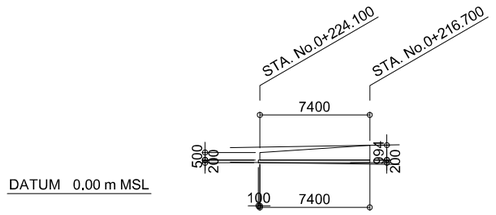
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
					CHECKED BY:
				GENERAL VIEW OF RETAINING WALL CKE A, C RAMP (4) STA.0+217.700 TO STA.0+179.700	APPROVED BY:
		No	REVISION / DATE		DWG. NO. R-17

GENERAL VIEW OF RETAINING WALL CKE A, C RAMP (5)

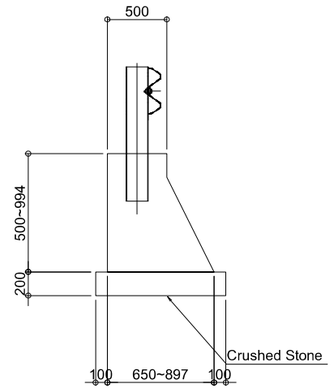
STA.0+224.100 TO STA.0+217.700

Gravity Retaining wall

PROFILE SCALE 1:400

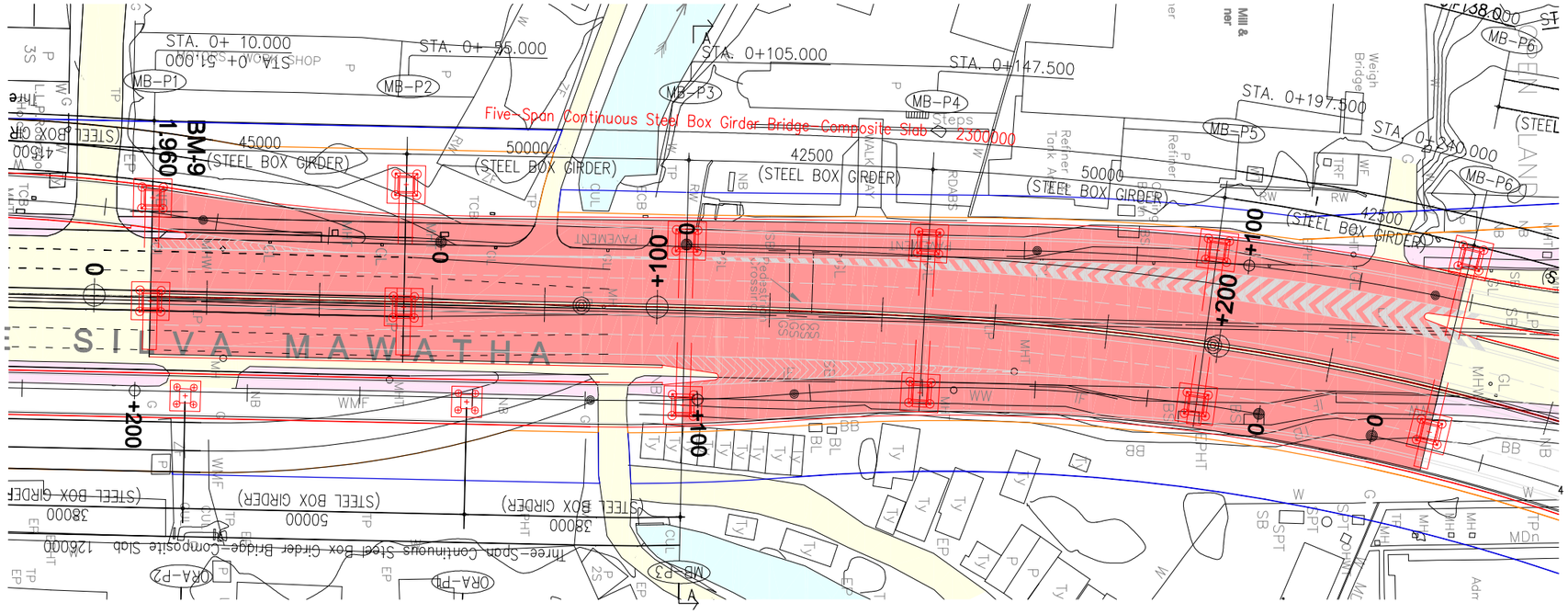


SECTION SCALE 1:50

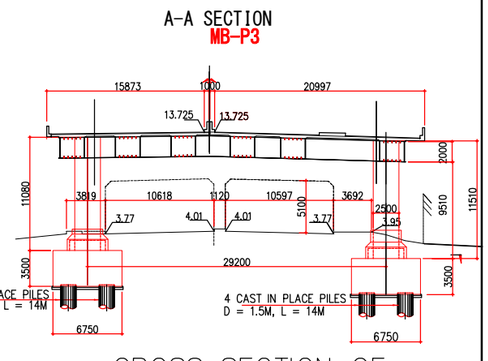


PLAN SCALE 1:400

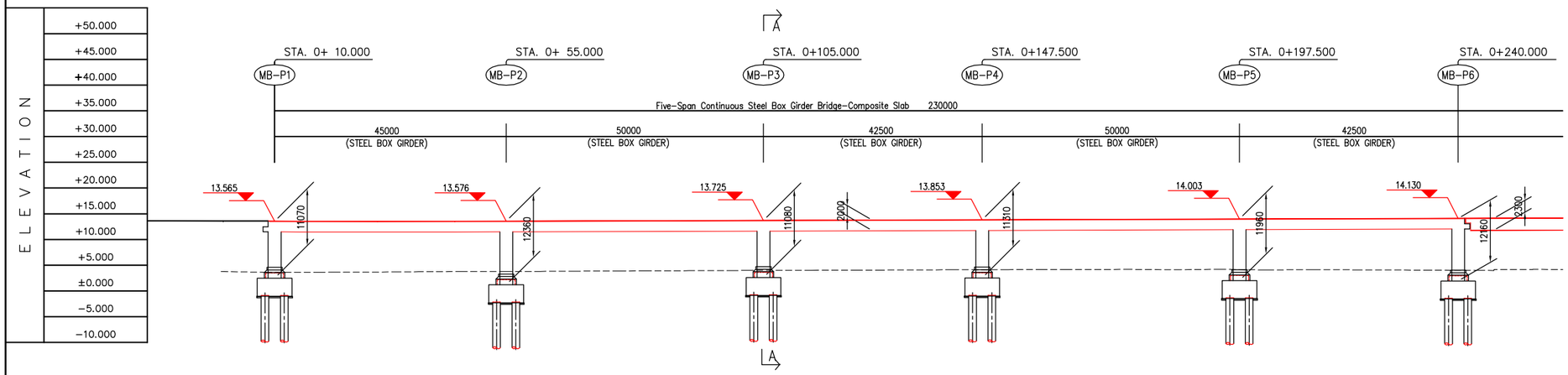
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					GENERAL VIEW OF RETAINING WALL CKE A, C RAMP (5) STA.0+224.100 TO STA.0+217.700	APPROVED BY:	
		No	REVISION	DATE		DWG. NO.	R-18



A GENERAL PLAN
SCALE 1:500



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:300



STATION	0+000					0+100					0+200			
FINISHED GRADE ELEVATION	13.590	13.550	13.550	13.590	13.650	13.710	13.770	13.830	13.890	13.950	14.010	14.070	14.130	14.190
EXISTING GROUND ELEVATION	3.79	3.66	3.76	3.83	3.92	4.00	4.06	4.13	4.20	4.18	4.14	4.12	4.03	4.20
VERTICALL ALIGNMENT	BVSC	CURVE − 2 VCL = 60			EVCE	g=+0.300%						g=+0.300%		

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

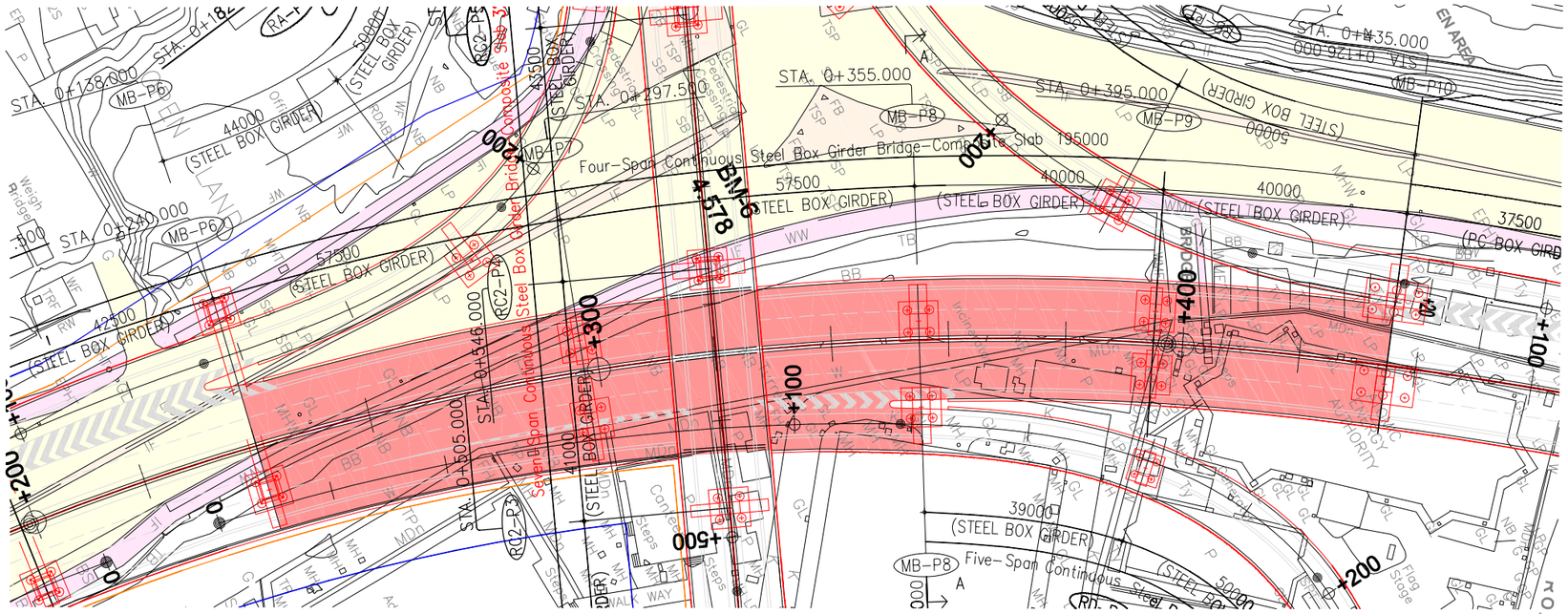
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

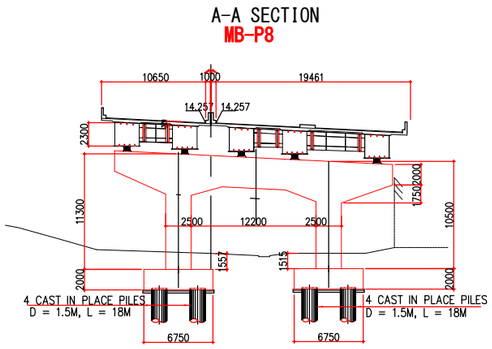
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
MAIN LINE STEEL BOX GIRDER
STA.0+10.000 TO STA.0+240.000

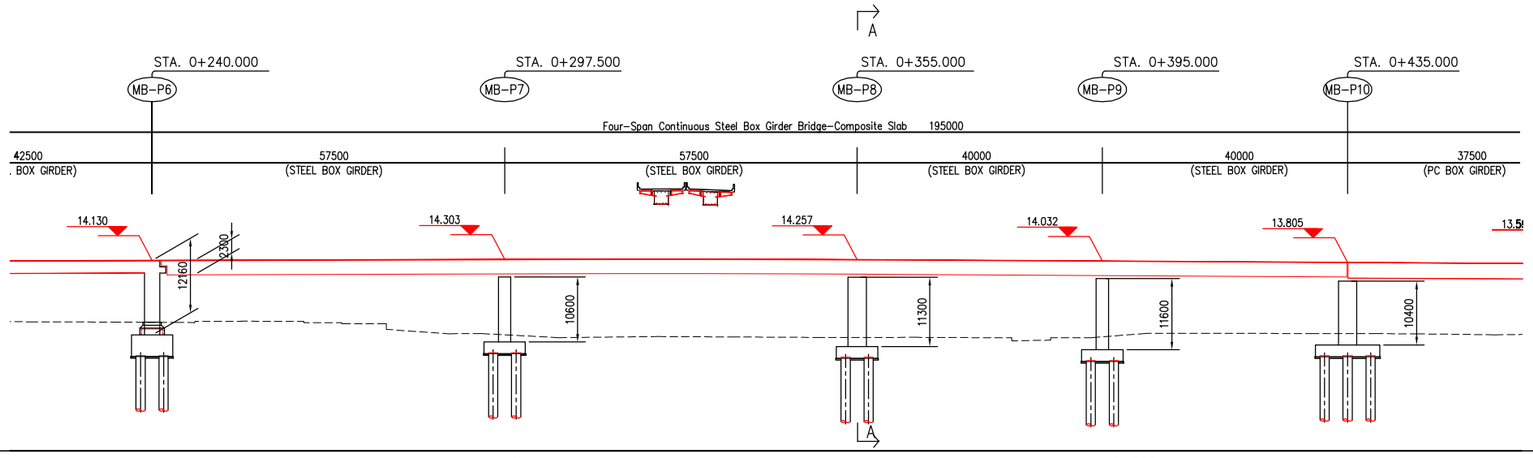
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-01



A GENERAL PLAN
SCALE 1:500



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:300



STATION					0+300					0+400			
FINISHED GRADE ELEVATION	14.070	14.130	14.190	14.250	14.310	14.341	14.314	14.230	14.117	14.003	13.890	13.777	13.663
EXISTING GROUND ELEVATION	4.12	4.03	4.20	2.77	1.87	1.69	1.62	1.59	1.51	2.06	2.23	2.19	2.02
VERTICALL ALIGNMENT	g=+0.300%				BVSC	CURVE − 3 VCL = 60		EVCE		g=−0.567%			

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

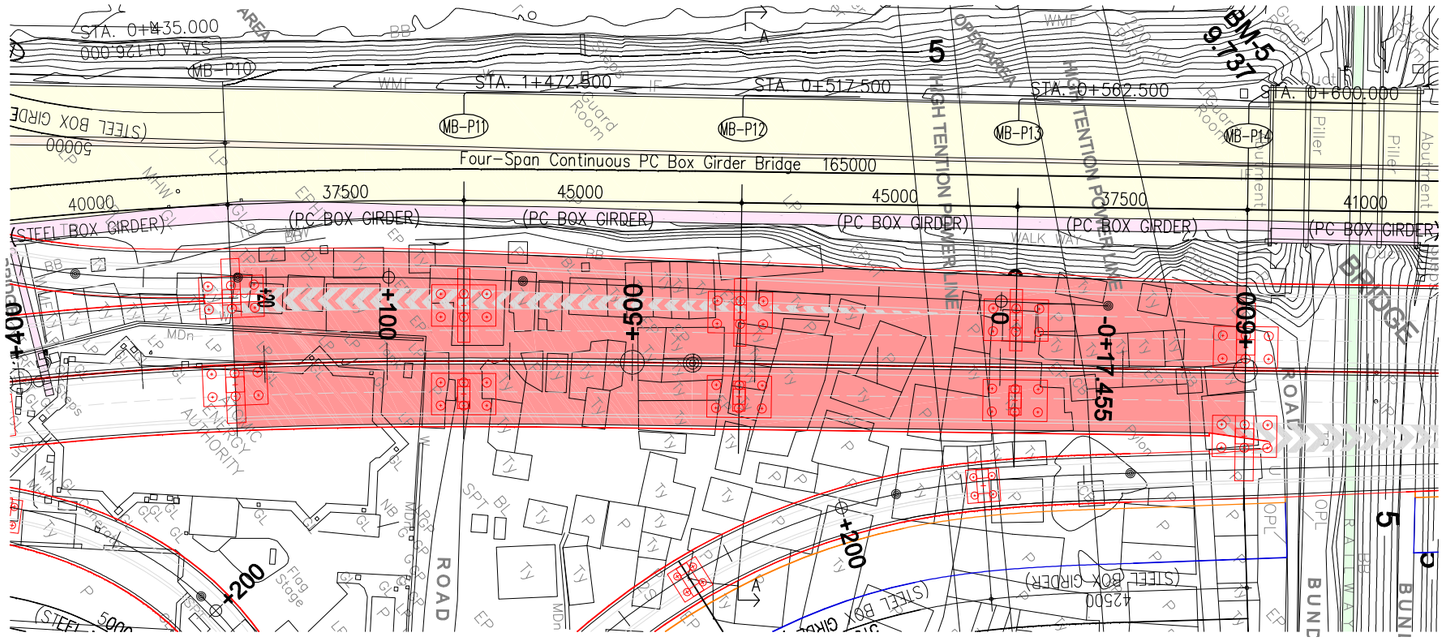
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

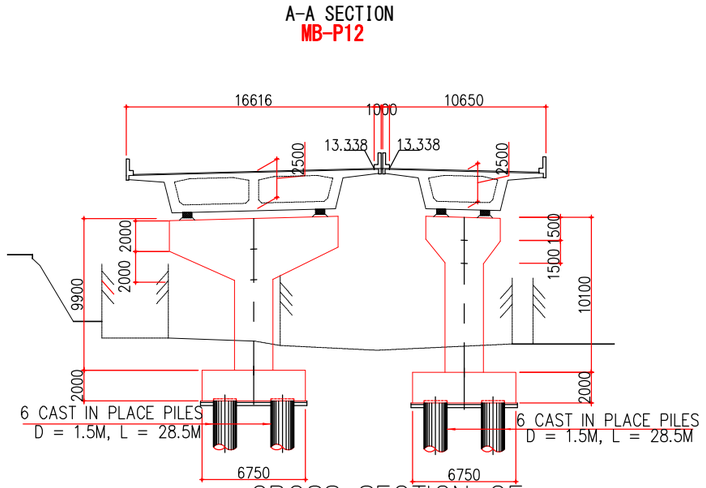
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
MAIN LINE STEEL BOX GIRDER
STA.0+240.000 TO STA.0+435.000

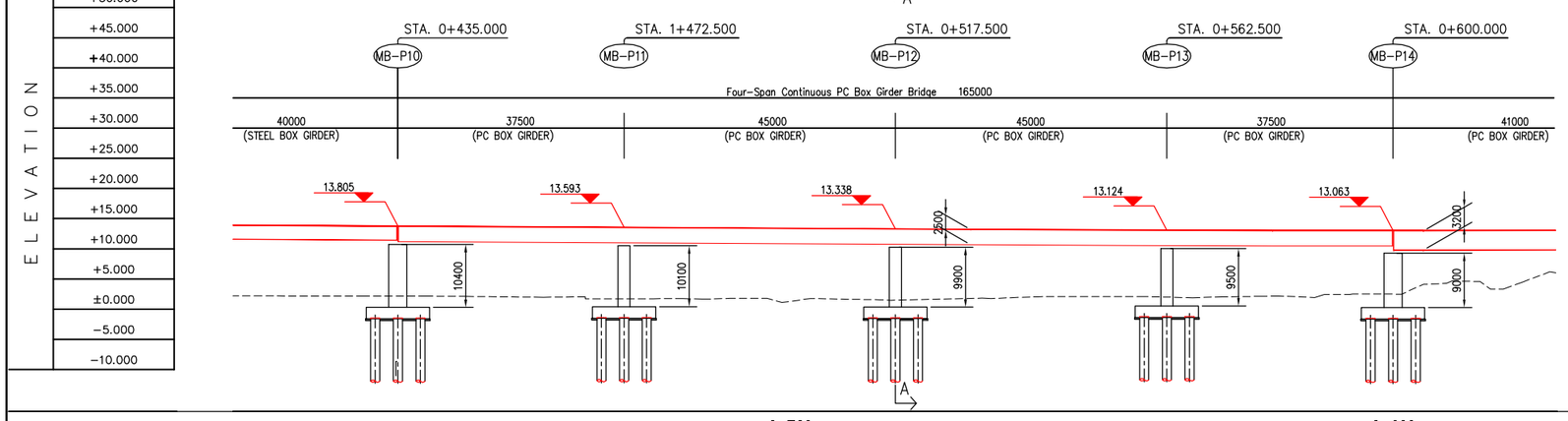
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-02



A GENERAL PLAN
SCALE 1:500



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:200



STATION	0+500									0+600
FINISHED GRADE ELEVATION	13.890	13.777	13.663	13.550	13.437	13.323	13.214	13.132	13.082	13.063	13.075
EXISTING GROUND ELEVATION	2.23	2.19	2.02	1.78	1.33	1.58	2.06	2.10	2.19	2.53	3.98
VERTICALL ALIGNMENT	g=−0.567%					BVSC				CURVE − 4 VCL = 200	

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

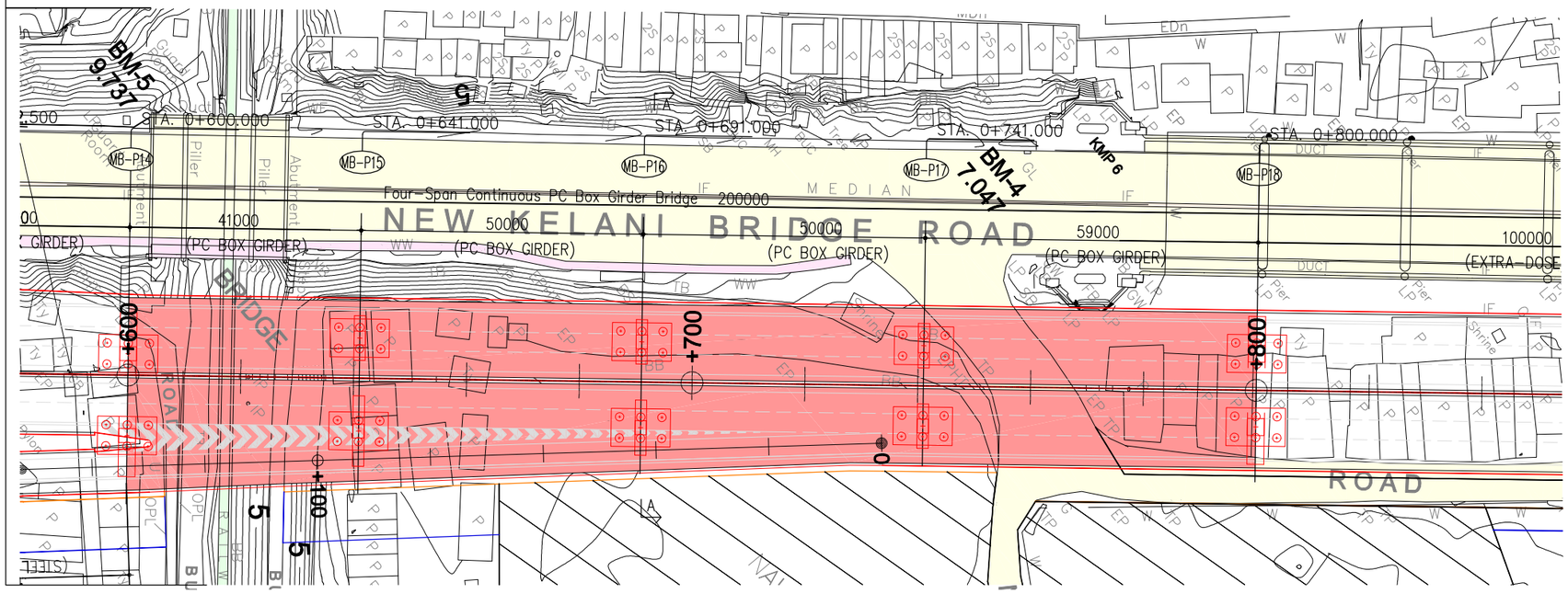
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

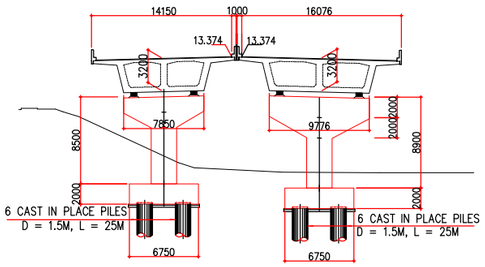
BRIDGE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
STA.0+435.000 TO STA.0+600.000

DESIGNED BY:
CHECKED BY:
APPROVED BY:
DWG. NO. B-03

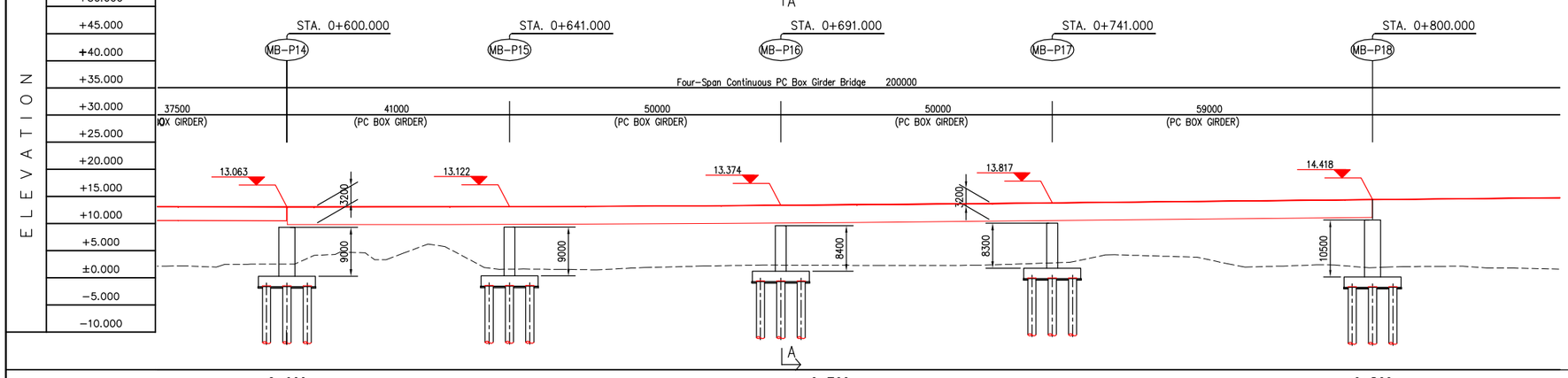


A GENERAL PLAN
SCALE 1:500

A-A SECTION
MB-P16



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:300



STATION	0+600					0+700					0+800	
FINISHED GRADE ELEVATION	13.082	13.063	13.075	13.119	13.194	13.301	13.440	13.609	13.807	14.008	14.209	14.410	14.611
EXISTING GROUND ELEVATION	2.19	2.53	3.98	1.58	1.62	2.23	2.31	2.29	2.72	4.03	2.08	1.87	1.89
VERTICALL ALIGNMENT	CURVE – 4 VCL = 200								EVCE	g=+1.006%			

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

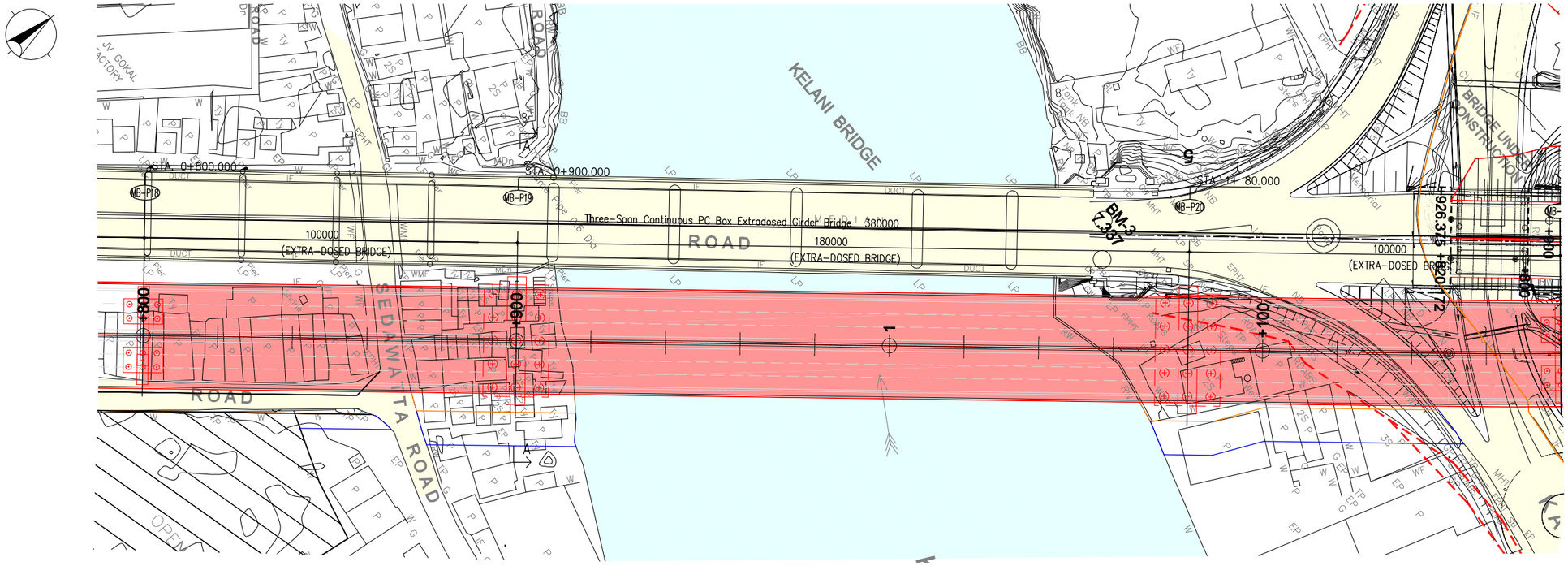
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

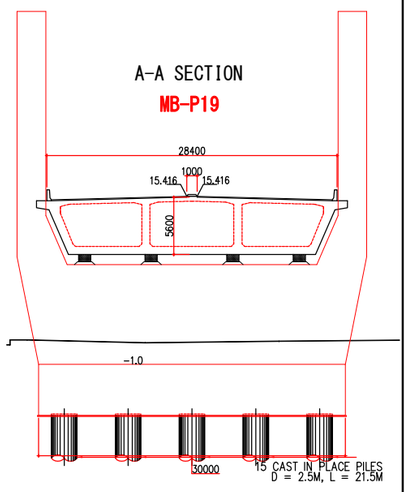
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
STA.0+600.000 TO STA.0+800.000

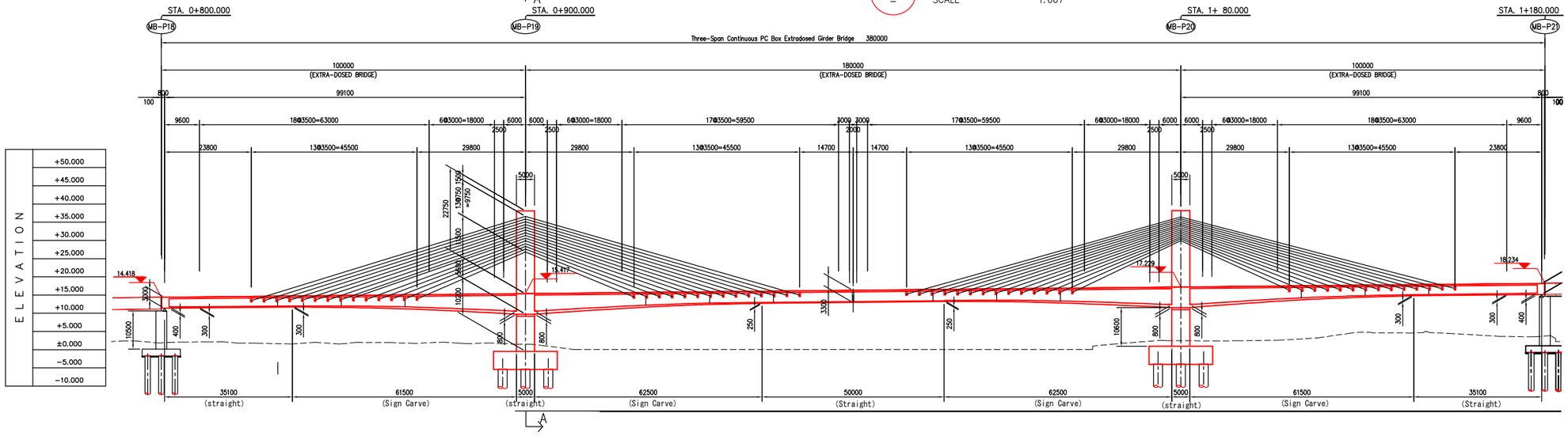
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-04



A GENERAL PLAN
– SCALE 1:667



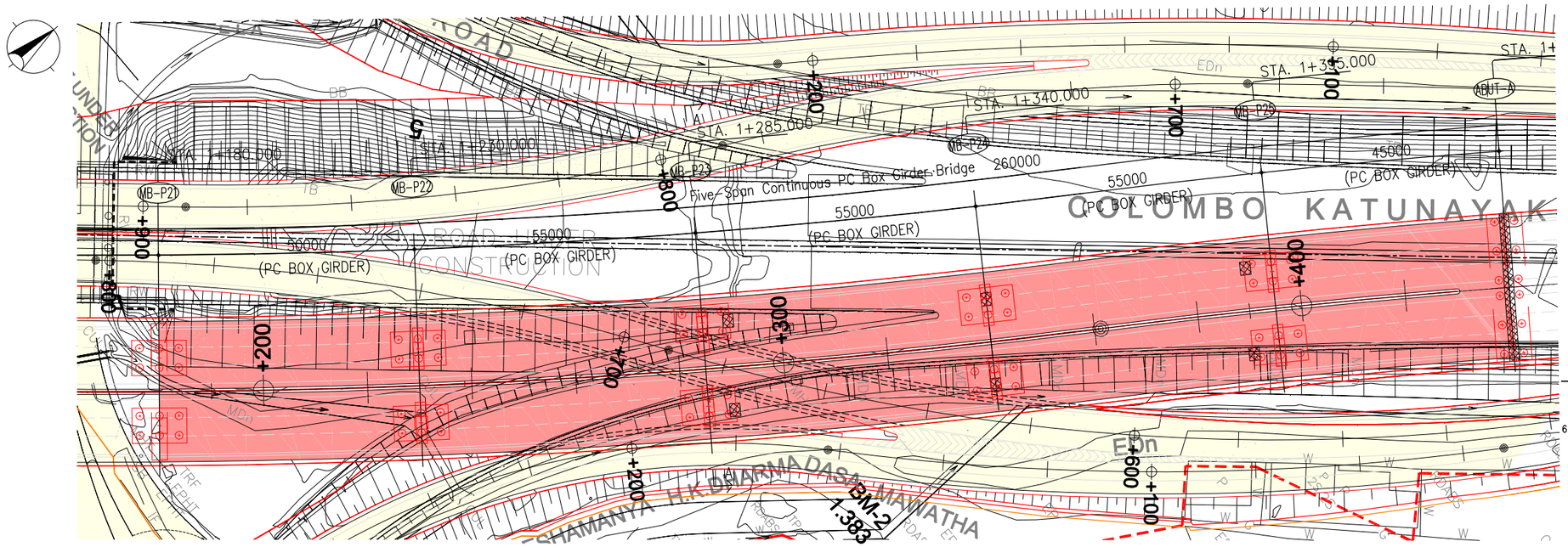
C
– CROSS SECTION OF SUBSTRUCTURE
SCALE 1:300



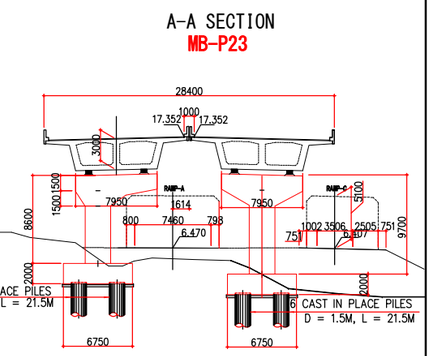
STATION	0+800					0+900					1+000					1+100				
FINISHED GRADE ELEVATION	14.410	14.611	14.813	15.014	15.215	15.416	15.617	15.819	16.020	16.221	16.422	16.623	16.825	17.026	17.227	17.428	17.629	17.831	18.032	18.233
EXISTING GROUND ELEVATION	1.87	1.89	1.86	1.95	1.88	1.48	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1.39	2.46	2.51	3.57	4.58	4.10	3.73
VERTICALL ALIGNMENT	g=+1.006%																			BVSC

B
– GENERAL ELEVATION
SCALE 1:667

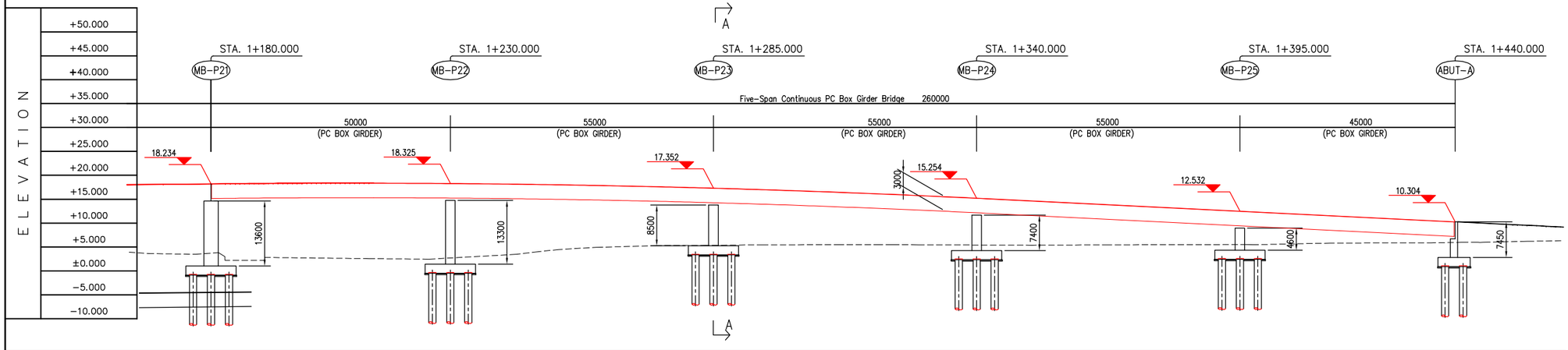
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE BRIDGE GENERAL DRAWING MAIN LINE EXTRA-DOSED BRIDGE STA.0+800.000 TO STA.1+180.000	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-05



A GENERAL PLAN
– SCALE 1:500



C CROSS SECTION OF SUBSTRUCTURE
– SCALE 1:300



STATION	1+200					1+300					1+400				
FINISHED GRADE ELEVATION	18.233	18.380	18.381	18.232	17.934	17.487	16.892	16.147	15.254	14.265	13.275	12.284	11.294	10.304	9.332
EXISTING GROUND ELEVATION	3.73	2.75	2.53	3.29	4.93	5.34	5.48	5.51	5.44	5.44	5.50	5.55	5.86	5.98	6.30
VERTICALL ALIGNMENT	BVSC					CURVE – 5 VCL = 160				EVCE	g=−4.952%				BVSC

B GENERAL ELEVATION
– SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

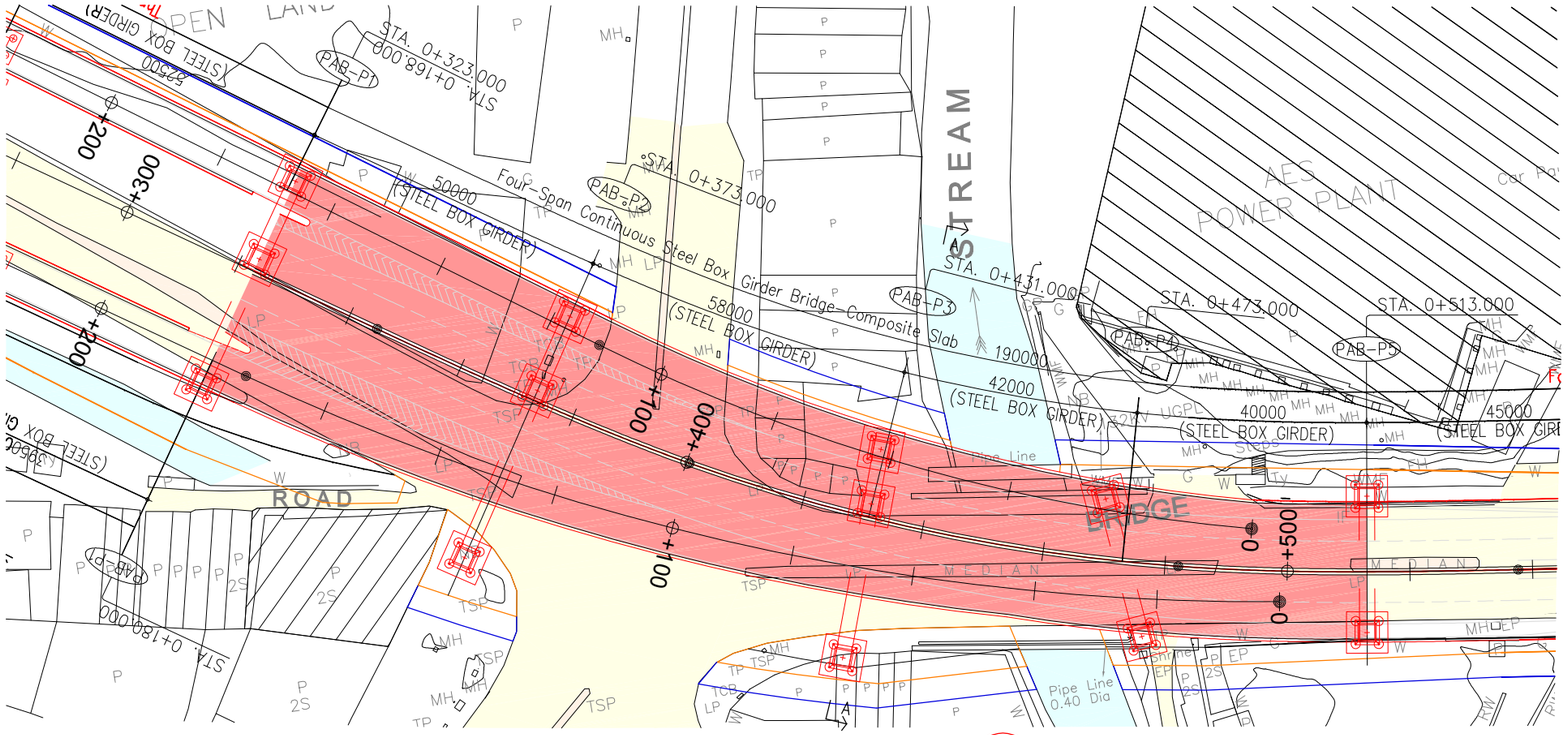
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

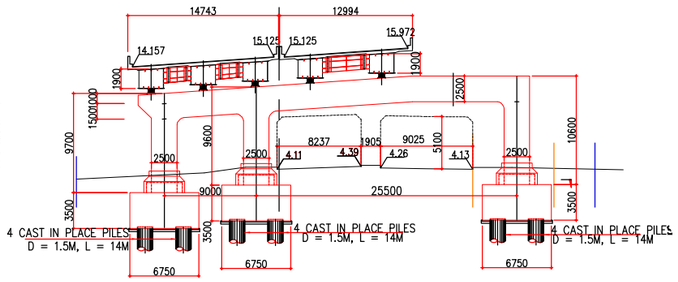
BRIDGE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
STA.1+180.000 TO STA.1+440.000

DESIGNED BY:
CHECKED BY:
APPROVED BY:
DWG. NO. B-06

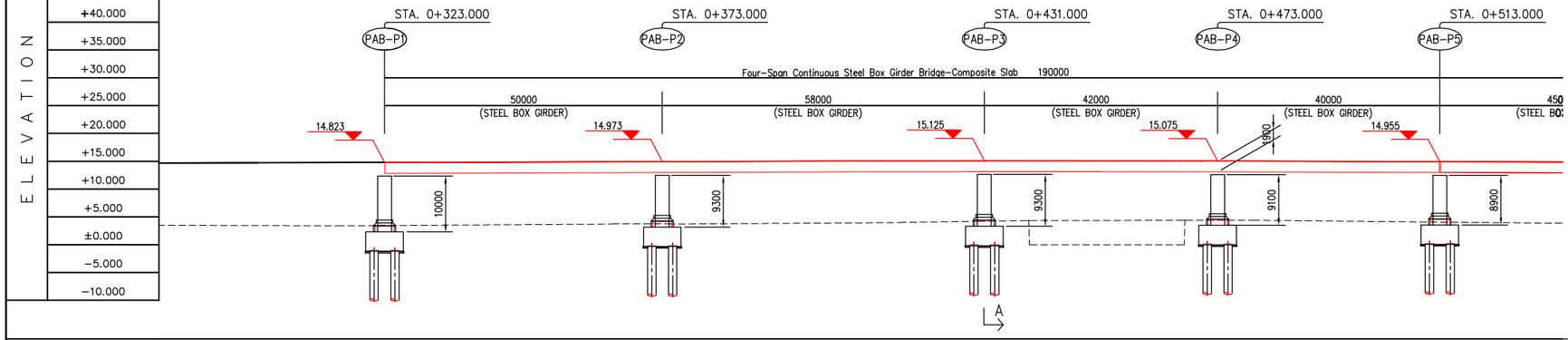


A GENERAL PLAN
SCALE 1:500

A-ASECTION
PAB-P3



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:300



STATION	0+300					0+400					0+500	
FINISHED GRADE ELEVATION	14.754	14.814	14.874	14.934	14.994	15.054	15.109	15.129	15.109	15.054	14.994	14.934
EXISTING GROUND ELEVATION	3.48	3.46	3.58	3.71	3.77	3.90	4.07	0.00	0.00	4.41	4.33	4.09
VERTICALL ALIGNMENT	g=+0.300% L=200.000					BVSC	CURVE # 1 VCL = 60			EVCE		

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

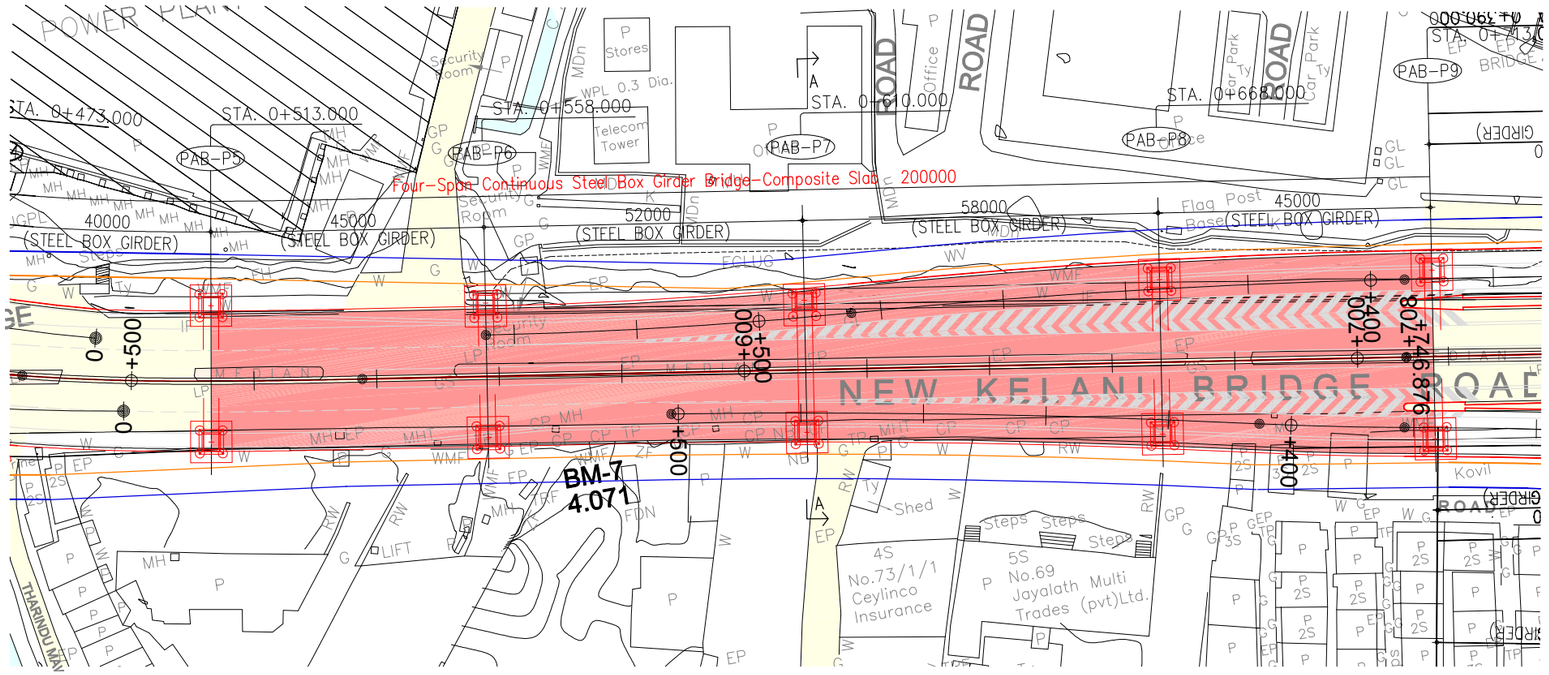
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

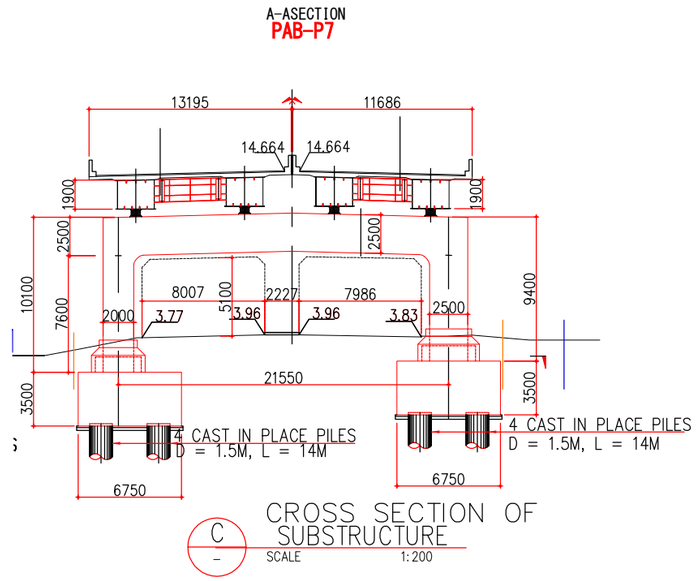
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
PORT ACCESS LINE STEEL BOX GIRDER
STA.0+323.000 TO STA.0+513.000

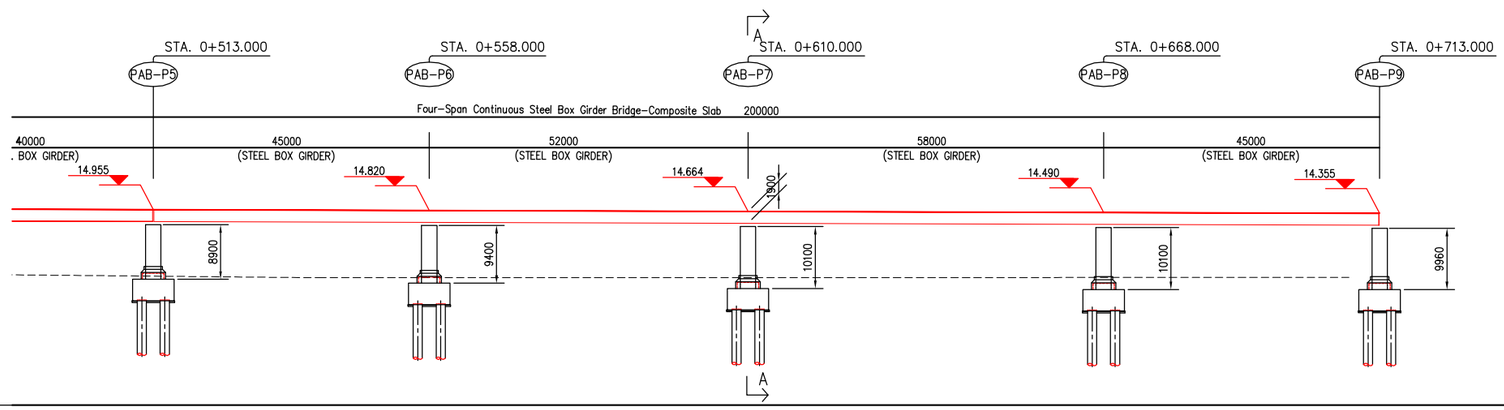
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-07



A GENERAL PLAN
SCALE 1:500



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:200



STATION	0+500					0+600					0+608	
FINISHED GRADE ELEVATION	14.994	14.934	14.874	14.814	14.754	14.694	14.634	14.574	14.514	14.454	14.394	14.370
EXISTING GROUND ELEVATION	4.33	4.09	3.84	3.85	3.85	3.86	3.86	3.87	3.88	3.88	3.89	3.89
VERTICALL ALIGNMENT	g=−0.300% L=238.000											

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

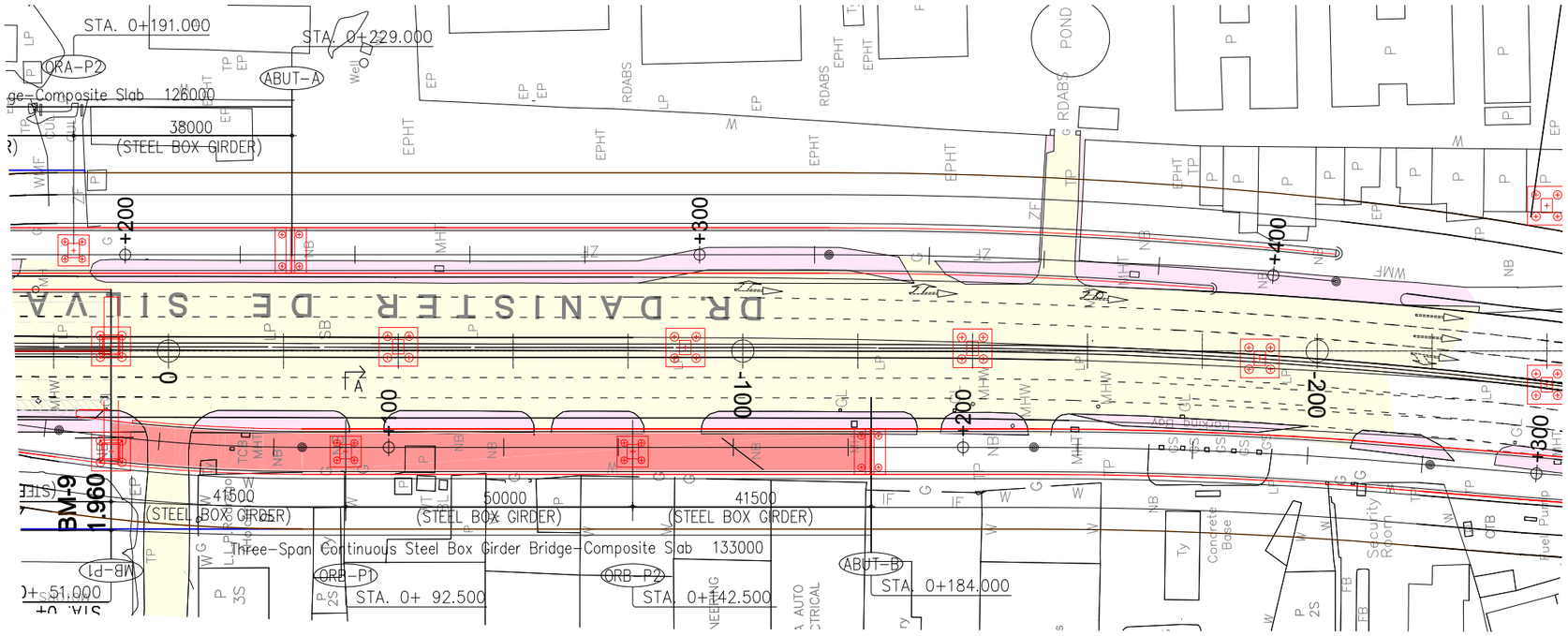
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

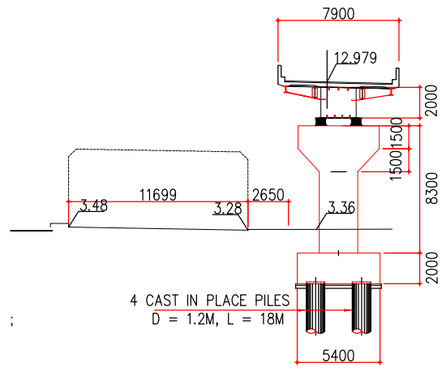
BRIDGE GENERAL DRAWING
PORT ACCESS LINE STEEL BOX GIRDER
STA.0+513.000 TO STA.0+713.000

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-08

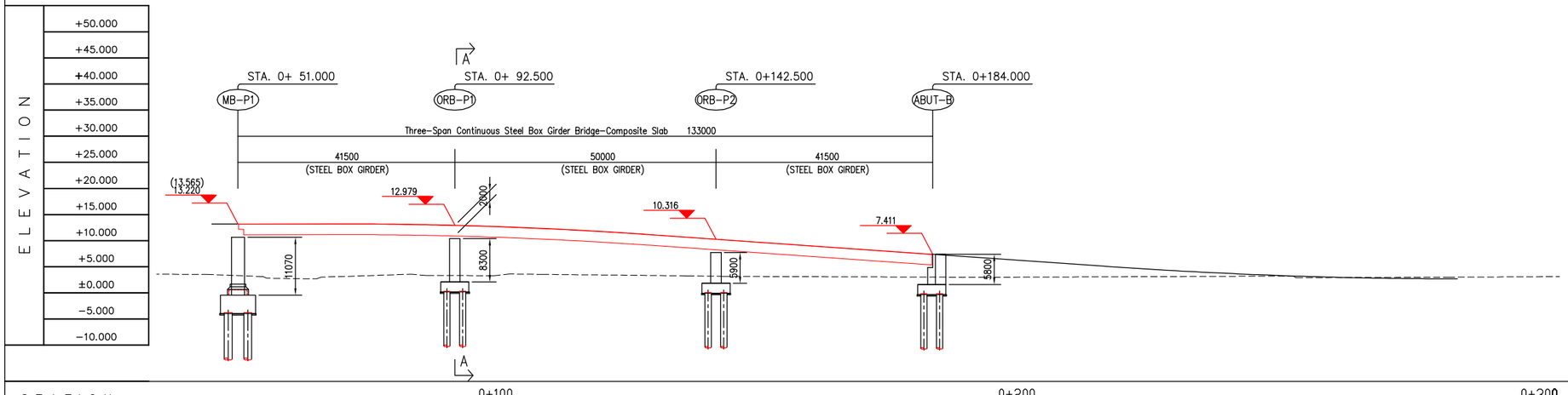


A GENERAL PLAN
SCALE 1:500

A-A SECTION
ORB-P1



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:200



STATION		0+100								0+200						0+300
FINISHED GRADE ELEVATION		13.213	13.233	13.203	12.755	11.831	10.491	9.091	7.691	6.291	4.897	3.769	3.041	2.713	2.695	
EXISTING GROUND ELEVATION	3.58	3.53	2.78	3.45	3.30	3.45	3.24	3.12	3.05	3.02	3.11	3.19	2.94	3.01	3.02	3.11
VERTICAL ALIGNMENT	g=+0.144% L=24.000 BVSC		CURVE # 1 VCL = 60		EVCE		g=−7.000% L=86.400		BVSC	CURVE # 2 VCL = 68.000			EVCE	g=		

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

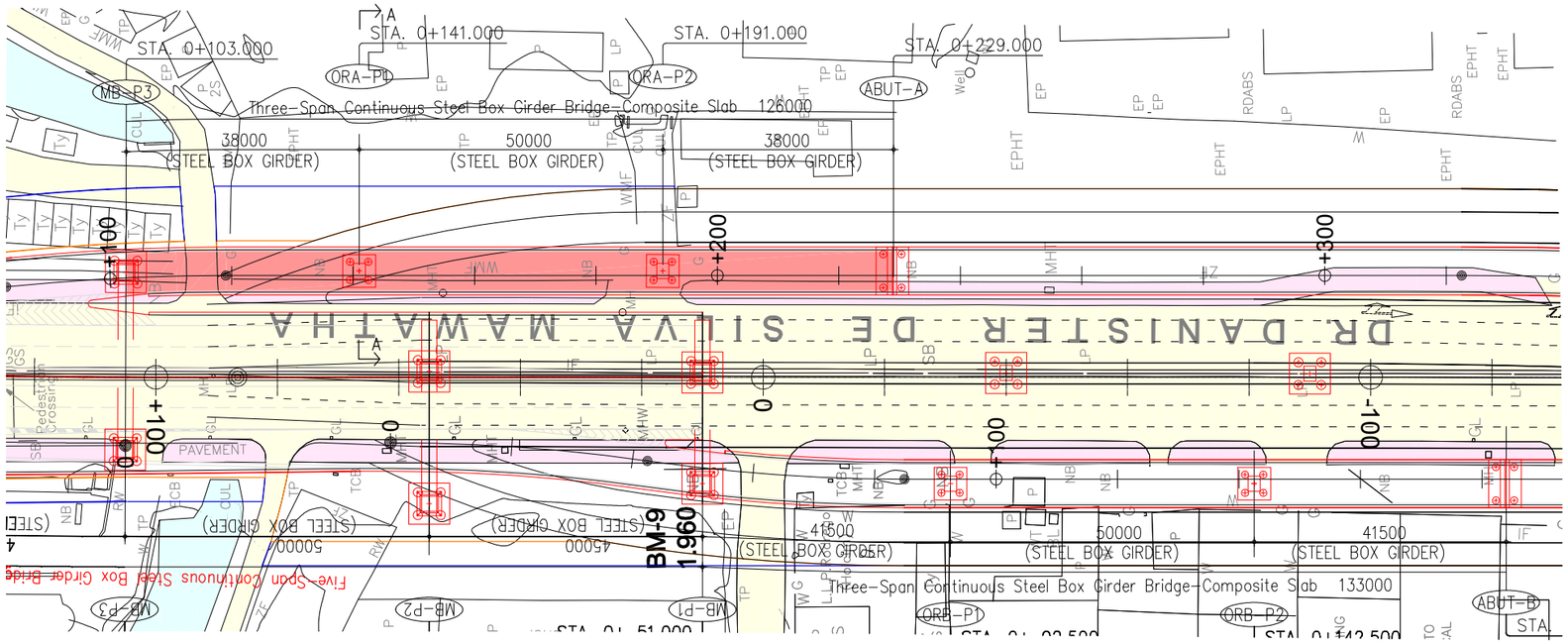
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

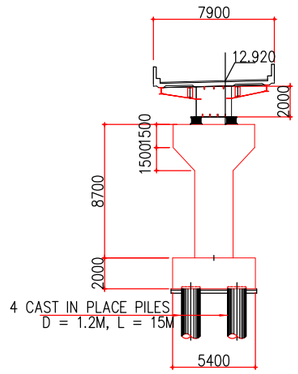
BRIDGE GENERAL DRAWING
ORUGODAWATTA ON RAMP STEEL BOX GIRDER
STA.0+51.000 TO STA.0+184.000

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-09

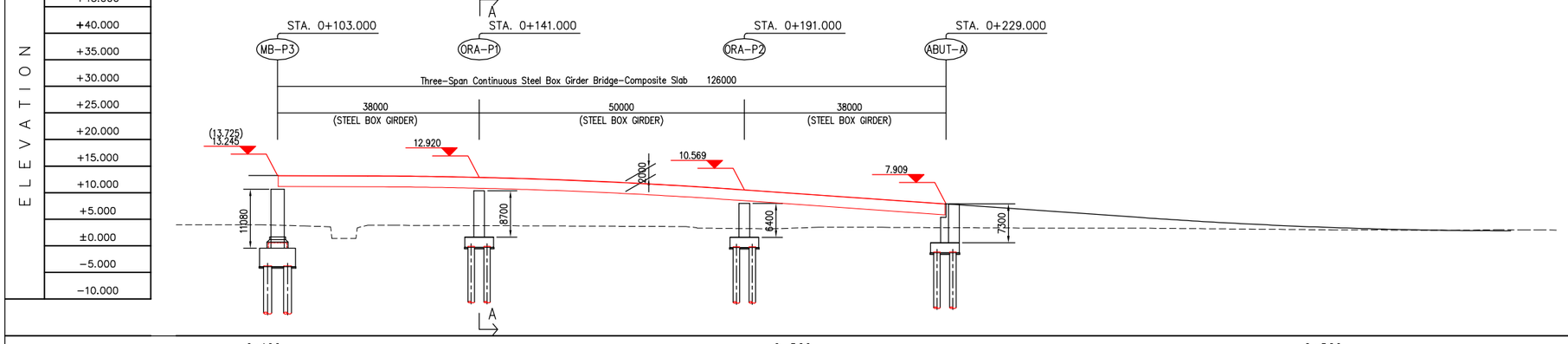


A GENERAL PLAN
SCALE 1:500

A-A SECTION
ORA-P1



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:200



STATION	0+100					0+200					0+300				
FINISHED GRADE ELEVATION	13.261	13.254	13.194	12.942	12.308	11.291	9.939	8.539	7.139	5.739	4.441	3.518	2.985	2.840	
EXISTING GROUND ELEVATION	3.96	3.96	3.91	3.82	3.73	3.64	3.34	3.48	3.38	3.35	3.21	3.04	2.95	3.00	3.00
VERTICAL ALIGNMENT	g=−0.300% L=22.446	BVSC	CURVE # 1 VCL = 70			EVCE	g=−7.000% L=75.500	BVSC	CURVE # 2 VCL = 70			EVCE	g		

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

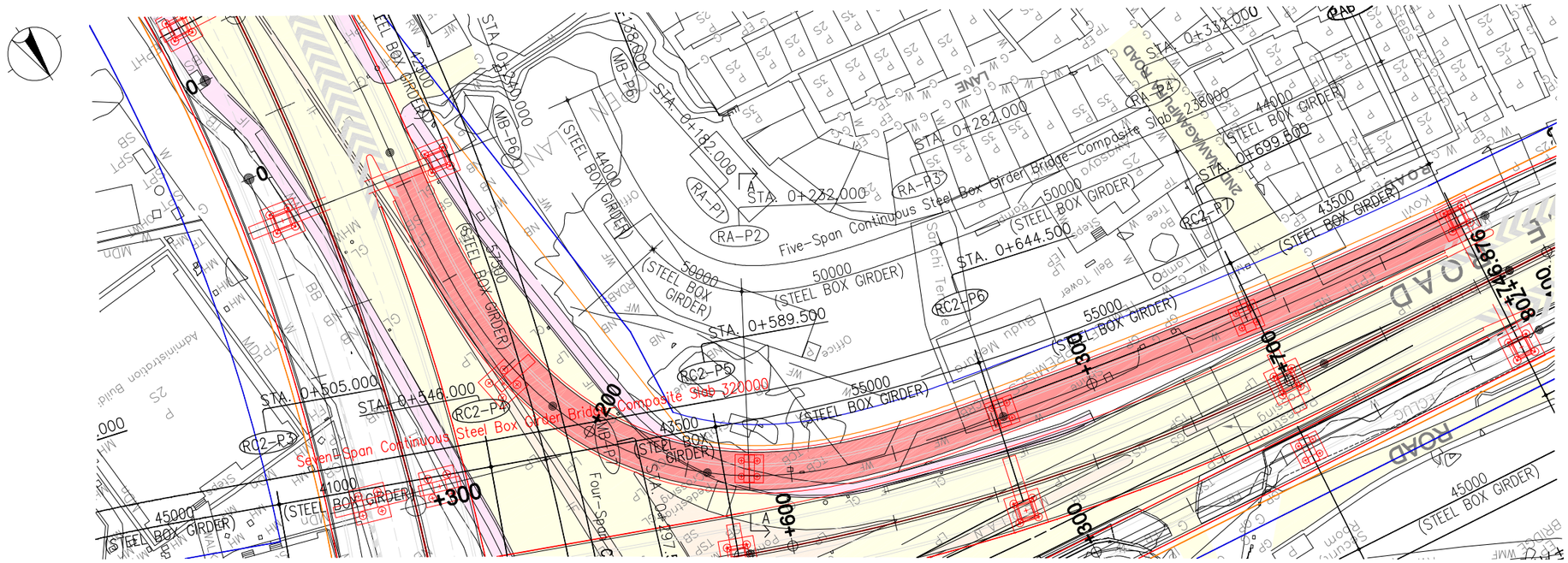
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

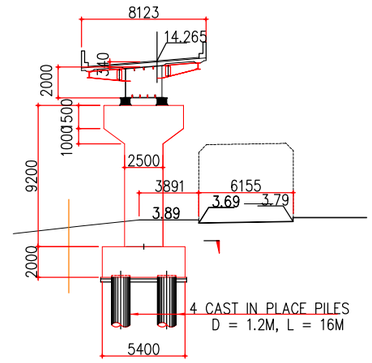
BRIDGE GENERAL DRAWING
ORUGODAWATTA OFF RAMP STEEL BOX GIRDER
STA.0+103.000 TO STA.0+229.000

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-10

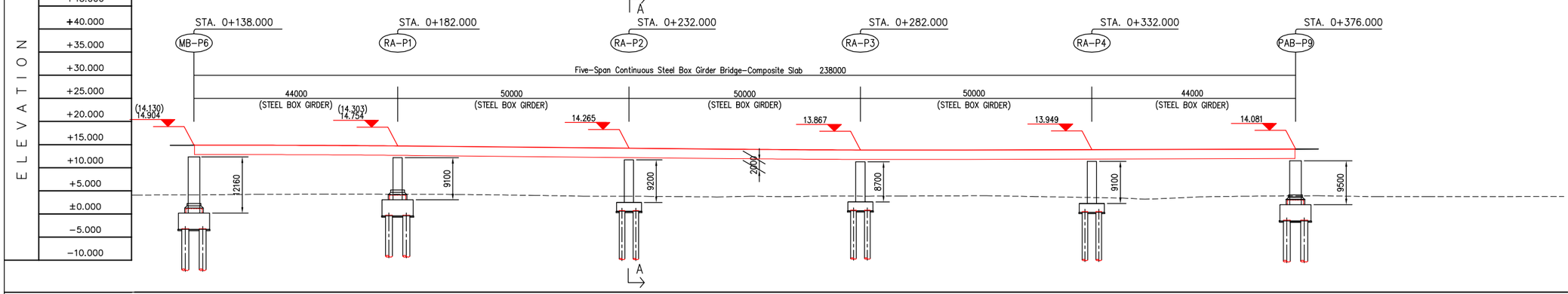


A GENERAL PLAN
– SCALE 1:500

A-A SECTION
RA-P2



C CROSS SECTION OF SUBSTRUCTURE
– SCALE 1:200



STATION	32.876		0+200					0+300							0+400		
FINISHED GRADE ELEVATION	14.890	14.908	14.891	14.772	14.579	14.382	14.186	13.993	13.873	13.856	13.913	13.973	14.033	14.093	14.096		
EXISTING GROUND ELEVATION	4.12	4.15	4.28	4.27	4.17	3.88	3.78	3.82	3.86	3.92	3.76	3.38	3.77	3.94	3.95	3.74	3.77

VERTICAL ALIGNMENT: BVSC — CURVE # 1, VCL = 50 — EVCE — g=−0.945%, L=120.000 — BVSC — CURVE # 2, VCL = 50 — EVCE — g=+0.300%, L=100.991

B GENERAL ELEVATION
– SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

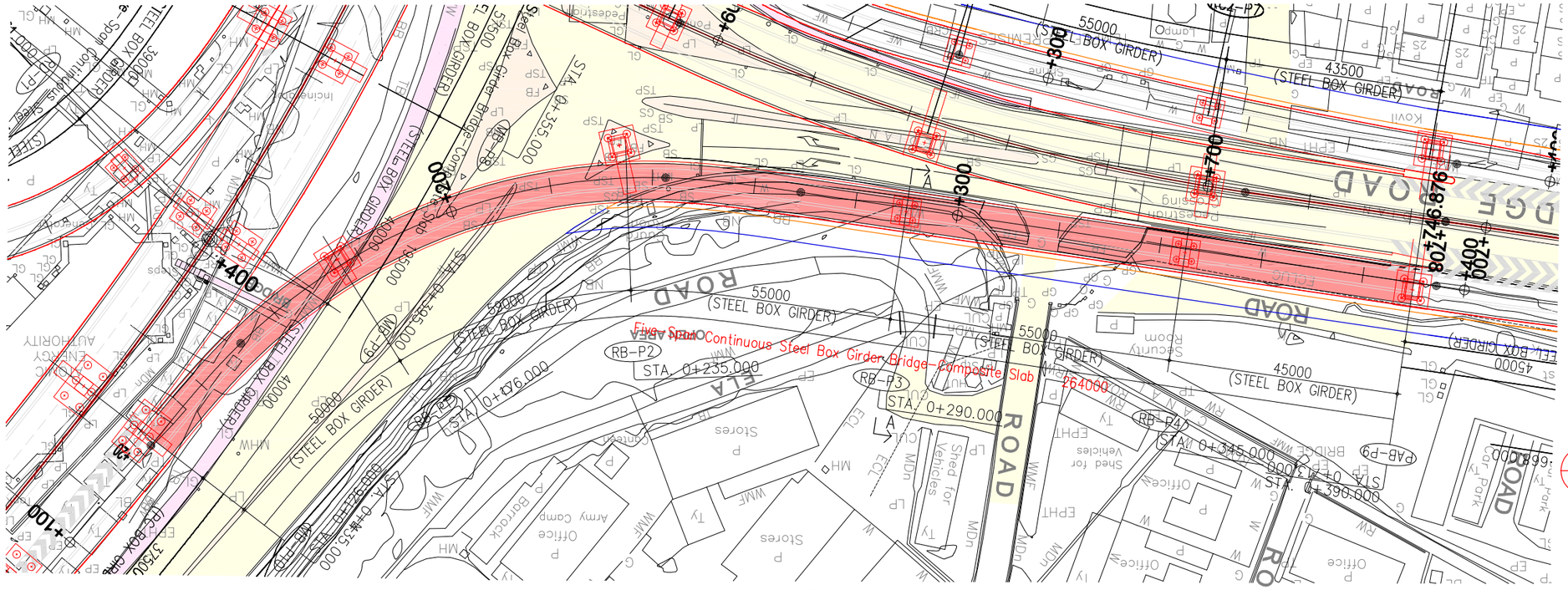
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

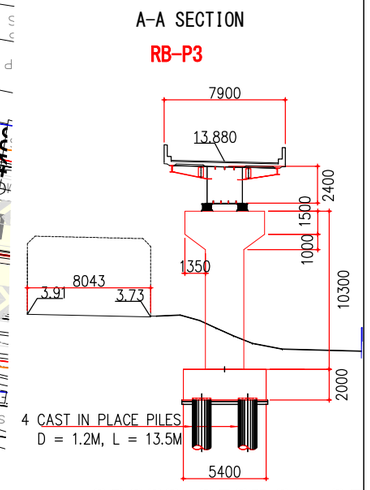
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
KELANITISSA A RAMP STEEL BOX GIRDER
STA.0+138.000 TO STA.0+376.000

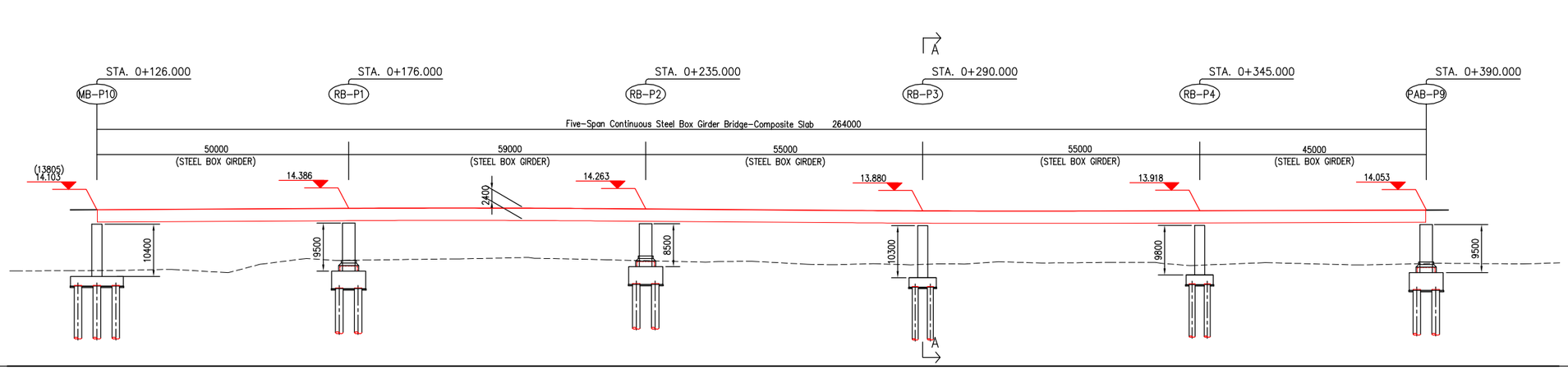
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-11



A GENERAL PLAN
– SCALE 1:500



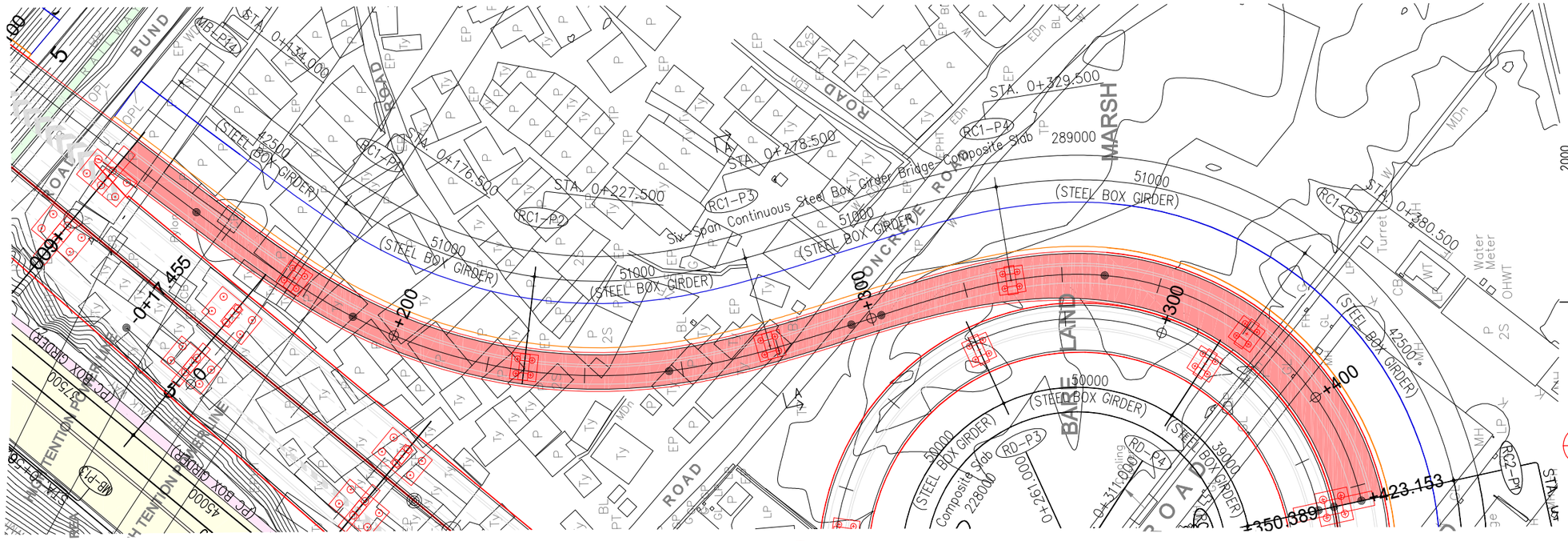
C CROSS SECTION OF SUBSTRUCTURE
– SCALE 1:200



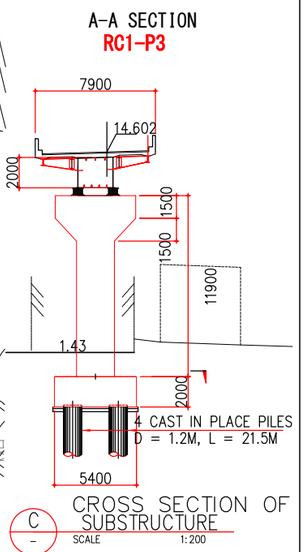
STATION	0+120.719				0+200				0+300					+394.426	0+400	
FINISHED GRADE ELEVATION		14.073	14.182	14.295	14.405	14.440	14.371	14.226	14.079	13.933	13.848	13.846	13.903	13.963	14.023	14.066
EXISTING GROUND ELEVATION		1.99	2.24	3.46	4.10	4.36	4.31	3.85	3.65	3.38	3.43	3.57	3.23	3.54	3.19	3.40
VERTICAL ALIGNMENT		g=+0.567% L=79.238	BVSC	CURVE # 1 VCL = 50	EVCE		g=−0.695% L=100.000	BVSC	CURVE # 2 VCL = 50	EVCE		g=+0.300% L=94.426				

B GENERAL ELEVATION
– SCALE 1:500

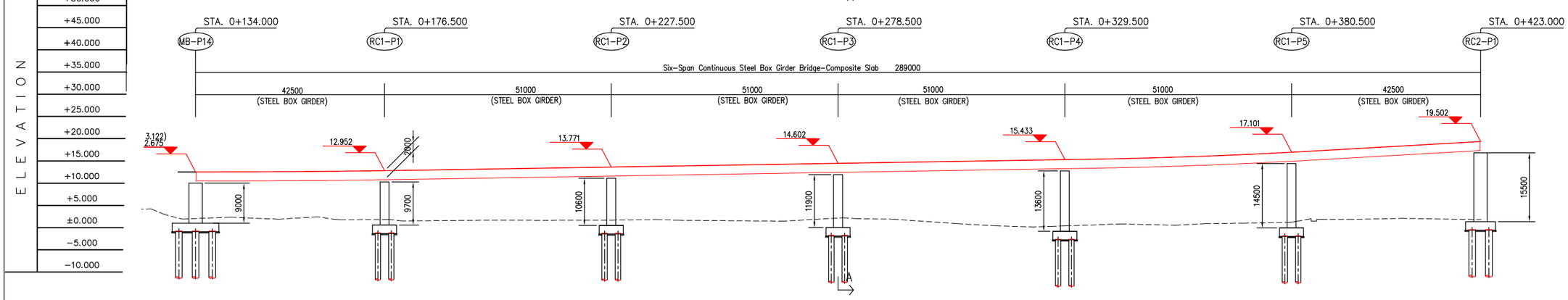
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE BRIDGE GENERAL DRAWING KELANITISSA B RAMP STEEL BOX GIRDER STA.0+126.000 TO STA.0+390.000	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-12



A GENERAL PLAN
SCALE 1:500



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:200



STATION																	
			0+200						0+300						0+400	0+423.153	
FINISHED GRADE ELEVATION	12.675	12.678	12.774	13.001	13.323	13.649	13.975	14.301	14.627	14.952	15.278	15.614	16.183	17.074	18.198	19.332	19.511
EXISTING GROUND ELEVATION	2.27	2.39	2.45	1.67	1.77	1.77	1.84	1.62	2.29	1.36	0.33	0.86	0.94	1.27	2.08	1.94	1.89
VERTICAL ALIGNMENT	)13% 59	BVSC	CURVE # 1 VCL = 50	EVCE					g=+1.629% L=170.000			BVSC	CURVE # 2 VCL = 50	EVCE	g=+5.670% L=38.153		

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

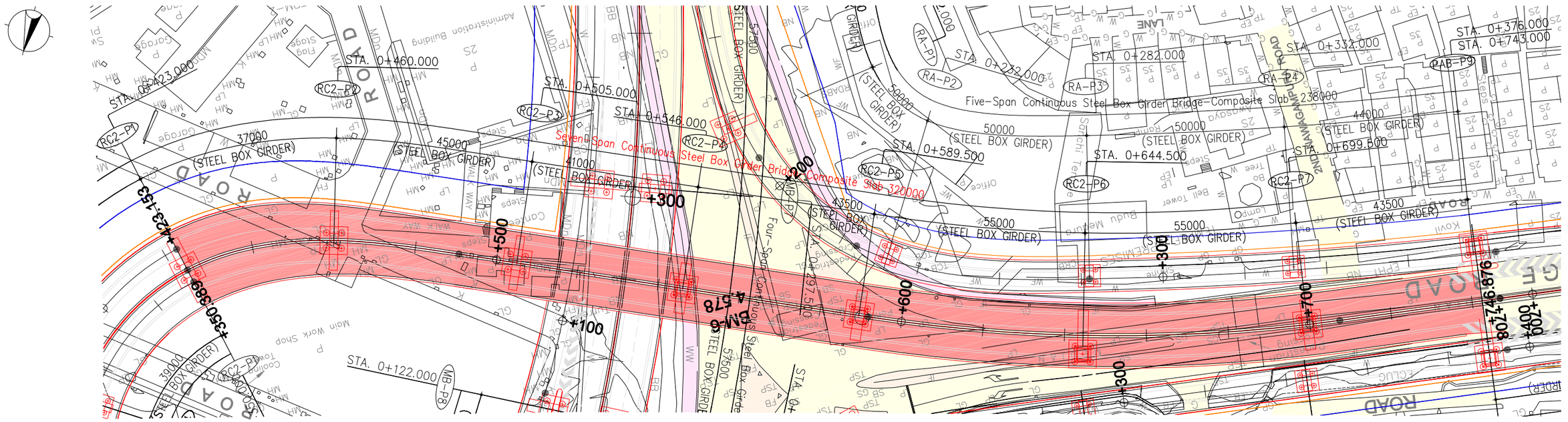
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

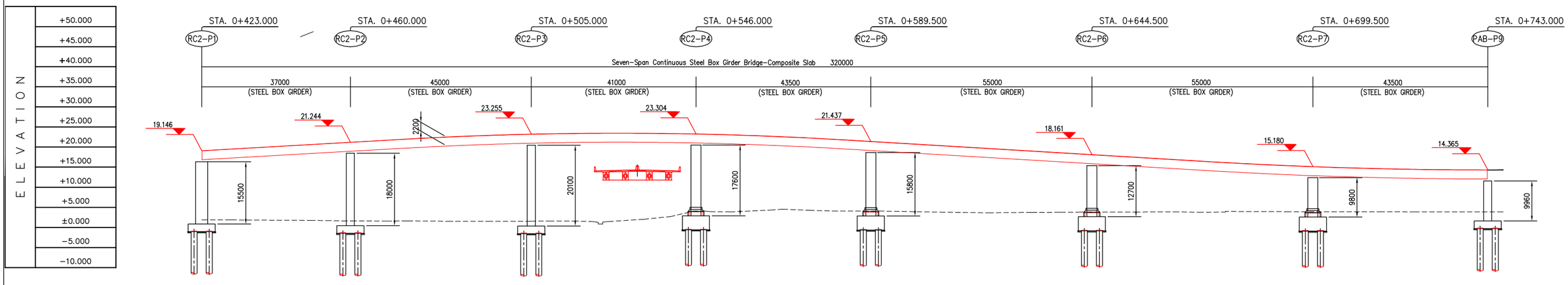
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
KELANITISSA C1 RAMP STEEL BOX GIRDER
STA.0+134.000 TO STA.0+423.000

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-13



A GENERAL PLAN
SCALE 1:500



STATION	0+423.153					0+500					0+600					0+700				0+746.876
FINISHED GRADE ELEVATION	19.155	20.110	21.244	22.352	23.127	23.479	23.408	22.914	21.998	20.811	19.620	18.429	17.238	16.066	15.161	14.596	14.369	14.370		
EXISTING GROUND ELEVATION	1.90	1.84	1.66	1.61	1.57	1.51	2.81	4.14	4.12	3.95	3.69	3.82	3.88	4.00	3.94	3.92	3.90	3.89		
VERTICAL ALIGNMENT	g=+5.670% L=49.847	BVSC	CURVE # 1 VCL = 110						EVCE	g=−5.956% L=90.125	BVSC	CURVE # 2 VCL = 73.751					EVCE				

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

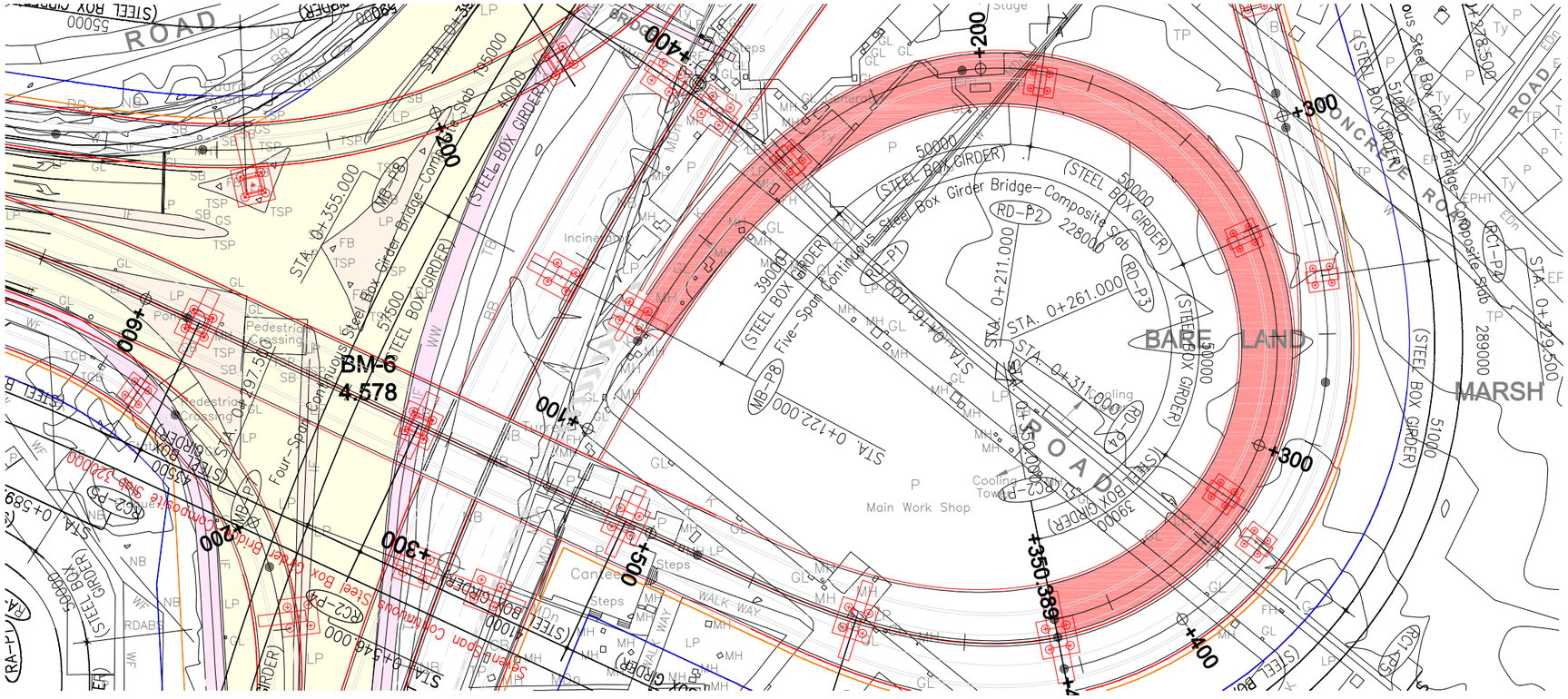
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

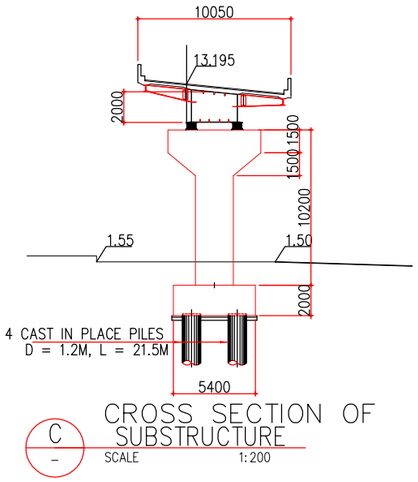
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
KELANITISSA C2 RAMP STEEL BOX GIRDER
STA.0+423.000 TO STA.0+743.000

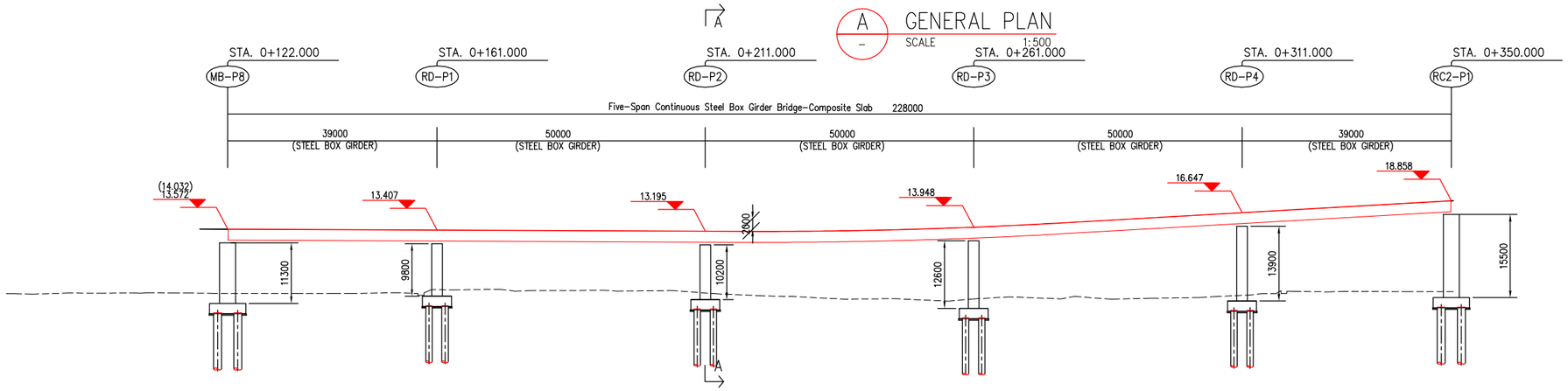
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-14





C – CROSS SECTION OF SUBSTRUCTURE
SCALE 1:200

A – GENERAL PLAN
SCALE 1:500



STATION	0+100					0+200					0+300			0+350.389
FINISHED GRADE ELEVATION		13.594	13.580	13.496	13.411	13.326	13.241	13.160	13.331	13.909	14.889	16.023	17.157	18.291	18.880
EXISTING GROUND ELEVATION	1.62	1.61	1.56	1.57	2.29	2.10	2.05	1.19	0.53	0.46	0.50	0.76	1.98	1.91	1.90
VERTICAL ALIGNMENT	g=−0.424% L=111.528					BVSC	CURVE # 1 VCL = 60				EVCE	g=+5.670% L=72.987			

B – GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

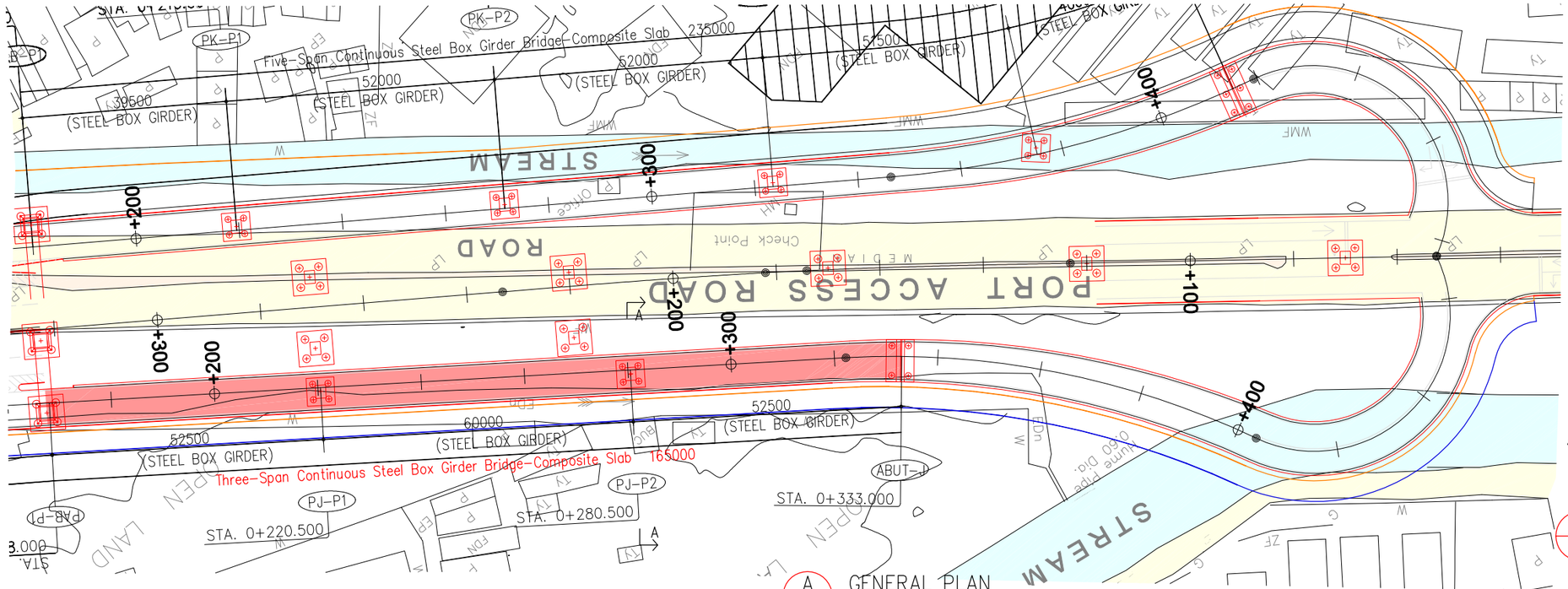
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

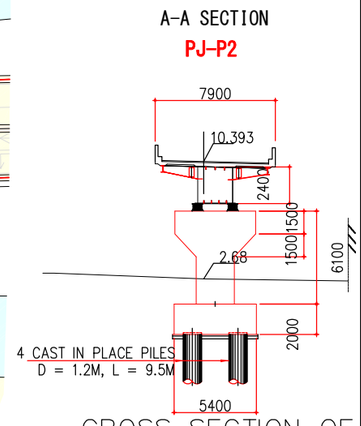
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
KELANITISSA D RAMP STEEL BOX GIRDER
STA.0+122.000 TO STA.0+350.000

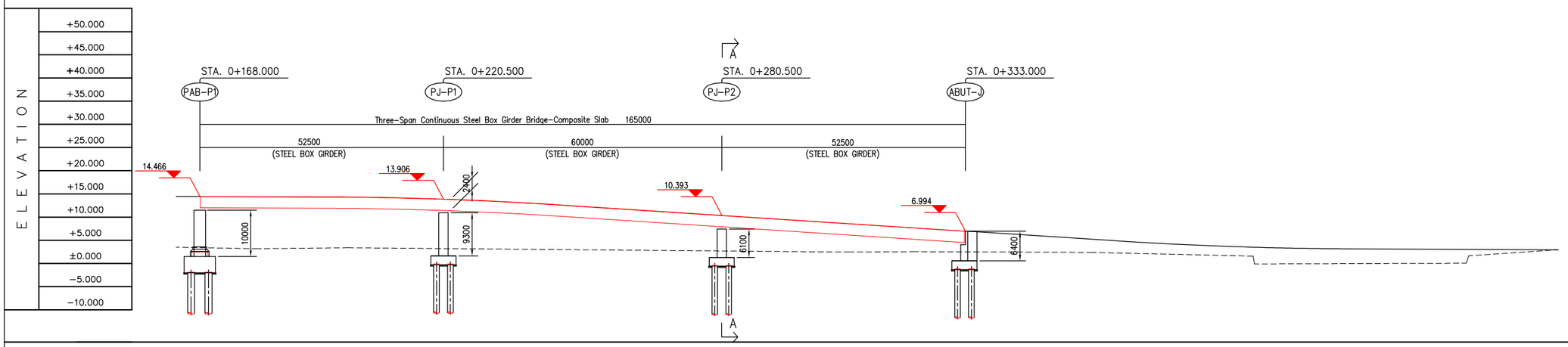
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-15



A GENERAL PLAN
SCALE 1:500



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:200



B GENERAL ELEVATION
SCALE 1:500

STATION	0+162.874	0+200	0+300	0+400	0+460.750	0+468.590
FINISHED GRADE ELEVATION	14.481 14.430 14.354 13.924 12.999 11.720 10.425 9.130 7.836 6.541 5.246 4.086 3.388 3.154 3.054 2.954 2.950					
EXISTING GROUND ELEVATION	3.52 3.20 3.40 3.23 3.06 2.88 2.71 2.54 2.55 2.49 2.41 1.94 −0.07 0.00 0.07 2.90 2.95					
VERTICAL ALIGNMENT	g=−0.300% L=32.126 BVSC	CURVE # 1 VCL =50 EVCE	g=−6.474% L=120.000 BVSC	CURVE # 2 VCL = 50 EVCE	g=−0.500% L=45.750	

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

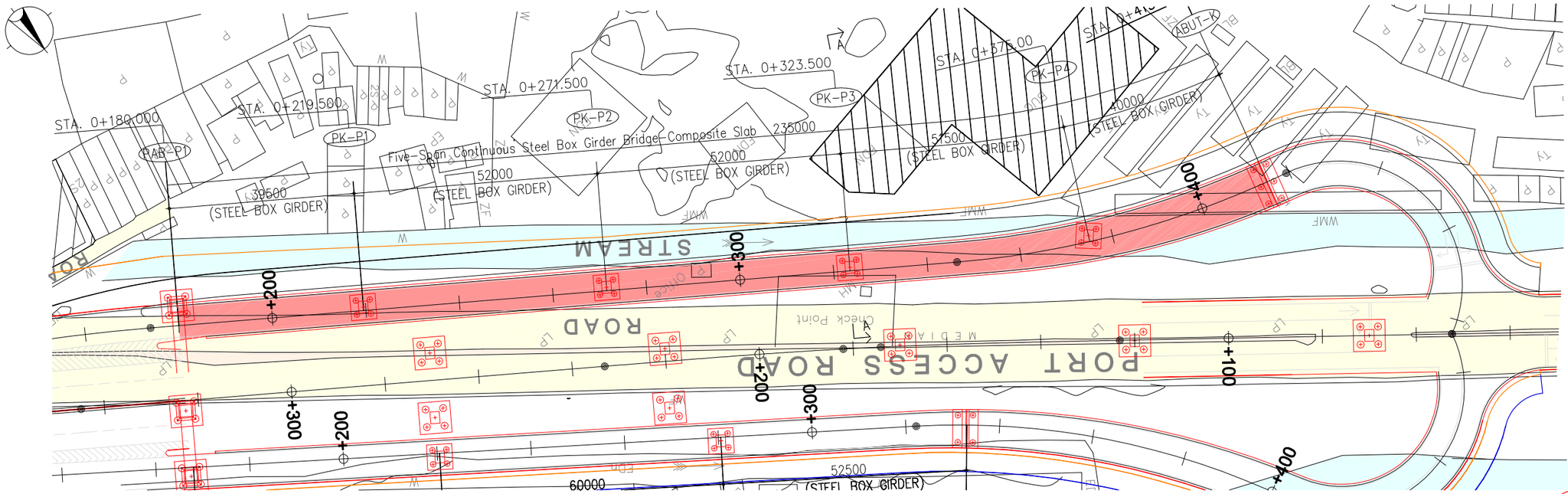
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

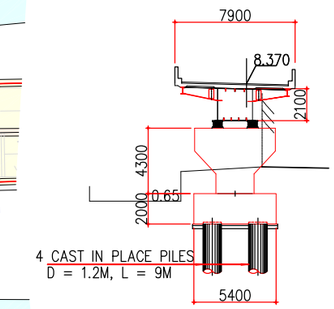
BRIDGE GENERAL DRAWING
INGURUKADE ON RAMP STEEL BOX GIRDER
STA.0+168.000 TO STA.0+333.000

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-16

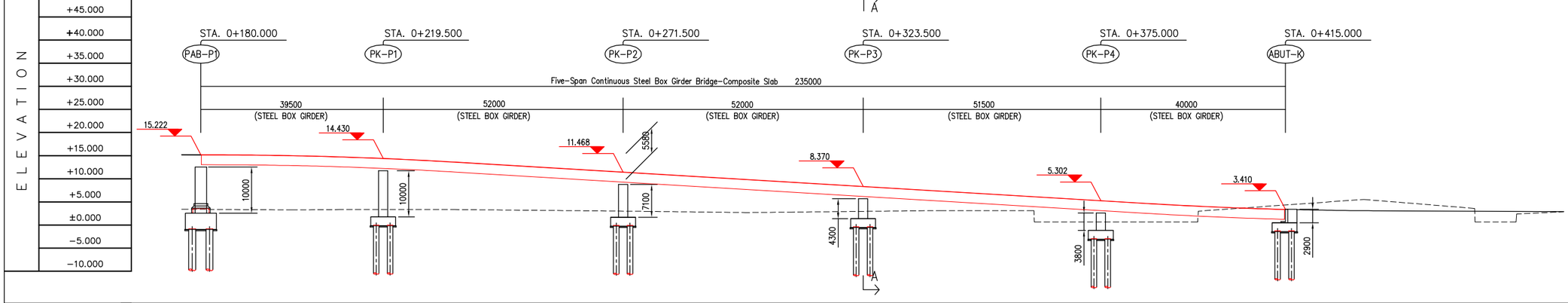


A GENERAL PLAN
– SCALE 1:500

A-A SECTION
PK-P3



C CROSS SECTION OF SUBSTRUCTURE
– SCALE 1:200



STATION		0+200				0+300						0+400				0+475.321	0+483.161
FINISHED GRADE ELEVATION	15.222	15.035	14.409	13.345	12.153	10.962	9.770	8.579	7.387	6.196	5.004	3.935	3.289	3.067	2.967	2.890	
EXISTING GROUND ELEVATION	3.40	3.28	3.36	3.31	3.12	2.92	2.73	2.93	3.14	3.13	0.65	3.28	4.70	4.90	0.65	2.89	
VERTICAL ALIGNMENT	-0.300% 9.184 BVSC	CURVE # 1 VCL = 50	EVCE	g=−5.958% L=150.000							BVSC	CURVE # 2 VCL = 50		EVCE	g=−0.500% L=40.321		

B GENERAL ELEVATION
– SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

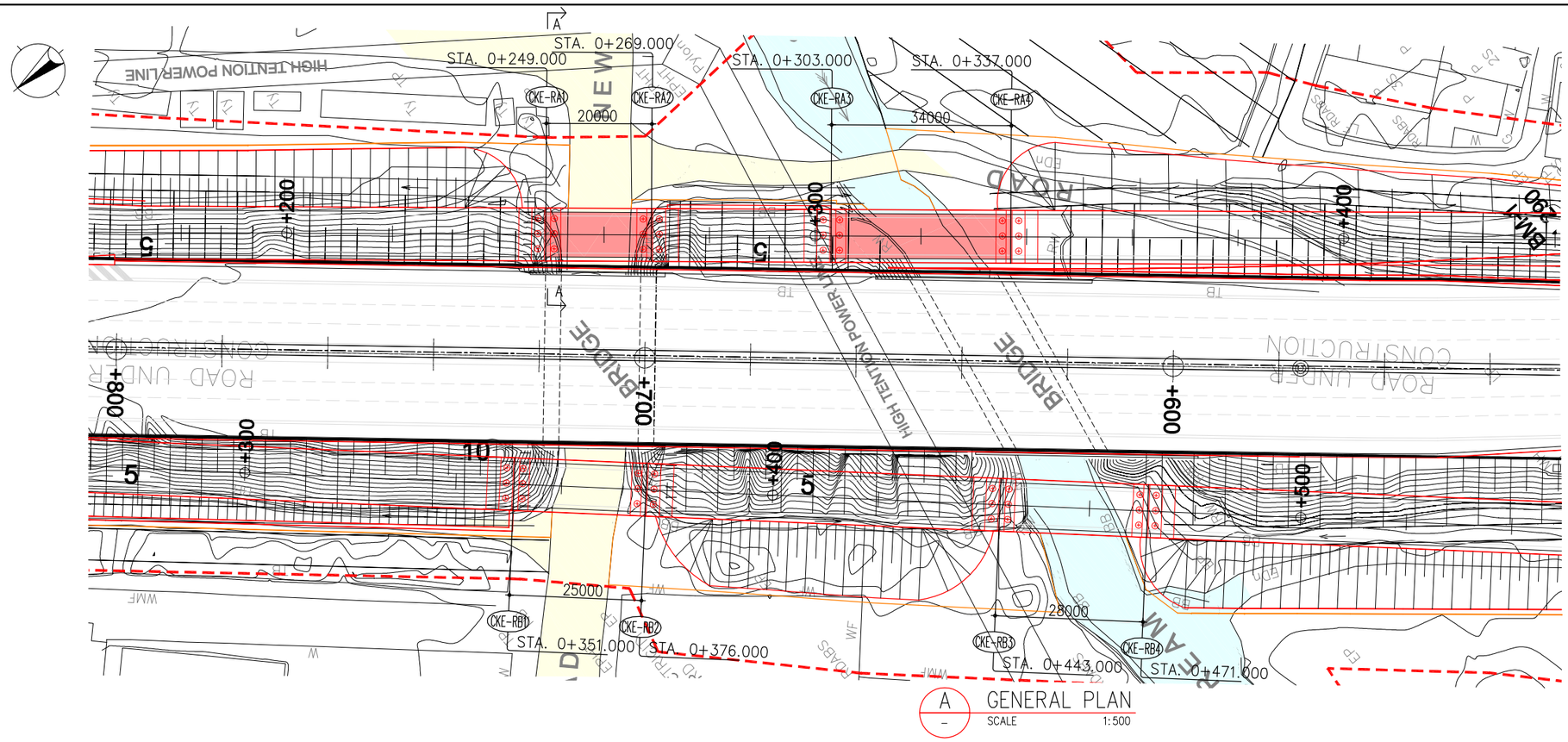
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

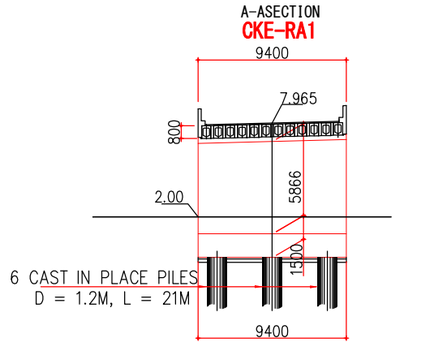
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
INGURUKADE OFF RAMP STEEL BOX GIRDER
STA.0+180.000 TO STA.0+415.000

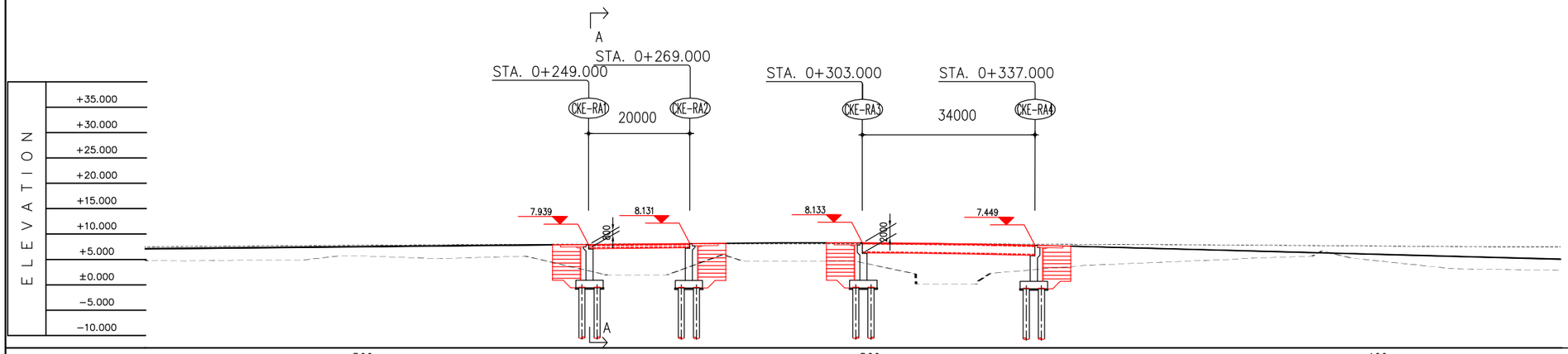
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-17



A GENERAL PLAN
SCALE 1:500



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:200



STATION		+ 200					+ 300					+ 400	
FINISHED GRADE ELEVATION	7.277	7.469	7.661	7.853	8.044	8.207	8.161	7.877	7.355	6.626	5.866	5.107	4.347	3.638
EXISTING GROUND ELEVATION	4.70	5.50	5.00	4.81	1.80	4.50	4.50	0.00	3.05	4.19	5.10	5.10	3.00	2.73
VERTICALL ALIGNMENT	g=+0.970% L=111.929				BVSC		CURVE # 1 VCL = 80			EVCE	g=−3.797% L=75.00		BVSC	

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

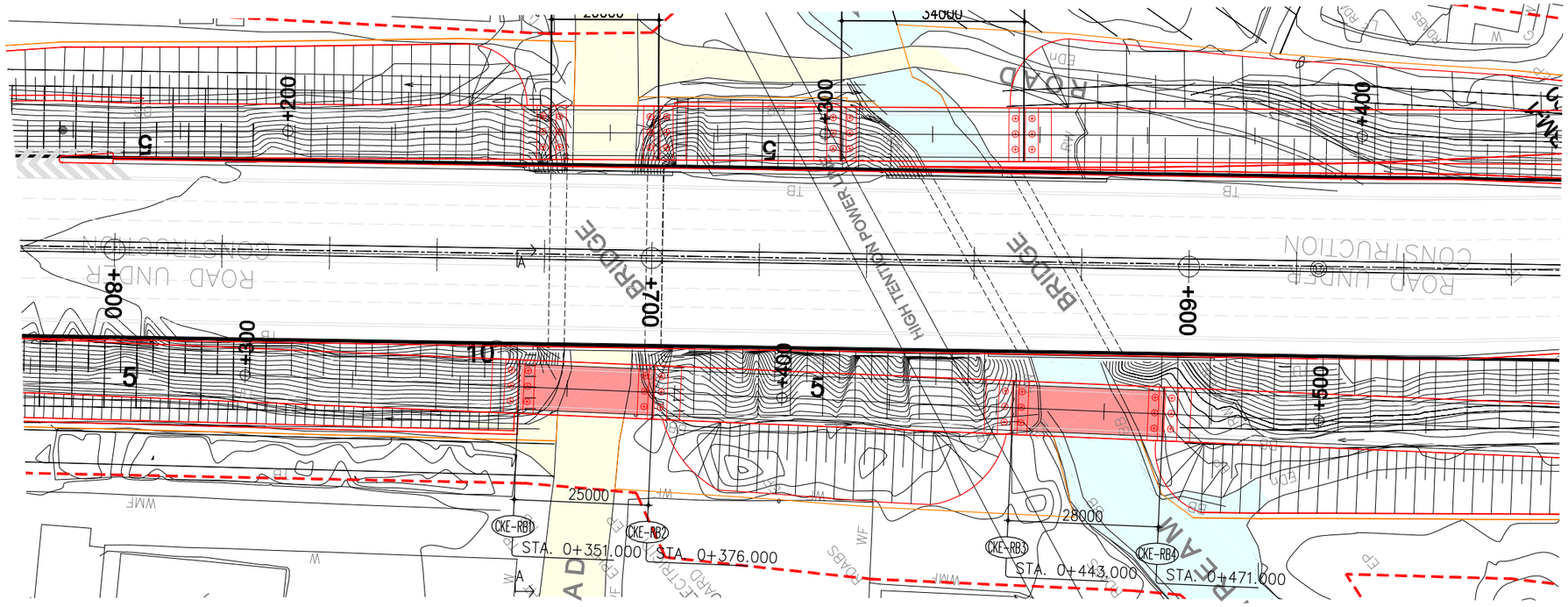
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

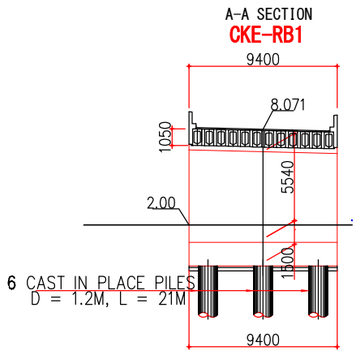
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
NEW KELANI BRIDGE A RAMP PC HOLLOW GIRDER, PC T GIRDER
STA.0+249.000 TO STA.0+269.000 / STA.0+303.000 TO STA.0+337.000

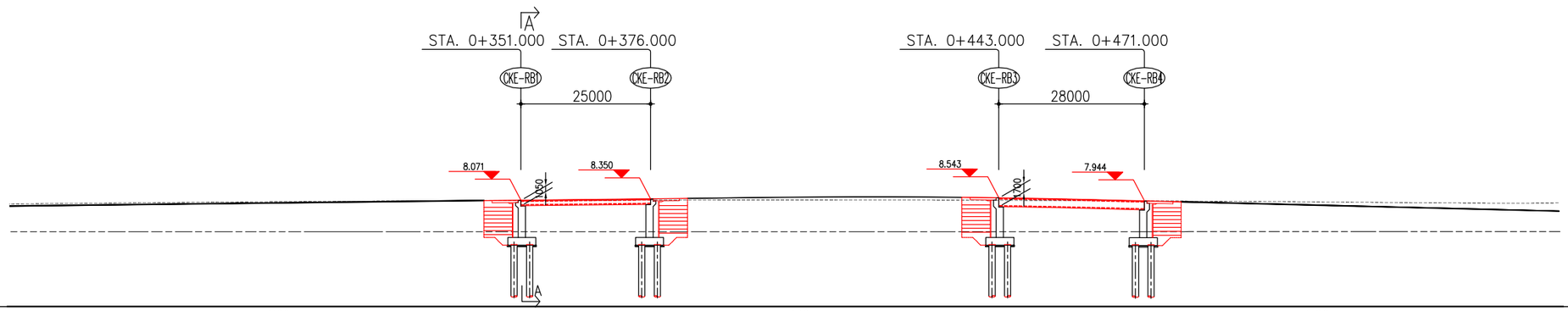
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-18



A GENERAL PLAN
SCALE 1:500



C CROSS SECTION OF SUBSTRUCTURE
SCALE 1:200



STATION		+ 300						+ 400						+ 500	
FINISHED GRADE ELEVATION	7.039	7.259	7.479	7.699	7.919	8.139	8.359	8.579	8.681	8.547	8.176	7.688	7.199	6.711	6.222
EXISTING GROUND ELEVATION	5.77	5.10	6.20	6.70	6.50	1.86	3.94	5.08	5.13	4.07	0.09	2.94	3.50	2.42	2.00
VERTICALL ALIGNMENT	g=+1.100% L=154.742					BVSC	CURVE − 1 LVC = 60		EVCE	g=−2.443% L=170.000					

B GENERAL ELEVATION
SCALE 1:500

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

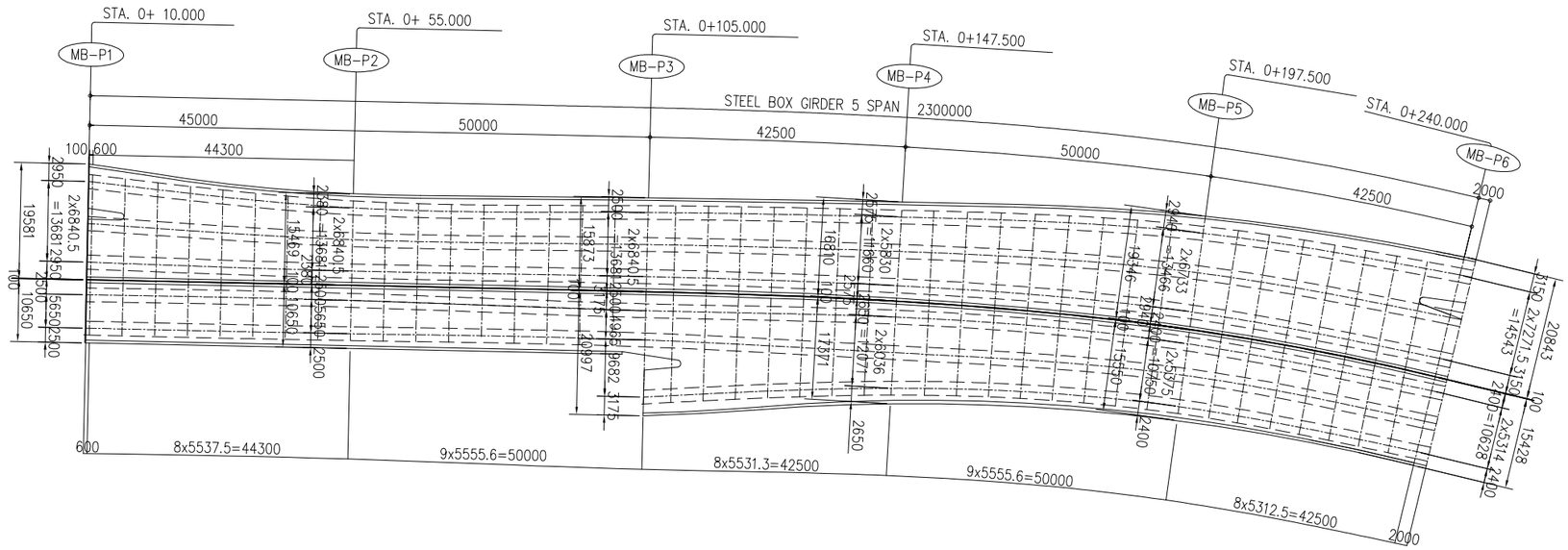
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
NEW KELANI BRIDGE B RAMP PC HOLLOW GIRDER, PC T GIRDER
STA.0+351.000 TO STA.0+376.000 / STA.0+443.000 TO STA.0+471.000

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-19



SIDE VIEW (MBP1–MBP6)
STEEL BOX GIRDER

SCALE 1:500

MB–P1

SCALE 1:100

STA.0+10.0

MB–P2

SCALE 1:100

STA.0+55.0

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

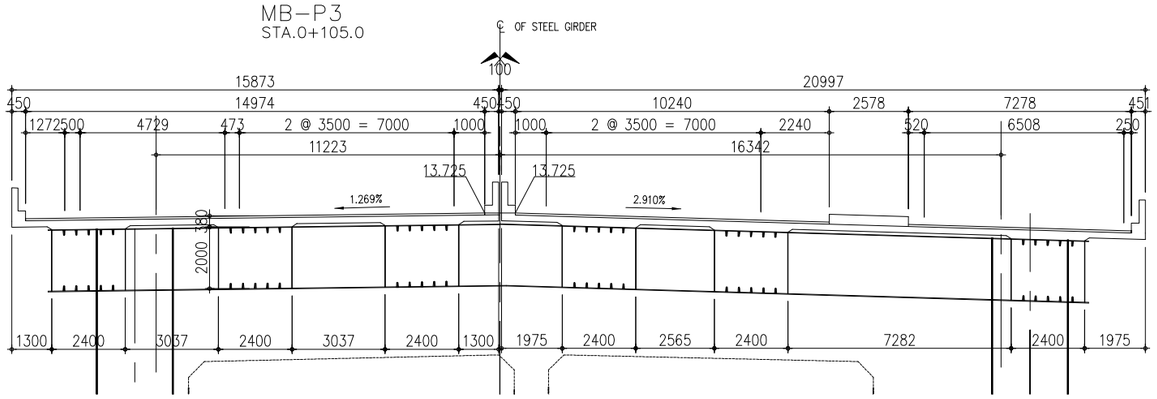
SUPERSTRUCTURE GENERAL DRAWING
MAIN LINE STEEL BOX GIRDER
MBP1-MBP6(1/2)

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-20

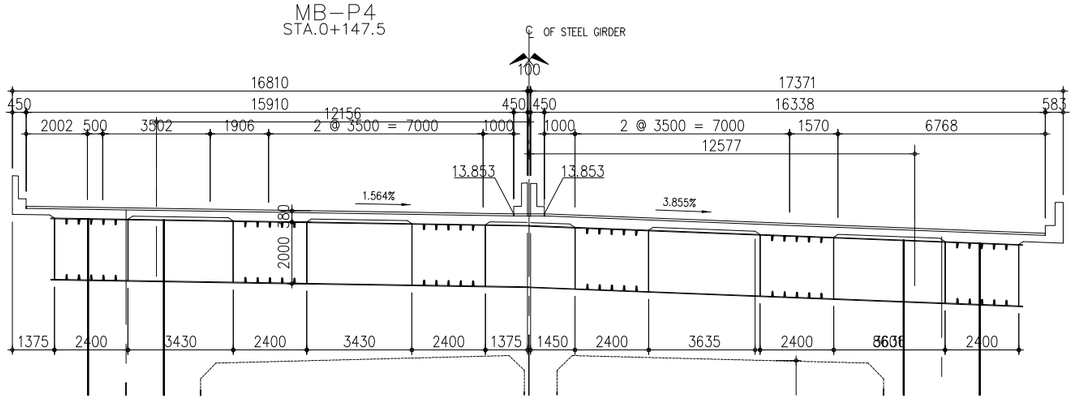
CROSS SECTION (MBP1–MBP6)
STEEL BOX GIRDER

SCALE 1:100

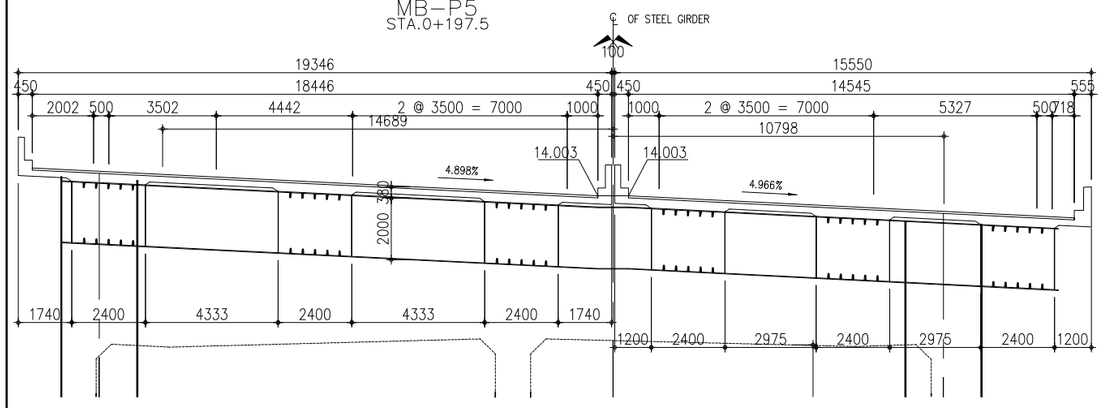
MB–P3
STA.0+105.0



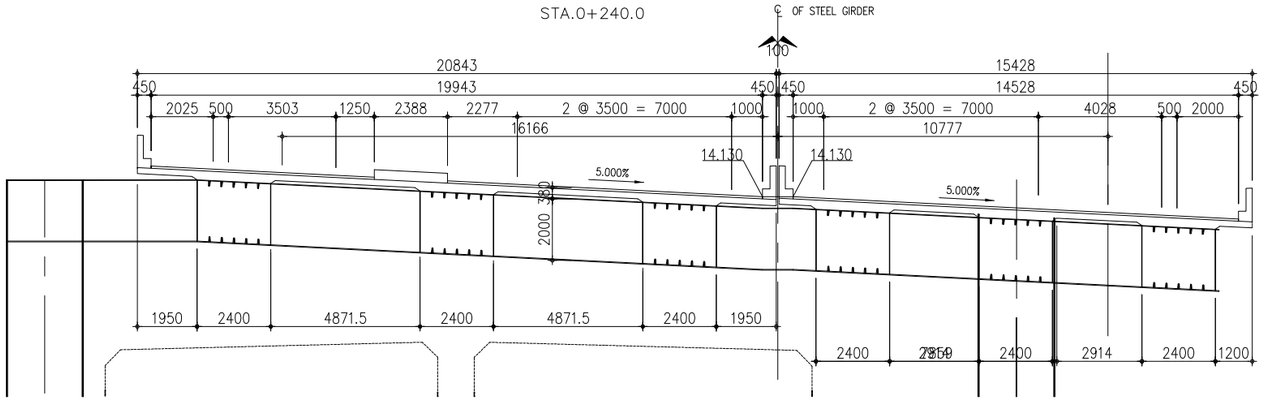
MB–P4
STA.0+147.5



MB–P5
STA.0+197.5



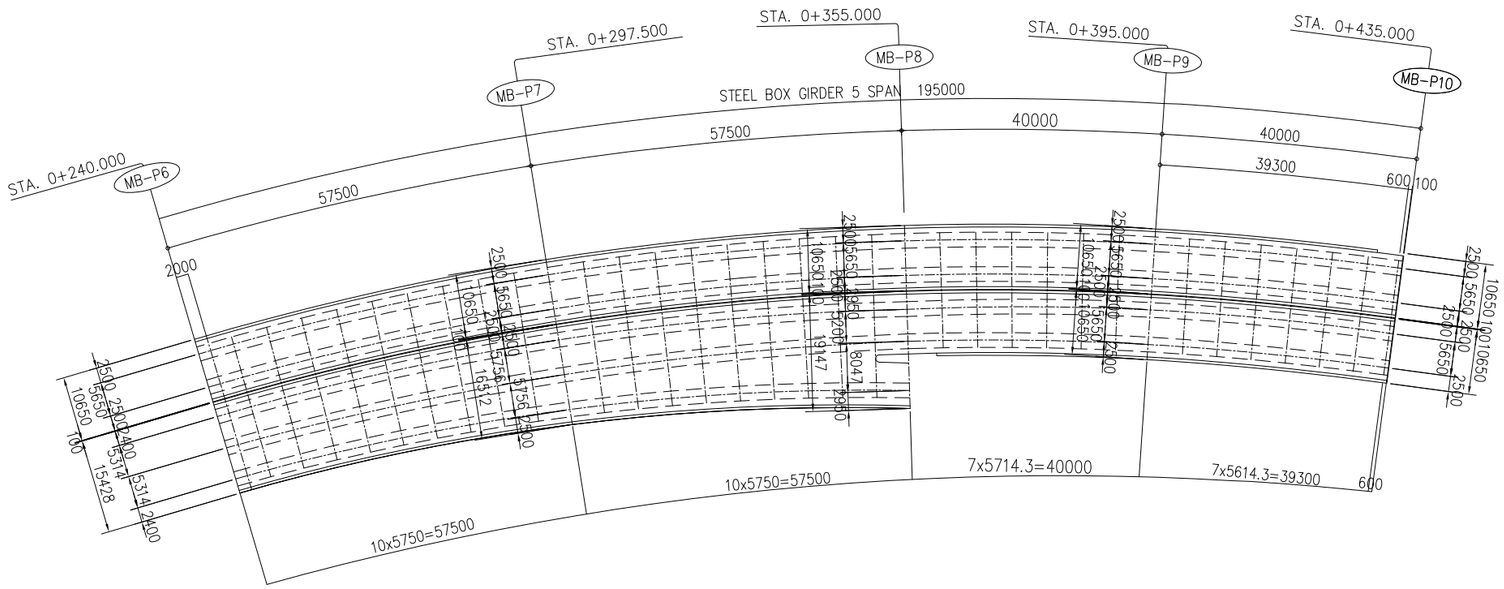
MB–P6
STA.0+240.0



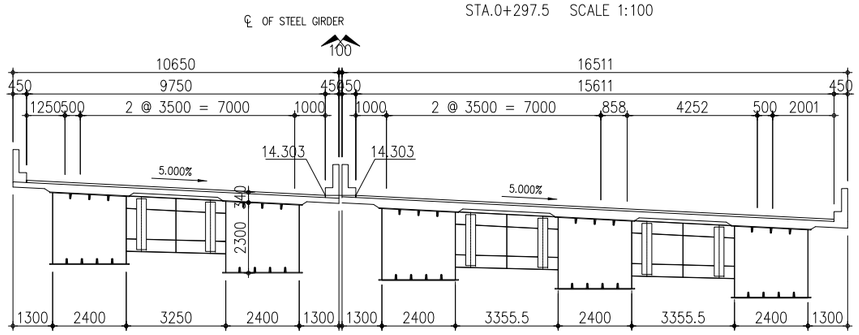
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP1-MBP6(2/2)	DESIGNED BY: / CHECKED BY: / APPROVED BY: / DWG. NO. B-21

SIDE VIEW (MBP6–MBP10)
STEEL BOX GIRDER

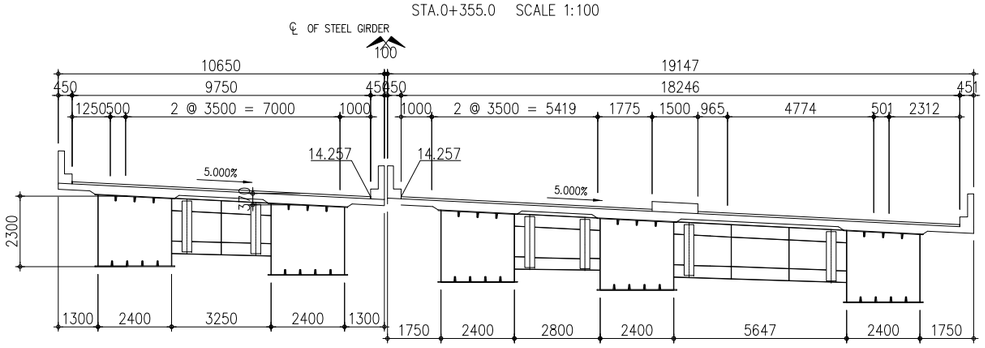
SCALE 1:500



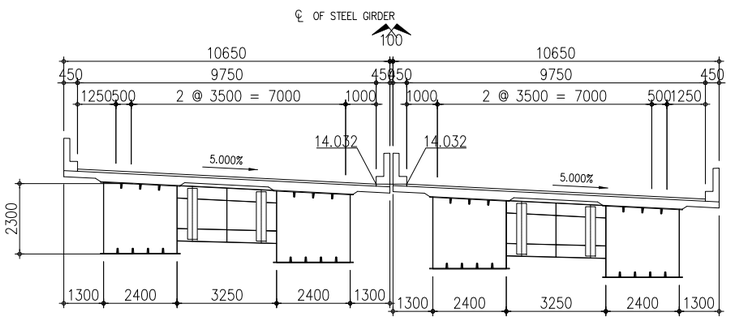
MB–P7
STA.0+297.5 SCALE 1:100



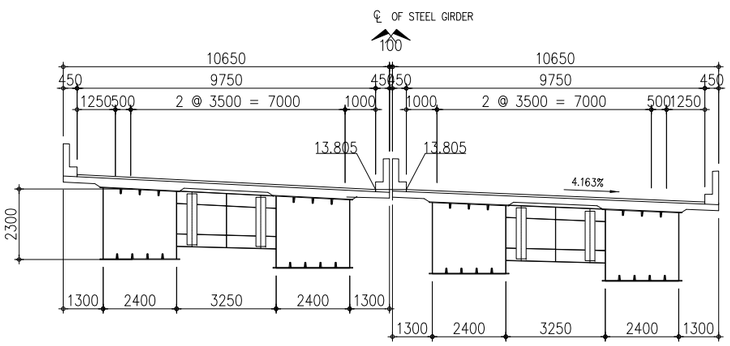
MB–P8
STA.0+355.0 SCALE 1:100



MB–P9
STA.0+395.0 SCALE 1:100



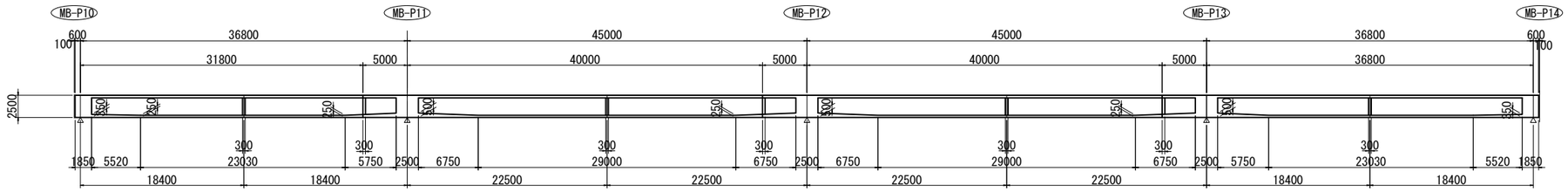
MB–P10
STA.0+435.0 SCALE 1:100



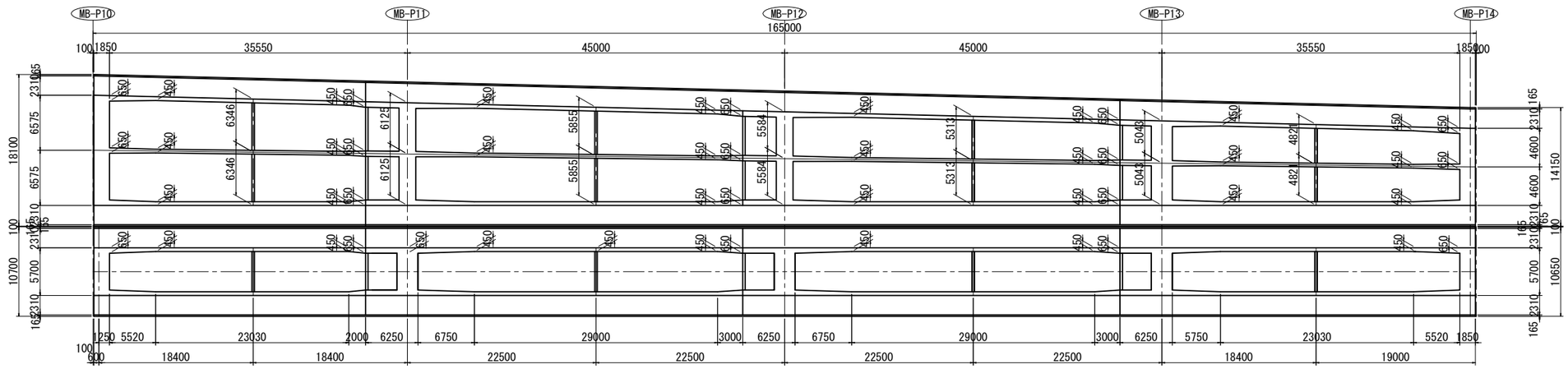
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP6-MBP10	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	 B-22

SIDE VIEW (MB10-MB14)
PC BOX GIRDER

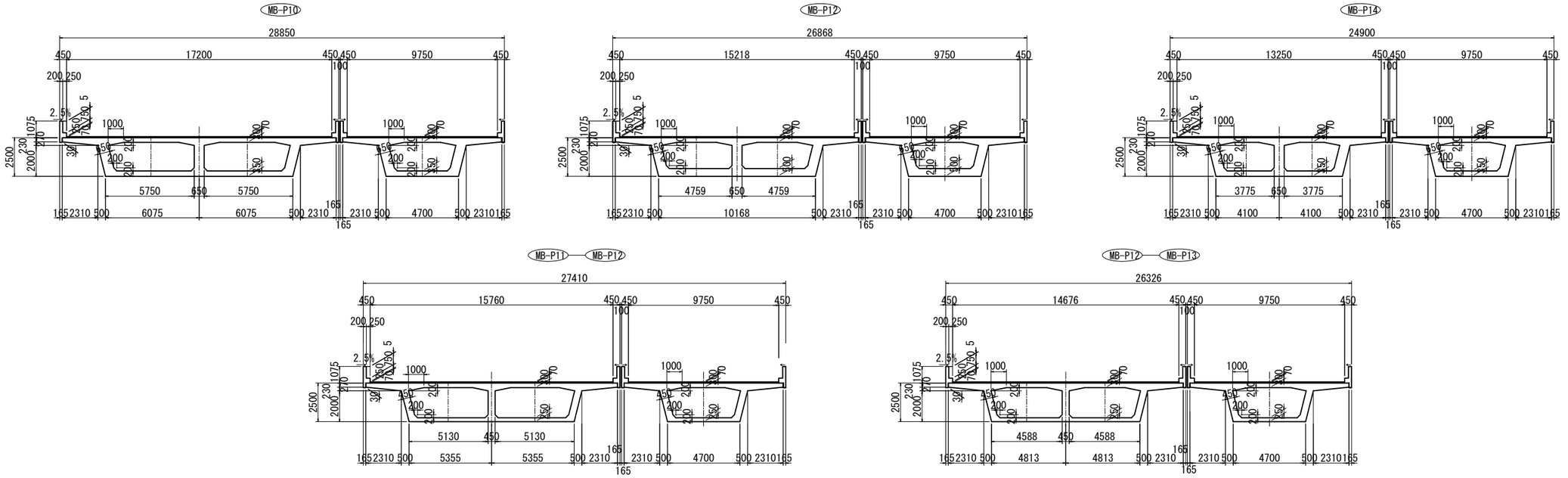
SIDE VIEW SCALE 1:300



PLAN SCALE 1:300



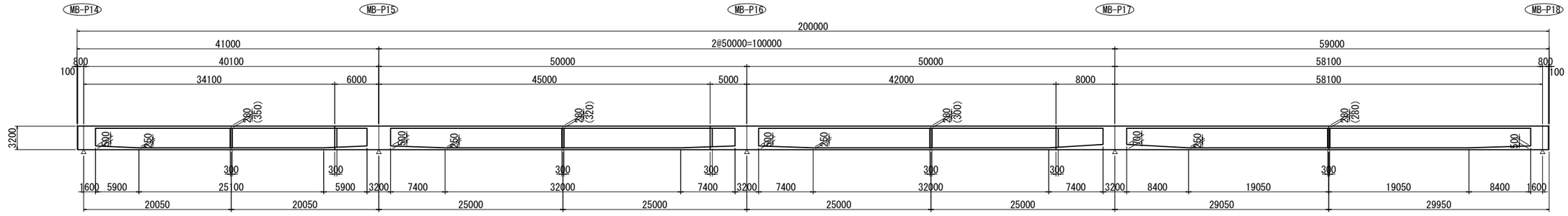
CLOSS SECTION SCALE 1:150



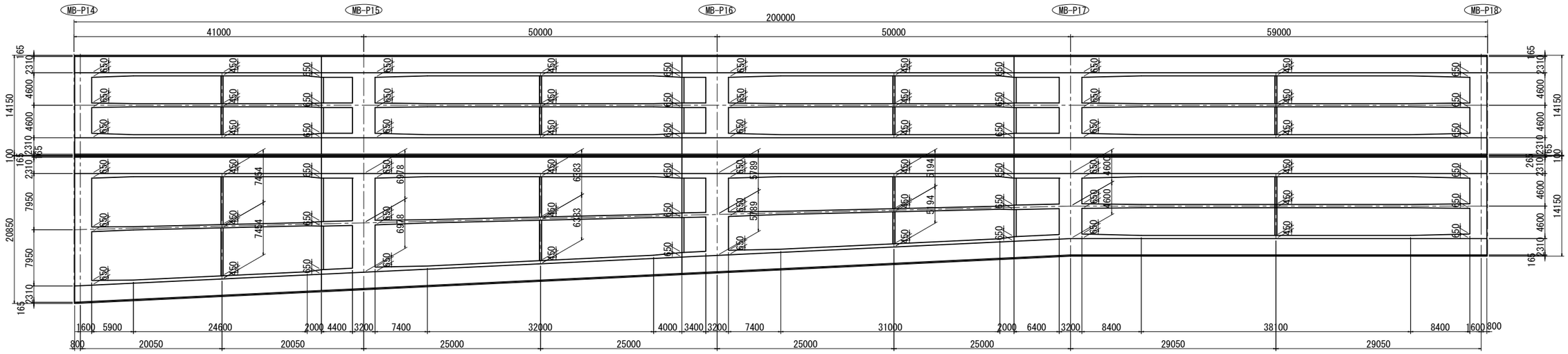
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING MAIN LINE PC BOX GIRDER MBP10-MBP14	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-23

SIDE VIEW (MB14-MB18)
PC BOX GIRDER

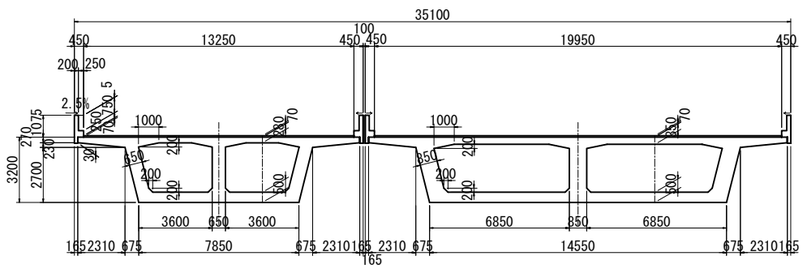
SIDE VIEW SCALE 1:300

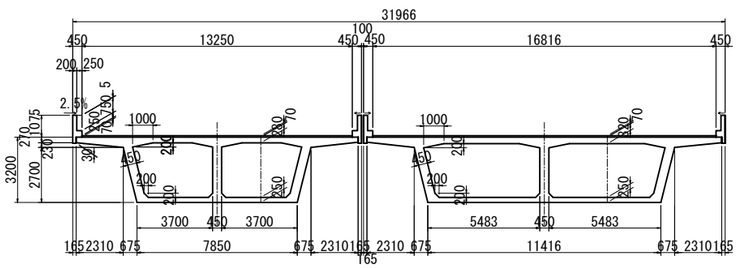


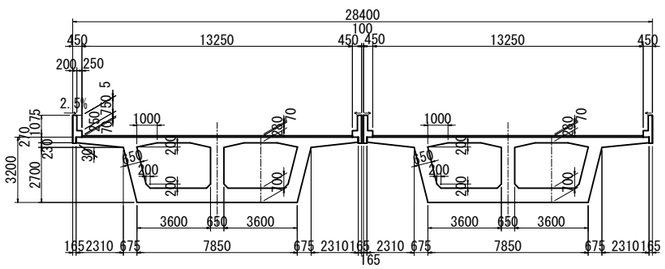
PLAN SCALE 1:300

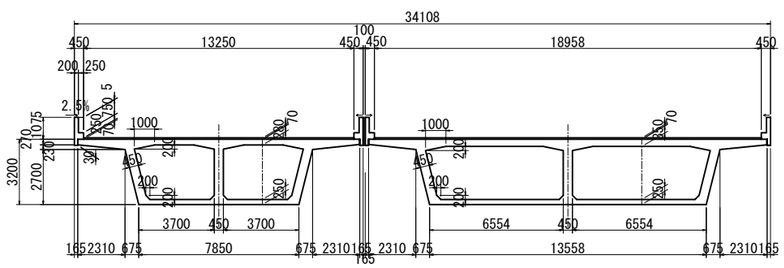


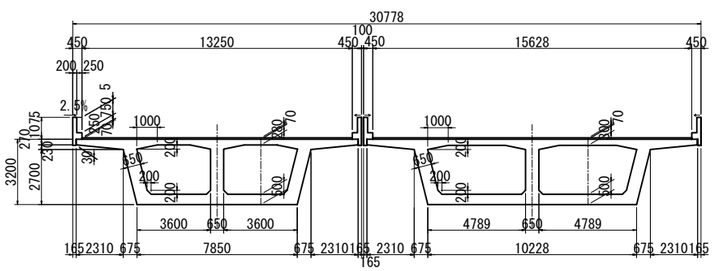
CLOSS SECTION SCALE 1:150

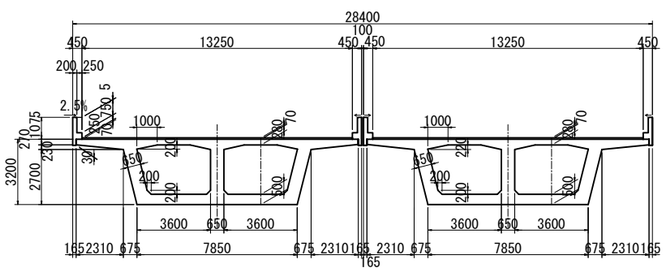












MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

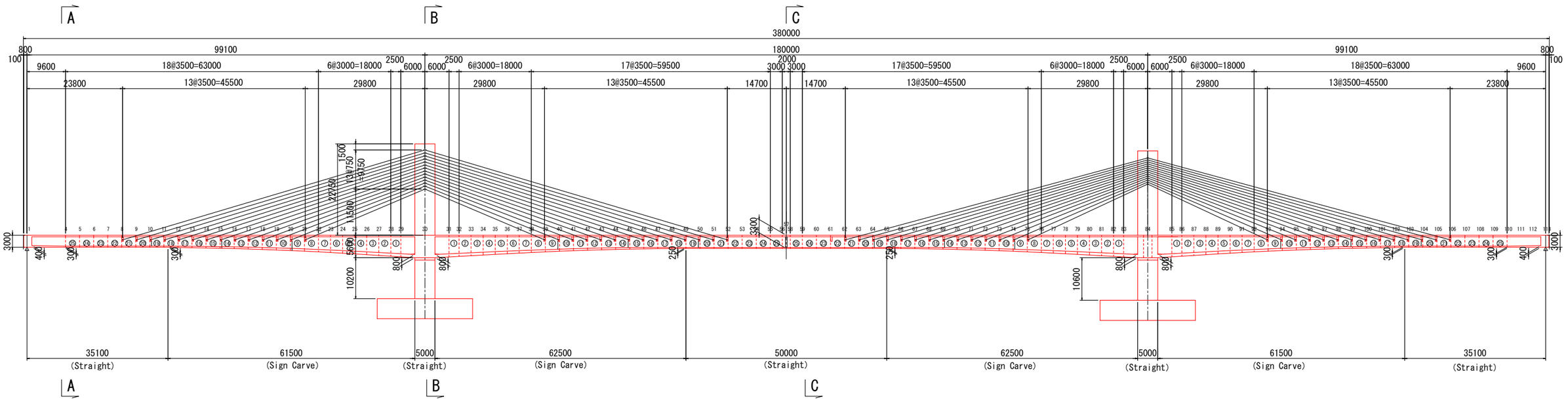
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUPERSTRUCTURE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
MBP14-MBP18

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-24

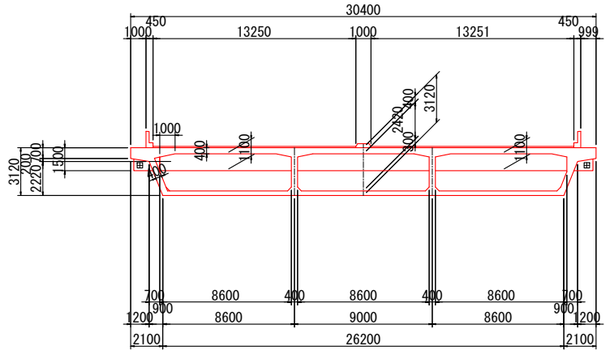
SIDE VIEW (MB18-MB21)
EXTRADOSED

SIDE VIEW SCALE 1:500

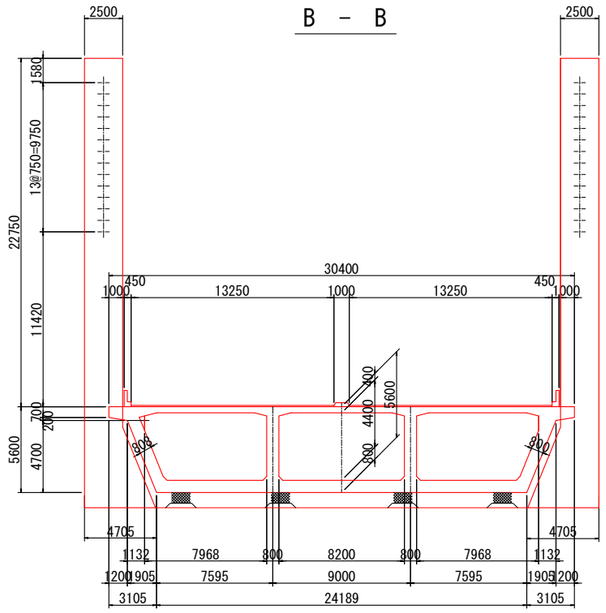


CROSS SECTION SCALE 1:200

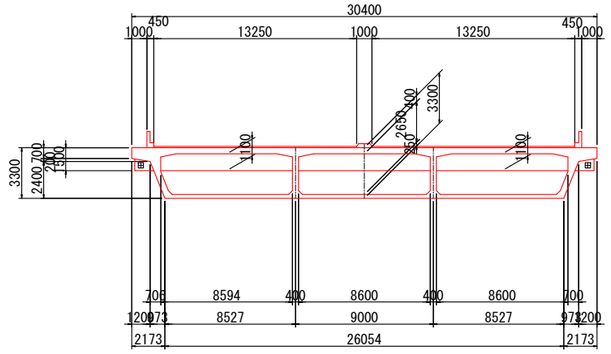
A – A



B – B



C – C



MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

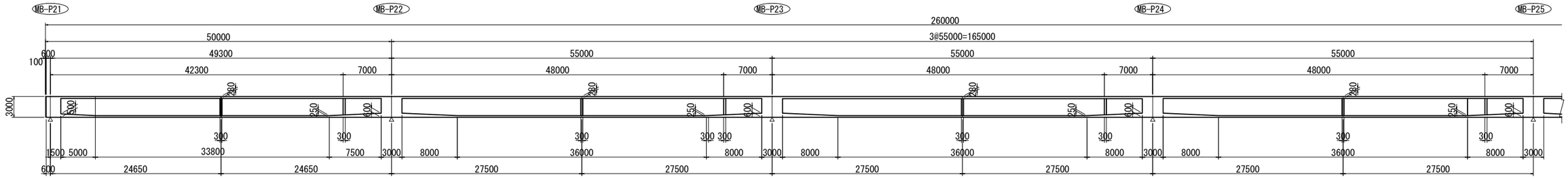
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUPERSTRUCTURE GENERAL DRAWING
MAIN LINE EXTRADOSED BRIDGE
MBP18-MBP21

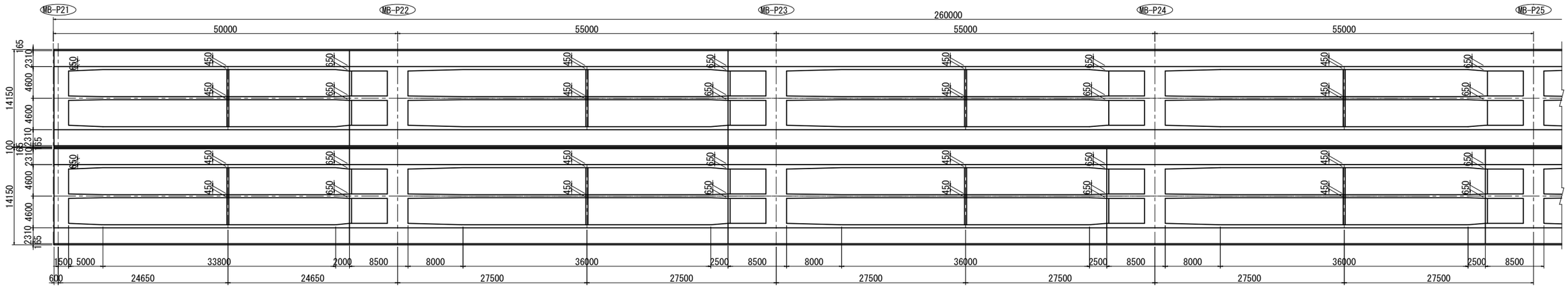
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-25

SIDE VIEW (MB21-AbutA)
PC BOX GIRDER

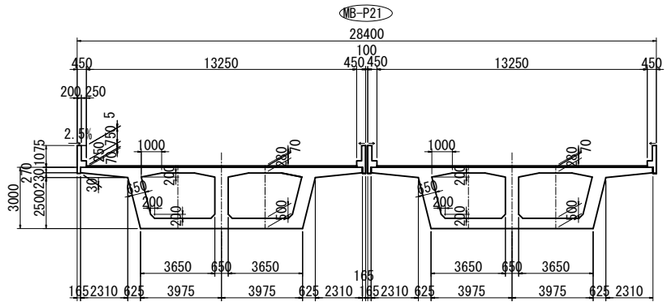
SIDE VIEW SCALE 1:300

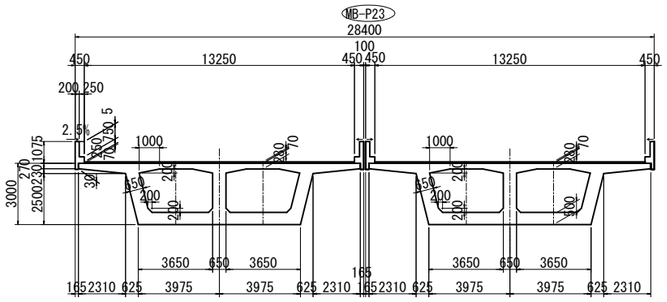


PLAN SCALE 1:300

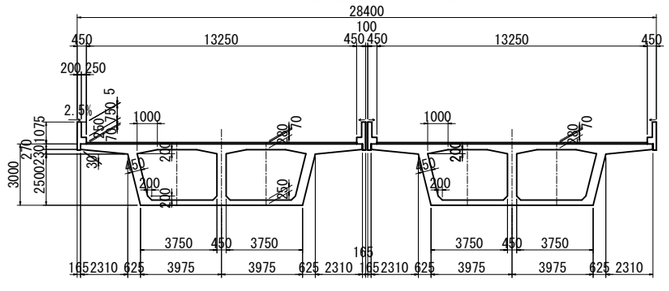


CLOSS SECTION SCALE 1:150

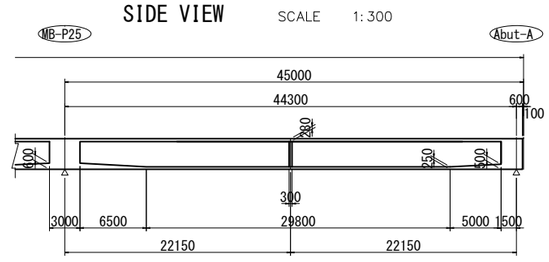




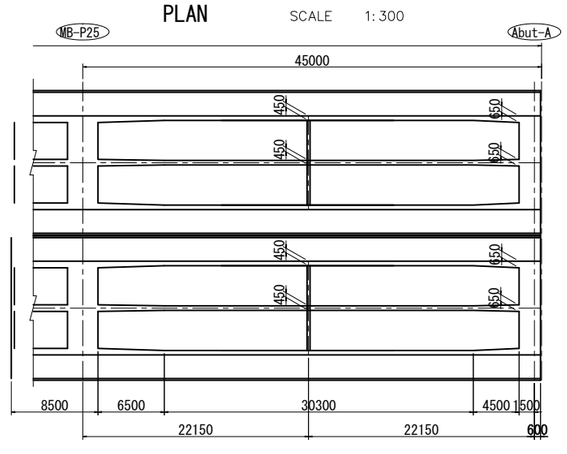
CENTER SECTION OF SPAN



SIDE VIEW SCALE 1:300



PLAN SCALE 1:300

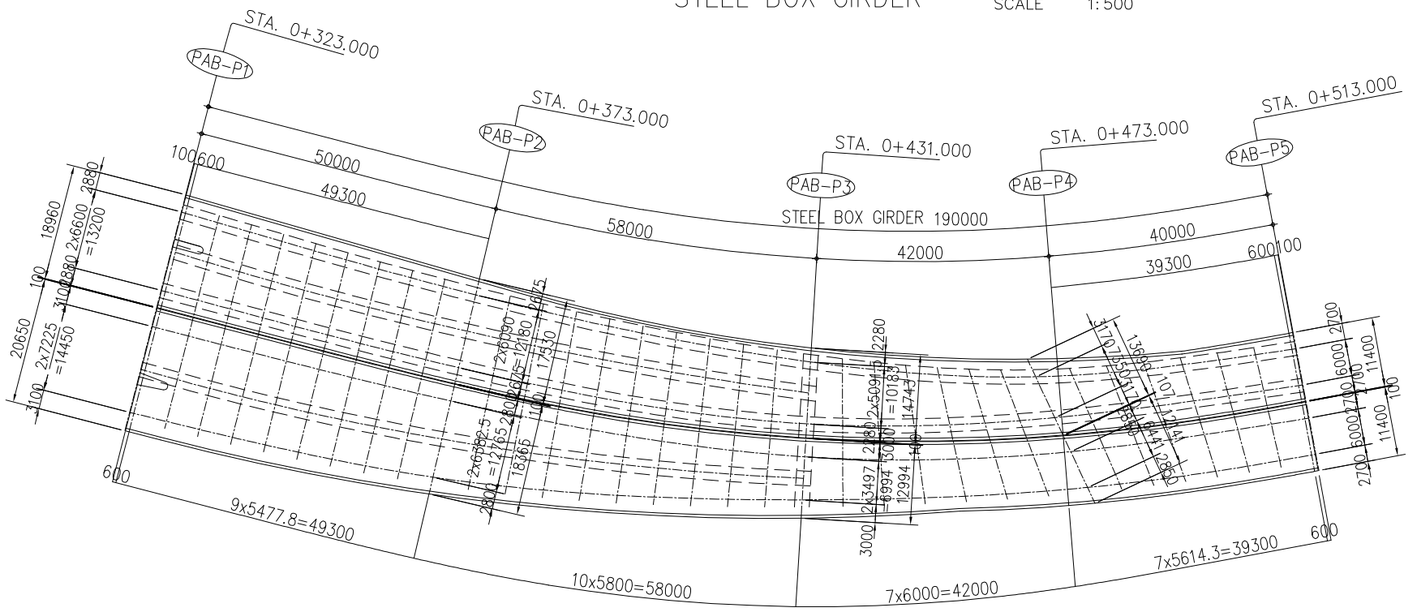


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING MAIN LINE PC BOX GIRDER MBP21-ABUTA	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-26

No	REVISION	DATE

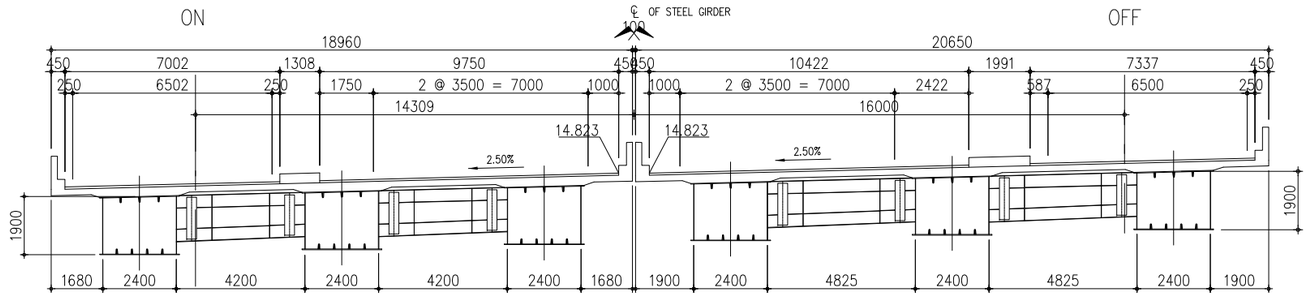
SIDE VIEW (PABP1–PABP5)
STEEL BOX GIRDER

SCALE 1:500



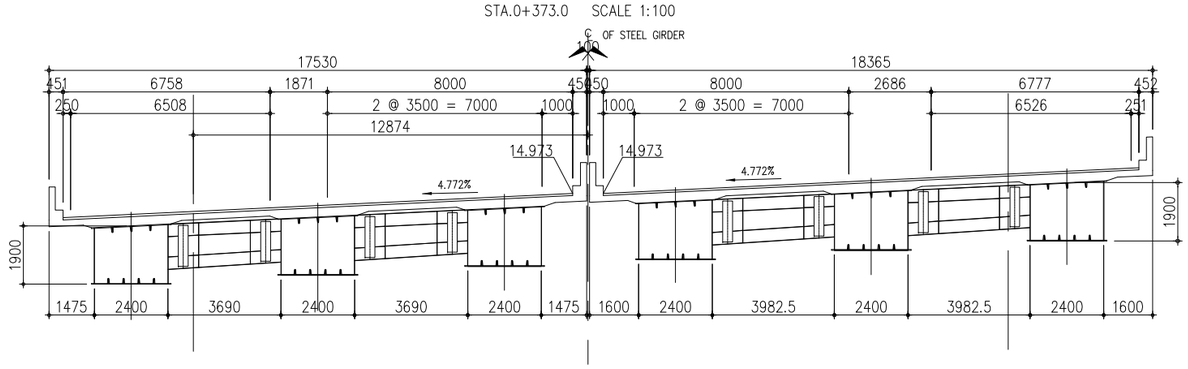
PAB–P1

STA.0+323.0 SCALE 1:100



PAB–P2

STA.0+373.0 SCALE 1:100

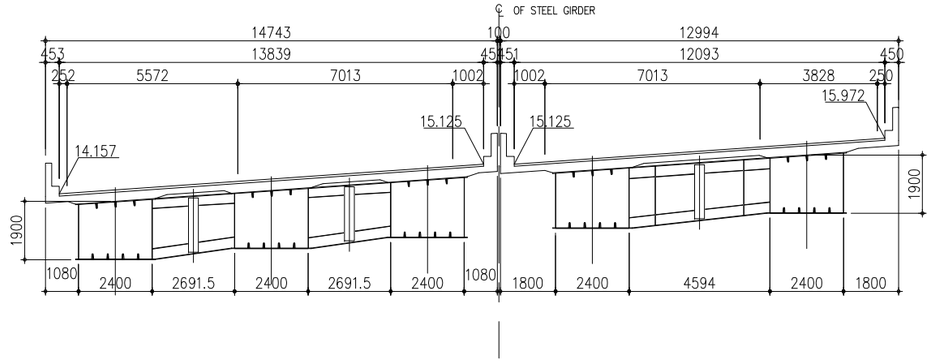


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP1-PABP5(1/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-27

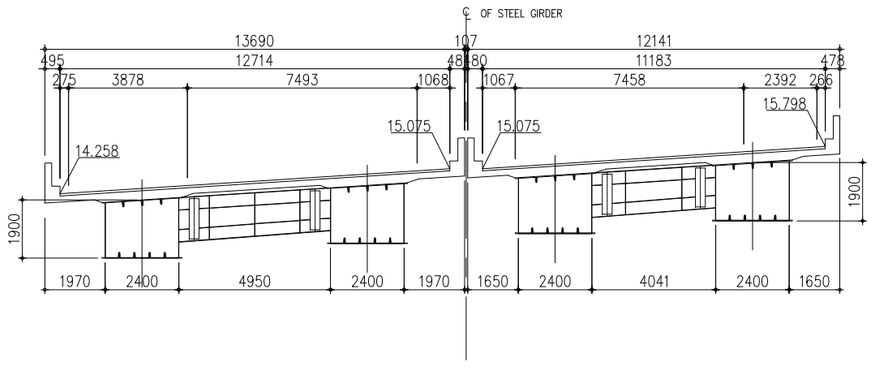
SIDE VIEW (PABP1–PABP5)
STEEL BOX GIRDER

SCALE 1:500

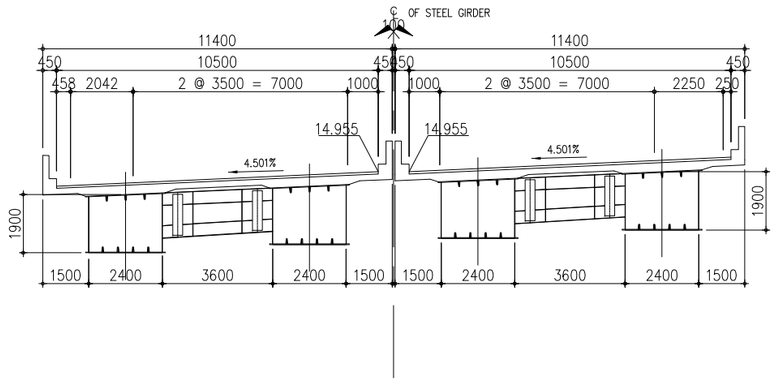
PAB–P3
STA.0+431.0 SCALE 1:100



PAB–P4
STA.0+473.0 SCALE 1:100



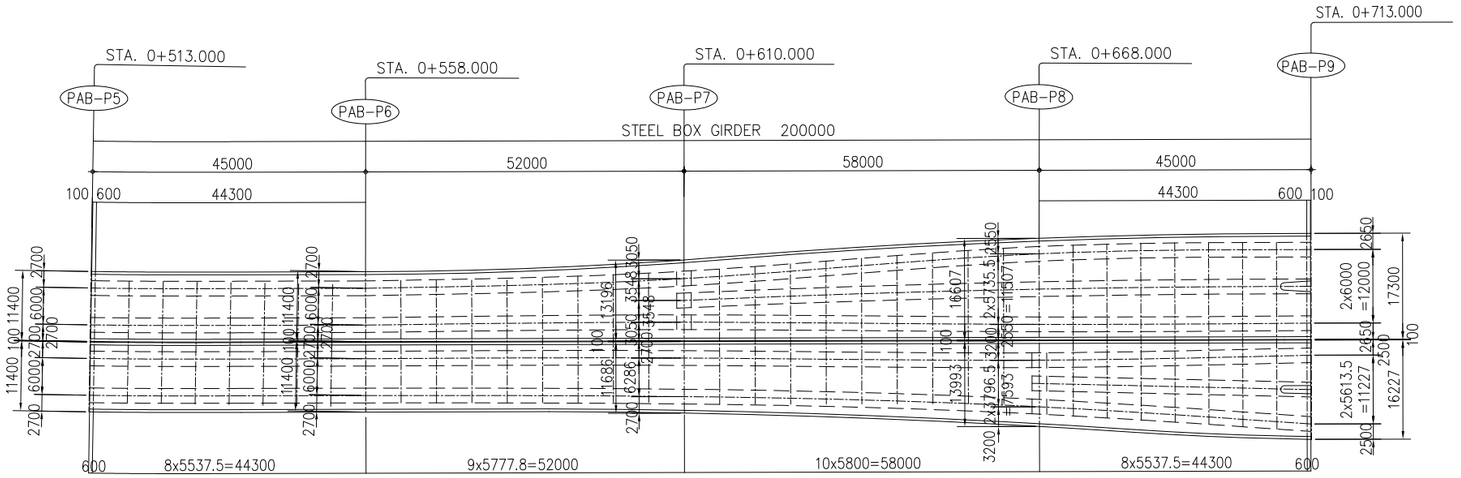
PAB–P5
STA.0+513.0 SCALE 1:100



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP1-PABP5(2/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-28

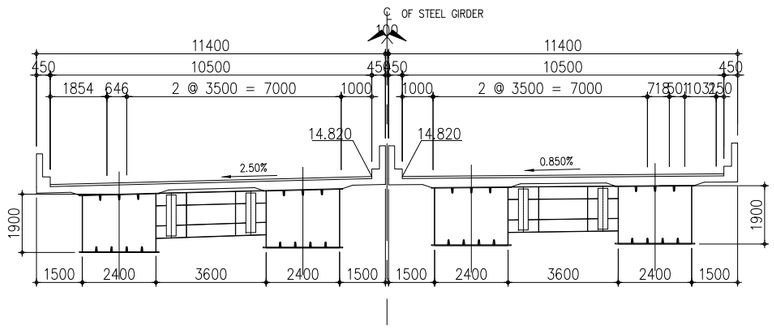
SIDE VIEW (PABP1–PABP5)
STEEL BOX GIRDER

SCALE 1:500



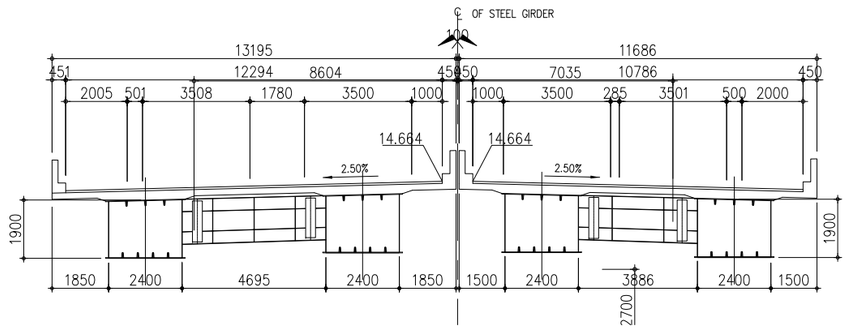
PAB–P6 SCALE 1:100

STA.0+513.0



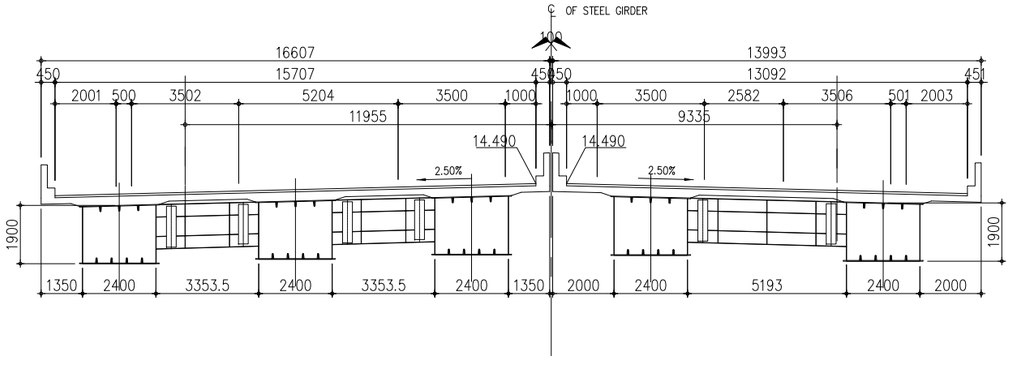
PAB–P7 SCALE 1:100

STA.0+610.0



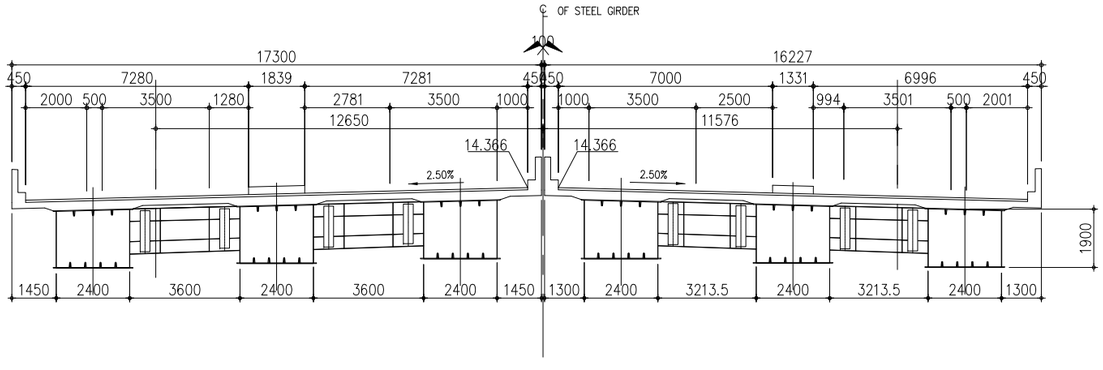
PAB–P8 SCALE 1:100

STA.0+668.0



PAB–P9 SCALE 1:100

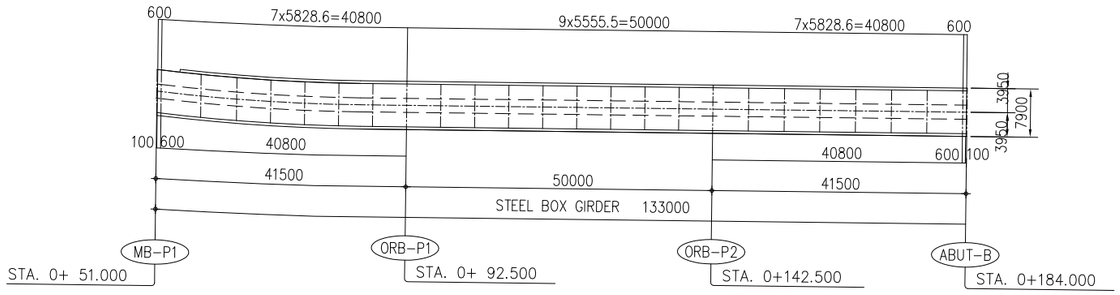
STA.0+713.0



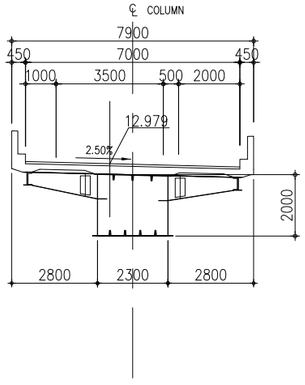
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP5-PABP9	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-29

SIDE VIEW (MBP1–ABUTB)
STEEL BOX GIRDER

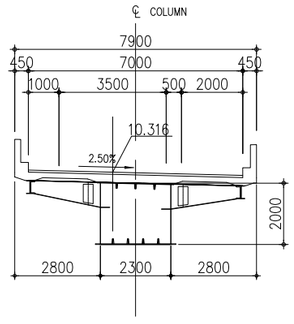
SCALE 1: 500



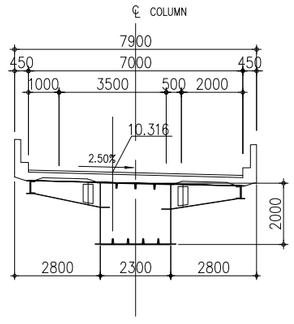
ORB–P1 SCALE 1:100
STA.0+ 92.50



ORB–P2 SCALE 1:100
STA.0+142.50



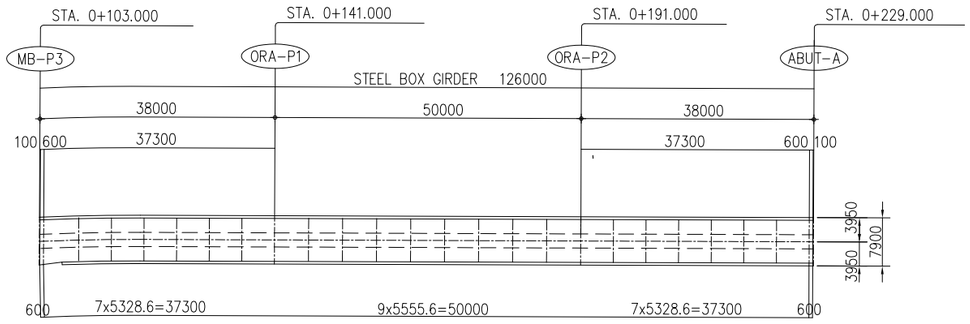
ORB–P2 SCALE 1:100
STA.0+142.50



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
			CHECKED BY:
		SUPERSTRUCTURE GENERAL DRAWING ORUGODAWATTA ON RAMP STEEL BOX GIRDER ORBP1-ABUTB	APPROVED BY:
	No REVISION DATE		DWG. NO. B-30

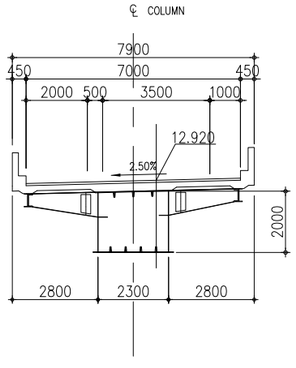
SIDE VIEW (MBP3-ABUTA)
STEEL BOX GIRDER

SCALE 1:500



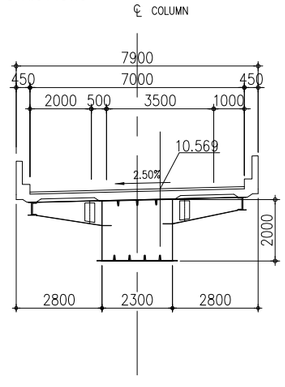
ORA-P1 SCALE 1:100

STA.0+141.0



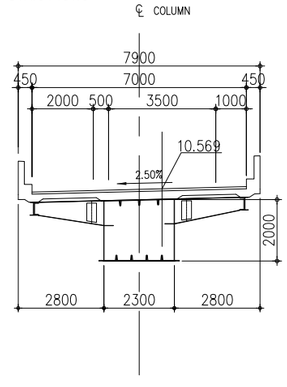
ORA-P2 SCALE 1:100

STA.0+191.0



ORA-P2 SCALE 1:100

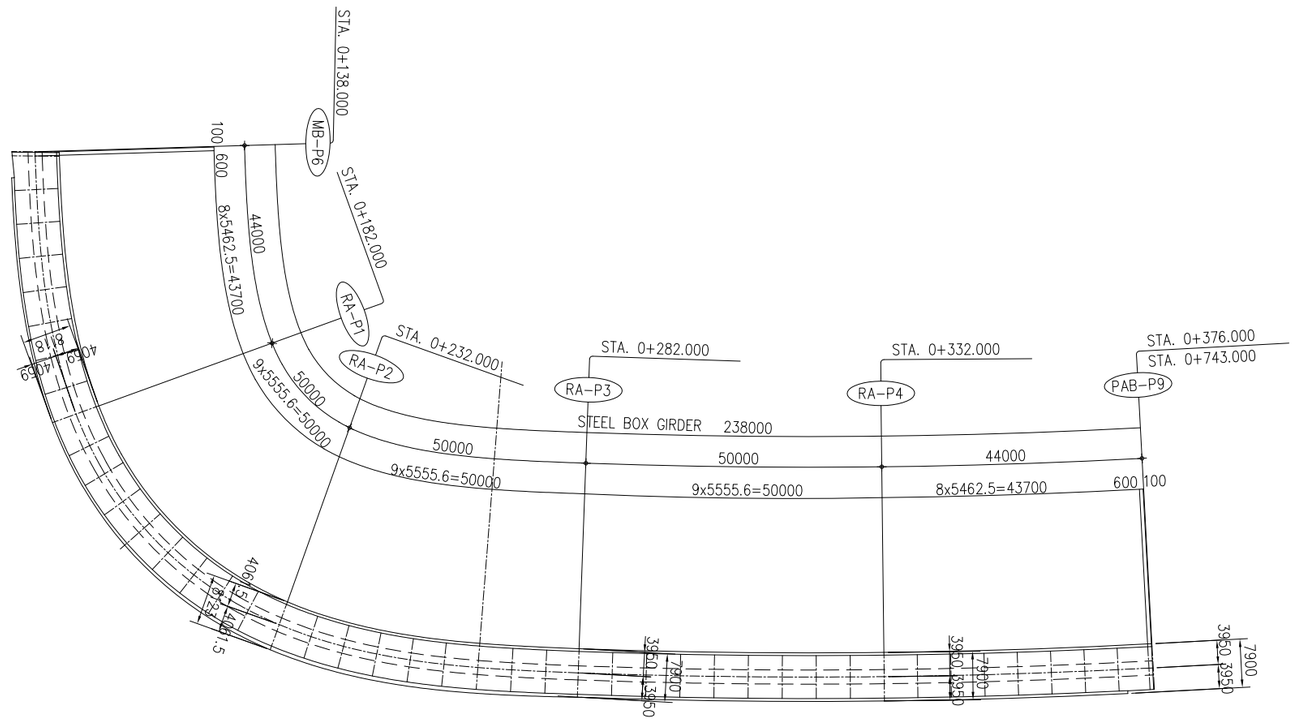
STA.0+191.0



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No / REVISION / DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING ORUGODAWATTA OFF RAMP STEEL BOX GIRDER ORAP1-ABUTA	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-31

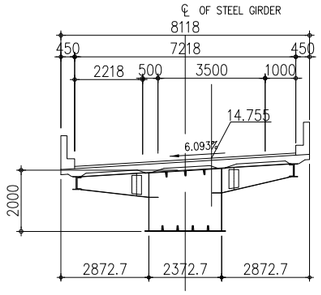
SIDE VIEW (MBP6–PABP9)
STEEL BOX GIRDER

SCALE 1:500



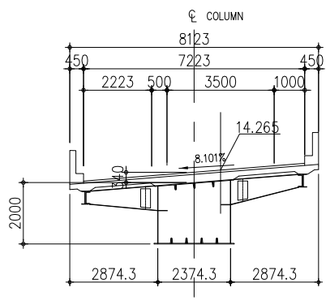
RA–P1 SCALE 1:100

STA.0+182.0



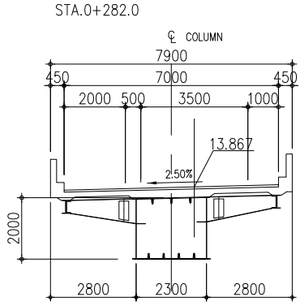
RA–P2 SCALE 1:100

STA.0+232.0



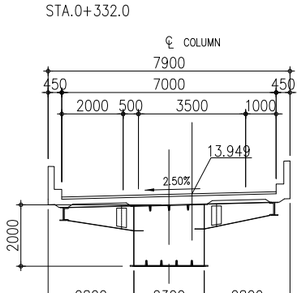
RA–P3 SCALE 1:100

STA.0+282.0



RA–P4 SCALE 1:100

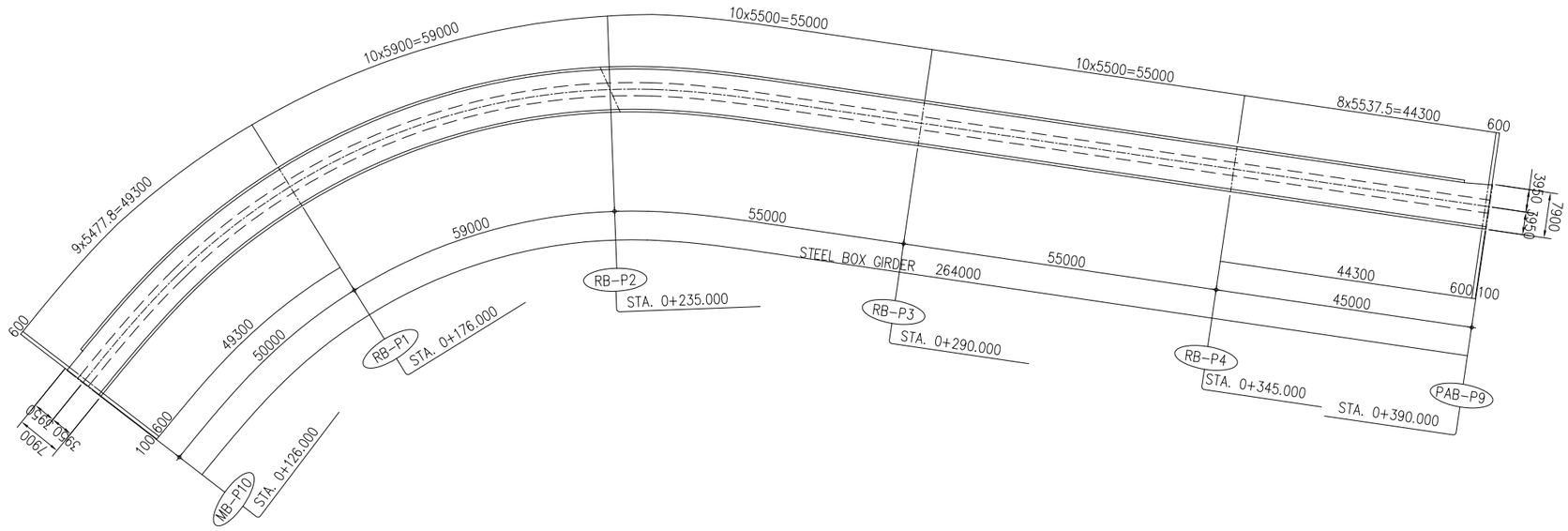
STA.0+332.0



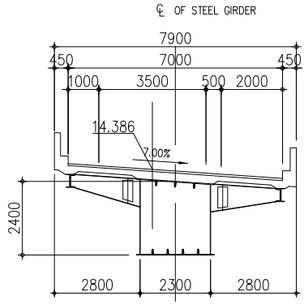
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING RAMP A STEEL BOX GIRDER RAP1-RAP4	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-32

SIDE VIEW (MBP10–PABP9)
STEEL BOX GIRDER

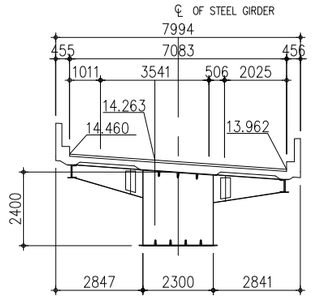
SCALE 1:500



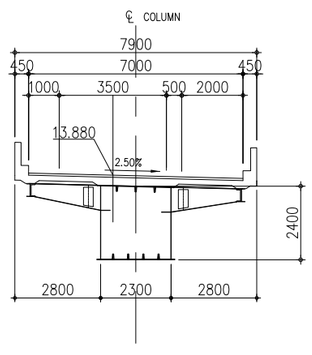
RB–P1 SCALE 1:100
STA.0+176.0



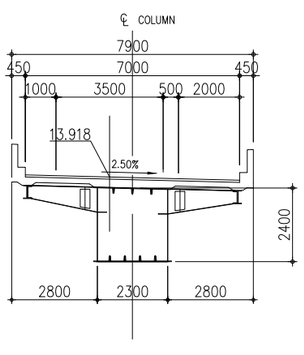
RB–P2 SCALE 1:100
STA.0+235.0



RB–P3 SCALE 1:100
STA.0+290.0



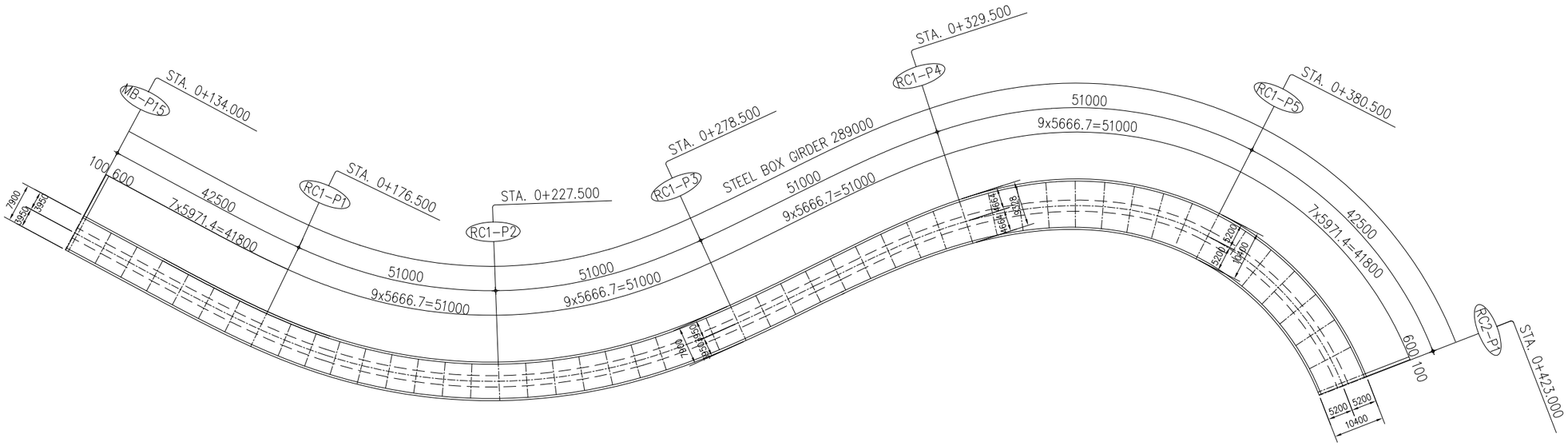
RB–P4 SCALE 1:100
STA.0+345.0



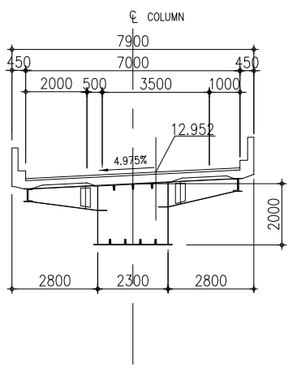
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING RAMP B STEEL BOX GIRDER RBP1-RBP4	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-33

SIDE VIEW (MBP15–RC2P1)
STEEL BOX GIRDER

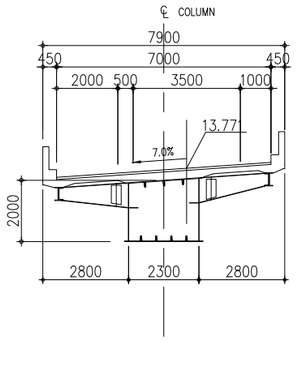
SCALE 1:500



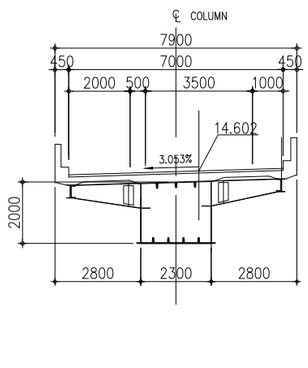
RC1–P1 SCALE 1:100
STA.0+176.5



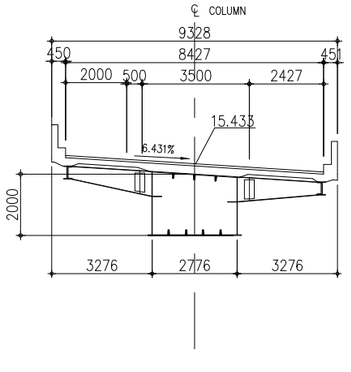
RC1–P2 SCALE 1:100
STA.0+227.5



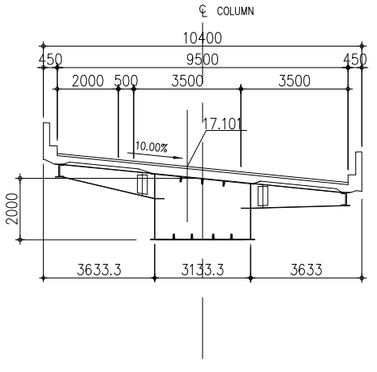
RC1–P3 SCALE 1:100
STA.0+278.5



RC1–P4 SCALE 1:100
STA.0+329.5



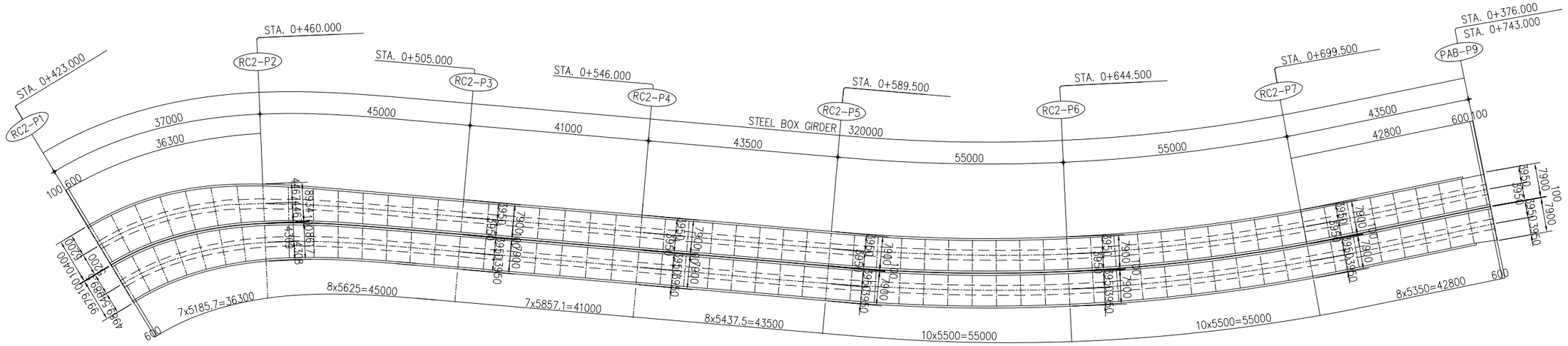
RC1–P5 SCALE 1:100
STA.0+380.5



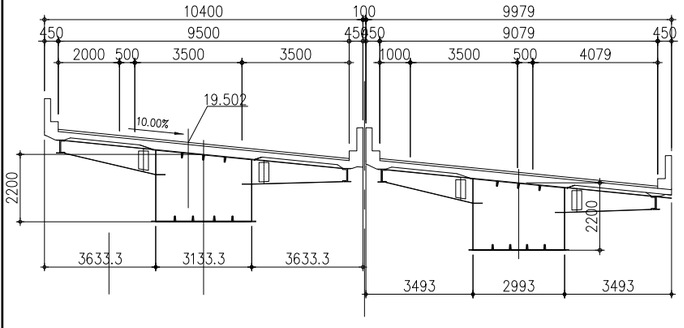
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING RAMP C1 STEEL BOX GIRDER RC1P1-RC1P5	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	 B-34

SIDE VIEW (RC2P1–PABP9)
STEEL BOX GIRDER

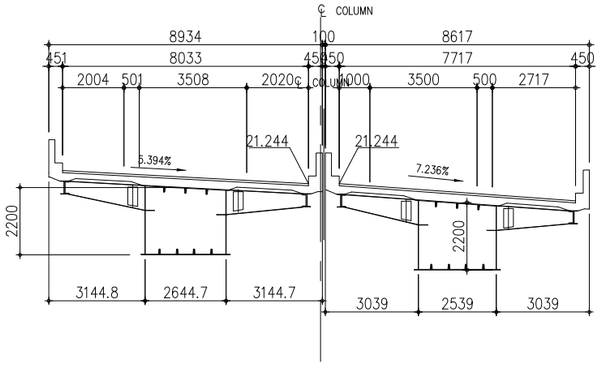
SCALE 1:500



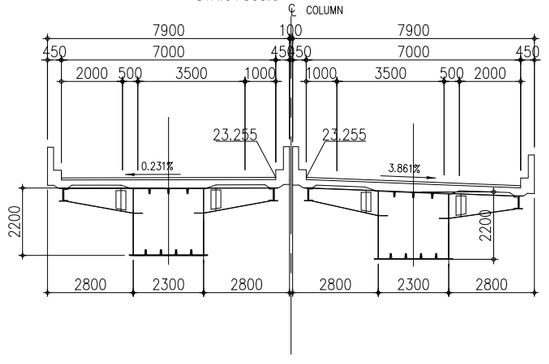
RC2–P1 SCALE 1:100
STA.0+423.0



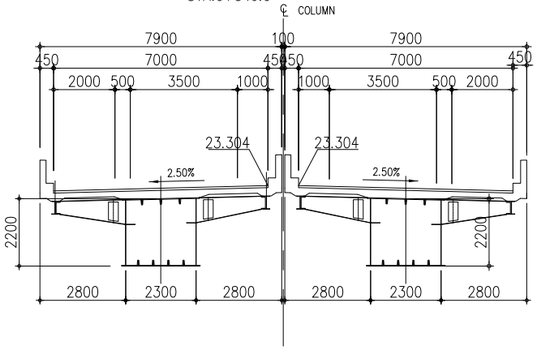
RC2–P2 SCALE 1:100
STA.0+460.0



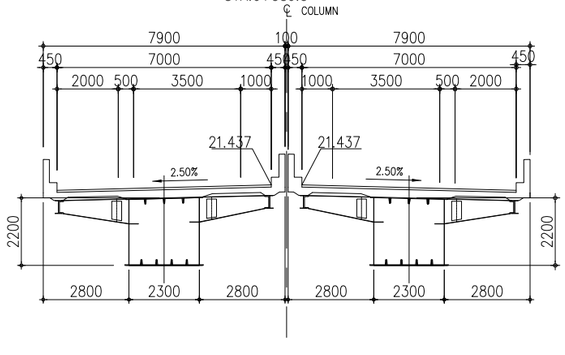
RC2–P3 SCALE 1:100
STA.0+505.0



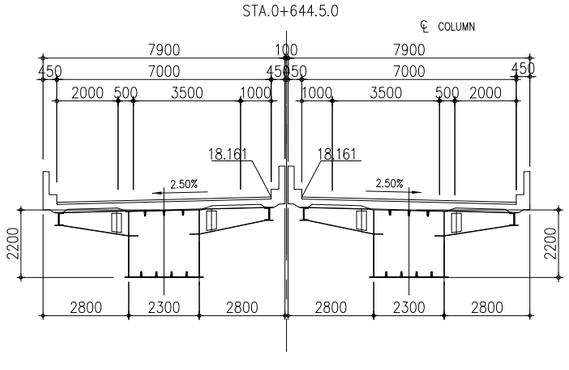
RC2–P4 SCALE 1:100
STA.0+546.0



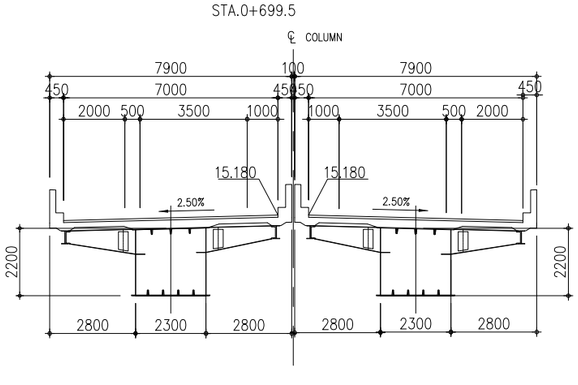
RC2–P5 SCALE 1:100
STA.0+589.5



RC2–P6 SCALE 1:100
STA.0+644.5.0



RC2–P7 SCALE 1:100
STA.0+699.5



MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

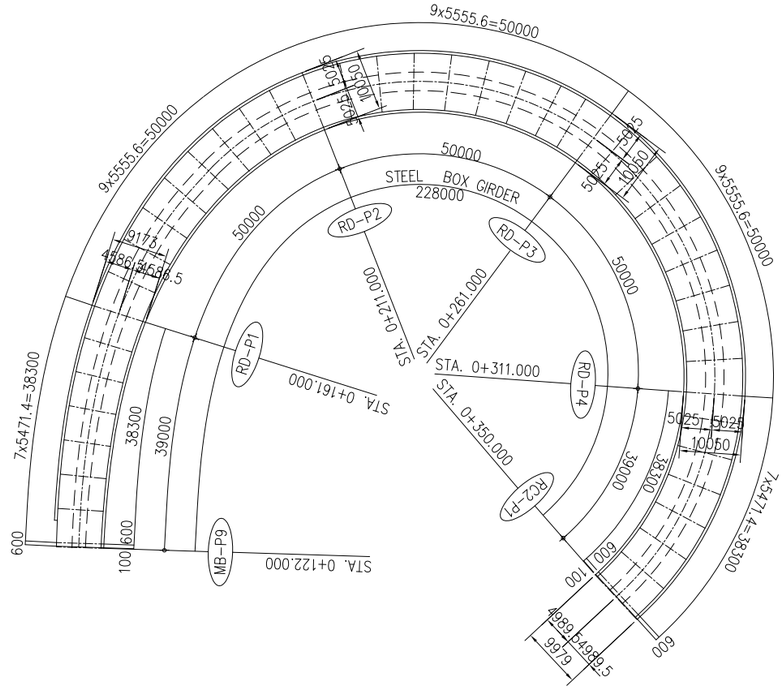
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

SUPERSTRUCTURE GENERAL DRAWING
RAMP C2 STEEL BOX GIRDER
RC2P1-RC2P7

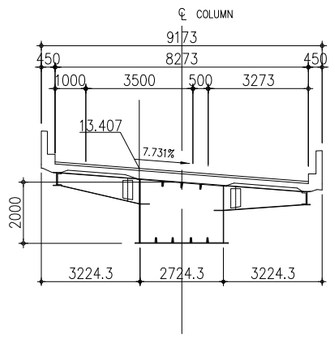
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-35

SIDE VIEW (MBP9-RC2P1)
STEEL BOX GIRDER

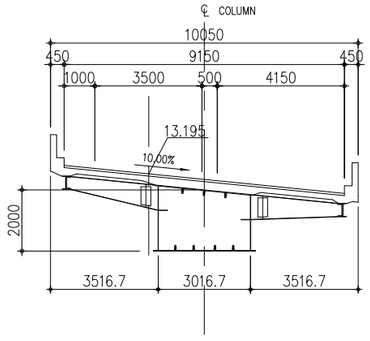
SCALE 1:500



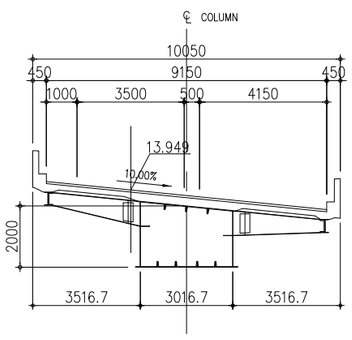
RD-P1 SCALE 1:100
STA.0+161.0



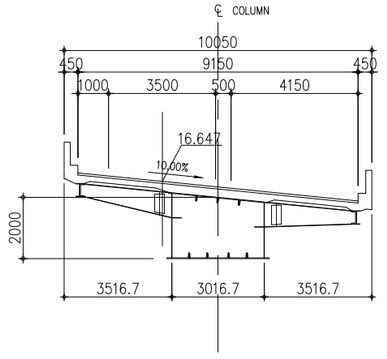
RD-P2 SCALE 1:100
STA.0+211.0



RD-P3 SCALE 1:100
STA.0+261.0



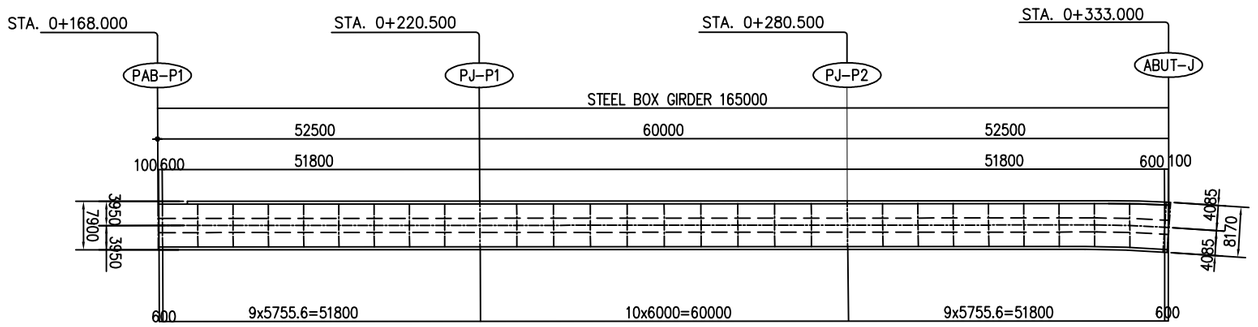
RD-P4 SCALE 1:100
STA.0+311.0



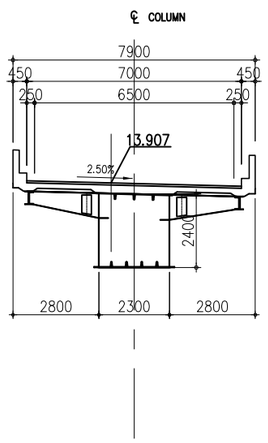
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING RAMP D STEEL BOX GIRDER RDP1-RDP4	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	 B-36

SIDE VIEW (PABP1–ABUTJ)
STEEL BOX GIRDER

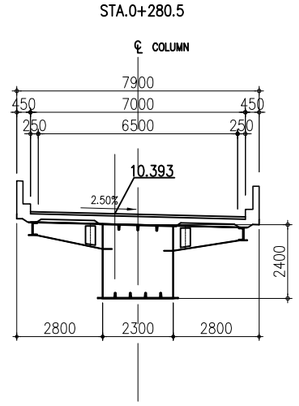
SCALE 1:500



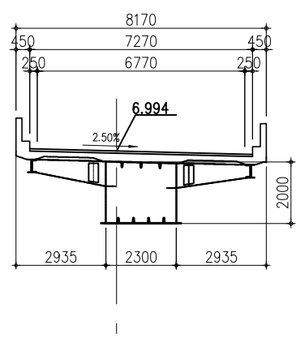
PJ–P1 SCALE 1:100
STA.0+220.5



PJ–P2 SCALE 1:100
STA.0+280.5

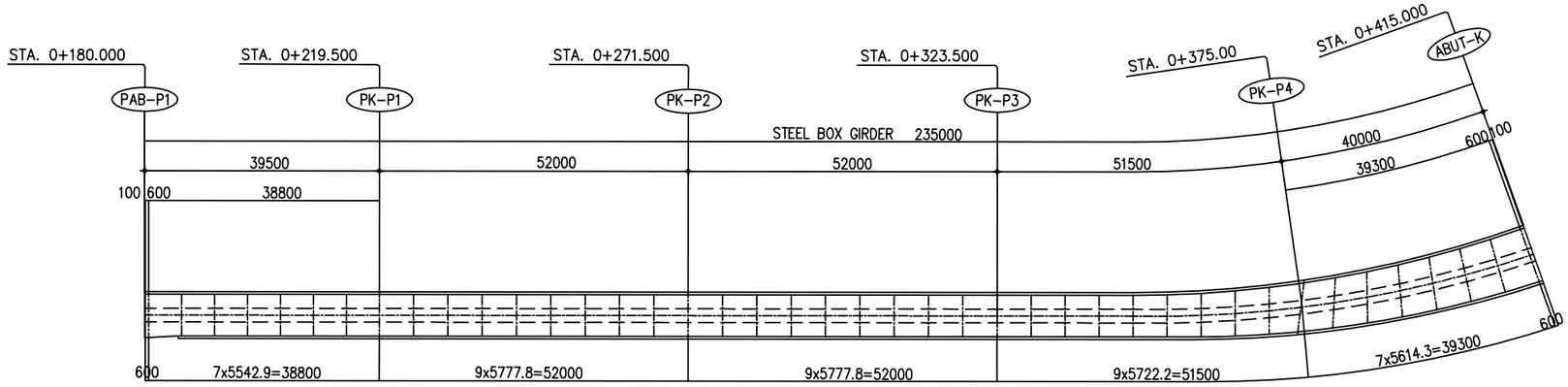


PJ–ABUT–J SCALE 1:100
STA.0+333.0

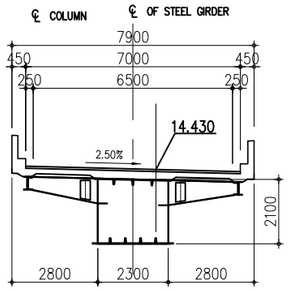


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING INGURUKADE ON RAMP STEEL BOX GIRDER PJP1-ABUTJ	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-37

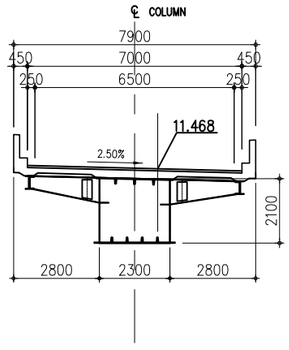
SIDE VIEW (PABP1–ABUTK)
STEEL BOX GIRDER SCALE 1:500



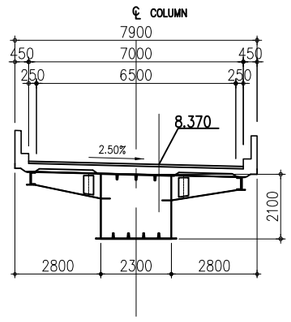
PK–P1 SCALE 1:100
STA.0+219.5



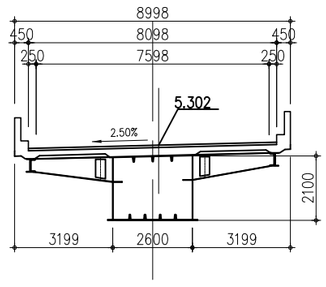
PK–P2 SCALE 1:100
STA.0+271.5



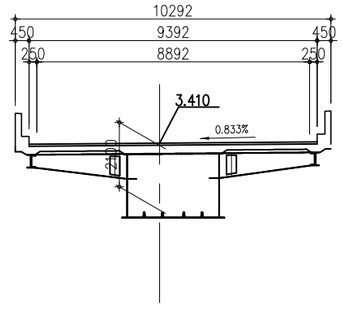
PK–P3 SCALE 1:100
STA.0+323.5



PK–P4 SCALE 1:100
STA.0+375.0



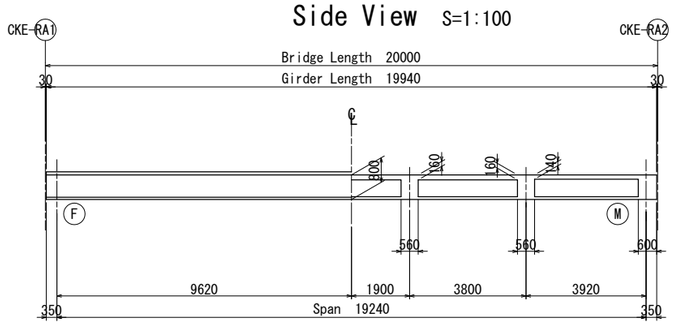
PK–ABUT–K SCALE 1:100
STA.0+333.0



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING INGURUKADE OFF RAMP STEEL BOX GIRDER PKP1-ABUTK	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-38

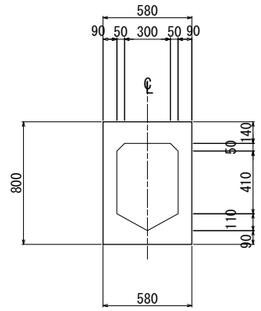
Superstructure General Drawing

Side View S=1:100

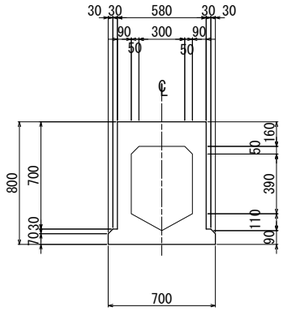


Main Girder S=1:20

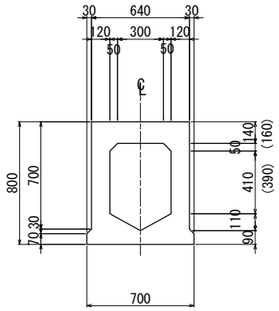
Bearing Section



Transverse Girder Section

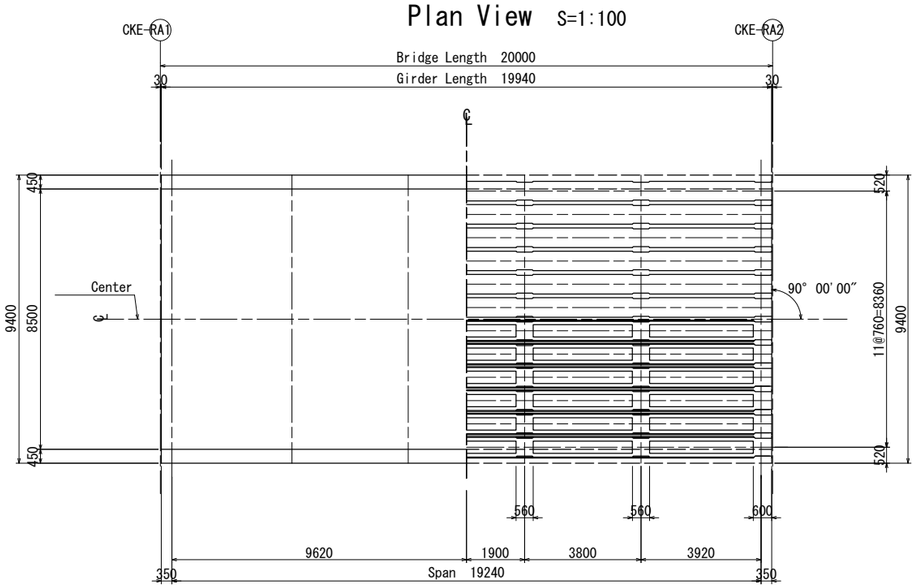


Typical Section

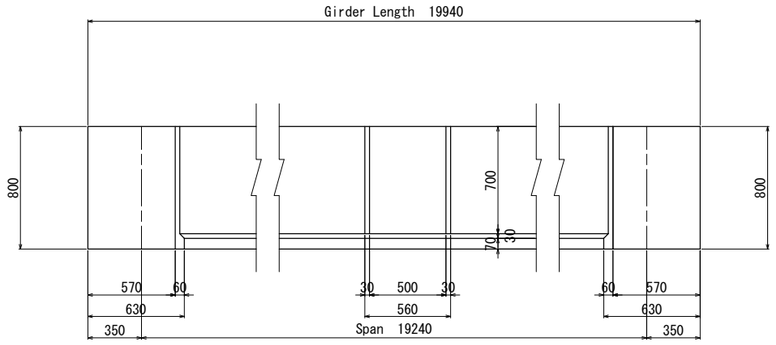


*( )Value of span centre section

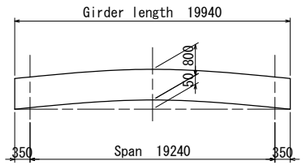
Plan View S=1:100



Transverse Girder S=1:20

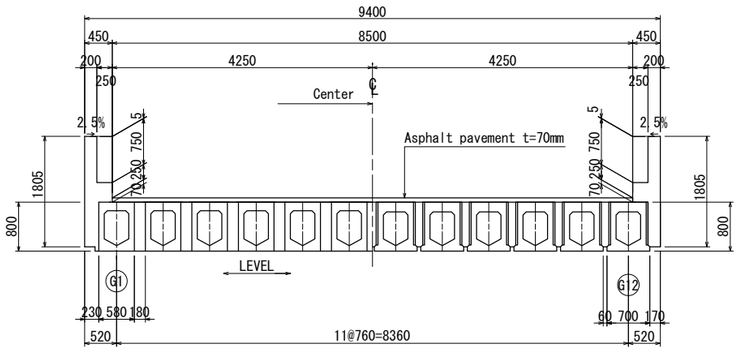


Camber



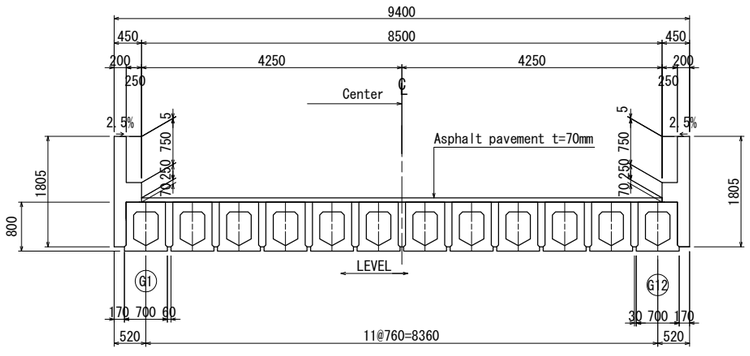
Cross Section S=1:50

Girder-end Section



Transverse Girder Section

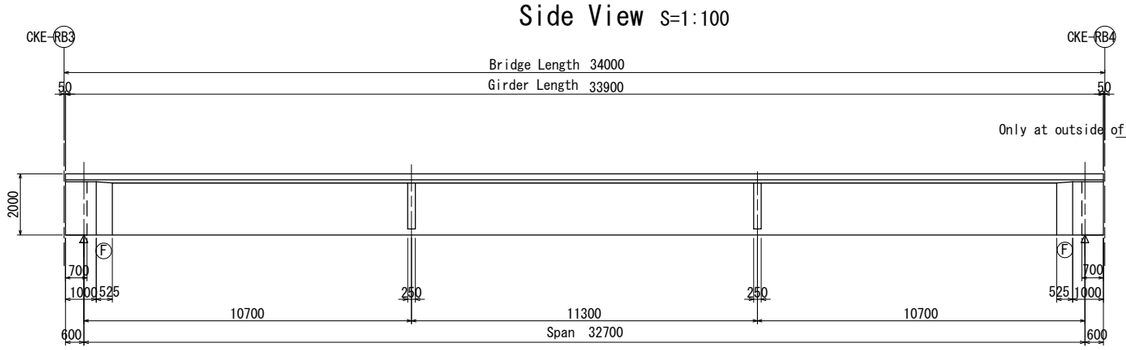
Middle Section



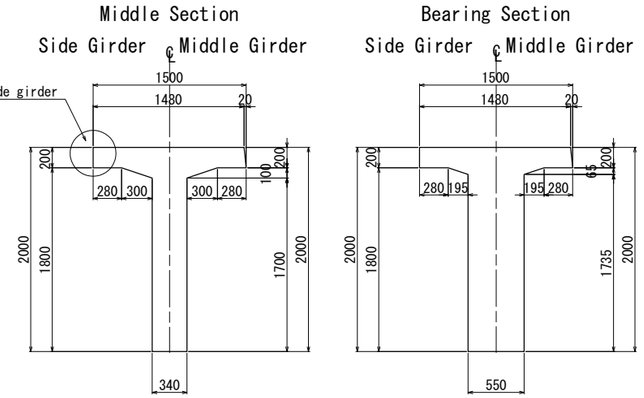
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING NEW KELANI BRIDGE A RAMP PC HOLLOW GIRDER, PC T GIRDER(1/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-39

Superstructure General Drawing

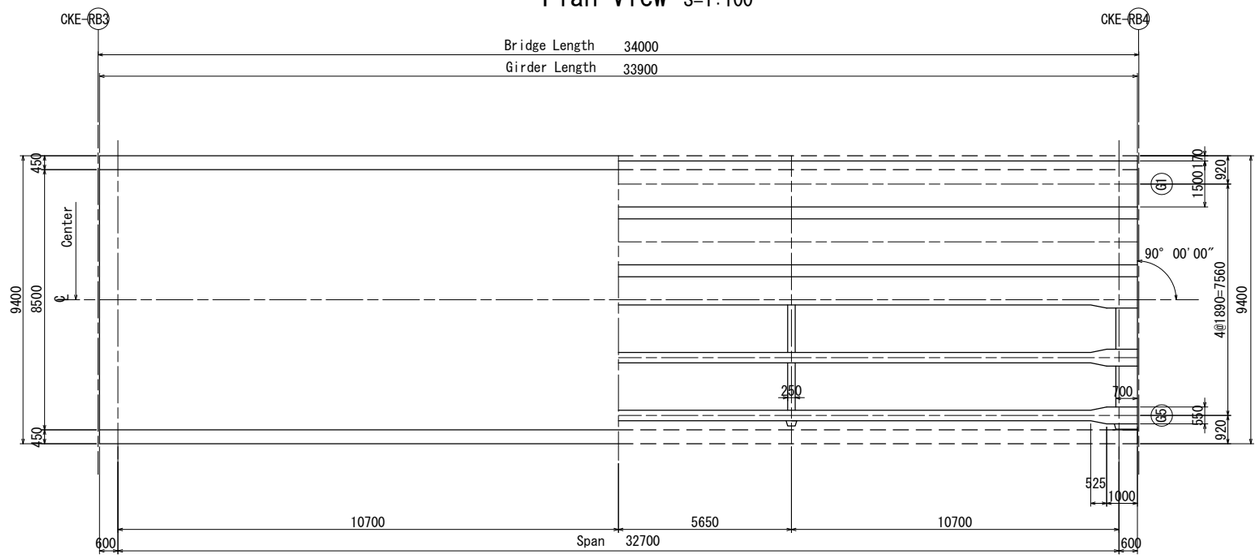
Side View S=1:100



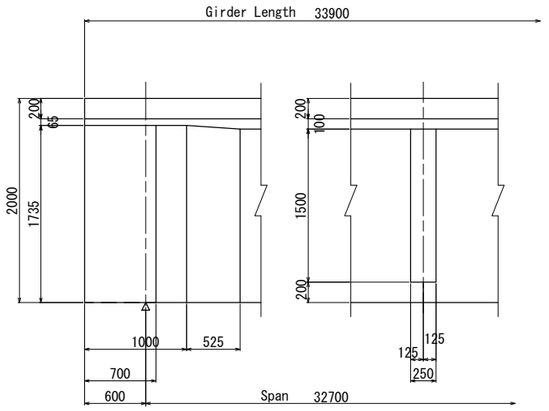
Main Girder S=1:30



Plan View S=1:100

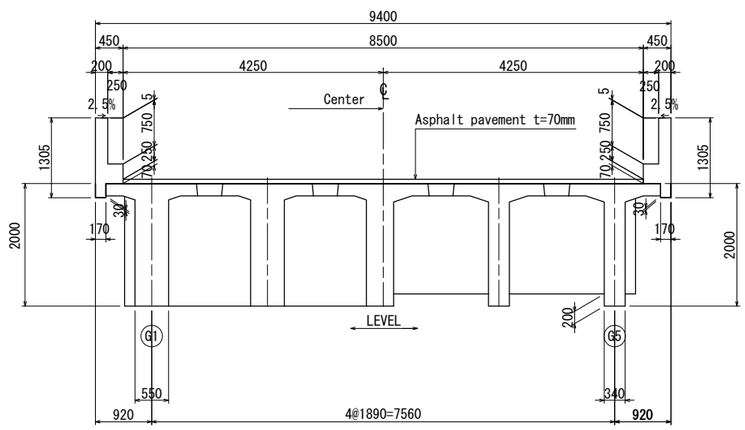


Transverse Girder S=1:30

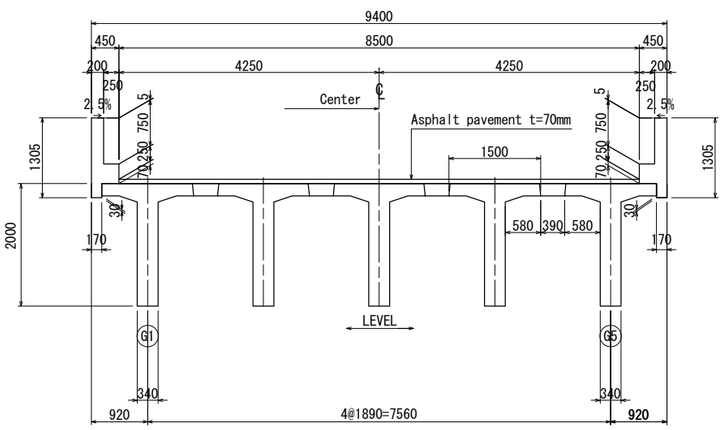


Cross Section S=1:50

End Bearing Section　　Transverse Girder Section

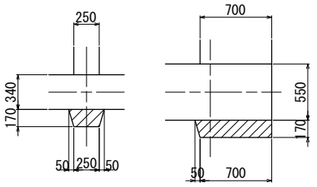


Typical Section



Diaphragm S=1:30

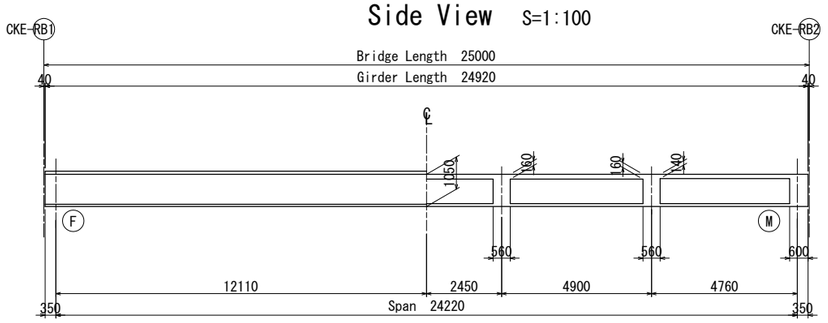
Transverse Girder Section　　End Bearing Section



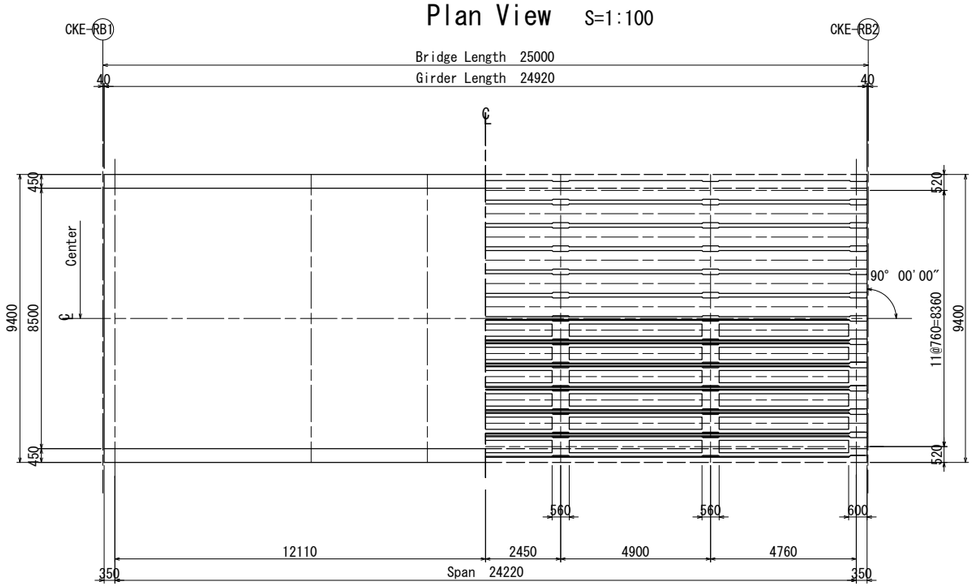
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
					CHECKED BY:
				SUPERSTRUCTURE GENERAL DRAWING NEW KELANI BRIDGE A RAMP PC HOLLOW GIRDER, PC T GIRDER(2/2)	APPROVED BY:
		No	REVISION / DATE		DWG. NO. B-40

Superstructure General Drawing

Side View S=1:100

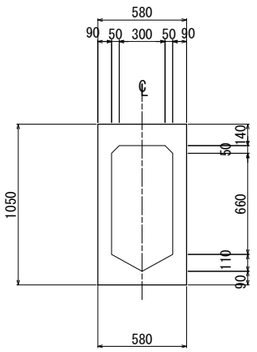


Plan View S=1:100

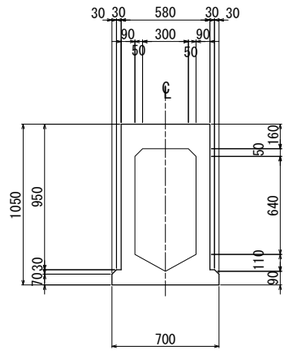


Main Girder S=1:20

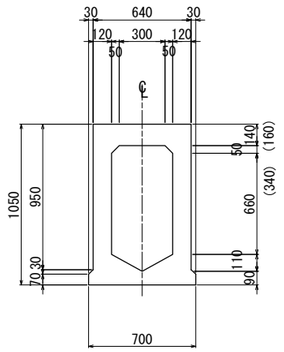
Bearing Section



Transverse Girder Section

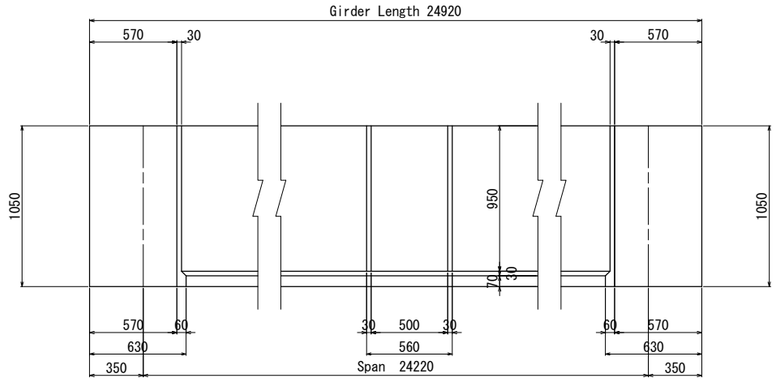


Typical Section

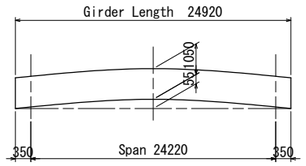


*( )Value at span centre

Transverse Girder S=1:20

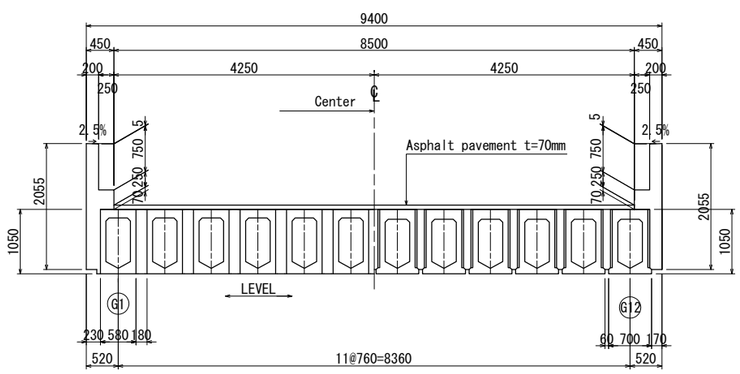


Camber



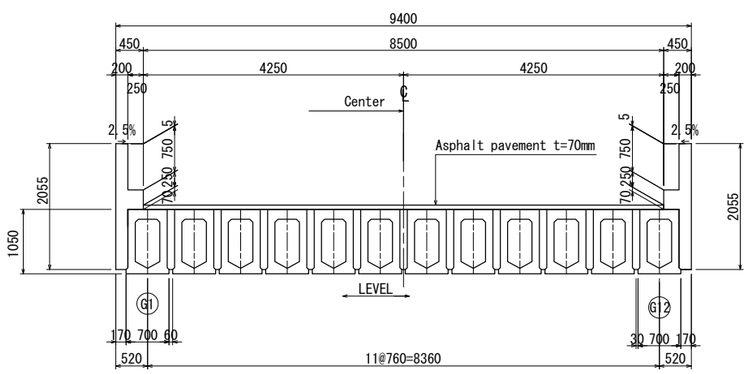
Cross Section S=1:50

Girder-end Section



Transverse Girder Section

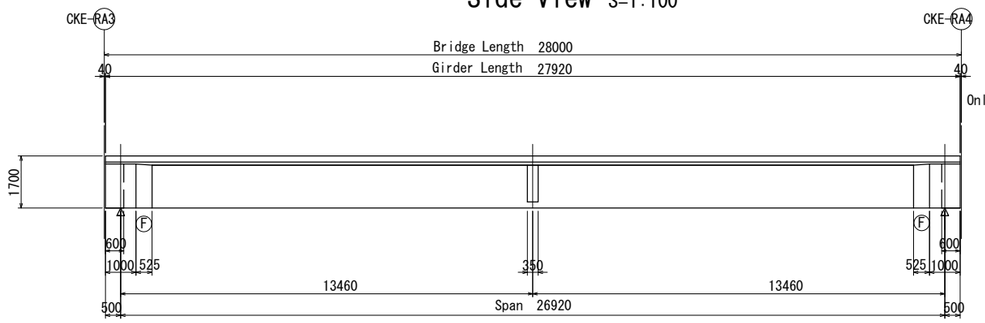
Midde Section



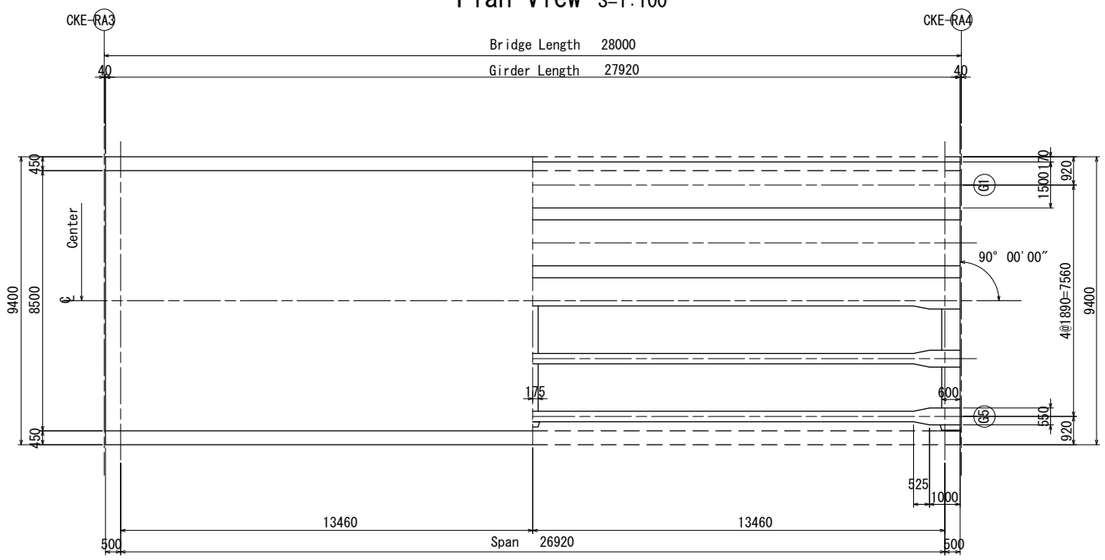
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					SUPERSTRUCTURE GENERAL DRAWING NEW KELANI BRIDGE B RAMP PC HOLLOW GIRDER, PC T GIRDER(1/2)	APPROVED BY:	
		No	REVISION	DATE		DWG. NO.	B-41

Superstructure General Drawing

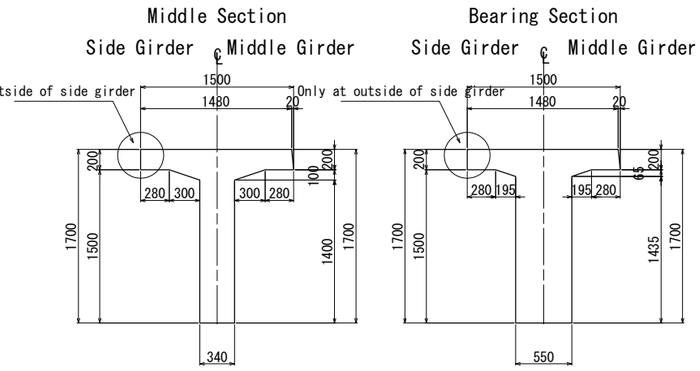
Side View S=1:100



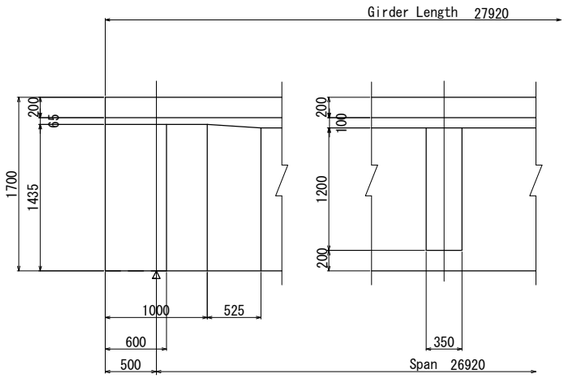
Plan View S=1:100



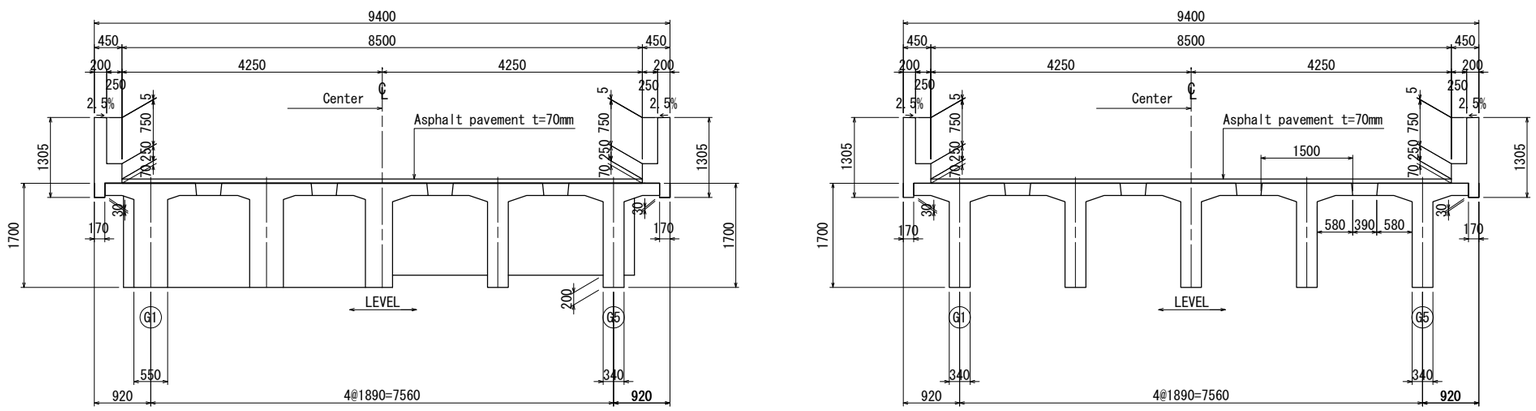
Main Girder S=1:30



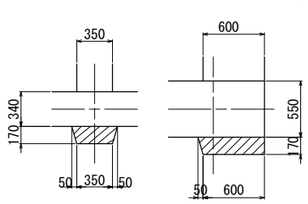
Transverse Girder S=1:30



Cross Section S=1:50

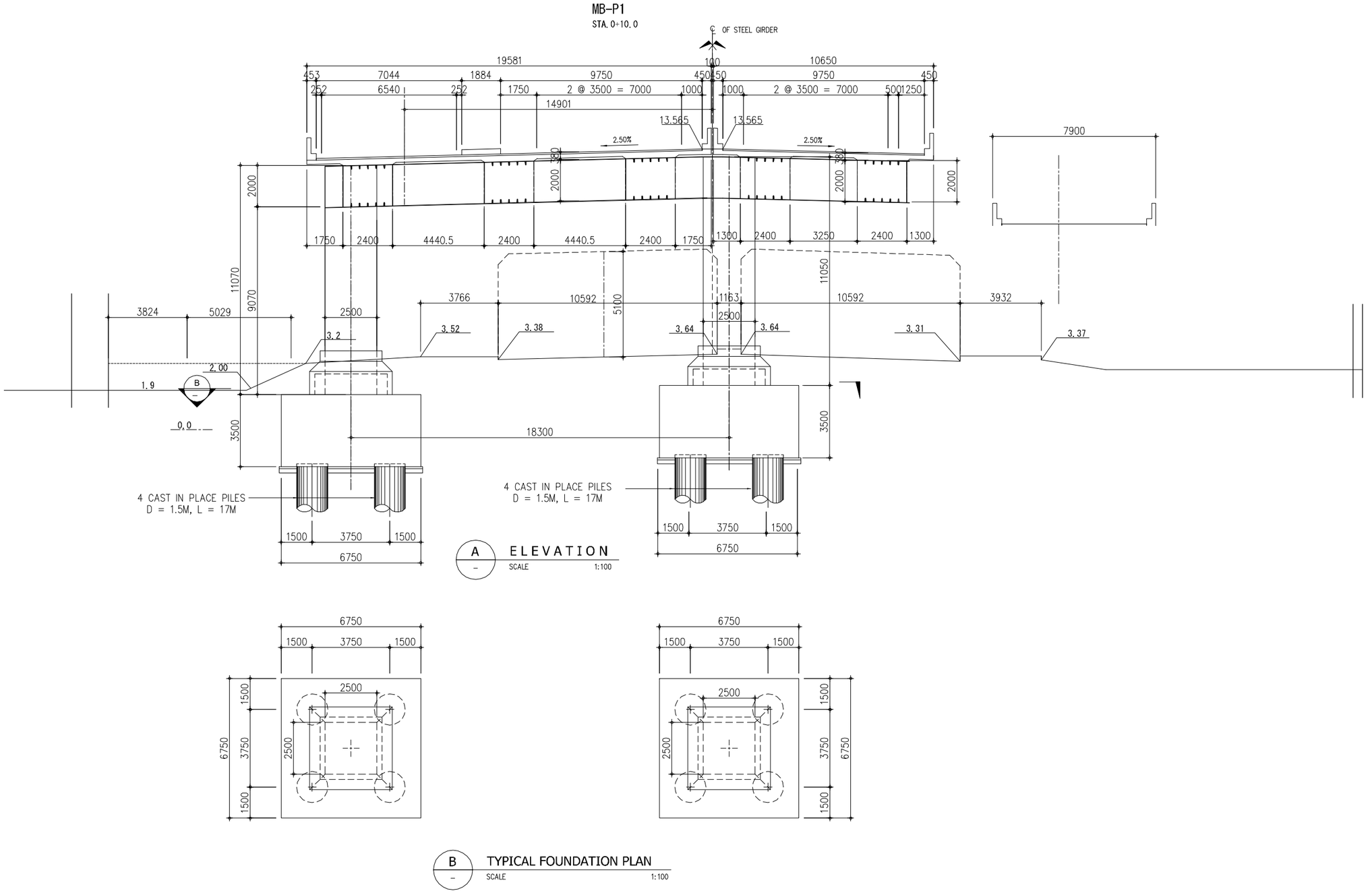


Diaphragm S=1:30



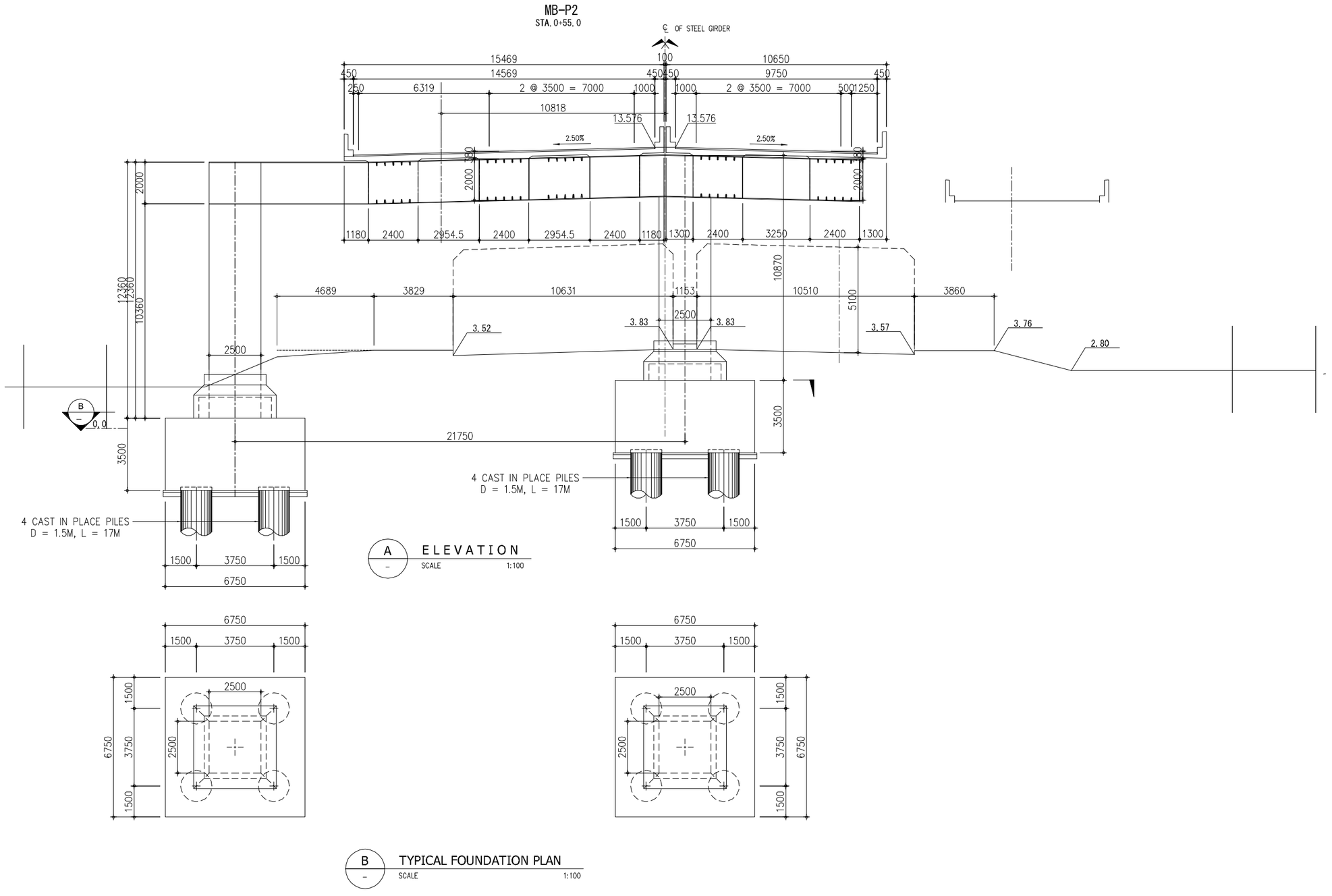
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING NEW KELANI BRIDGE A RAMP PC HOLLOW GIRDER, PC T GIRDER(2/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-42

SUBSTRUCTURE GENERAL DRAWING
MB-P1



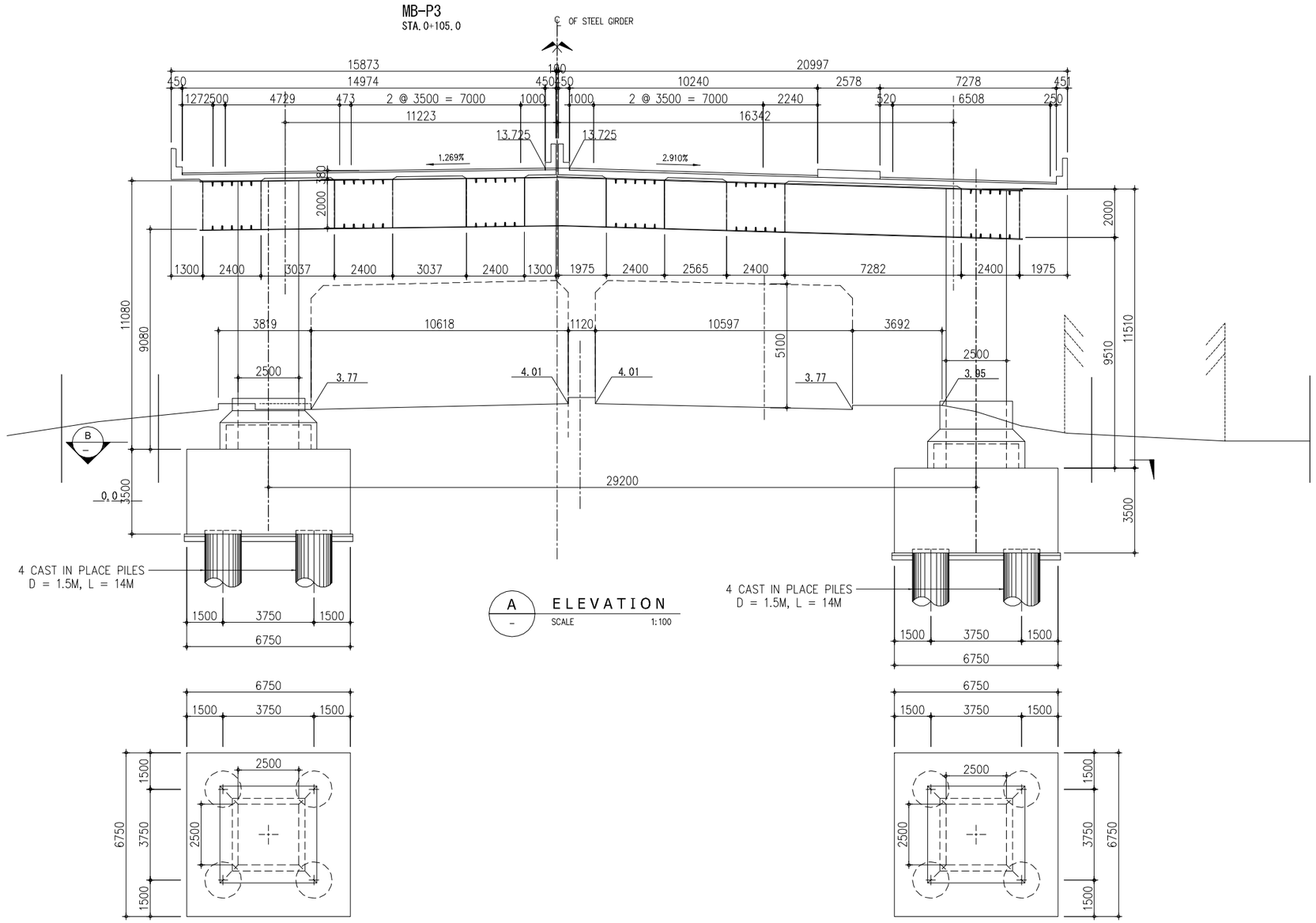
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP1-MBP6(1/6)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-43

SUBSTRUCTURE GENERAL DRAWING
MB-P2



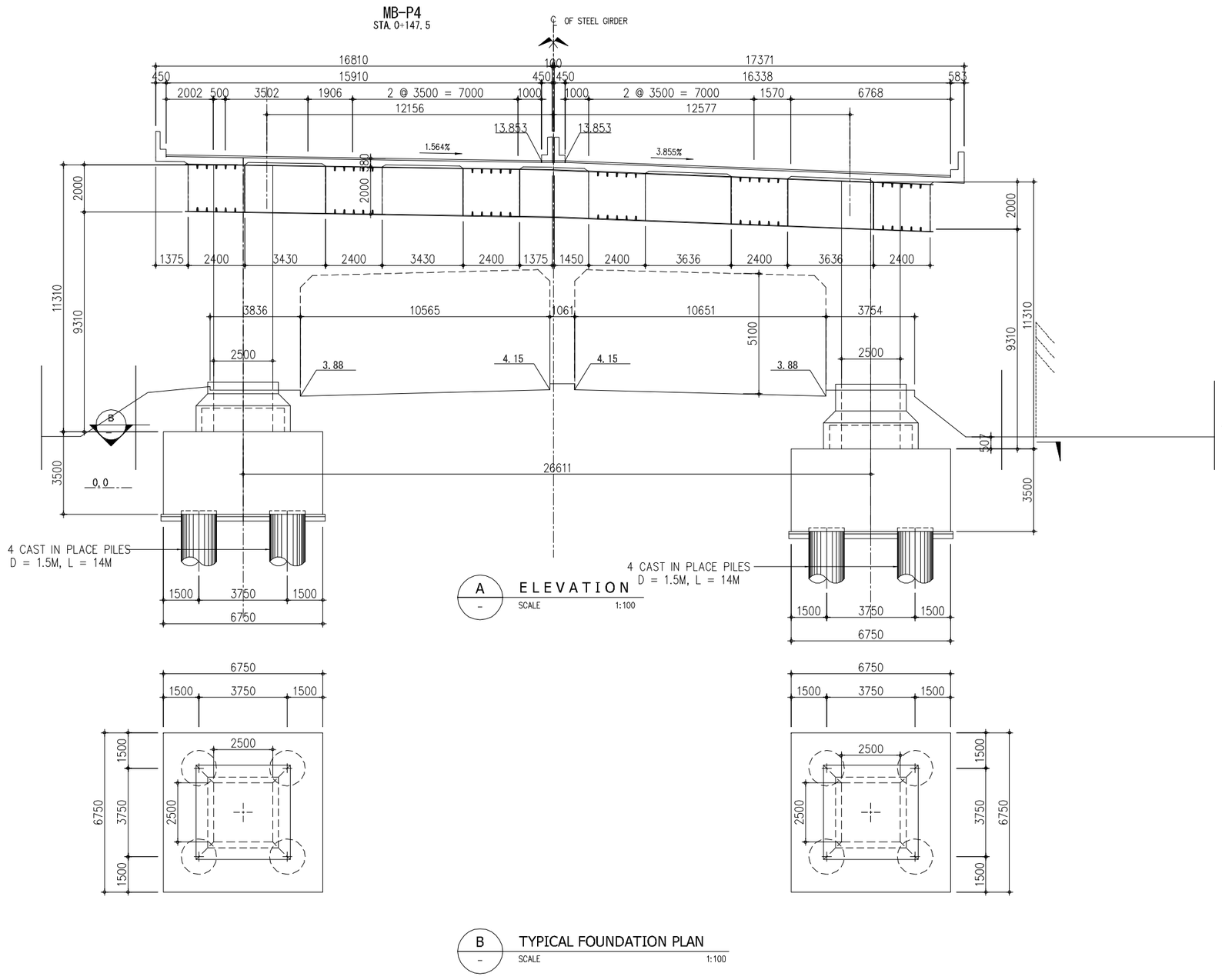
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP1-MBP6(2/6)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-44

SUBSTRUCTURE GENERAL DRAWING
MB-P3



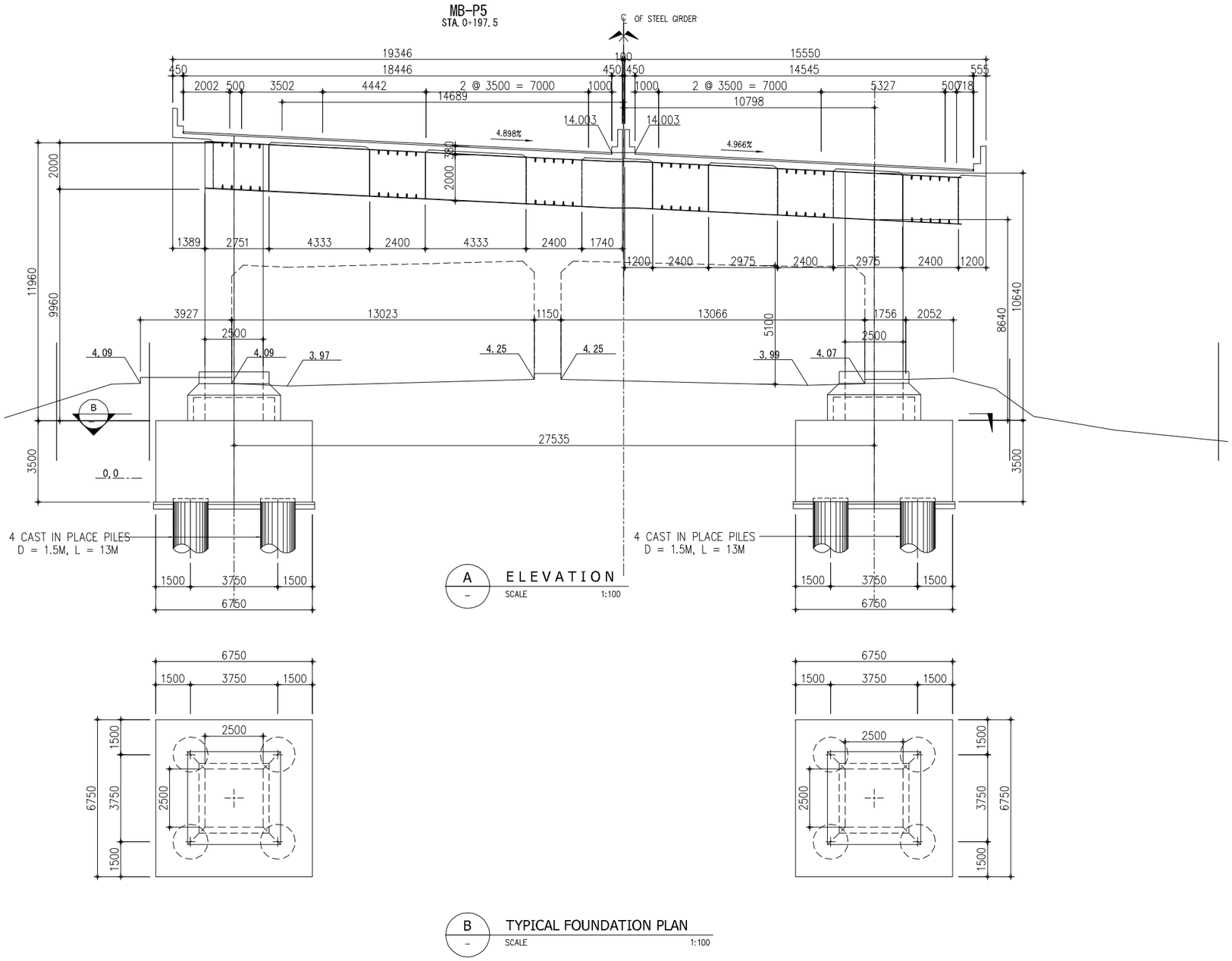
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP1-MBP6(3/6)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-45

SUBSTRUCTURE GENERAL DRAWING
MB-P4



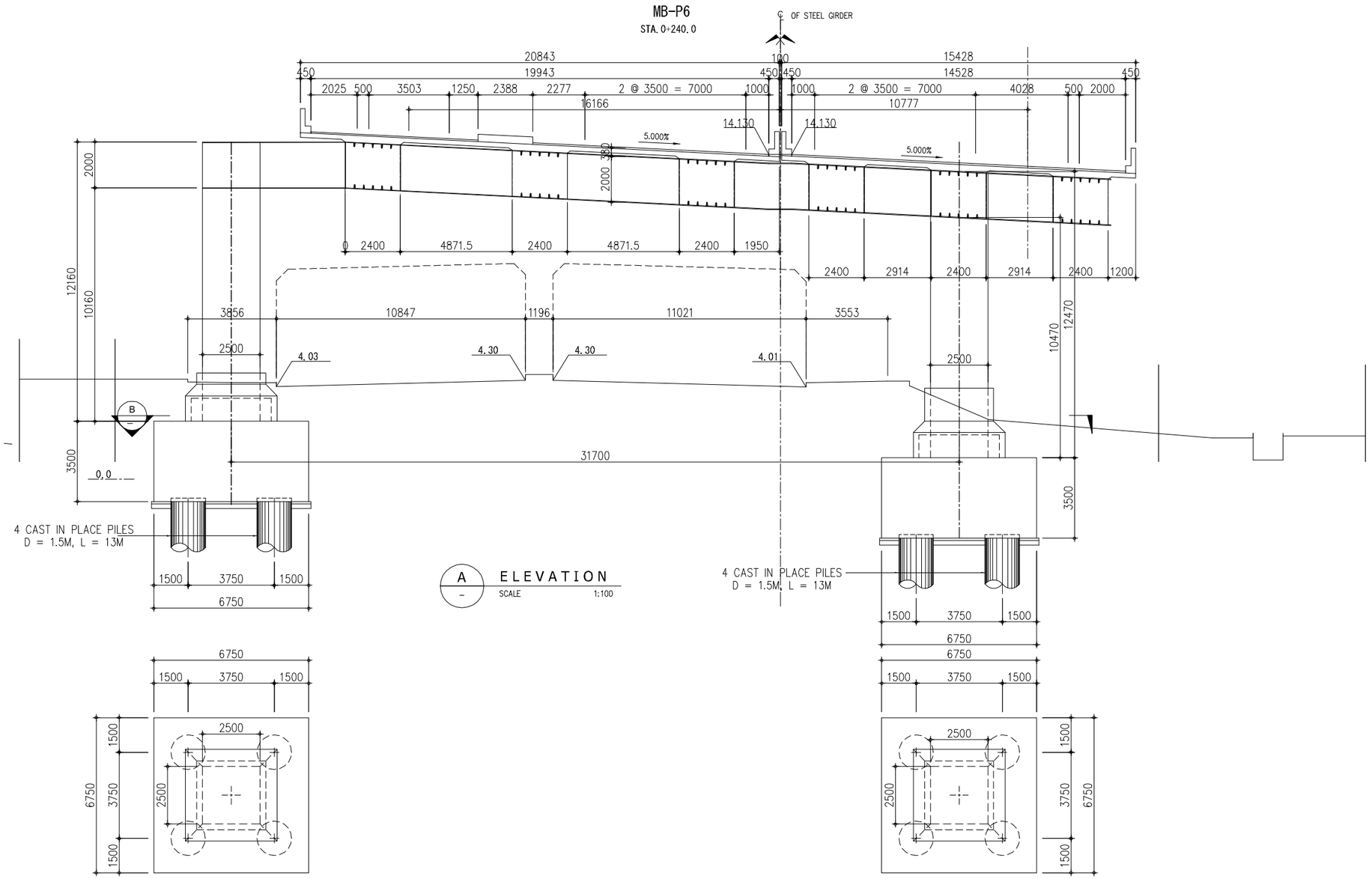
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP1-MBP6(4/6)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-46

SUBSTRUCTURE GENERAL DRAWING
MB-P5



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP1-MBP6(5/6)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-47

SUBSTRUCTURE GENERAL DRAWING
MB-P6



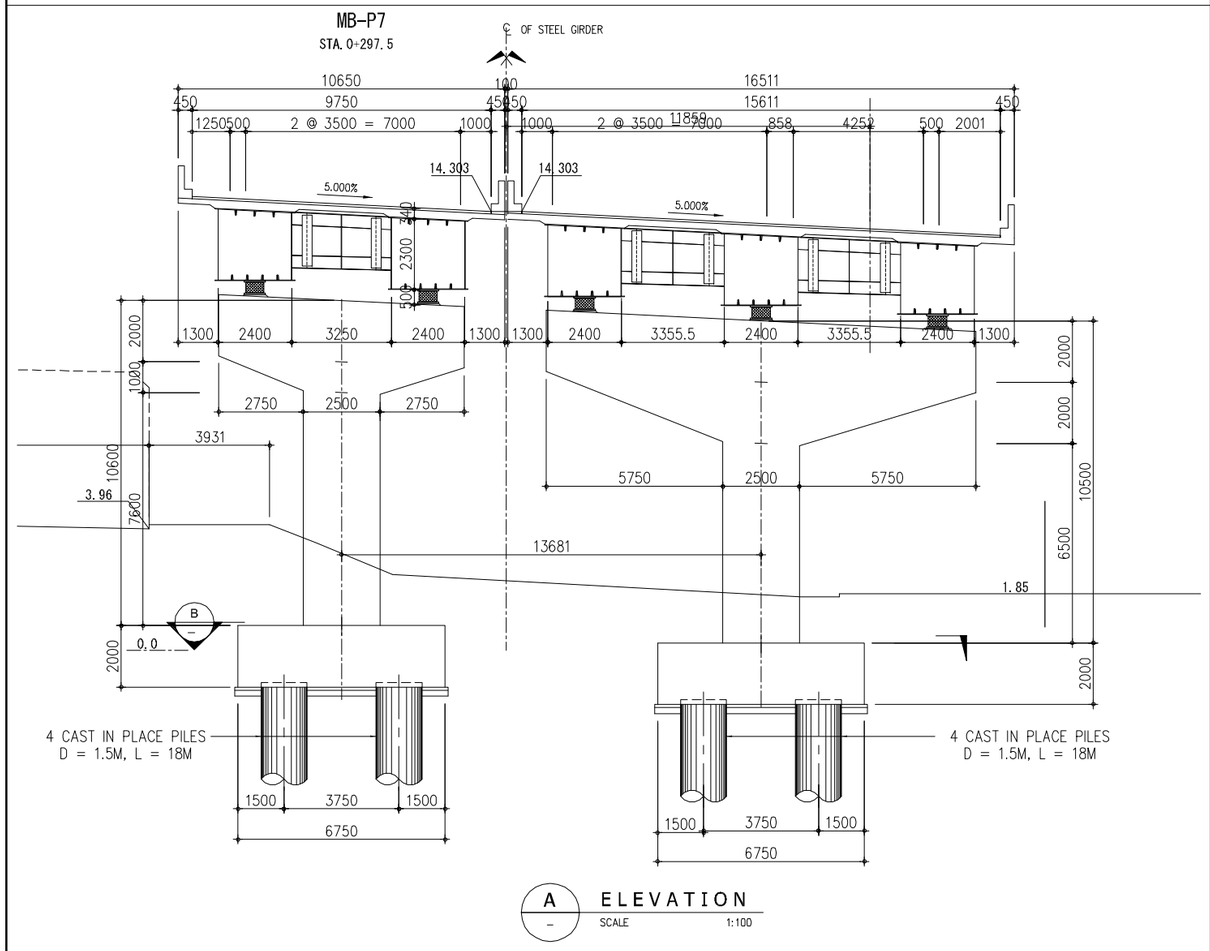
A – ELEVATION
SCALE 1:100

B – TYPICAL FOUNDATION PLAN
SCALE 1:100

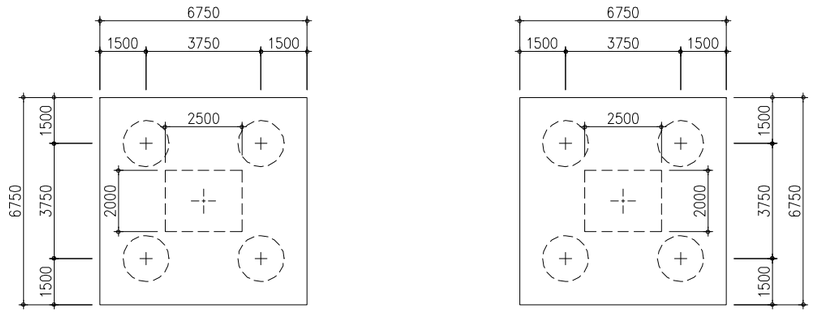
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP1-MBP6(6/6)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	 B-48

SUBSTRUCTURE GENERAL DRAWING

MB-P7

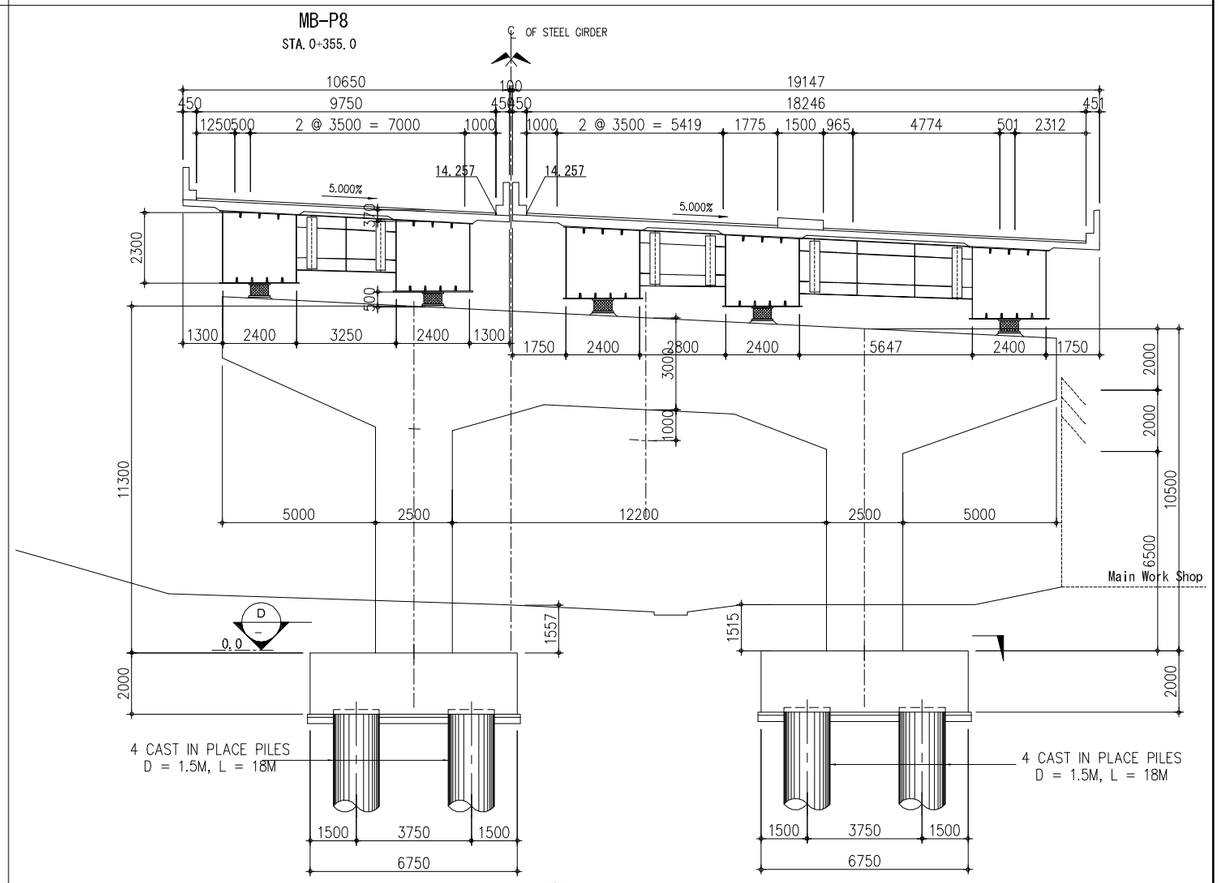


A — ELEVATION
SCALE 1:100

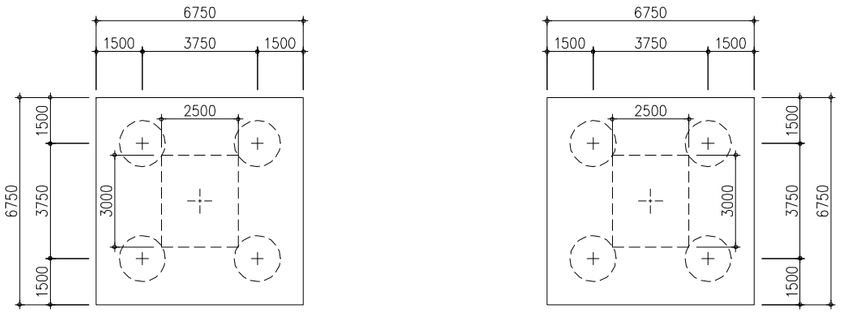


B — TYPICAL FOUNDATION PLAN
SCALE 1:100

MB-P8



C — ELEVATION
SCALE 1:100



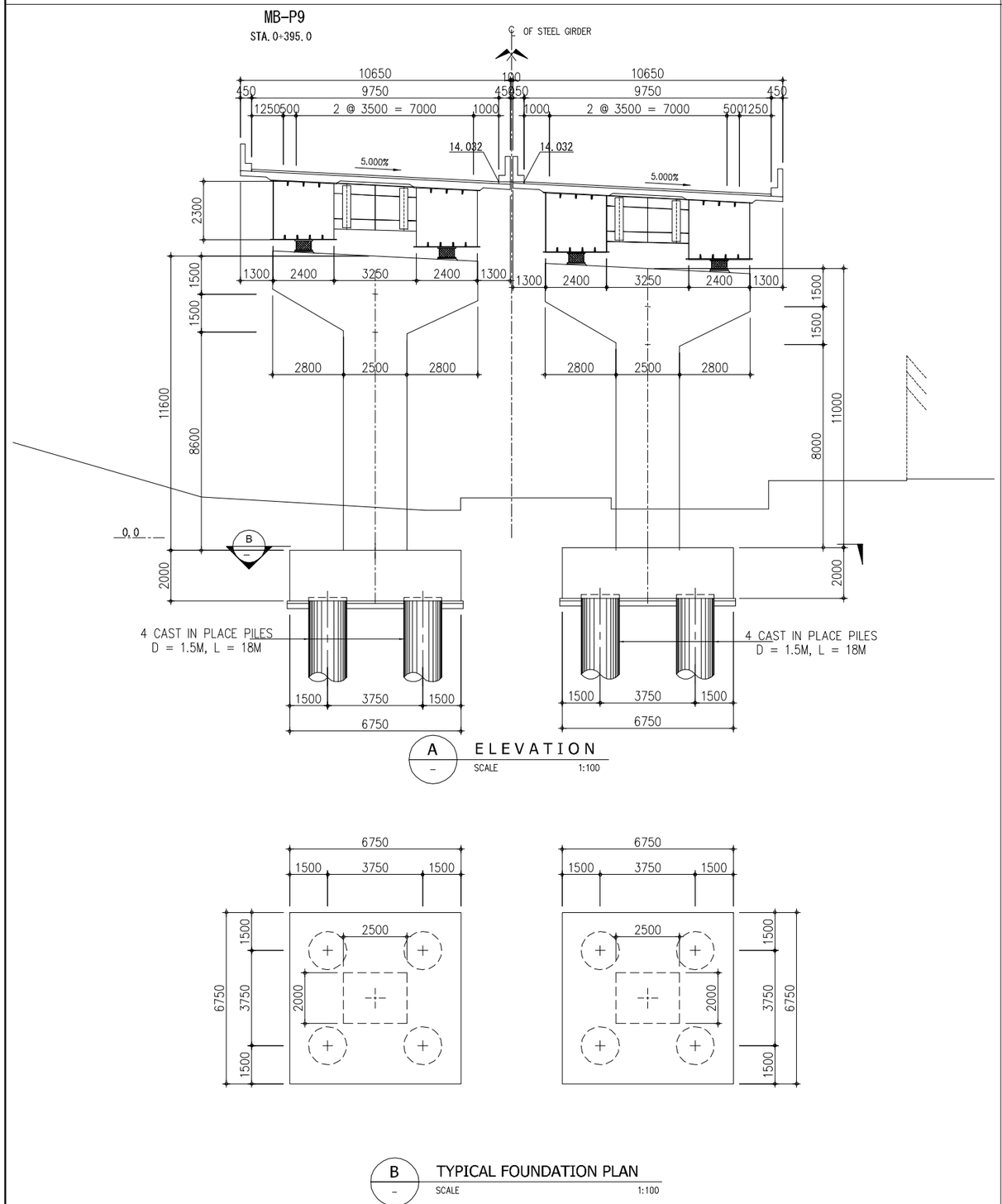
D — TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP7-MBP10(1/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-49

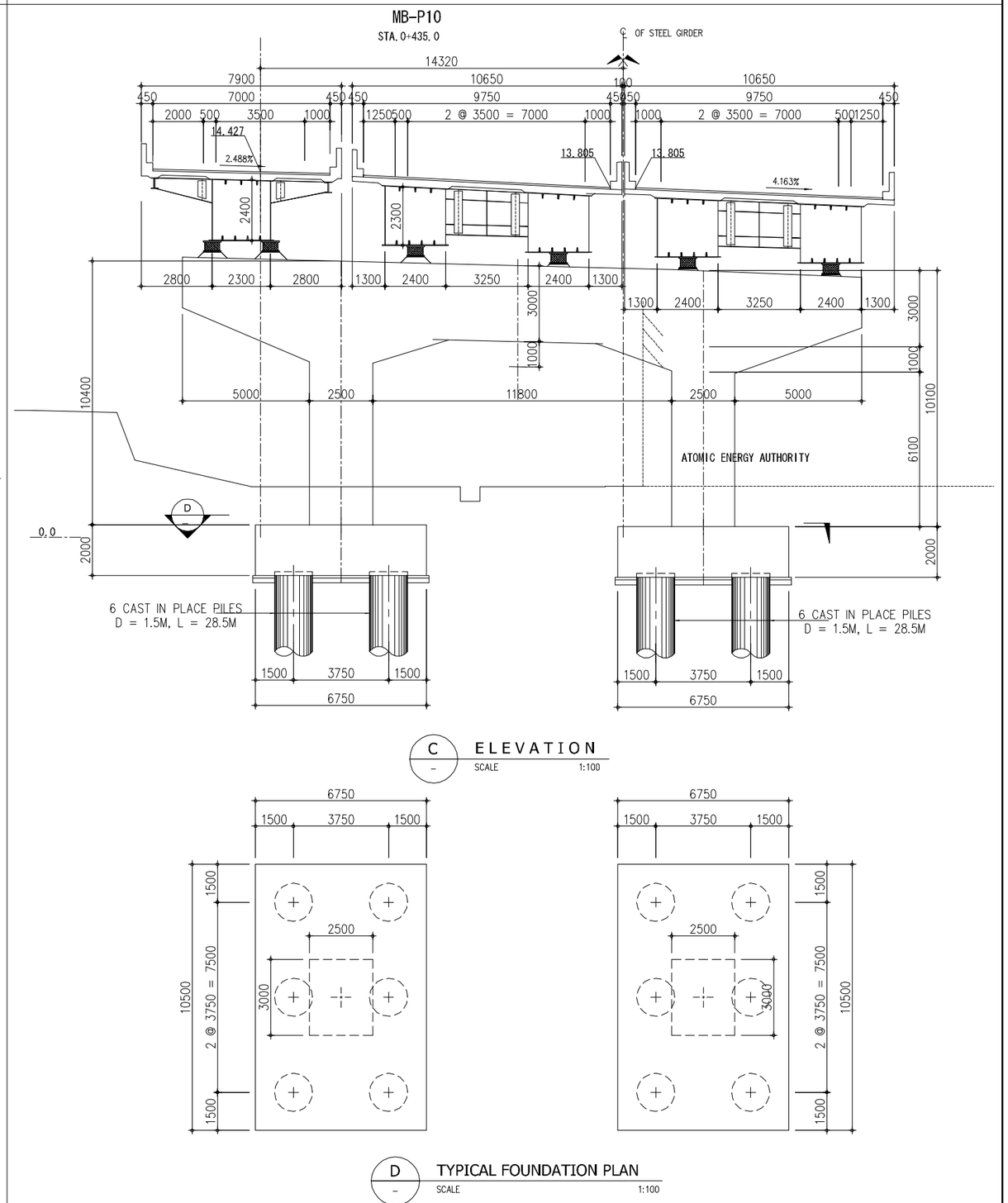
No	REVISION	DATE

SUBSTRUCTURE GENERAL DRAWING

MB-P9



MB-P10



MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

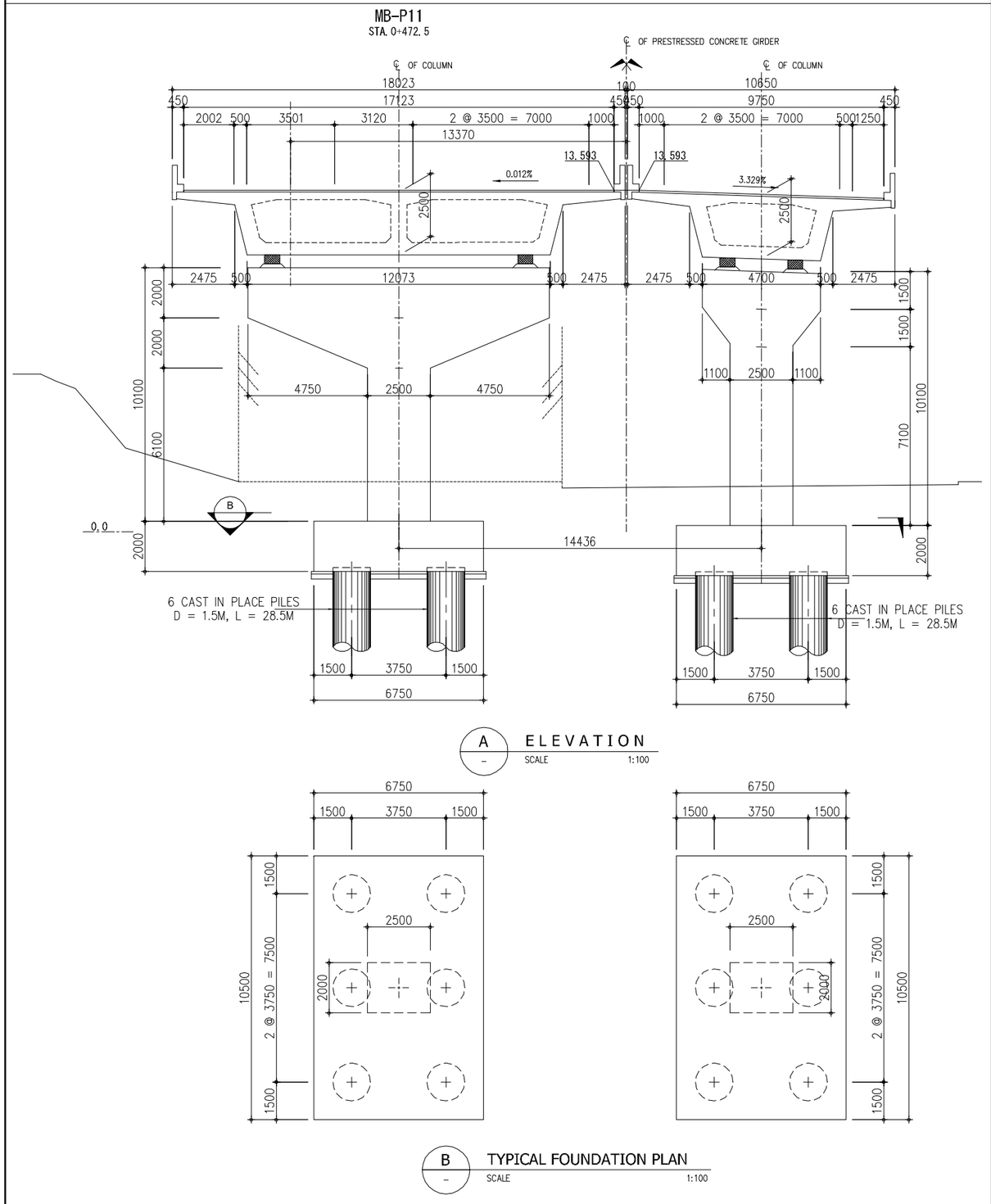
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
MAIN LINE STEEL BOX GIRDER
MBP7-MBP10(2/2)

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-50

SUBSTRUCTURE GENERAL DRAWING

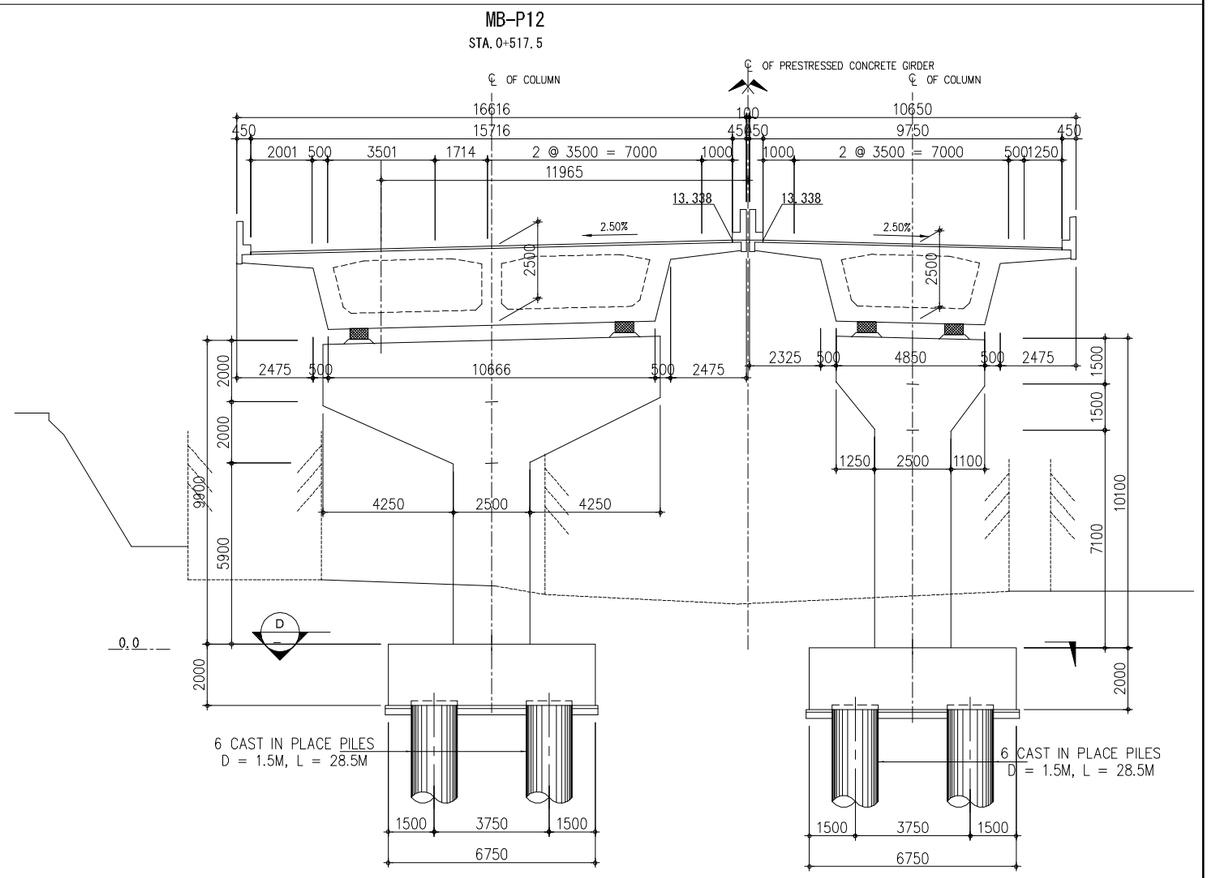
MB-P11



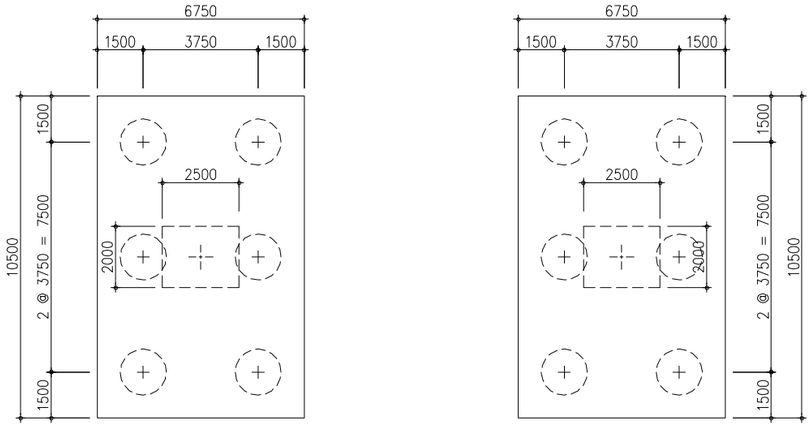
A — ELEVATION
SCALE 1:100

B — TYPICAL FOUNDATION PLAN
SCALE 1:100

MB-P12



C — ELEVATION
SCALE 1:100

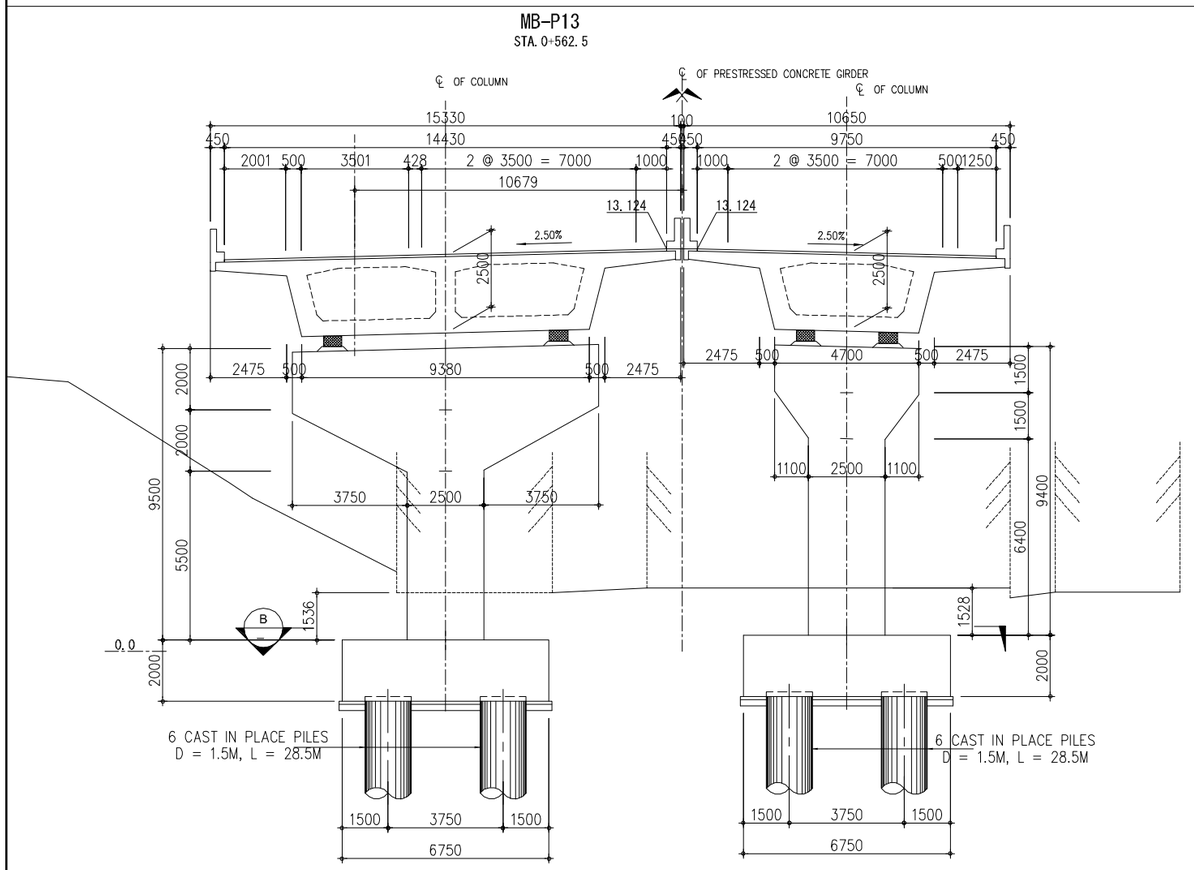


D — TYPICAL FOUNDATION PLAN
SCALE 1:100

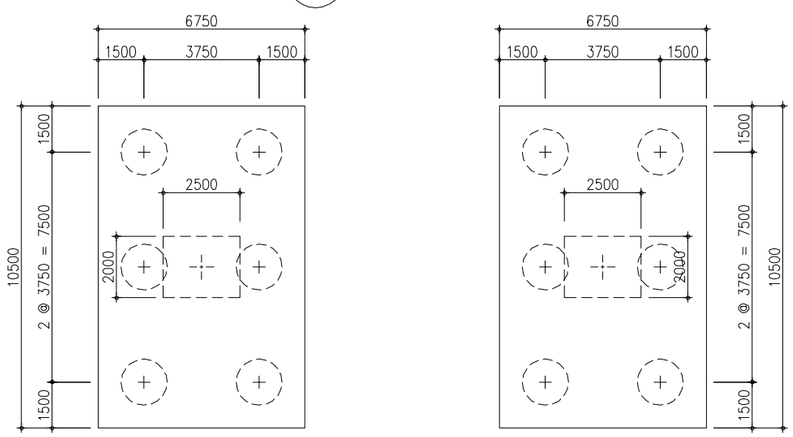
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE PC BOX GIRDER MBP11-MBP14(1/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	 B-51

SUBSTRUCTURE GENERAL DRAWING

MB-P13

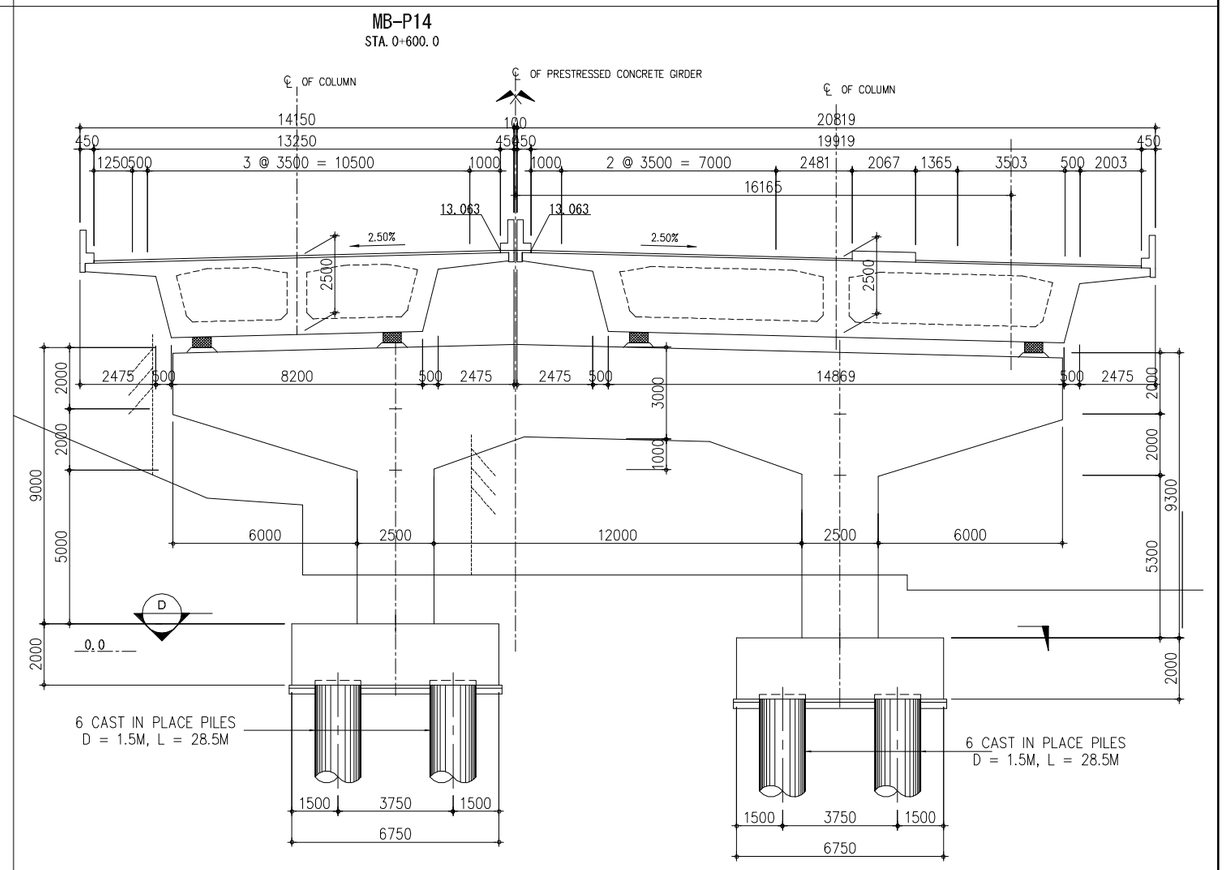


A — ELEVATION
SCALE 1:100

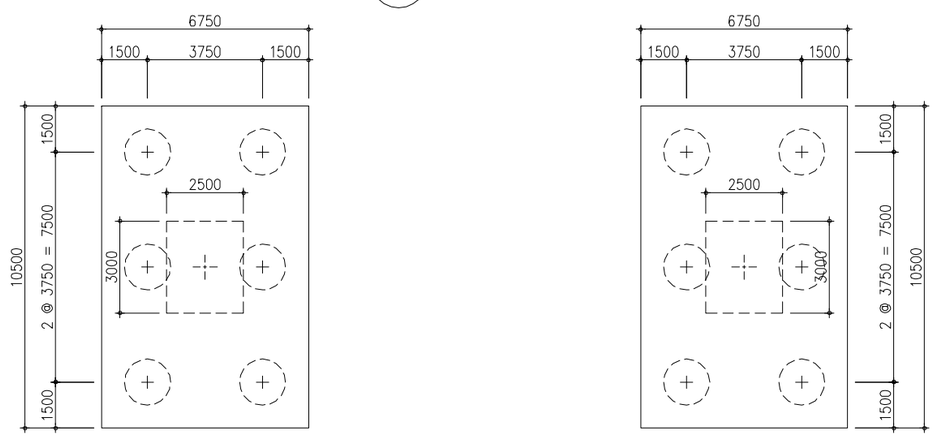


B — TYPICAL FOUNDATION PLAN
SCALE 1:100

MB-P14



C — ELEVATION
SCALE 1:100



D — TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

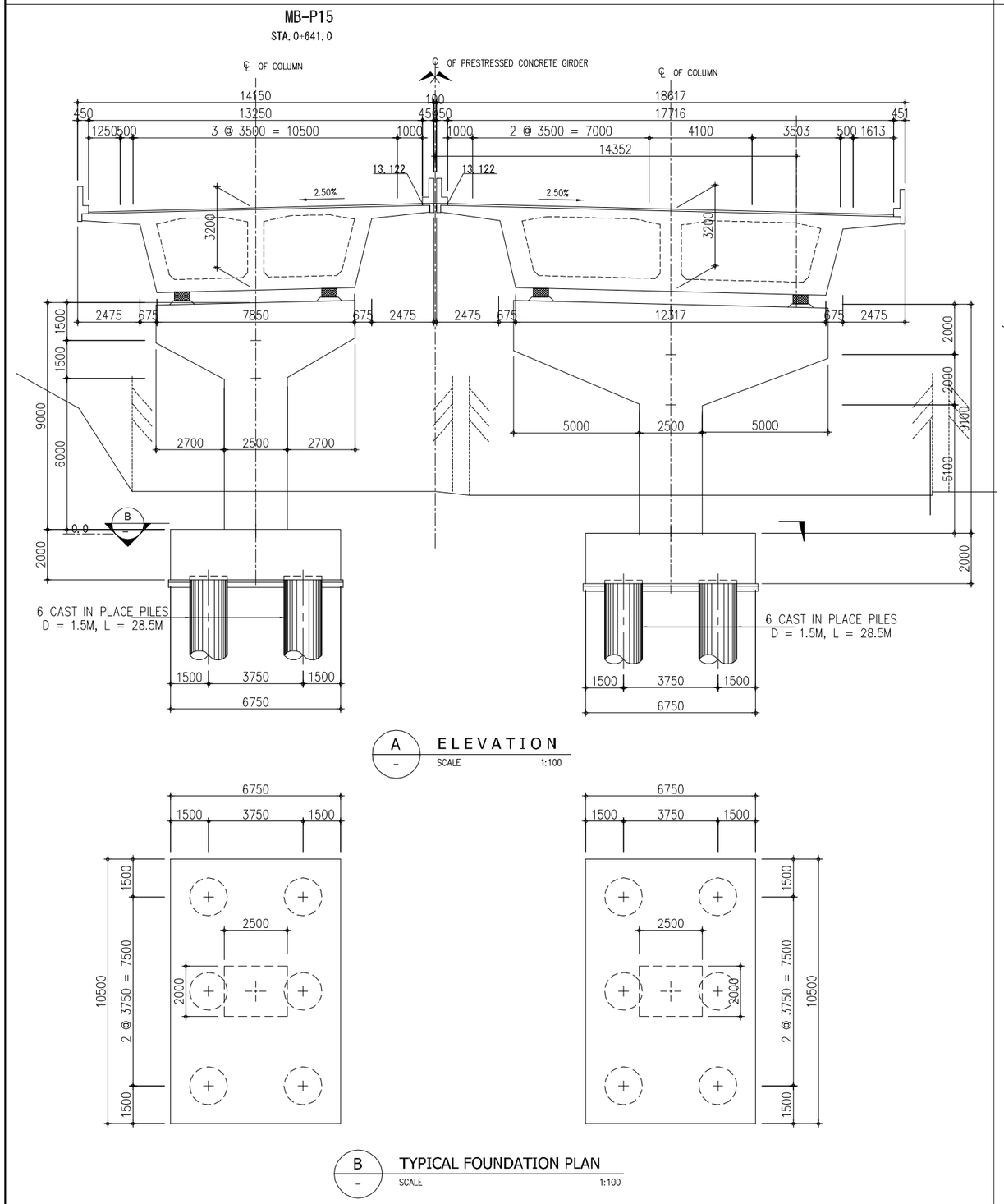
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
MBP11-MBP14(2/2)

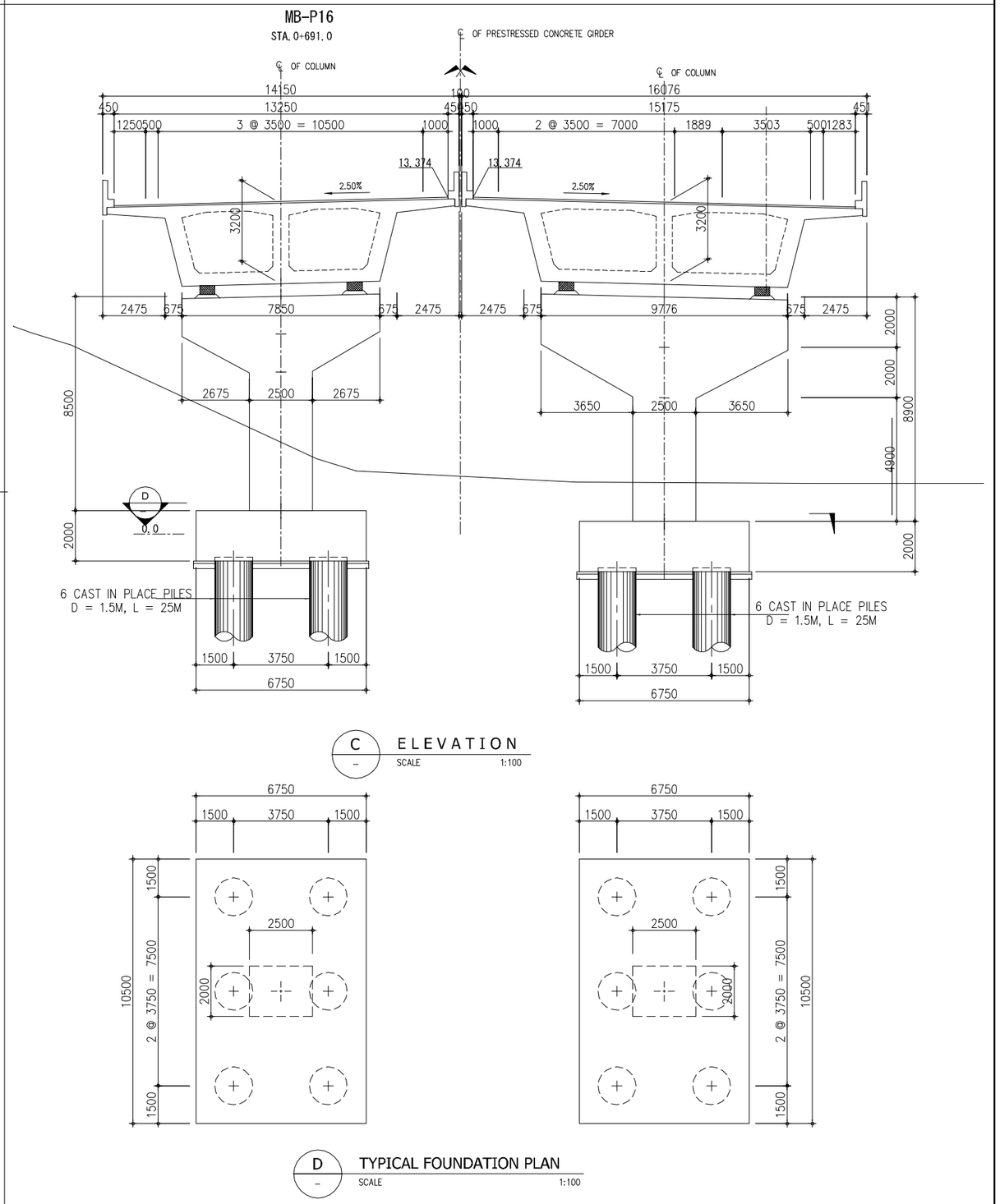
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-52

SUBSTRUCTURE GENERAL DRAWING

MB-P15



MB-P16

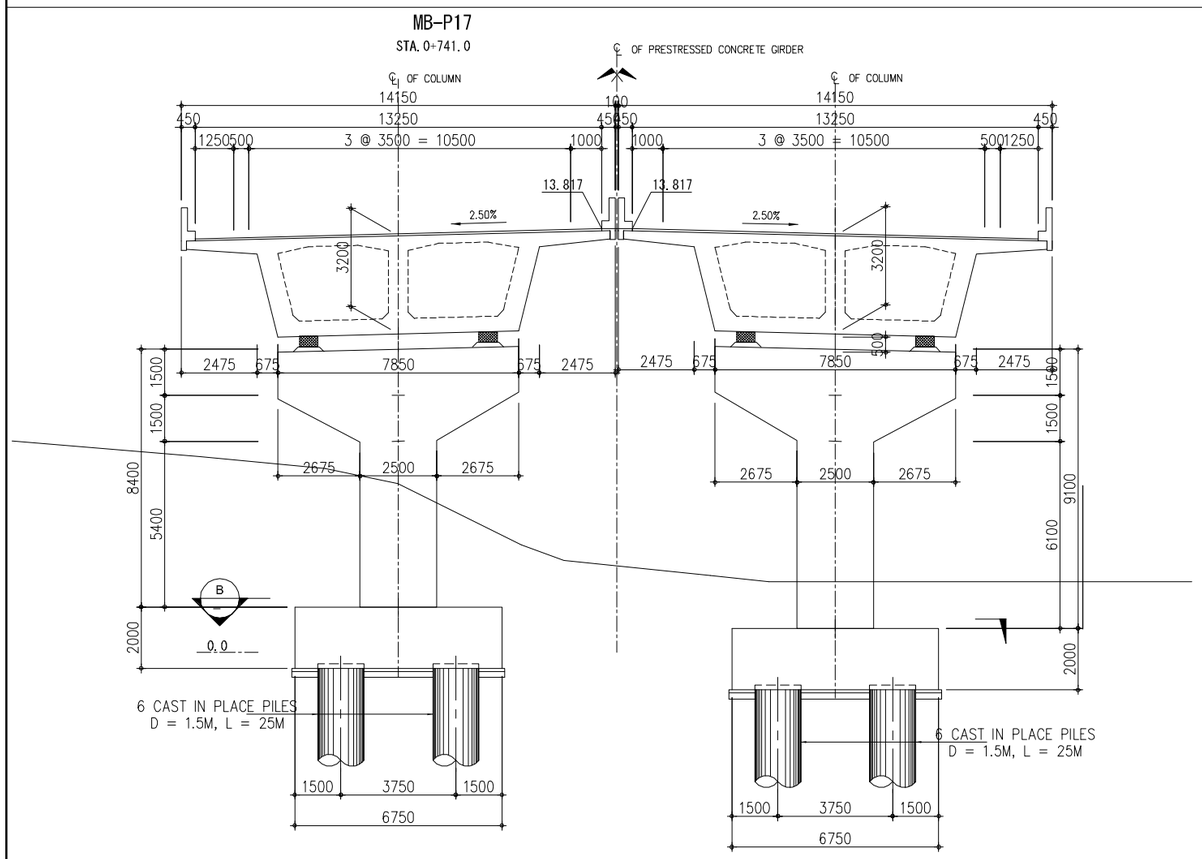


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE PC BOX GIRDER MBP15-MBP18(1/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-53

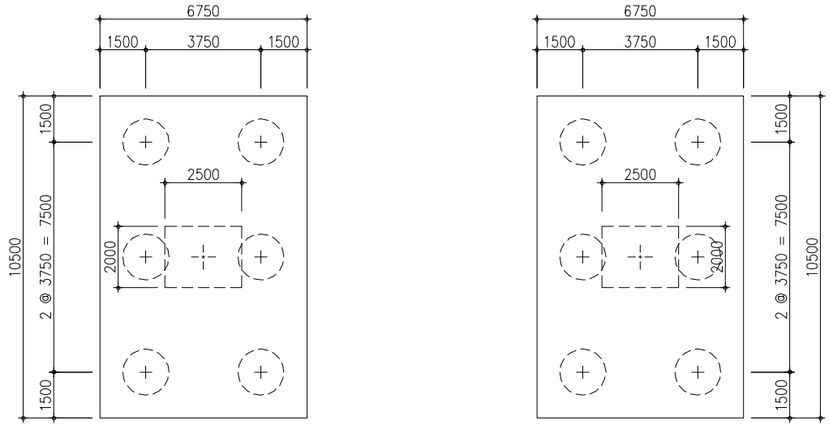
No	REVISION	DATE

SUBSTRUCTURE GENERAL DRAWING

MB-P17

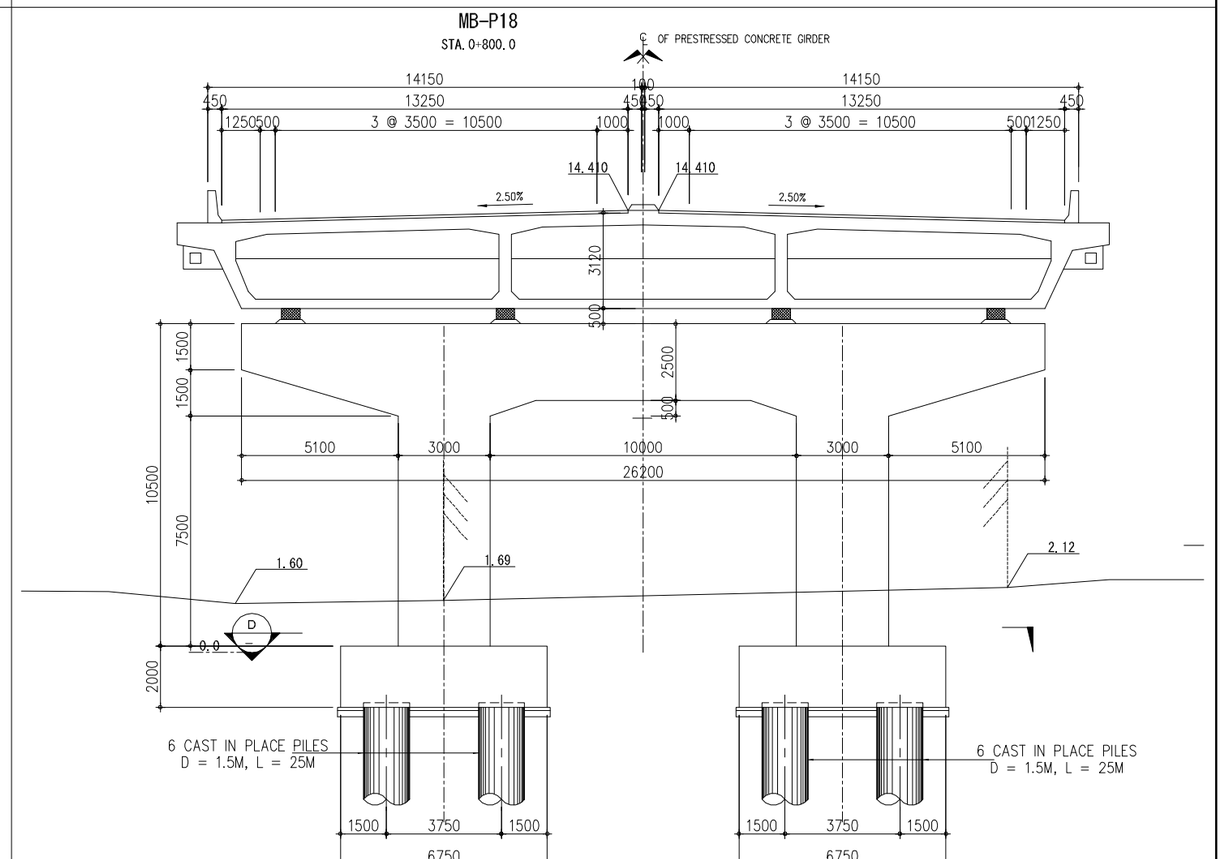


A ELEVATION
SCALE 1:100

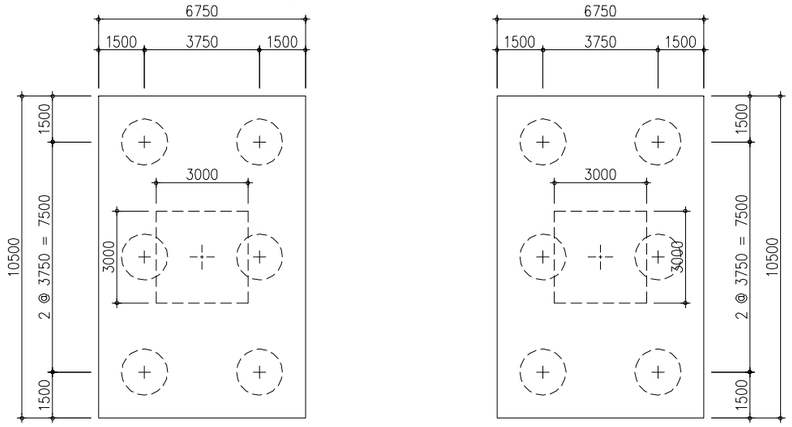


B TYPICAL FOUNDATION PLAN
SCALE 1:100

MB-P18



C ELEVATION
SCALE 1:100



D TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

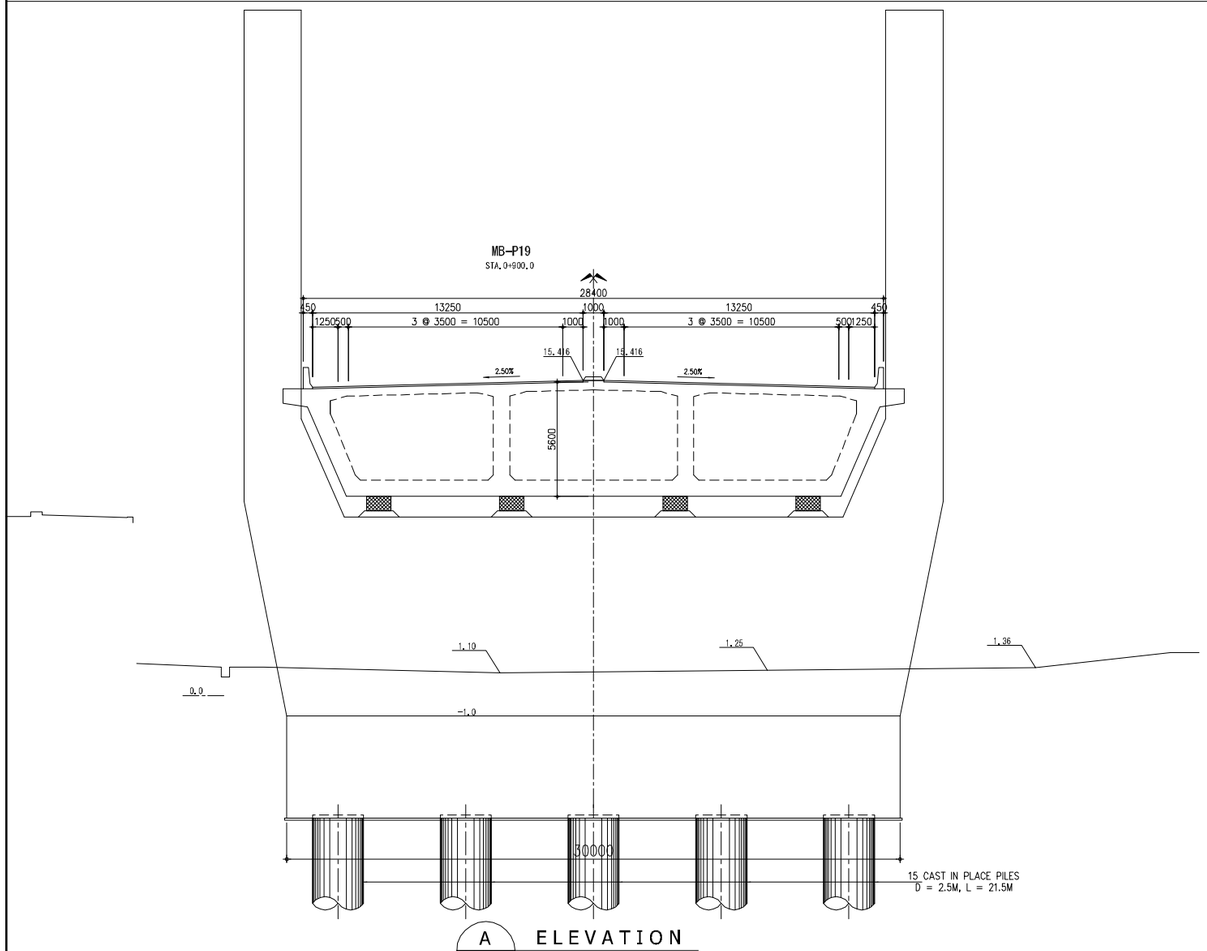
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
MBP15-MBP18(2/2)

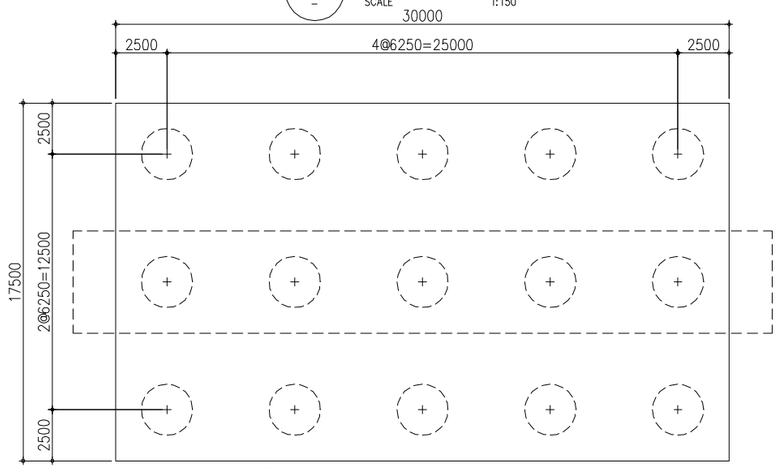
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-54

SUBSTRUCTURE GENERAL DRAWING

MB-P19

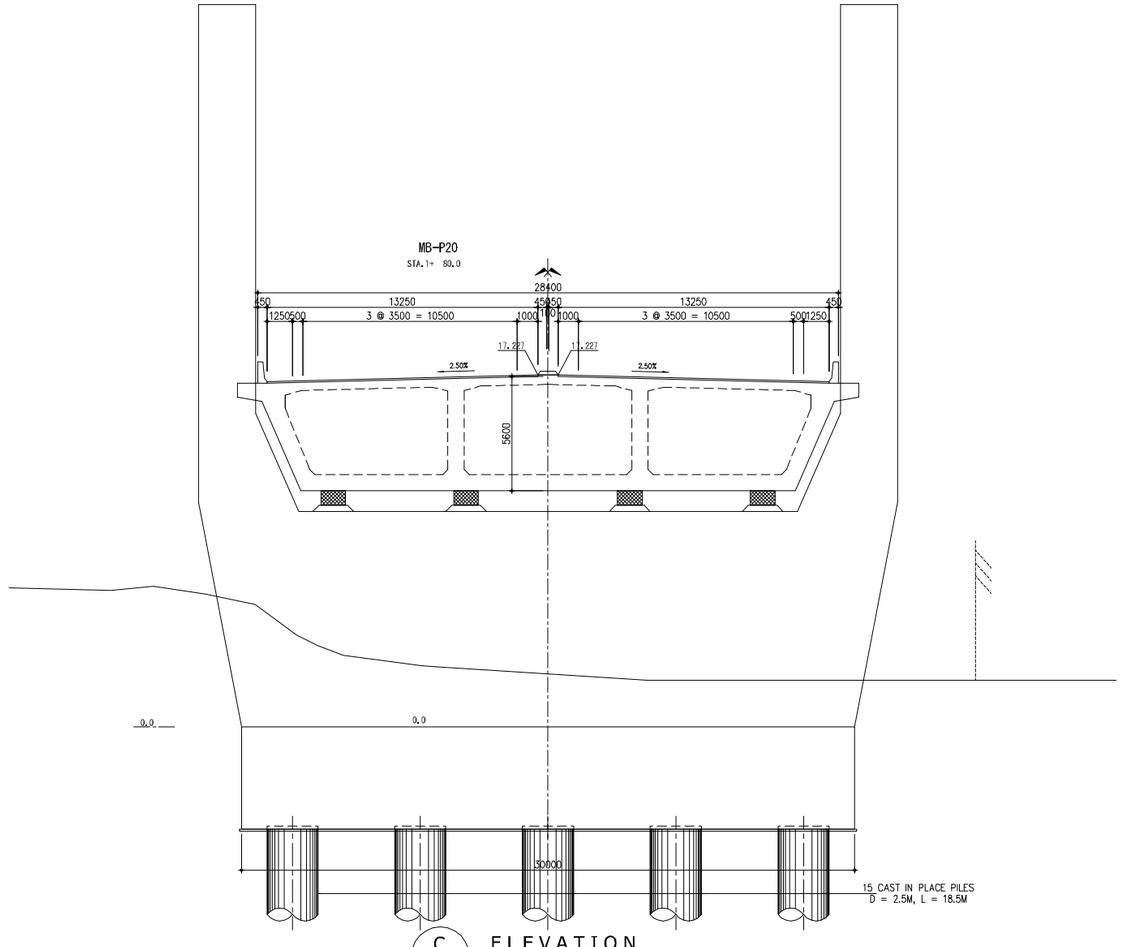


A – ELEVATION
SCALE 1:150

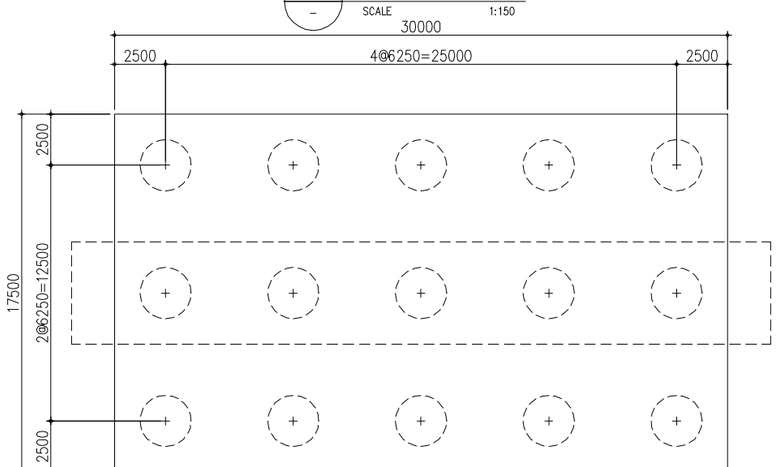


B – TYPICAL FOUNDATION PLAN
SCALE 1:150

MB-P20



C – ELEVATION
SCALE 1:150



D – TYPICAL FOUNDATION PLAN
SCALE 1:150

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

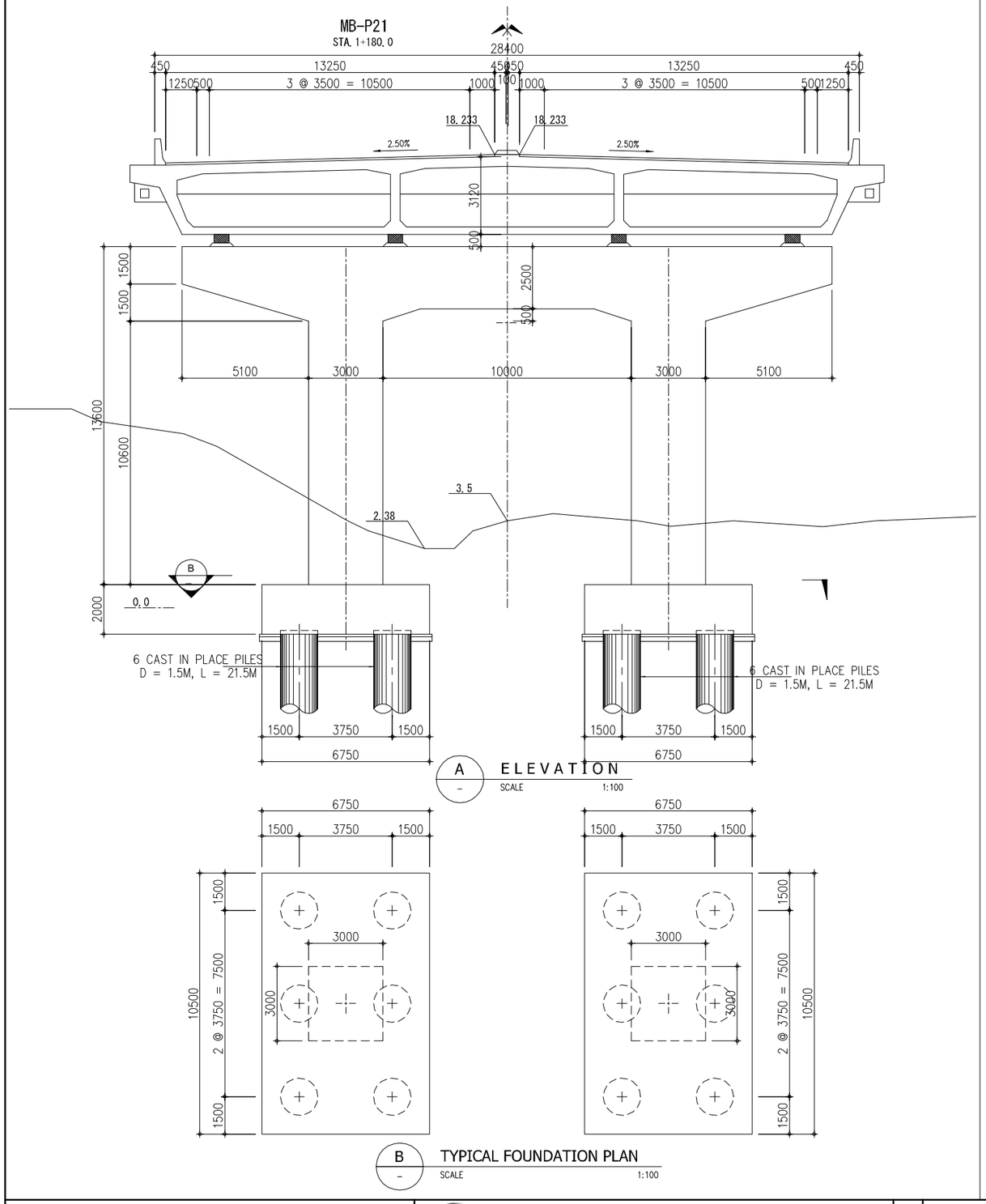
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
MAIN LINE EXTRADOSED BRIDGE
MBP19-MBP20

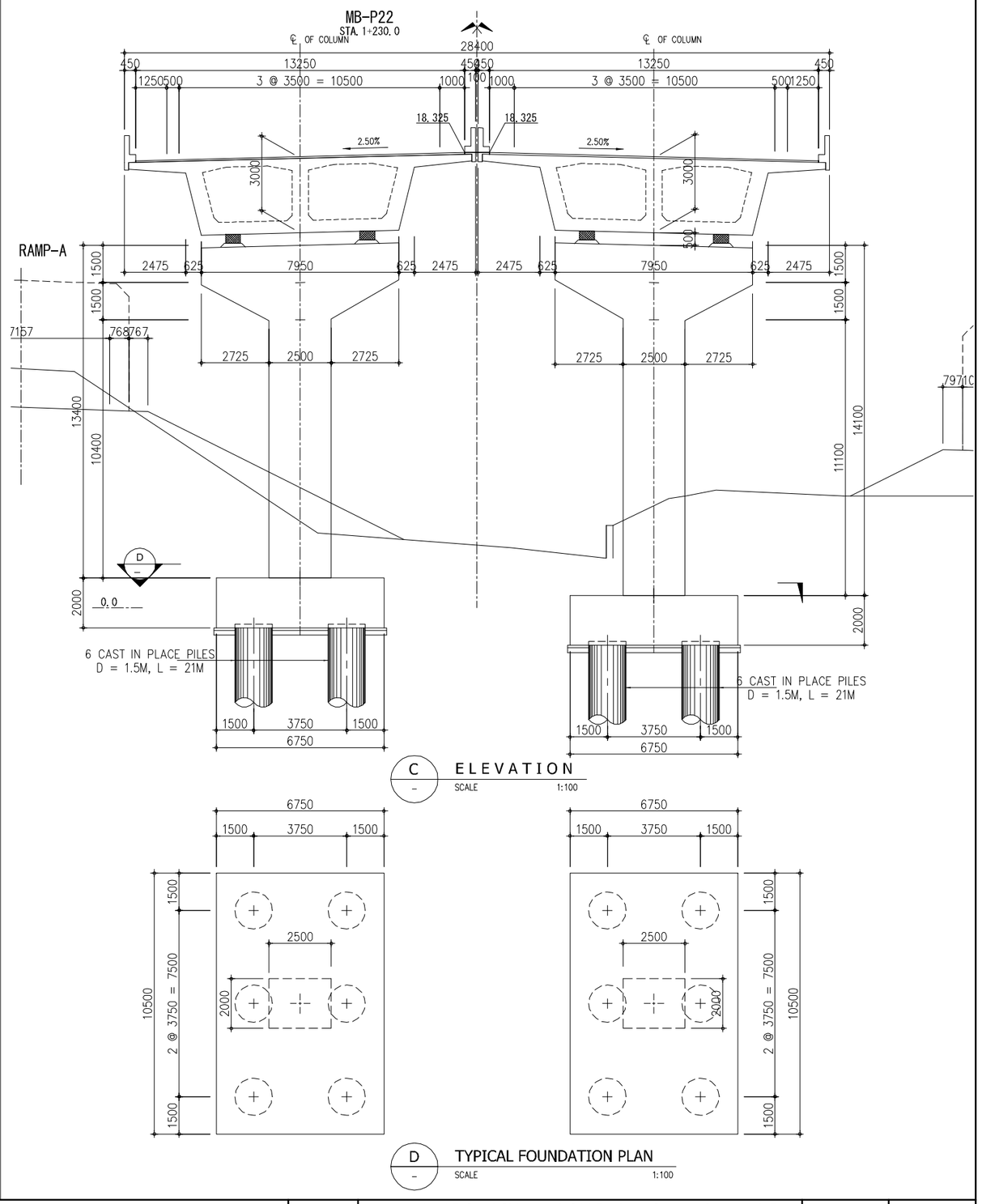
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-55

SUBSTRUCTURE GENERAL DRAWING

MB-P21



MB-P22



MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

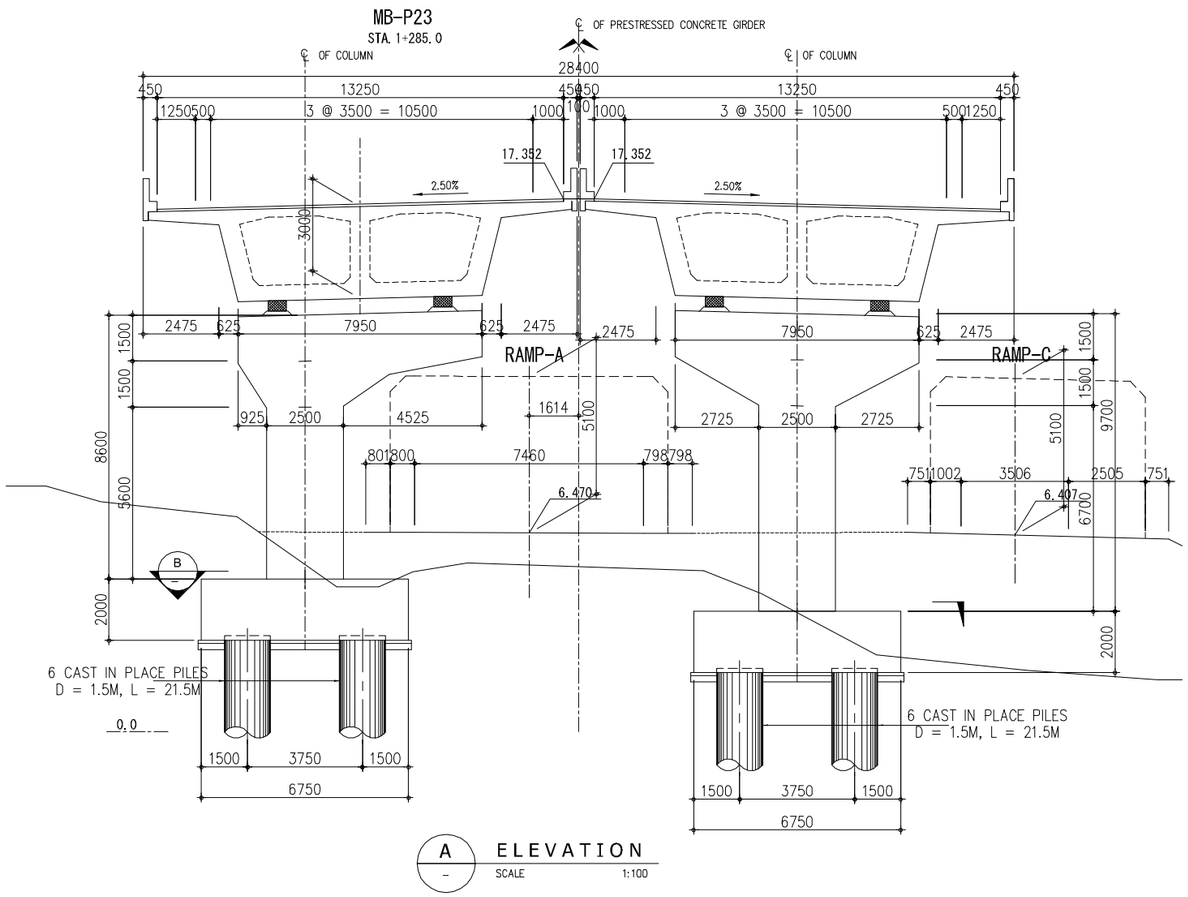
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
MBP21-ABUTA(1/3)

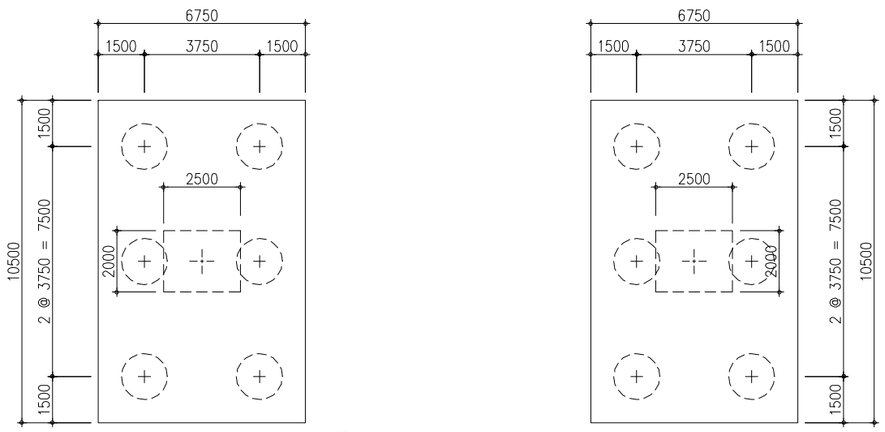
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-56

SUBSTRUCTURE GENERAL DRAWING

MB-P23

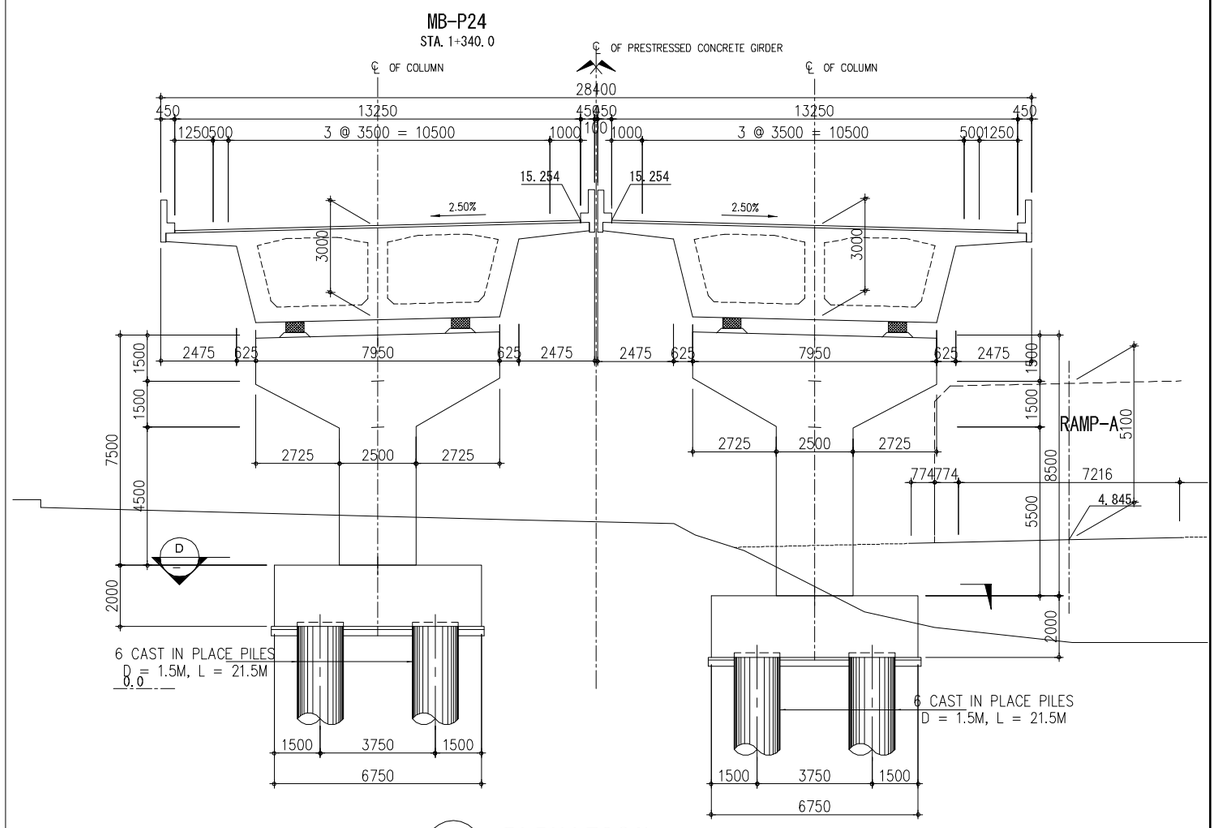


A – ELEVATION
SCALE 1:100

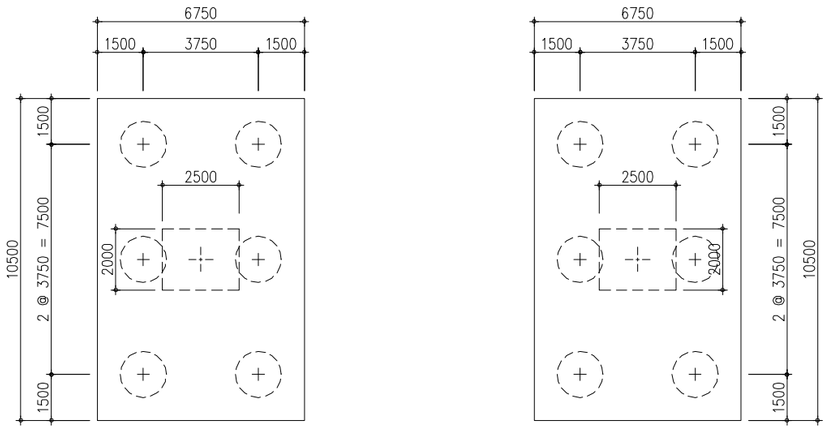


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

MB-P24



C – ELEVATION
SCALE 1:100



D – TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

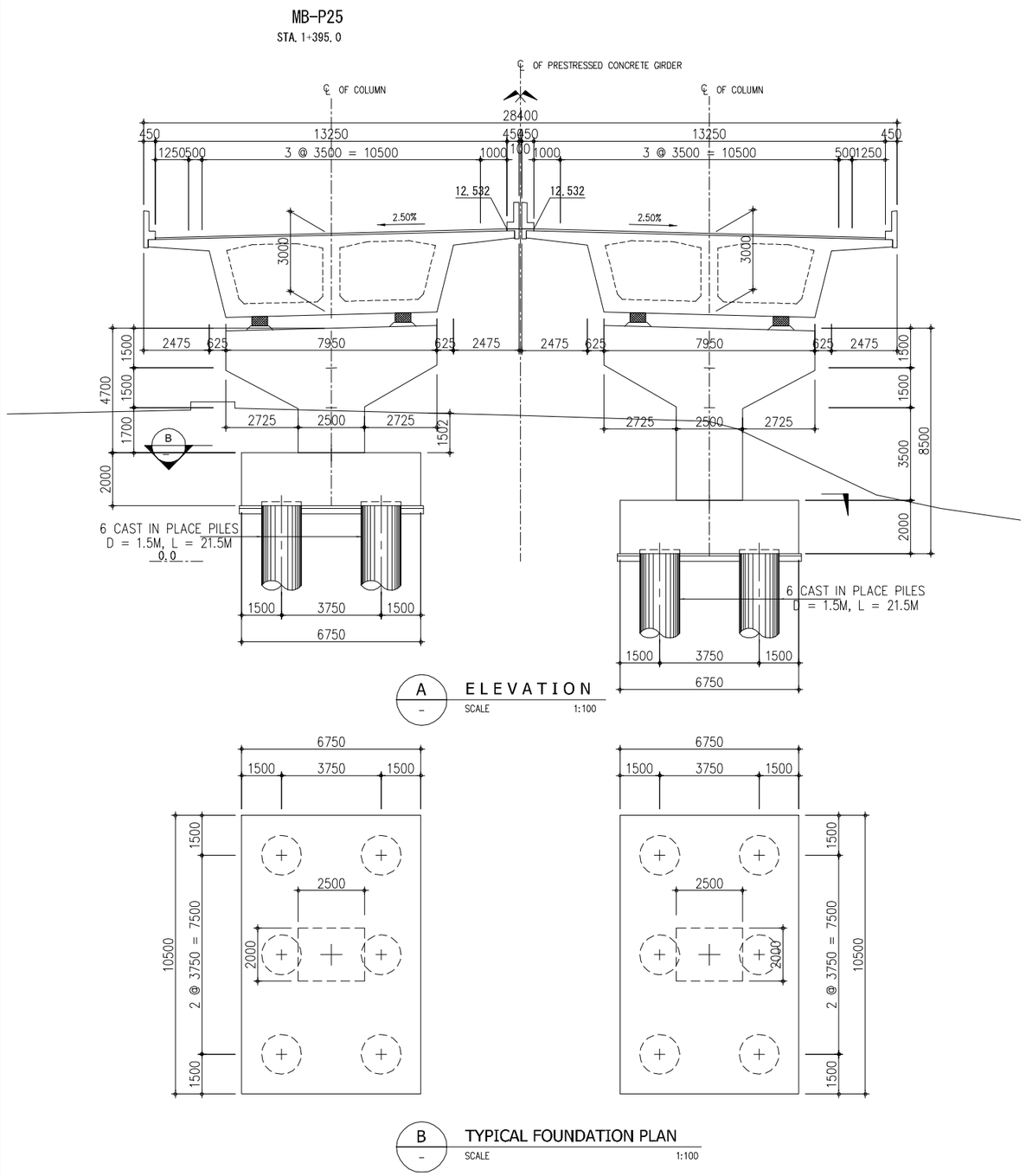
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
MBP21-ABUTA(2/3)

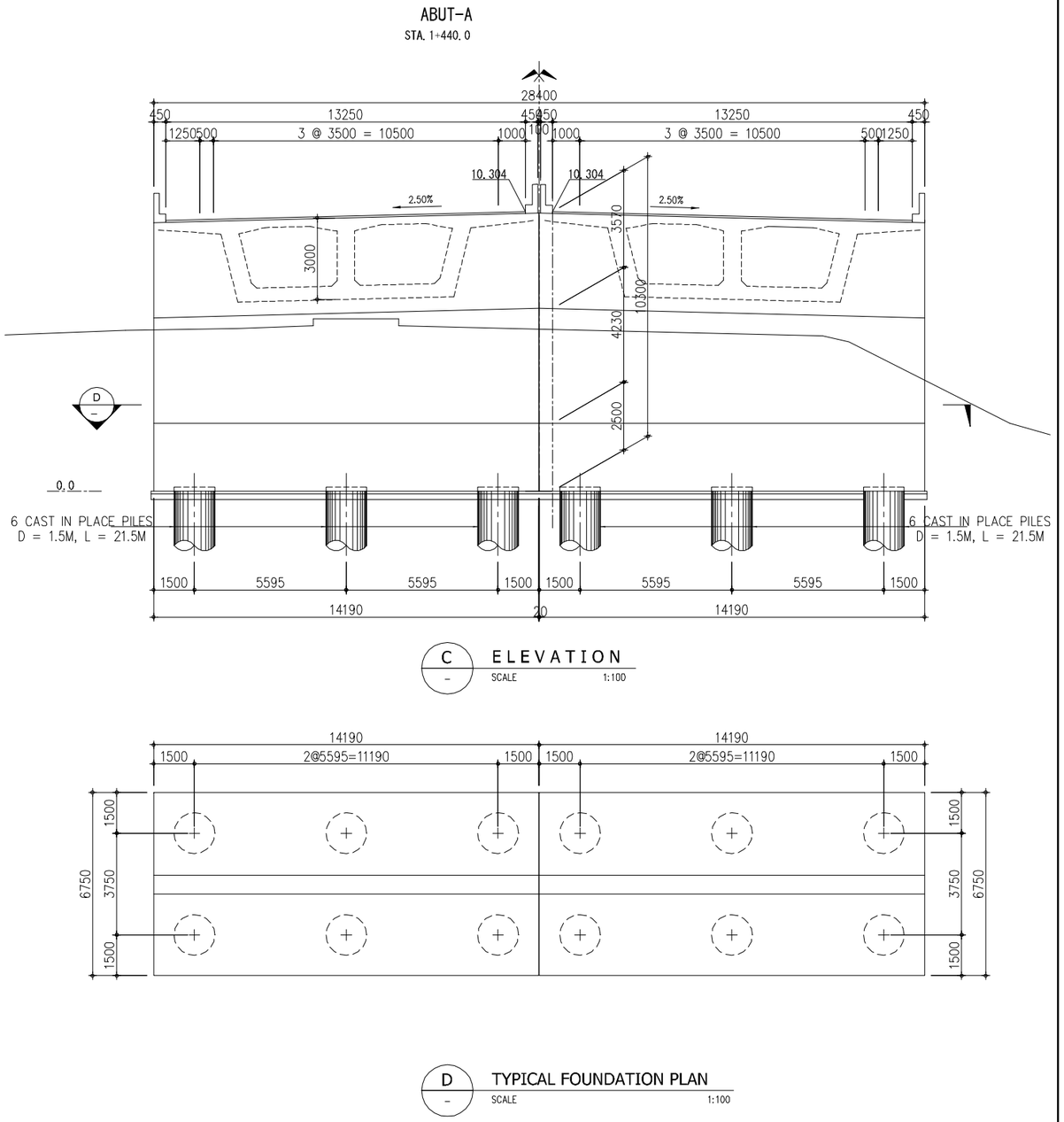
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-57

SUBSTRUCTURE GENERAL DRAWING

MB-P25



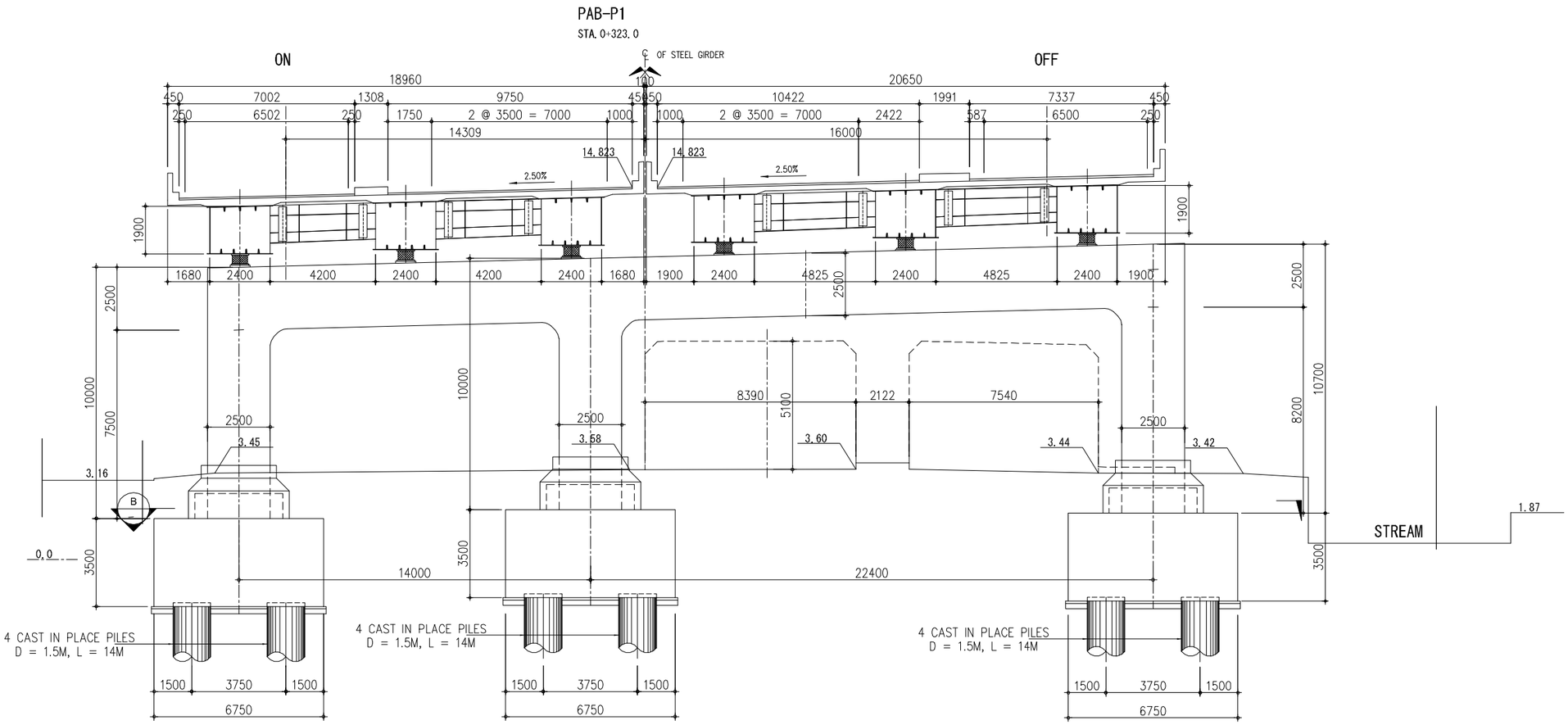
ABUT-A



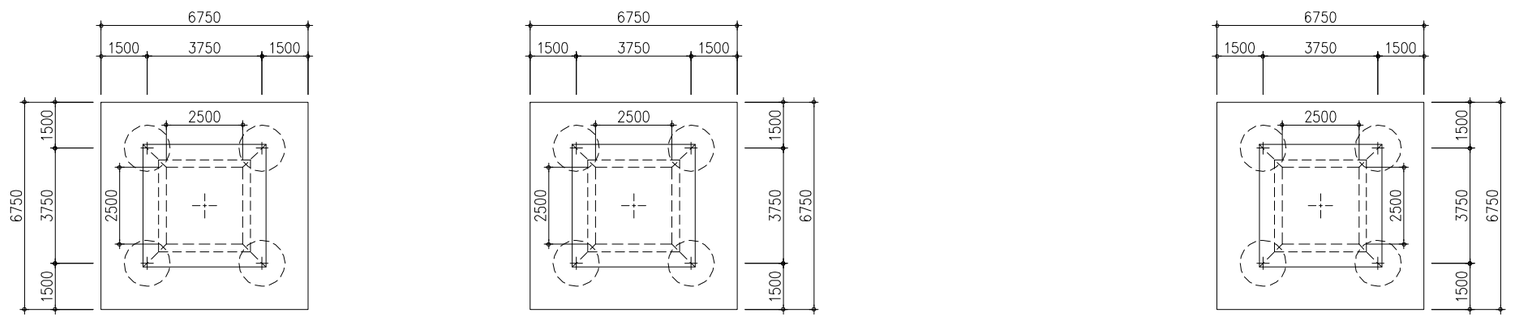
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING MAIN LINE PC BOX GIRDER MBP21-ABUTA(3/3)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-58

No	REVISION	DATE

SUBSTRUCTURE GENERAL DRAWING
PAB-P1



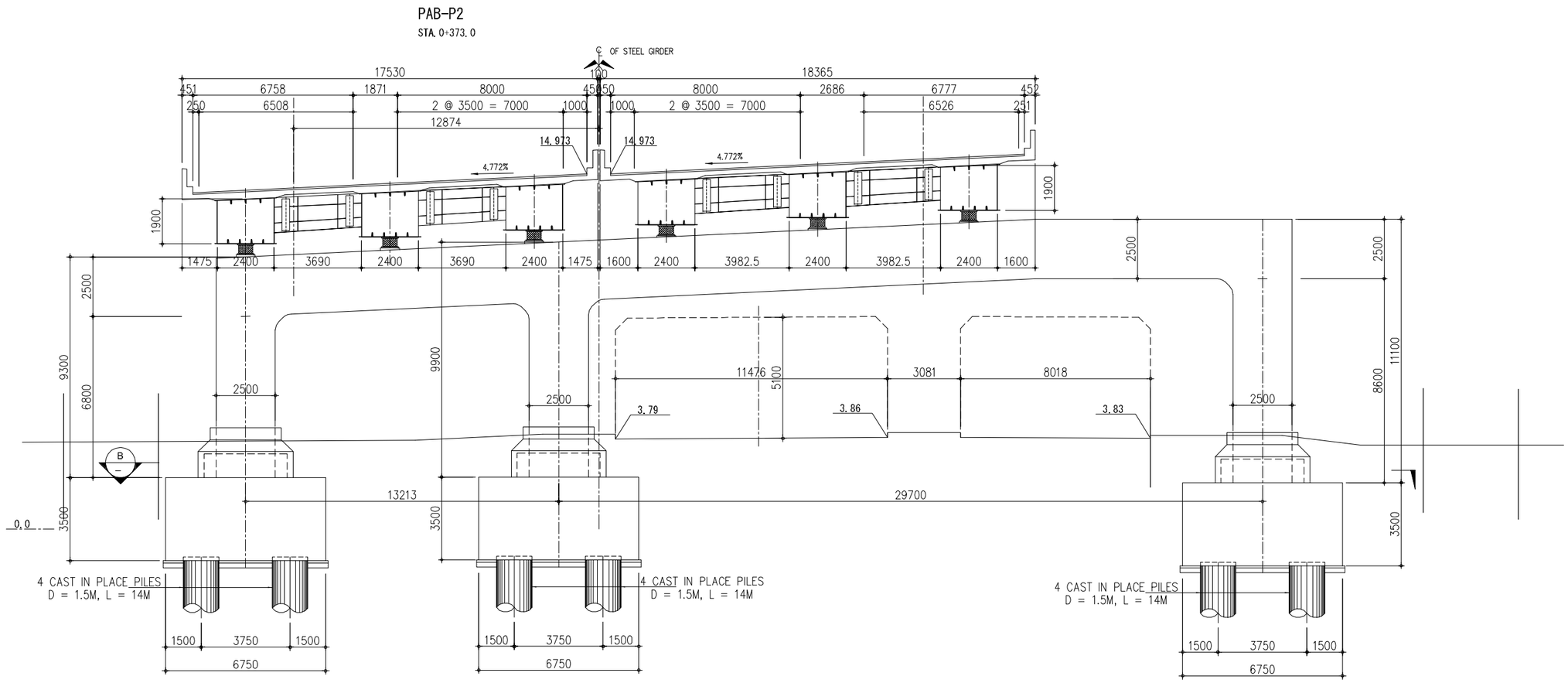
A – ELEVATION
SCALE 1:100



B – TYPICAL FOUNDATION PLAN
SCALE 1:100

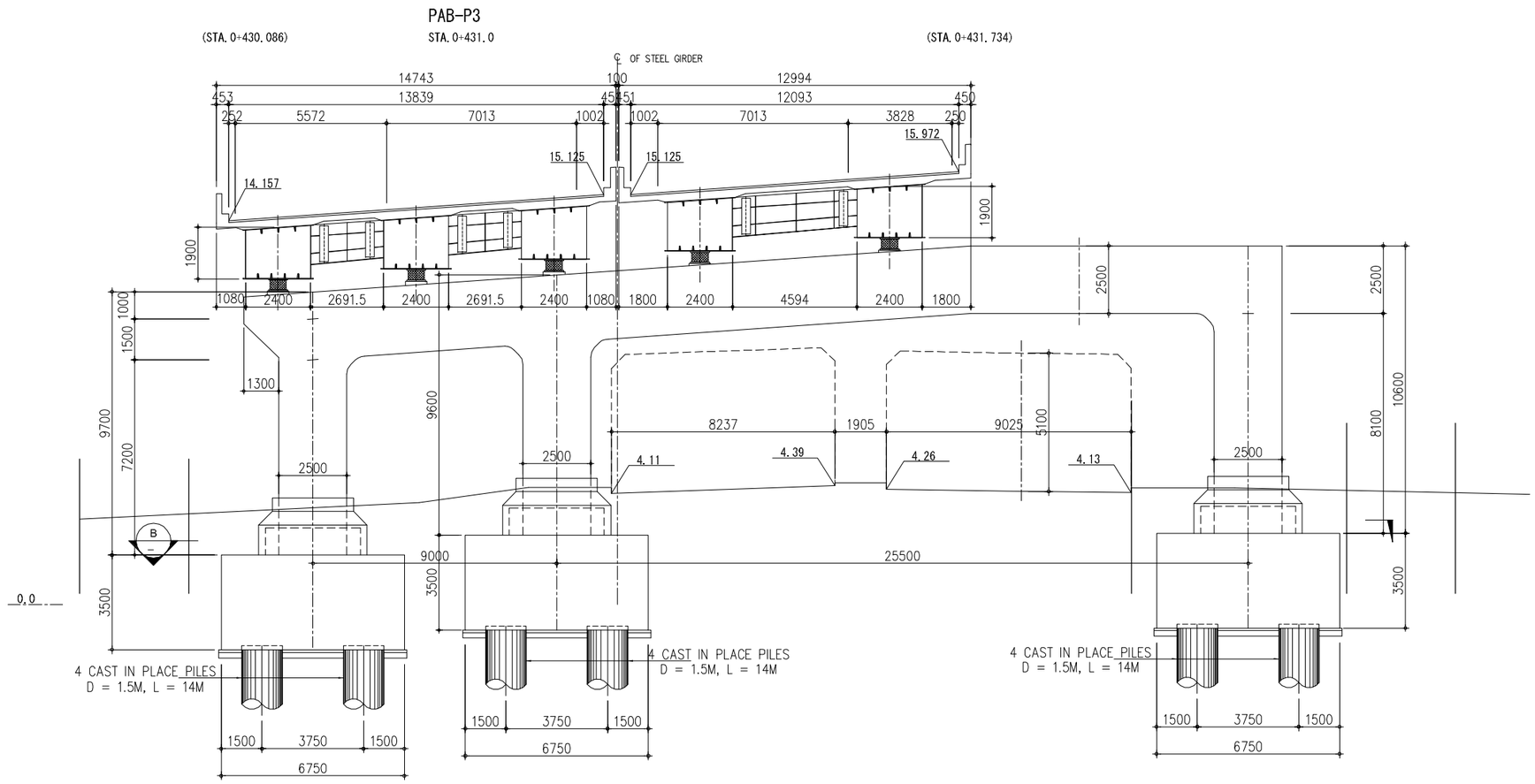
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No / REVISION / DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP1-PABP5(1/5)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-59

SUBSTRUCTURE GENERAL DRAWING
PAB-P2

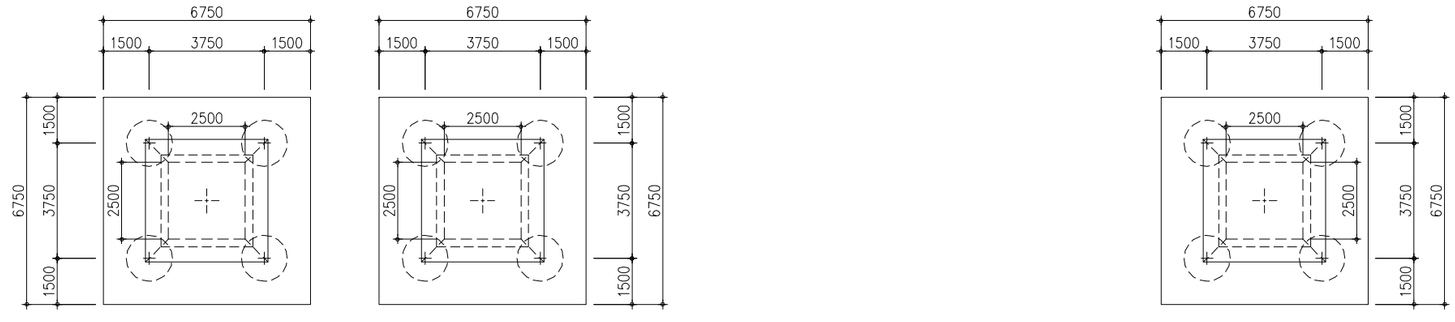


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP1-PABP5(2/5)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-60

SUBSTRUCTURE GENERAL DRAWING
PAB-P3



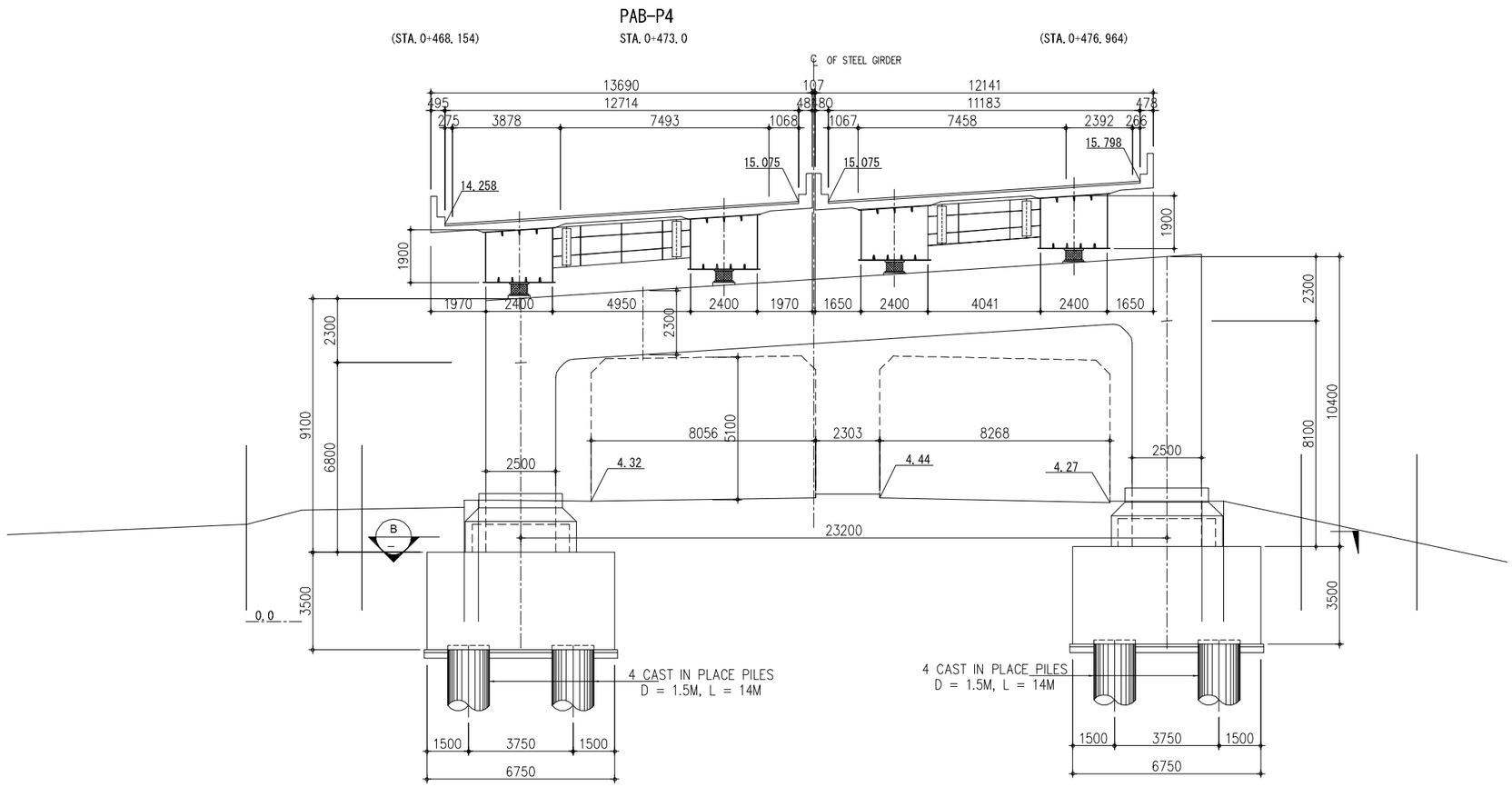
A – ELEVATION
SCALE 1:100



B – TYPICAL FOUNDATION PLAN
SCALE 1:100

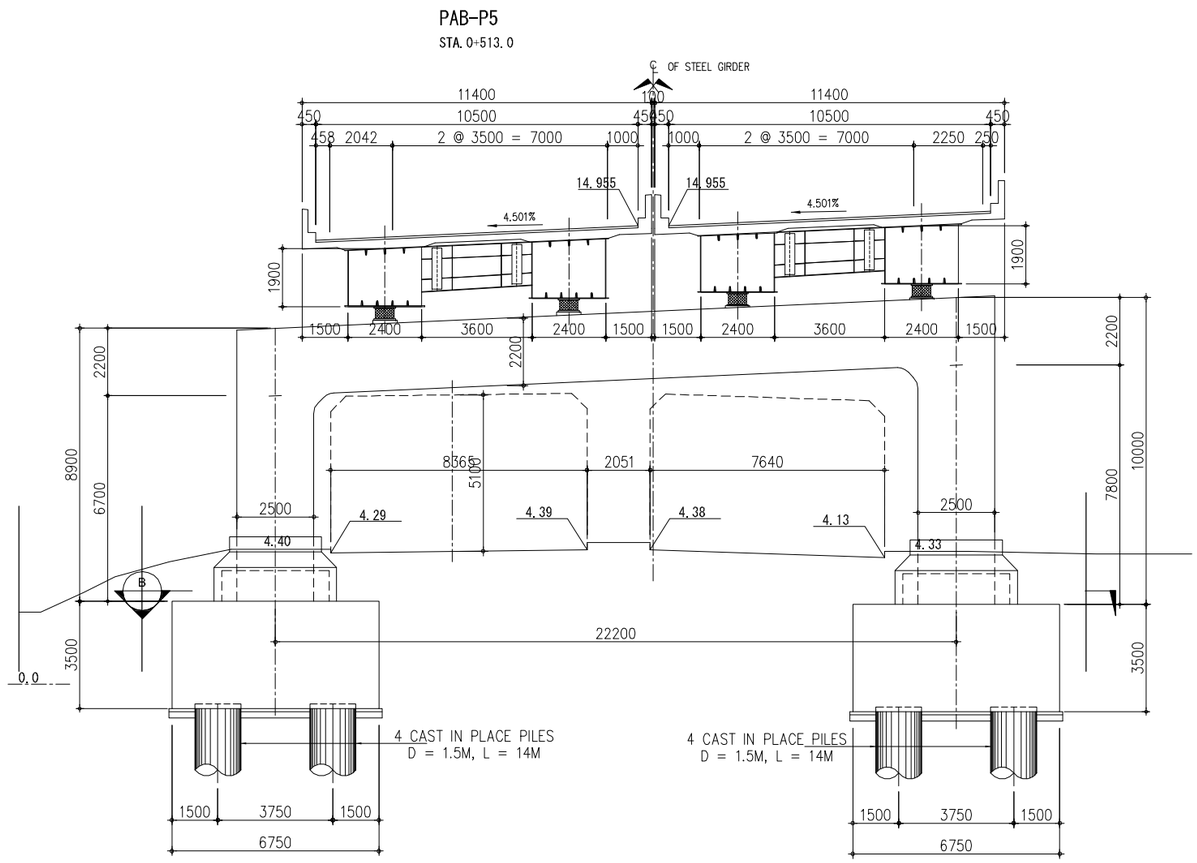
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP1-PABP5(3/5)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-61

SUBSTRUCTURE GENERAL DRAWING
PAB-P4



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP1-PABP5(4/5)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-62

SUBSTRUCTURE GENERAL DRAWING
PAB-P5



A – ELEVATION
SCALE 1:100

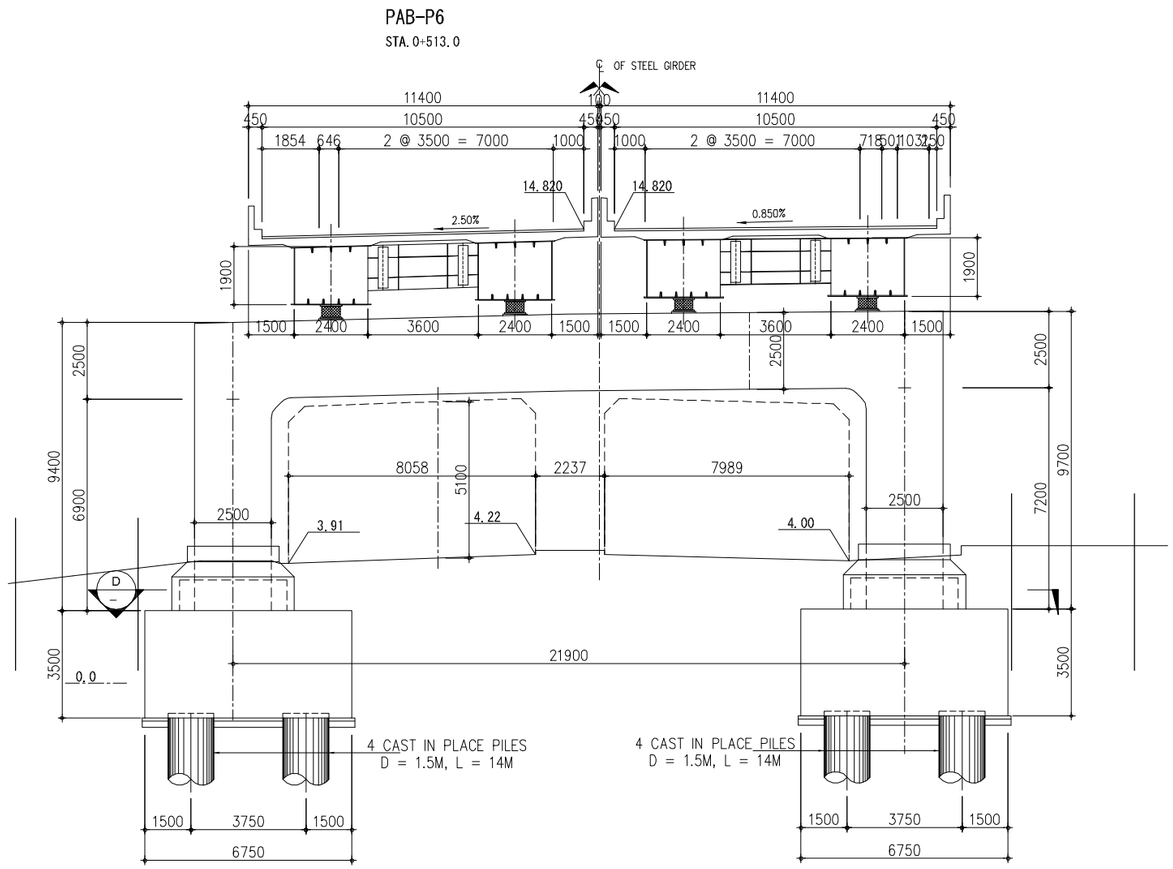
B – TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP1-PABP5(5/5)

No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-63

SUBSTRUCTURE GENERAL DRAWING
PAB-P6



C — ELEVATION
SCALE 1:100

D — TYPICAL FOUNDATION PLAN
SCALE 1:100

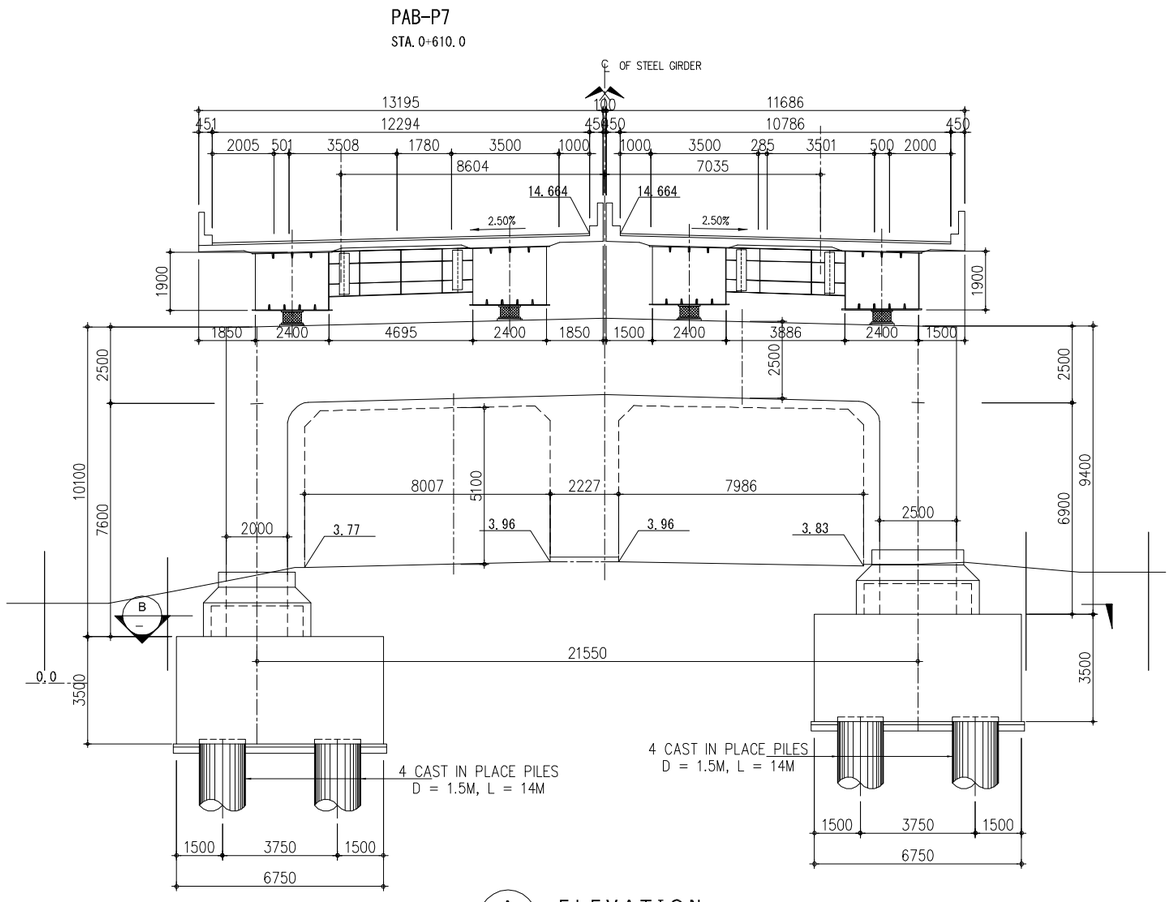
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP6-PABP9(1/3)

No	REVISION	DATE

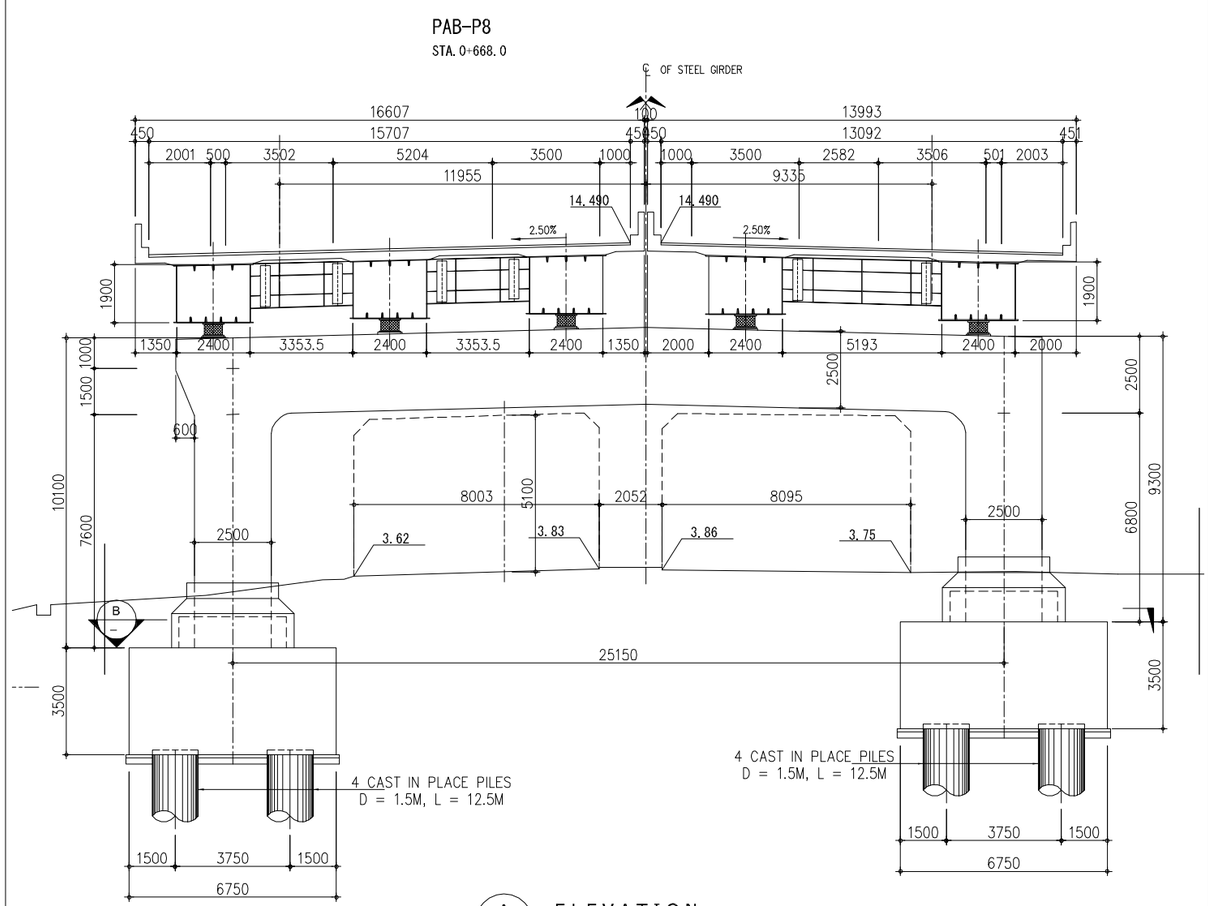
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-64

SUBSTRUCTURE GENERAL DRAWING

PAB-P7

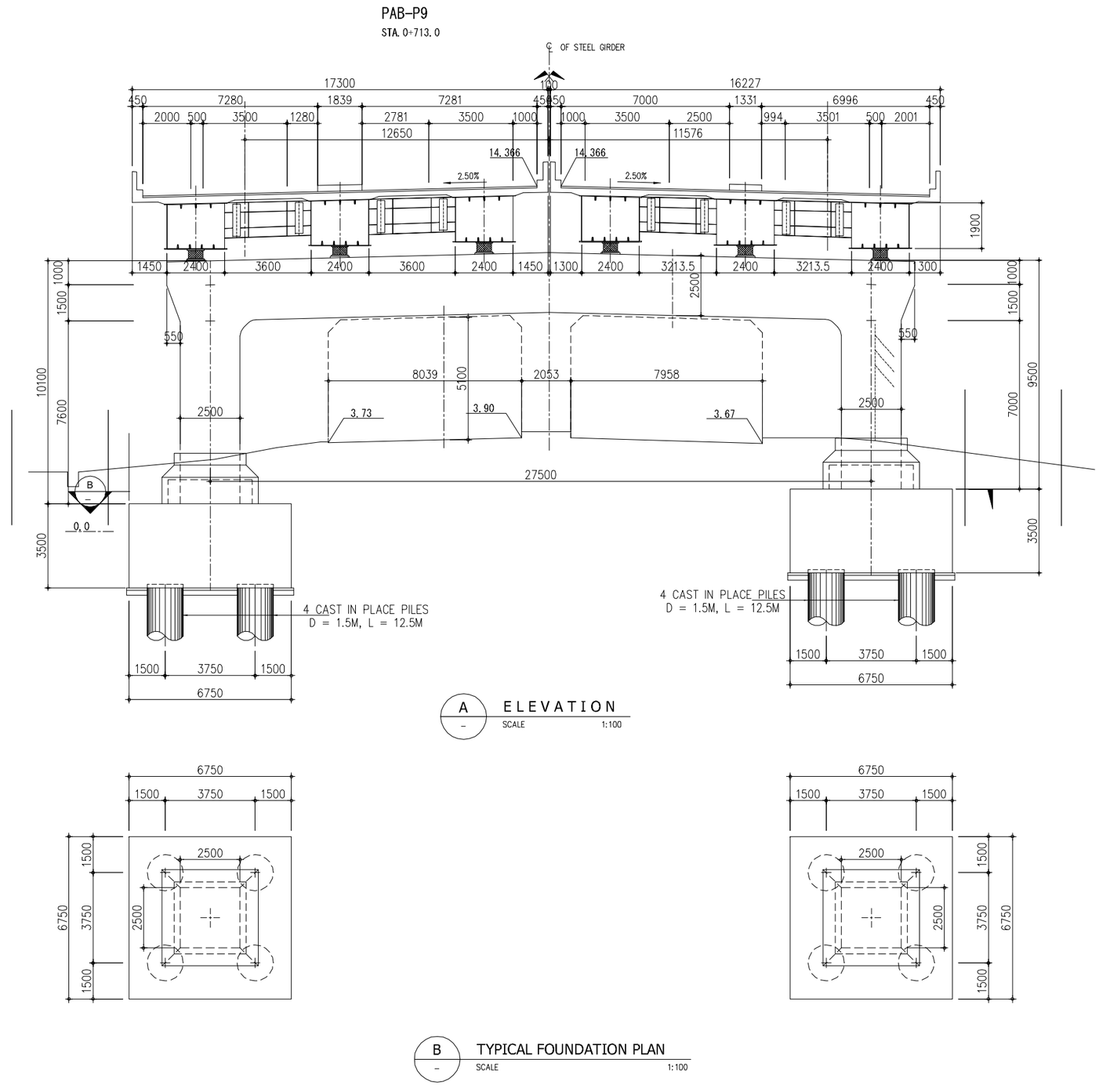


PAB-P8



MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP6-PABP9(2/3)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-65

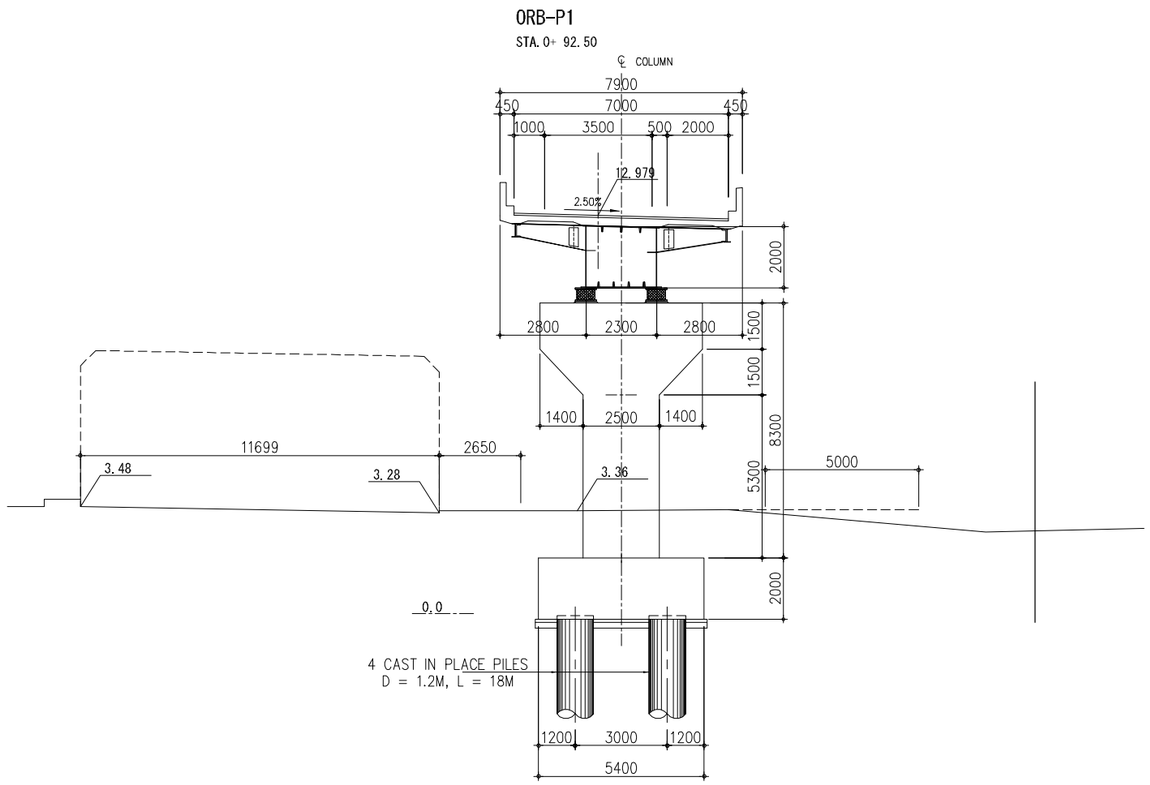
SUBSTRUCTURE GENERAL DRAWING
PAB-P9



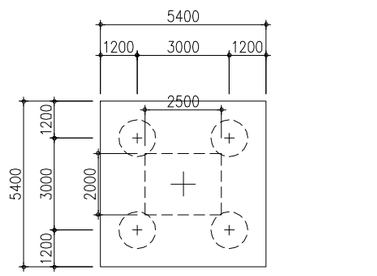
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP6-PABP9(3/3)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-66

SUBSTRUCTURE GENERAL DRAWING

ORB-P1

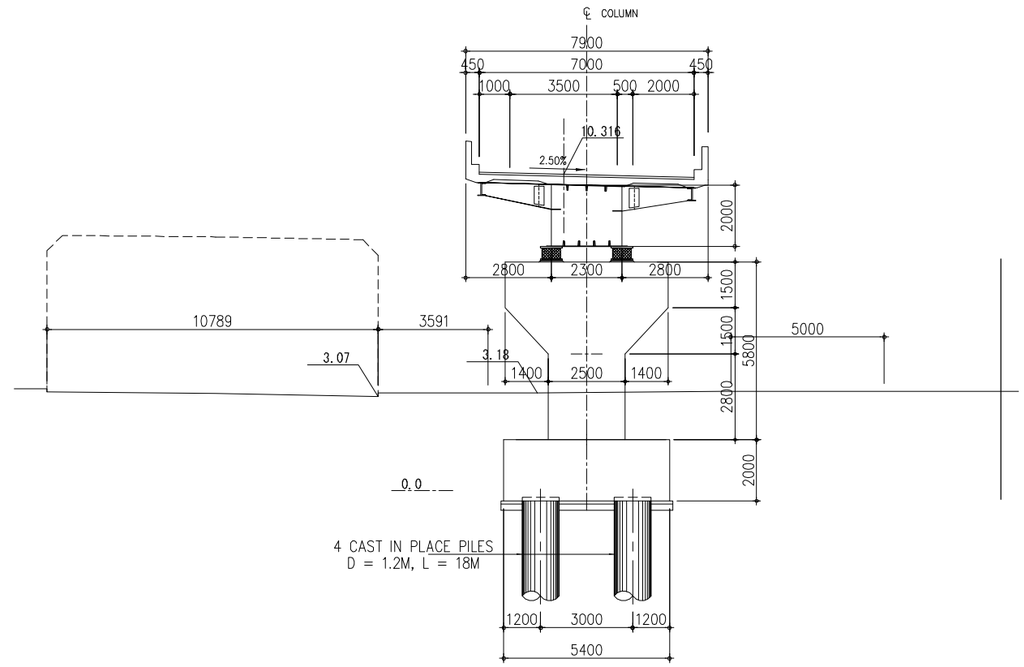


A — ELEVATION
SCALE 1:100

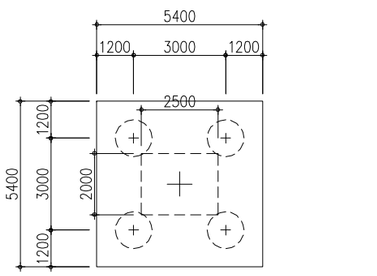


B — TYPICAL FOUNDATION PLAN
SCALE 1:100

ORB-P2



C — ELEVATION
SCALE 1:100



D — TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

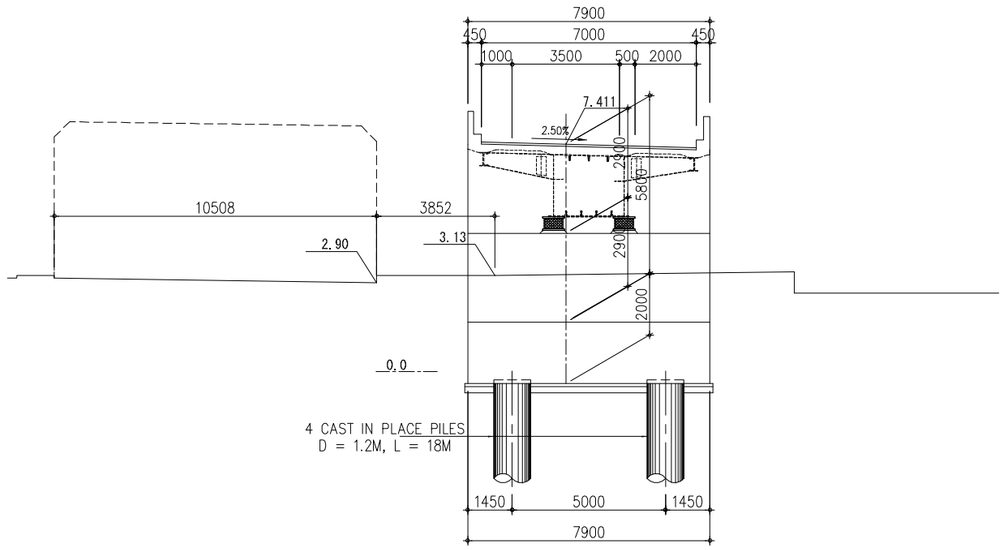
SUBSTRUCTURE GENERAL DRAWING
ORUGODAWATTA ON RAMP STEEL BOX GIRDER
ORBP1-ABUTB(1/2)

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-67

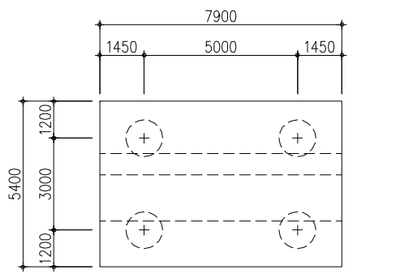
SUBSTRUCTURE GENERAL DRAWING

ORB-ABUT-B

ORB-ABUT-B
STA. 0+184.0



A – ELEVATION
SCALE 1:100

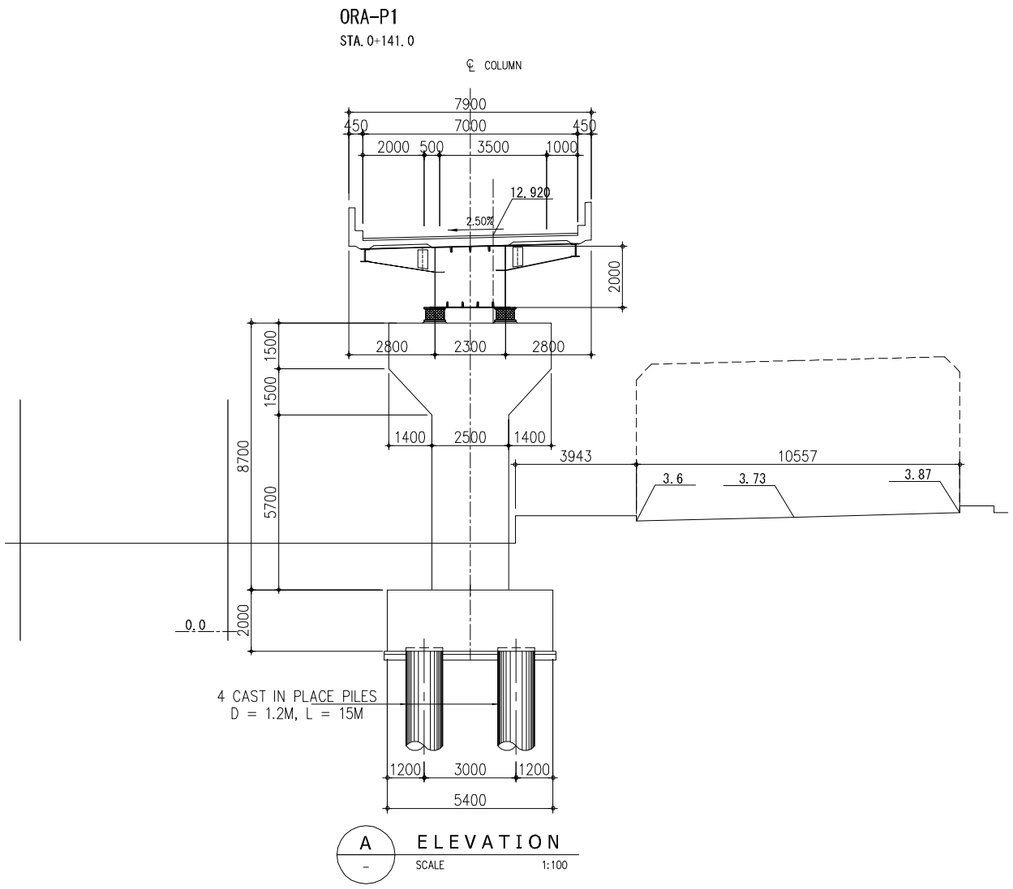


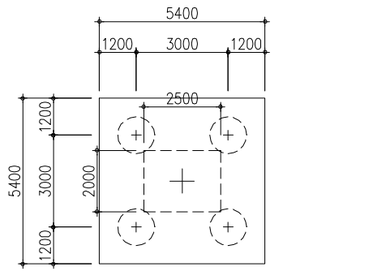
B – TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No / REVISION / DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING ORUGODAWATTA ON RAMP STEEL BOX GIRDER ORBP1-ABUTB(2/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-68

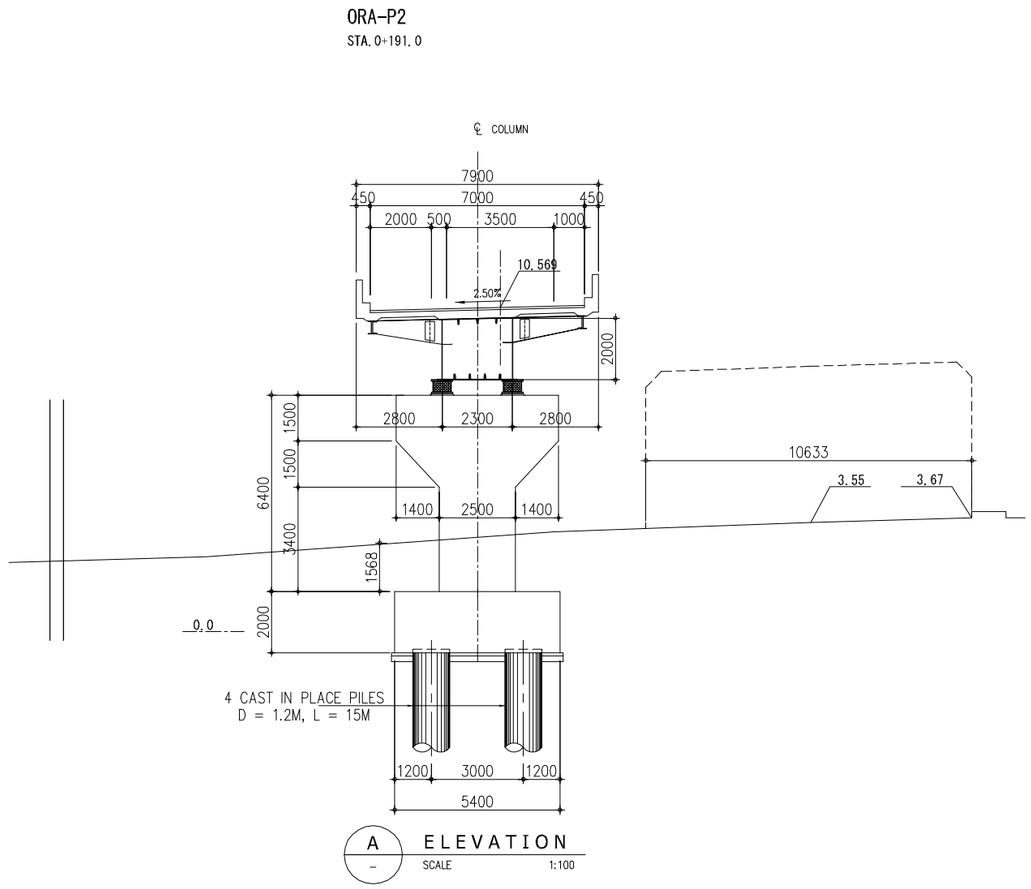
SUBSTRUCTURE GENERAL DRAWING

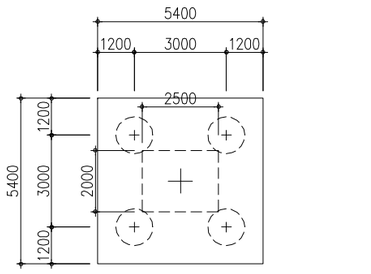
ORA-P1





ORA-P2

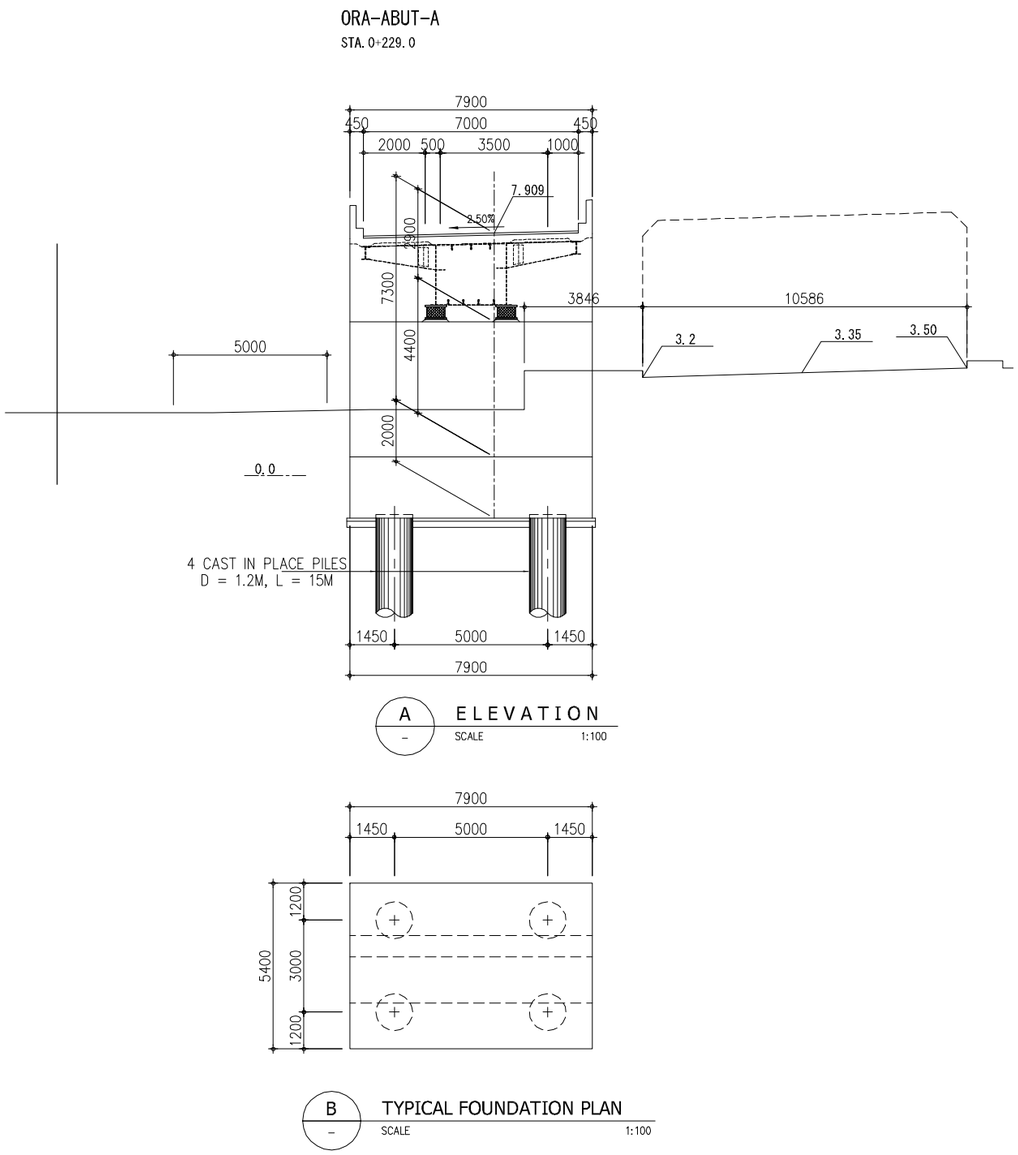




MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING ORUGODAWATTA OFF RAMP STEEL BOX GIRDER ORAP1-ABUTA(1/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-69

SUBSTRUCTURE GENERAL DRAWING

ORA-ABUT-A

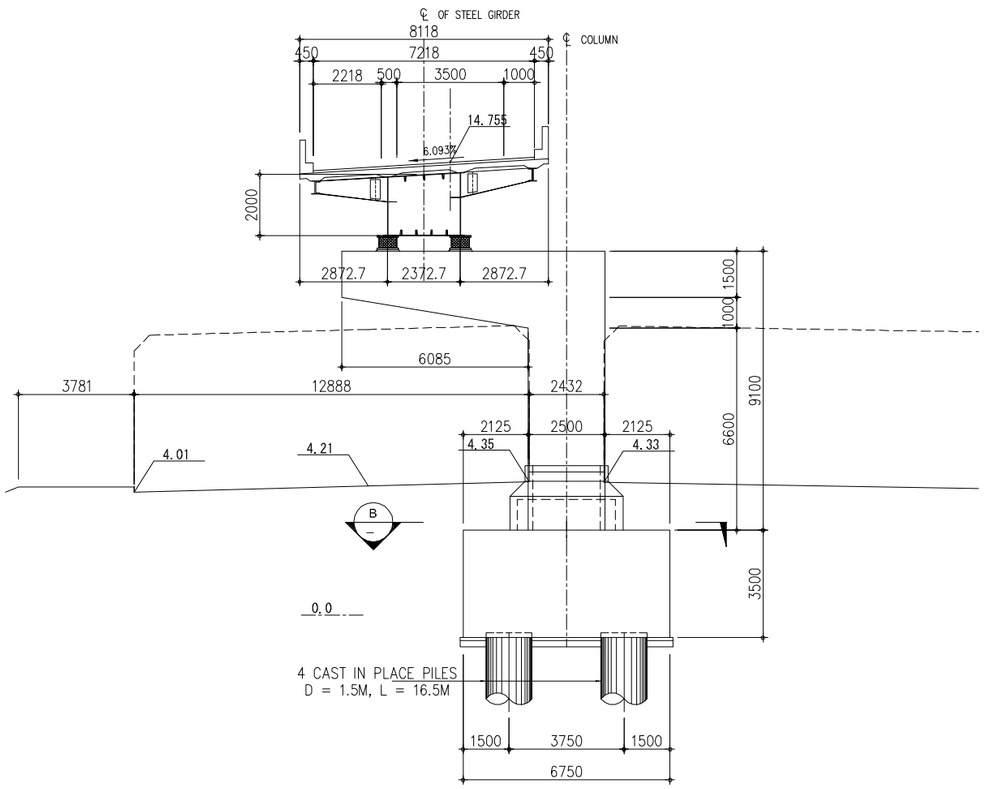


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING ORUGODAWATTA OFF RAMP STEEL BOX GIRDER ORAP1-ABUTA(2/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-70

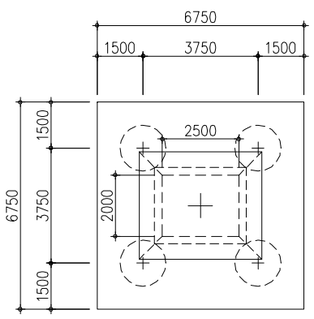
SUBSTRUCTURE GENERAL DRAWING

RA-P1

RA-P1
STA. 0+182. 0



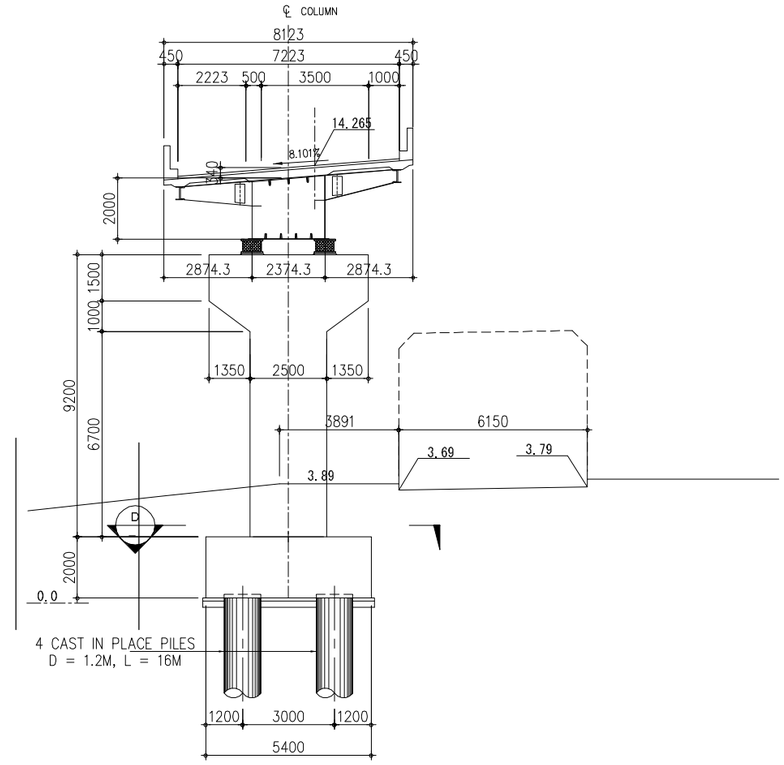
A — ELEVATION
SCALE 1:100



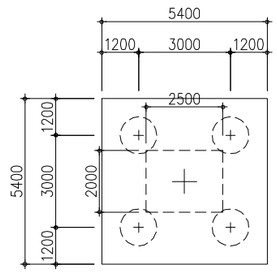
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

RA-P2

RA-P2
STA. 0+232. 0



C — ELEVATION
SCALE 1:100



D — TYPICAL FOUNDATION PLAN
SCALE 1:100

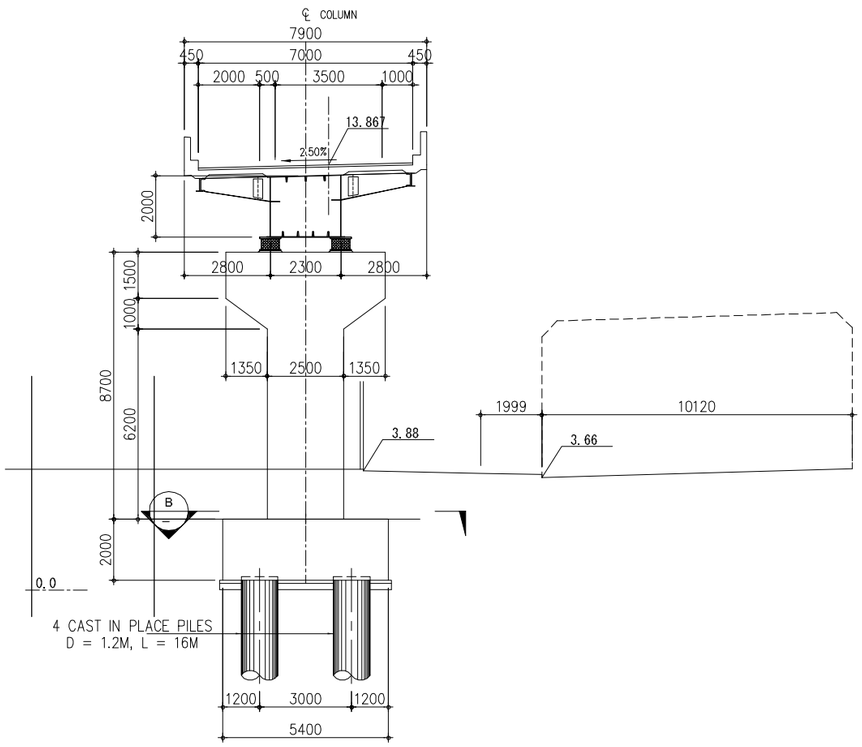
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING RAMP A STEEL BOX GIRDER RAP1-RAP4(1/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-71

No	REVISION	DATE

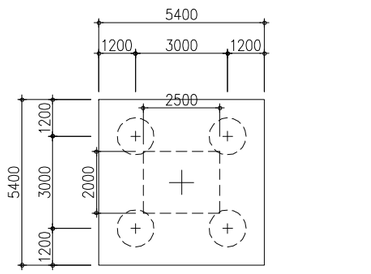
SUBSTRUCTURE GENERAL DRAWING

RA-P3

RA-P3
STA. 0+282. 0



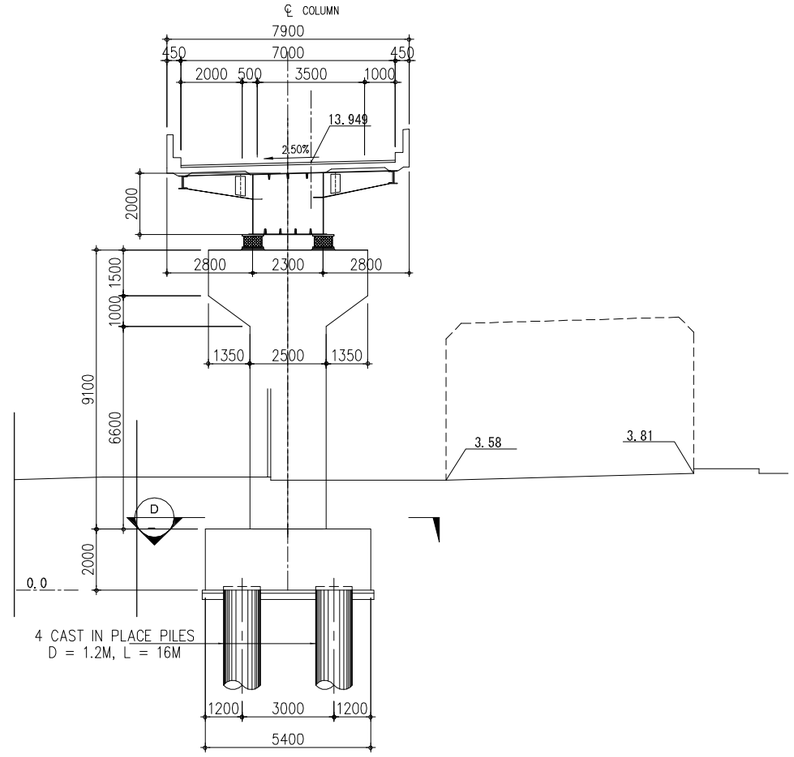
A — ELEVATION
SCALE 1:100



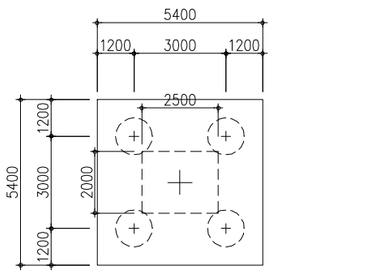
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

RA-P4

RA-P4
STA. 0+332. 0



C — ELEVATION
SCALE 1:100



D — TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

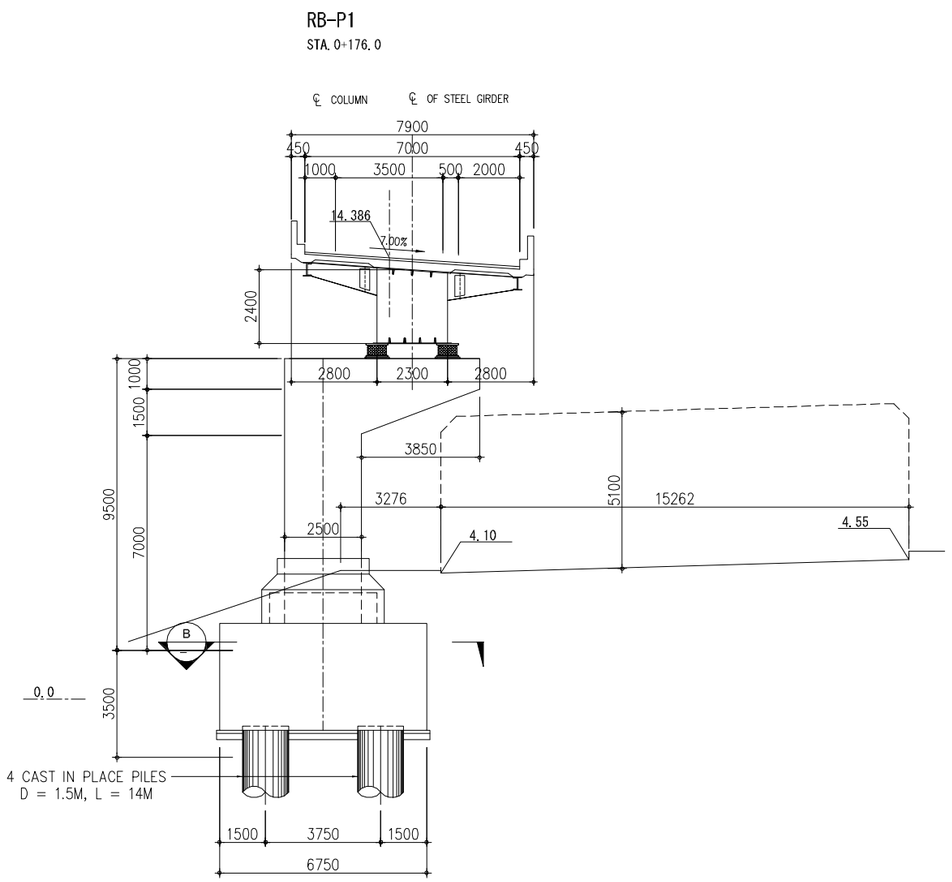
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
RAMP A STEEL BOX GIRDER
RAP1-RAP4(2/2)

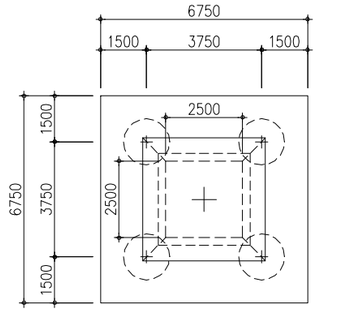
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-72

SUBSTRUCTURE GENERAL DRAWING

RB-P1

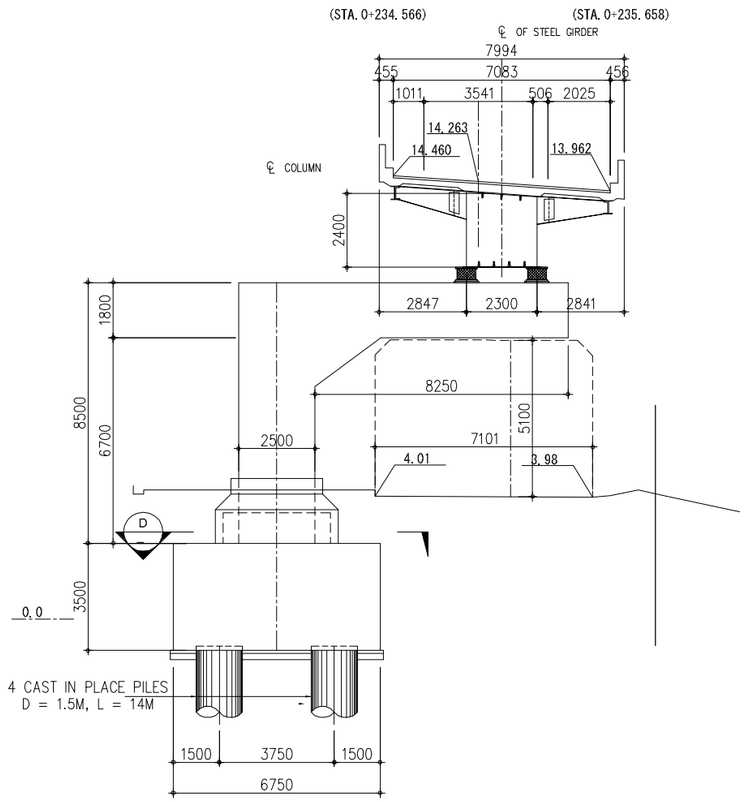


A – ELEVATION
SCALE 1:100

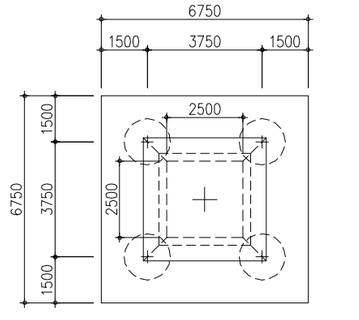


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

RB-P2



C – ELEVATION
SCALE 1:100



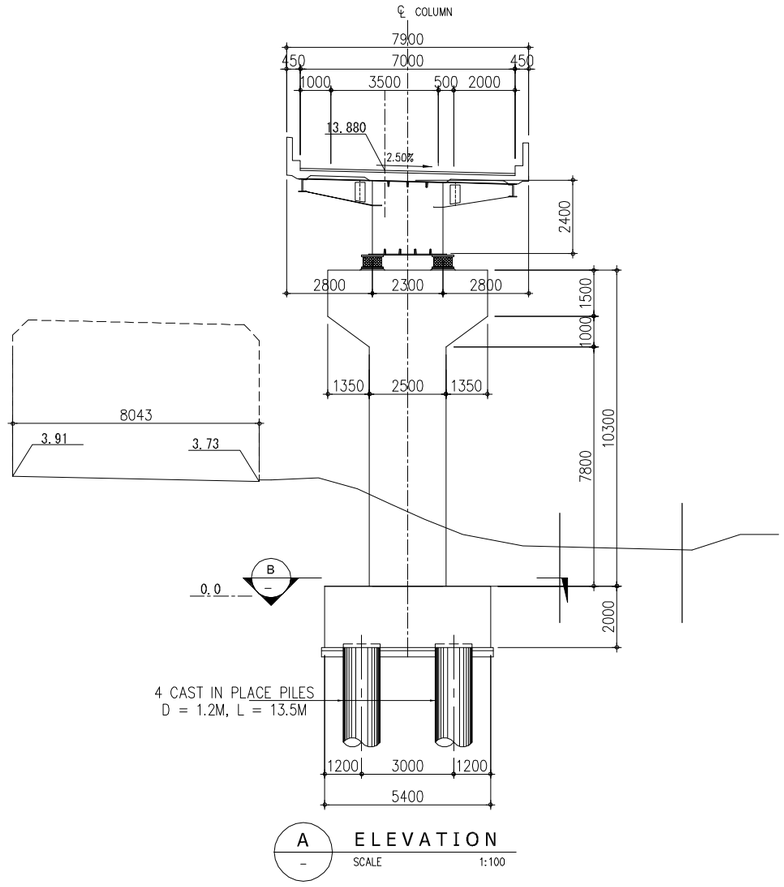
D – TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No / REVISION / DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING RAMP B STEEL BOX GIRDER RBP1-RBP4(1/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-73

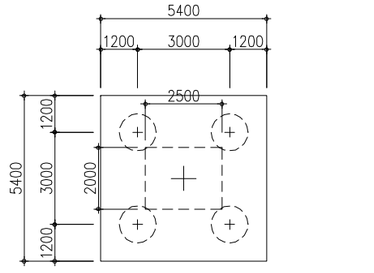
SUBSTRUCTURE GENERAL DRAWING

RB-P3

RB-P3
STA. 0+290. 0



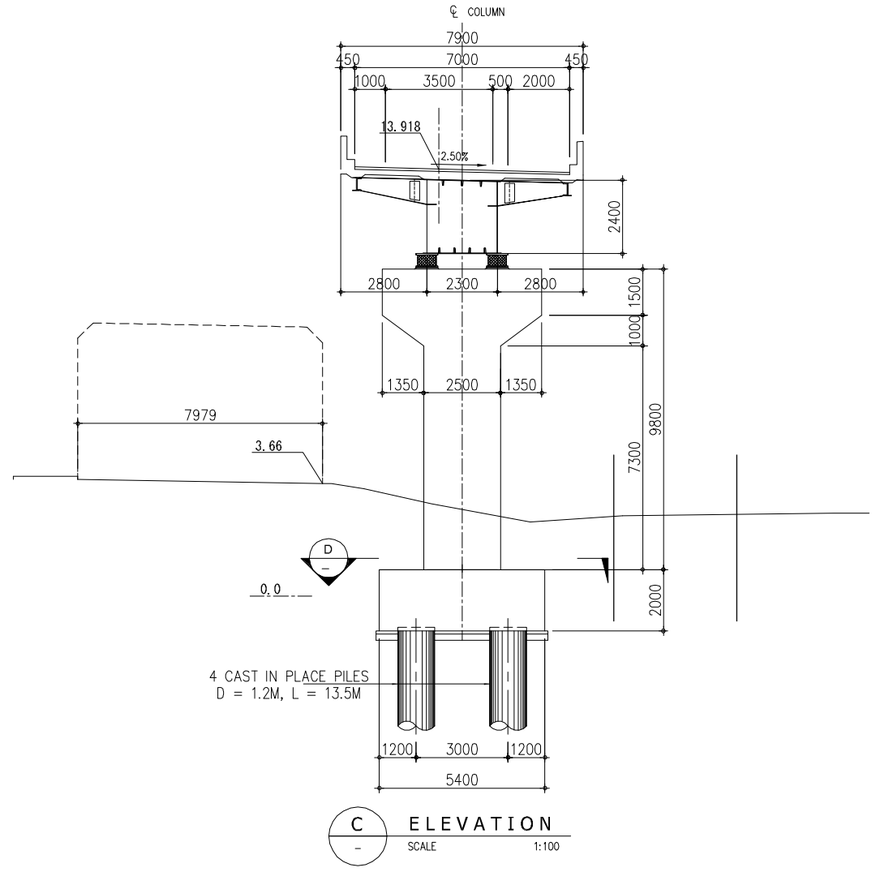
A ELEVATION
SCALE 1:100



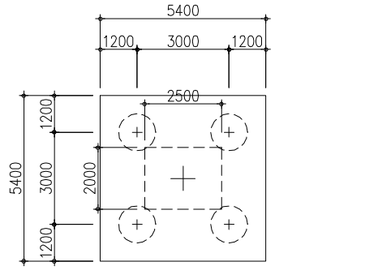
B TYPICAL FOUNDATION PLAN
SCALE 1:100

RB-P4

RB-P4
STA. 0+345. 0



C ELEVATION
SCALE 1:100



D TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

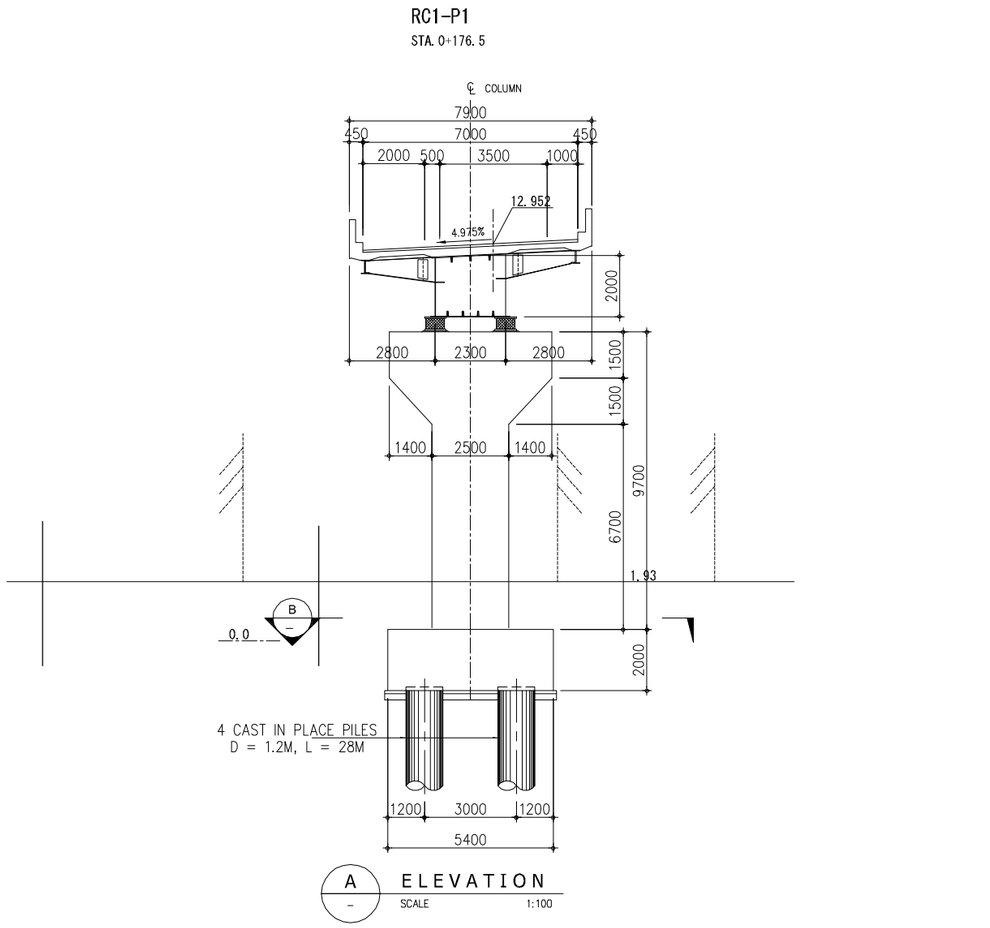
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

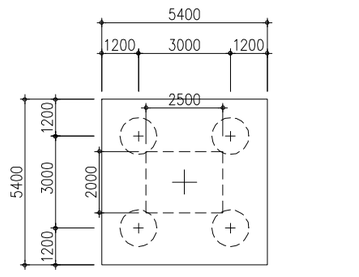
SUBSTRUCTURE GENERAL DRAWING
RAMP B STEEL BOX GIRDER
RBP1-RBP4(2/2)

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-74

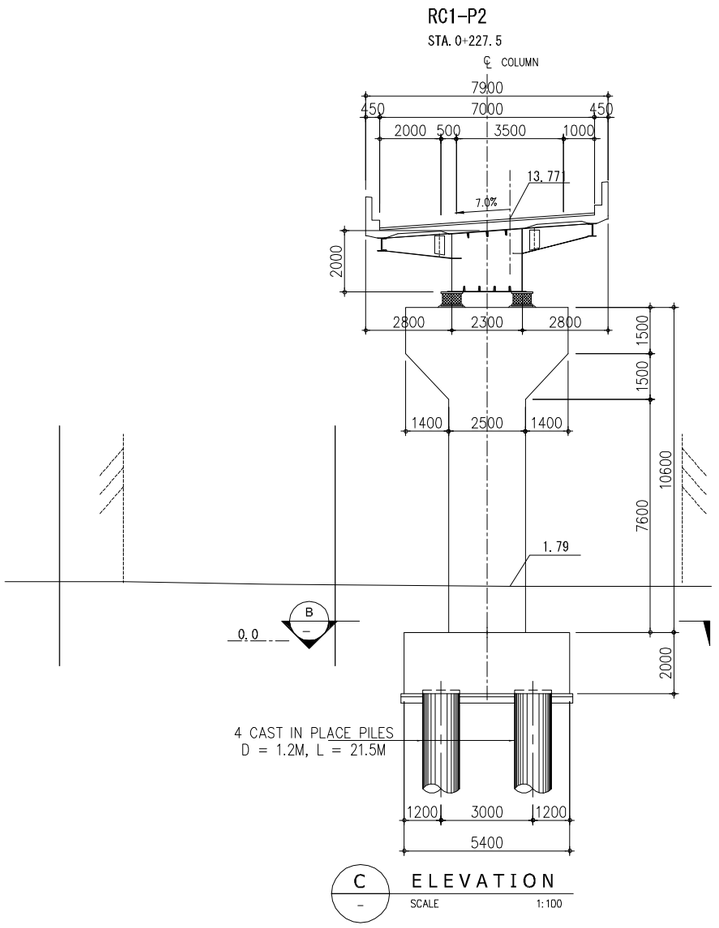
SUBSTRUCTURE GENERAL DRAWING

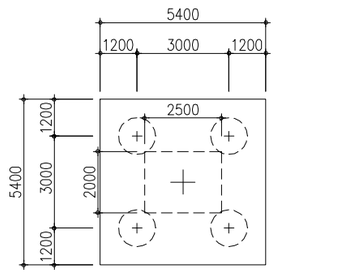
RC1-P1





RC1-P2





MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

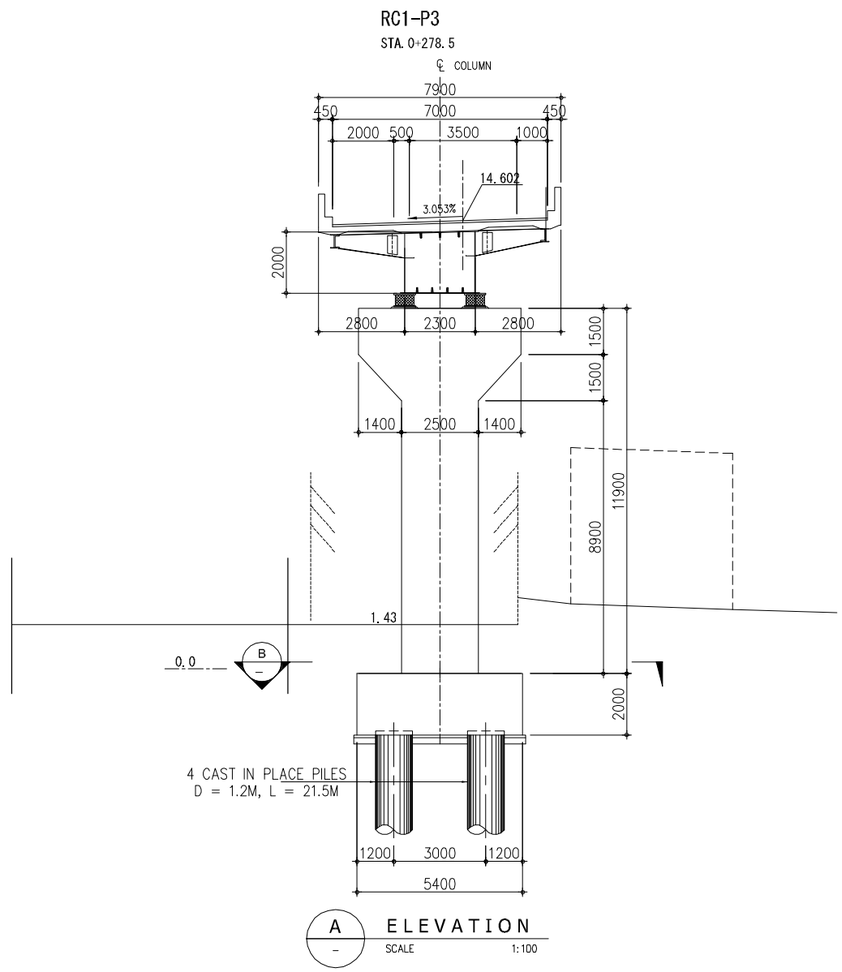
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

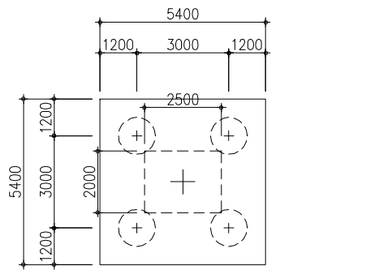
SUBSTRUCTURE GENERAL DRAWING
RAMP C1 STEEL BOX GIRDER
RC1P1-RC1P5(1/3)

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-75

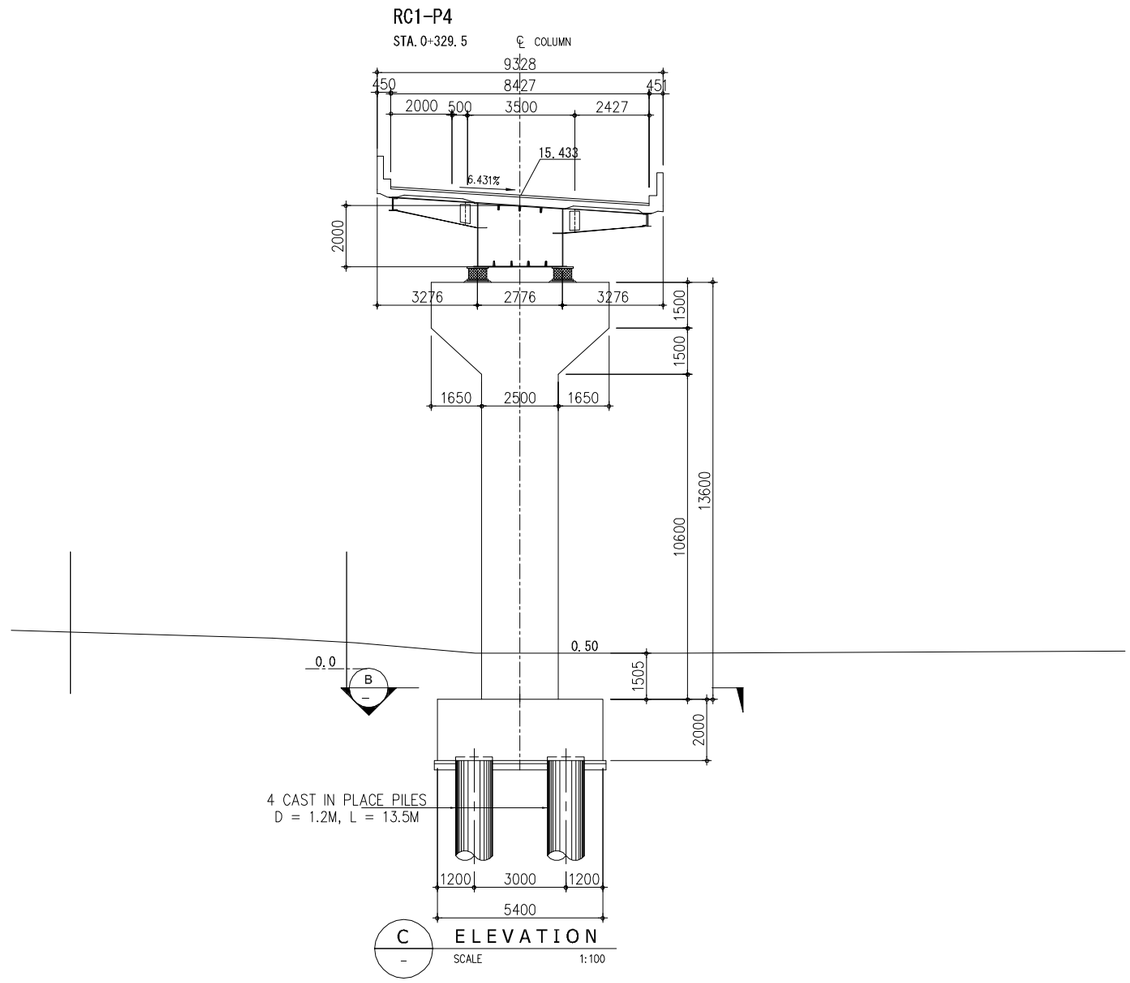
SUBSTRUCTURE GENERAL DRAWING

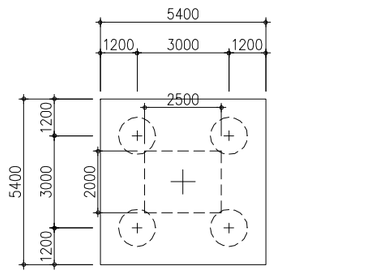
RC1-P3





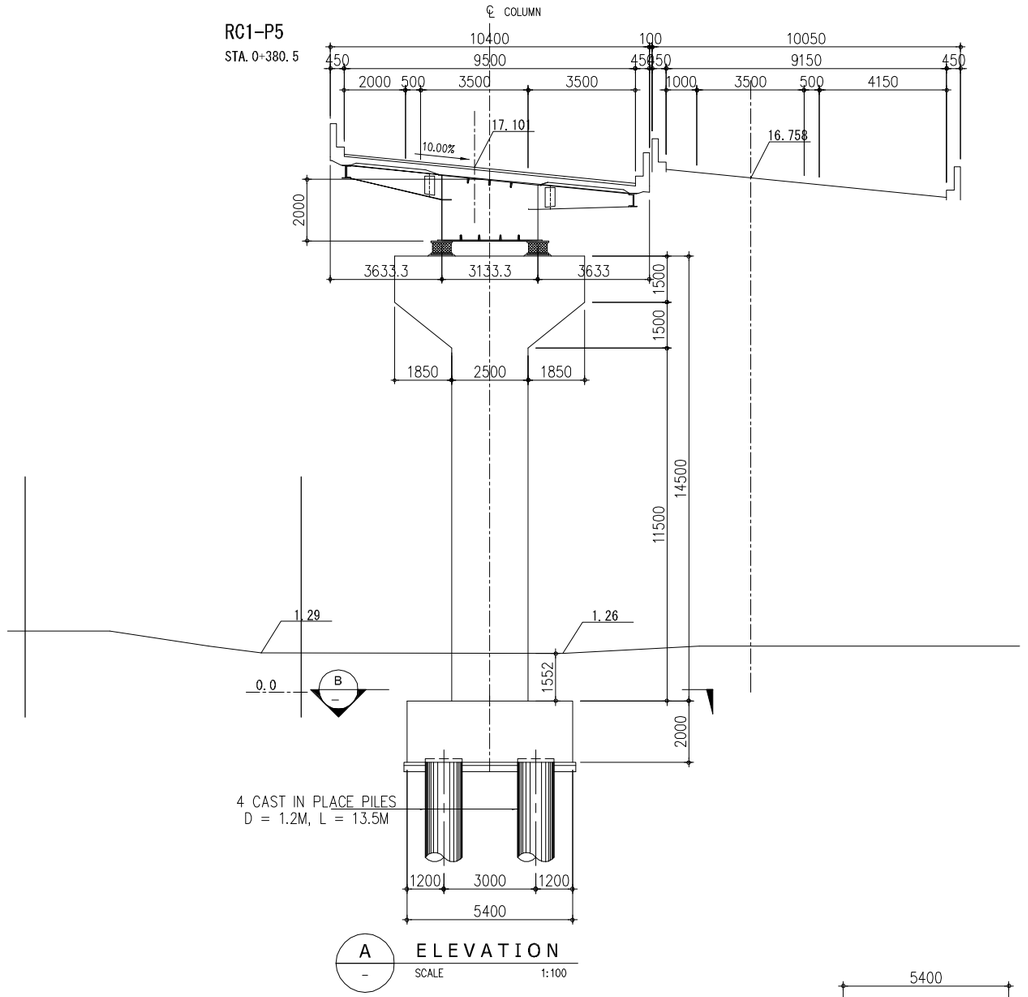
RC1-P4

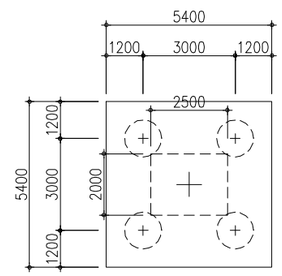




MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING RAMP C1 STEEL BOX GIRDER RC1P1-RC1P5(2/3)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-76

SUBSTRUCTURE GENERAL DRAWING
RC1-P5

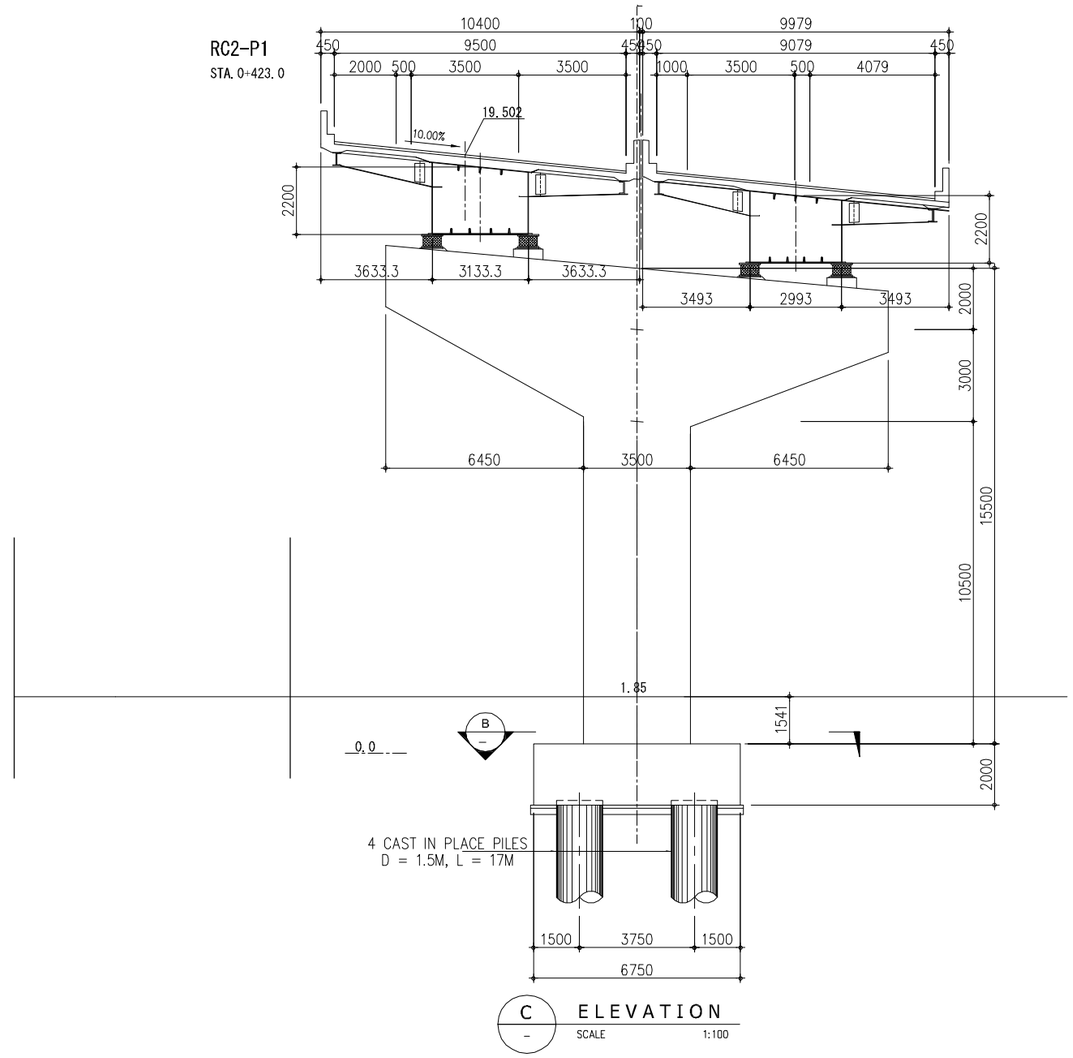




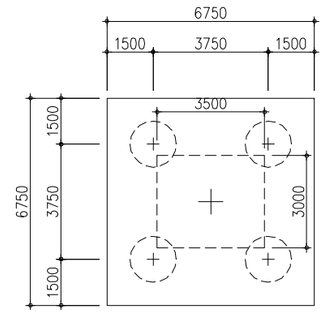
B TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING RAMP C1 STEEL BOX GIRDER RC1P1-RC1P5(3/3)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO.	 B-77

SUBSTRUCTURE GENERAL DRAWING
RC2-P1



C – ELEVATION
SCALE 1:100



D – TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

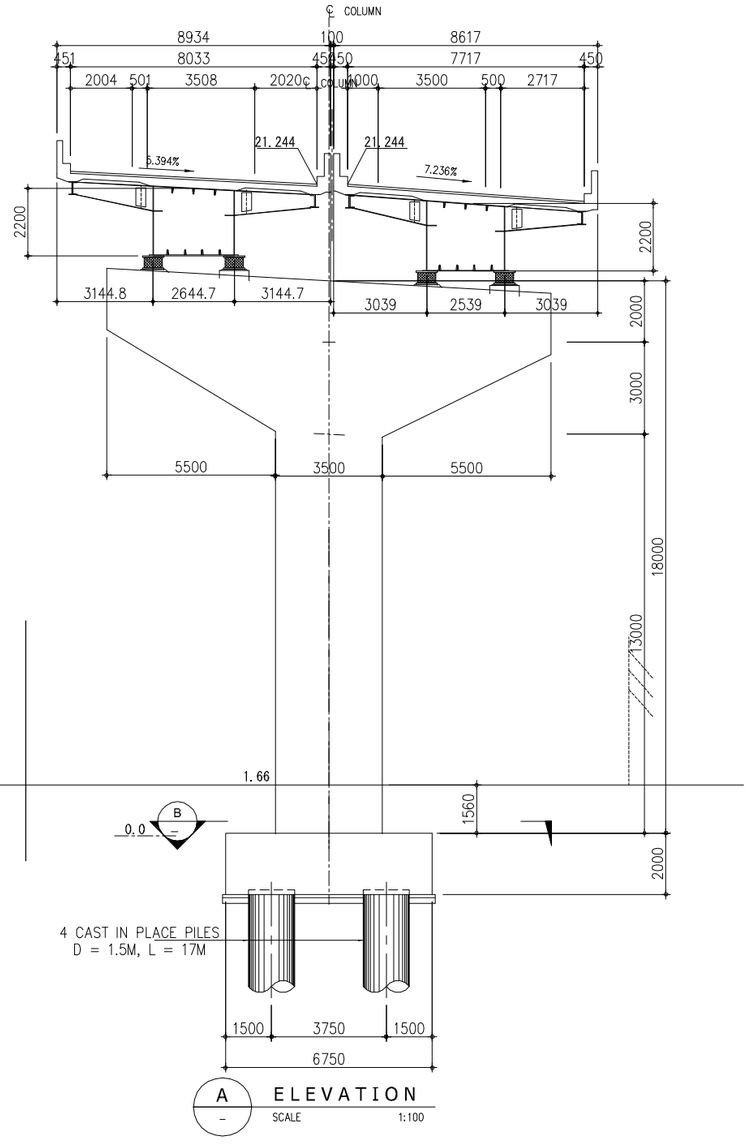
SUBSTRUCTURE GENERAL DRAWING
RAMP C2 STEEL BOX GIRDER
RC2P1-RC2P7(1/4)

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-78

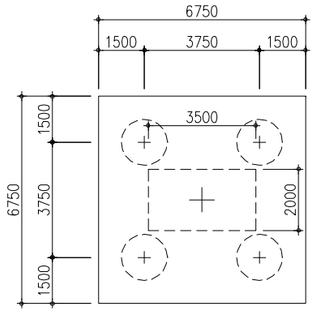
SUBSTRUCTURE GENERAL DRAWING

RC2-P2

RC2-P2
STA. 0+460. 0



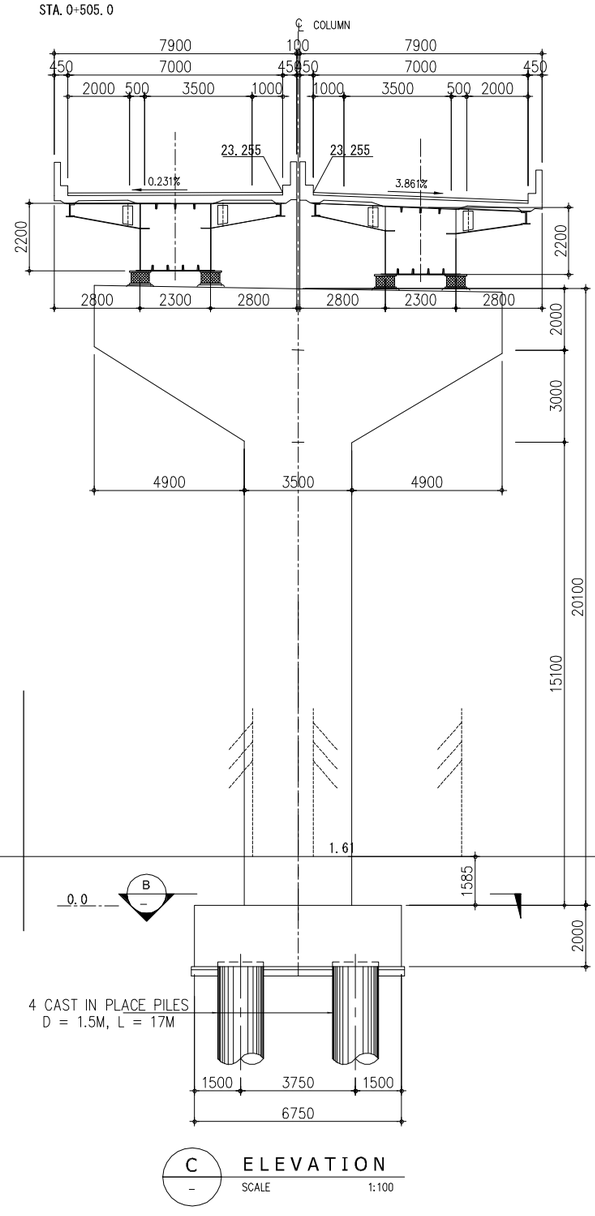
A ELEVATION
SCALE 1:100



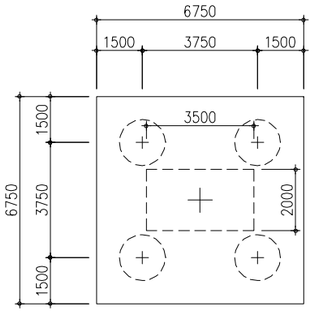
B TYPICAL FOUNDATION PLAN
SCALE 1:100

RC2-P3

RC2-P3
STA. 0+505. 0



C ELEVATION
SCALE 1:100



D TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

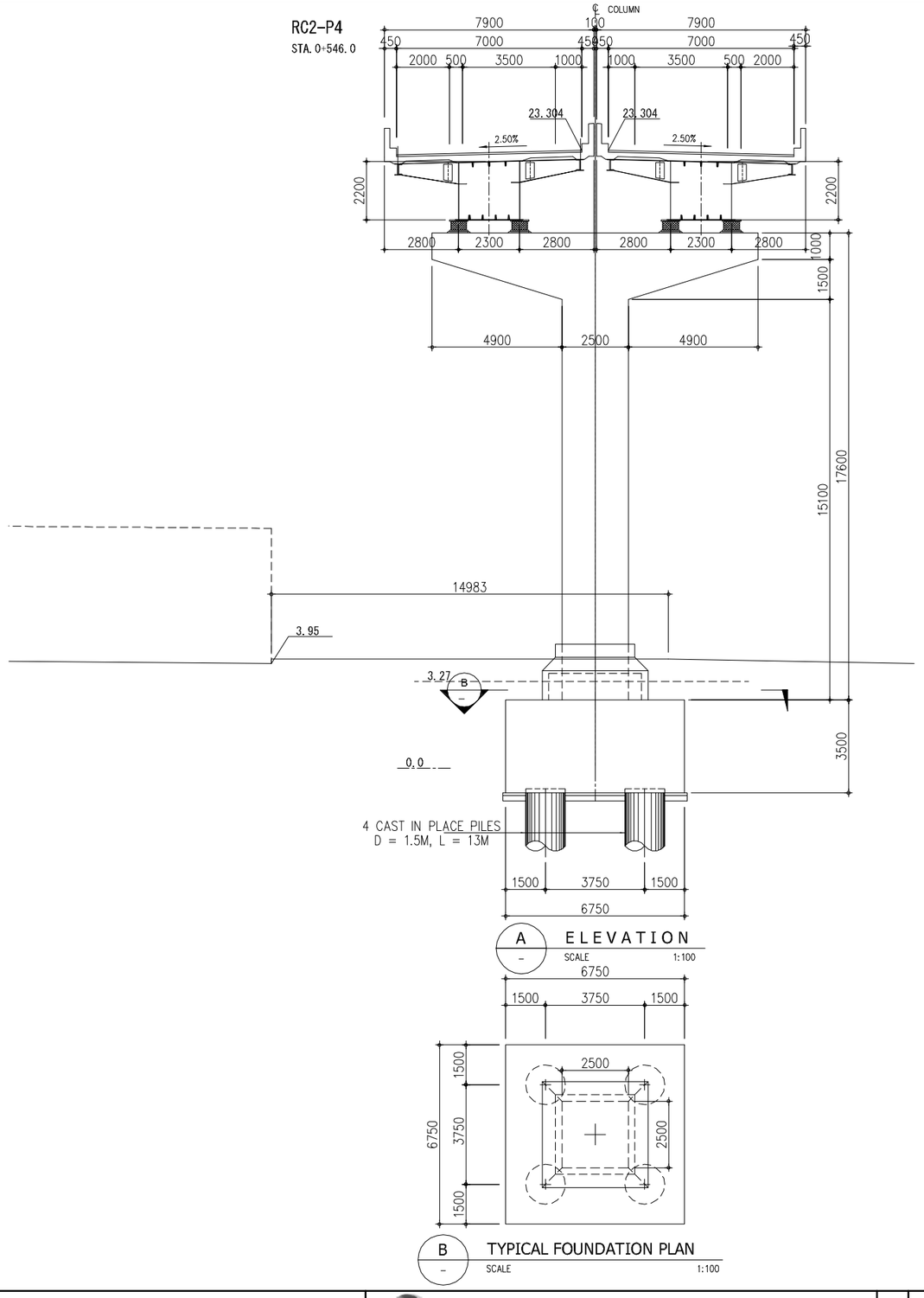
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
RAMP C2 STEEL BOX GIRDER
RC2P1-RC2P7(2/4)

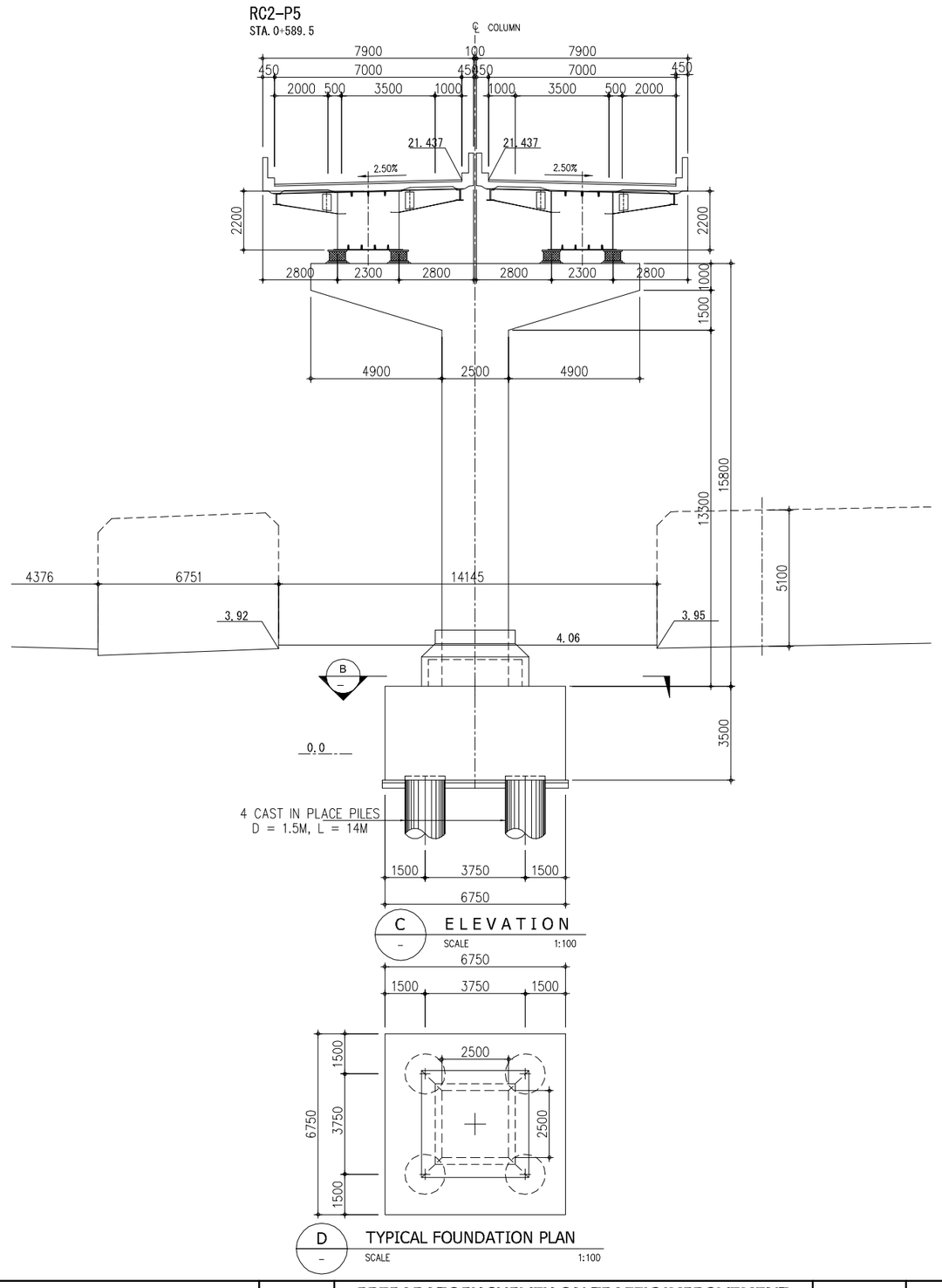
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-79

SUBSTRUCTURE GENERAL DRAWING

RC2-P4



RC2-P5



MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

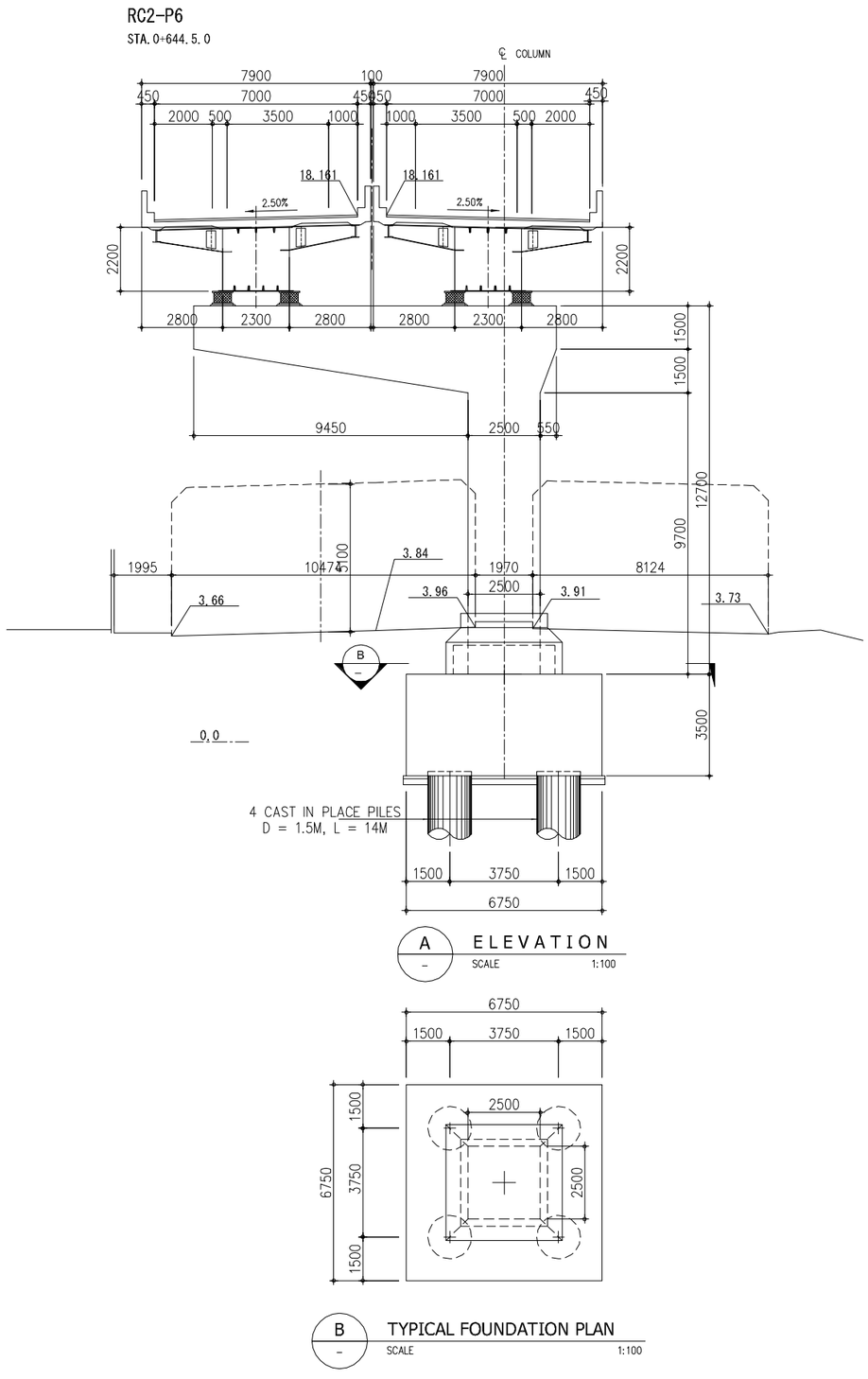
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
RAMP C2 STEEL BOX GIRDER
RC2P1-RC2P7(3/4)

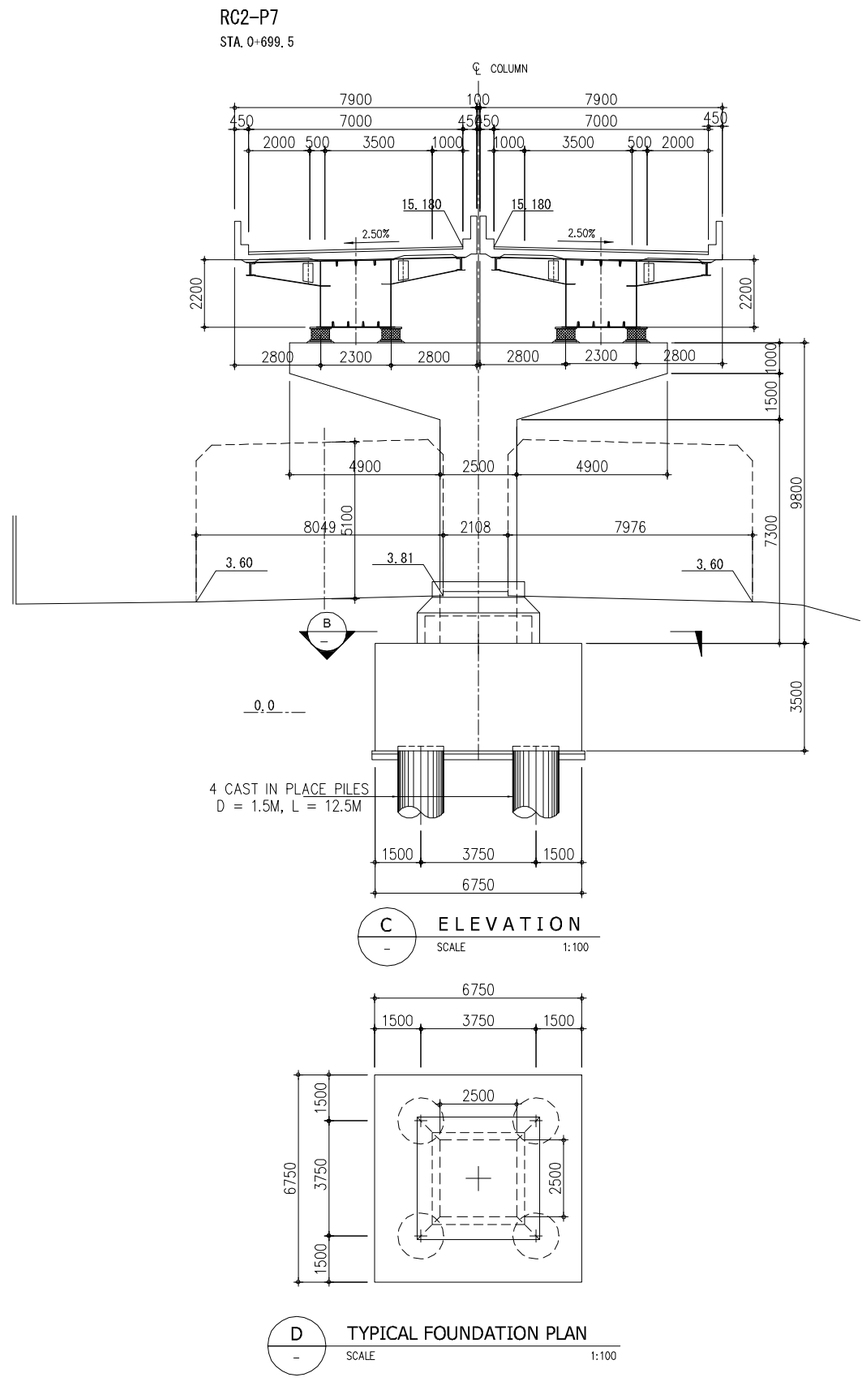
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-80

SUBSTRUCTURE GENERAL DRAWING

RC2-P6



RC2-P7



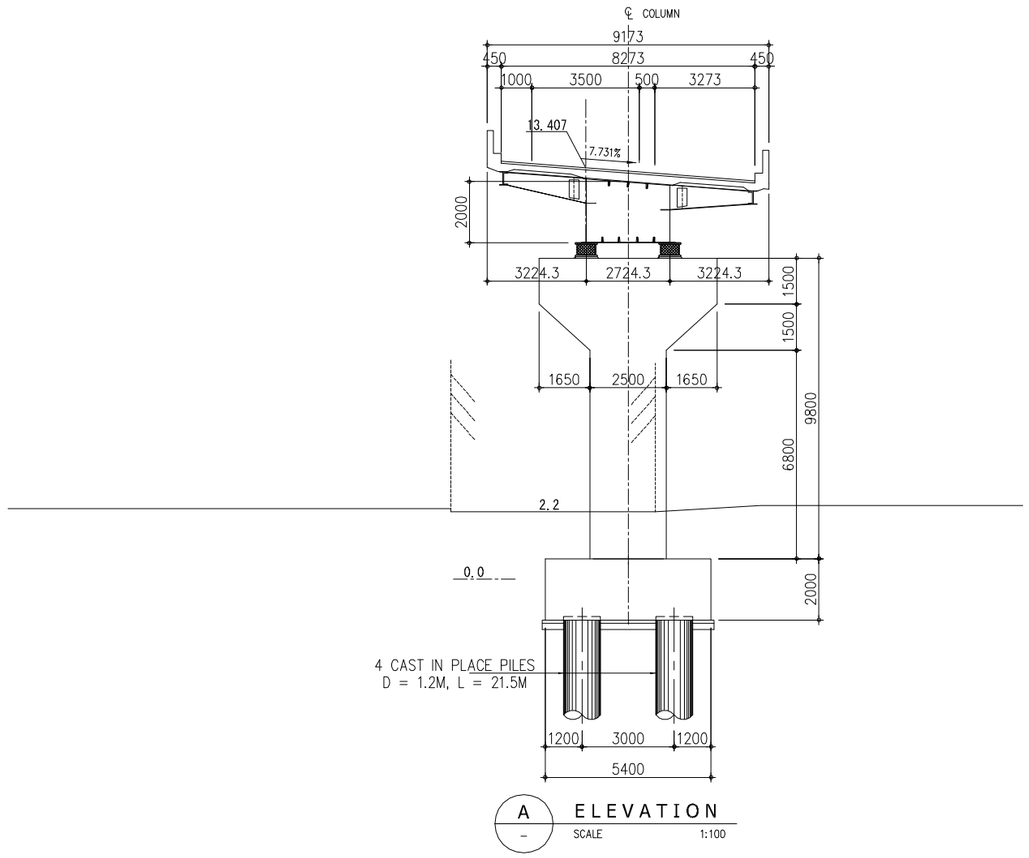
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING RAMP C2 STEEL BOX GIRDER RC2P1-RC2P7(4/4)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-81

No	REVISION	DATE

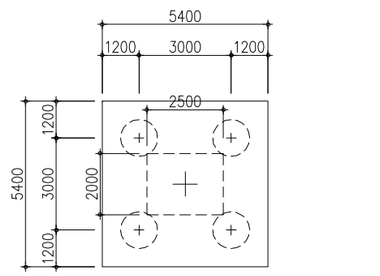
SUBSTRUCTURE GENERAL DRAWING

RD-P1

RD-P1
STA. 0+161.0



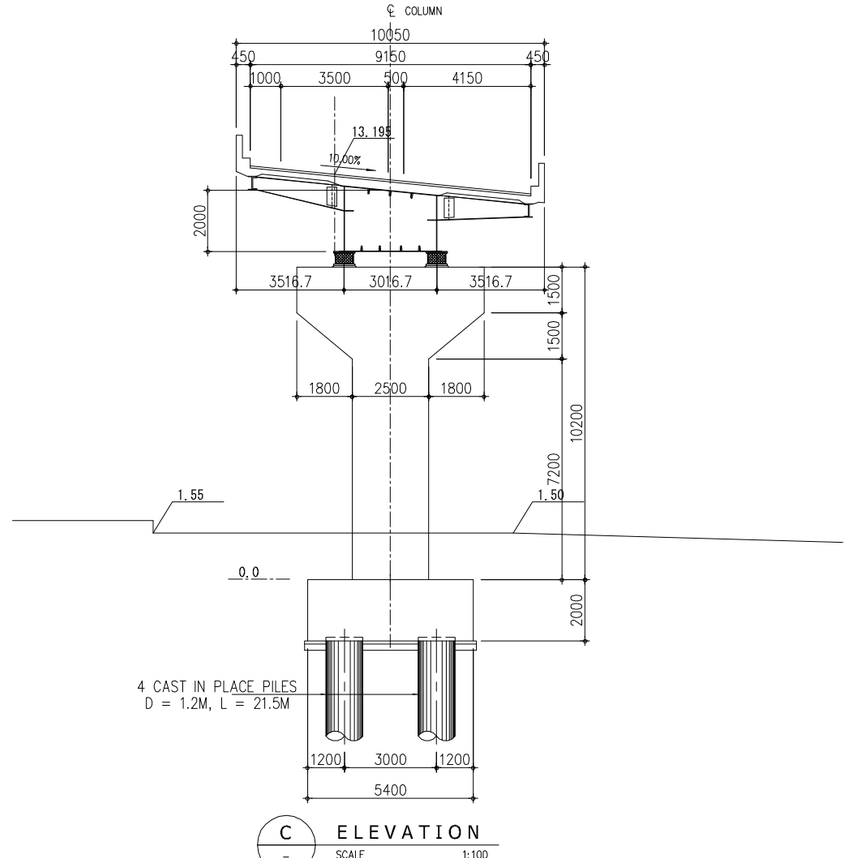
A — ELEVATION
SCALE 1:100



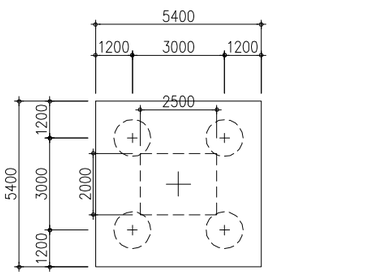
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

RD-P2

RD-P2
STA. 0+211.0



C — ELEVATION
SCALE 1:100

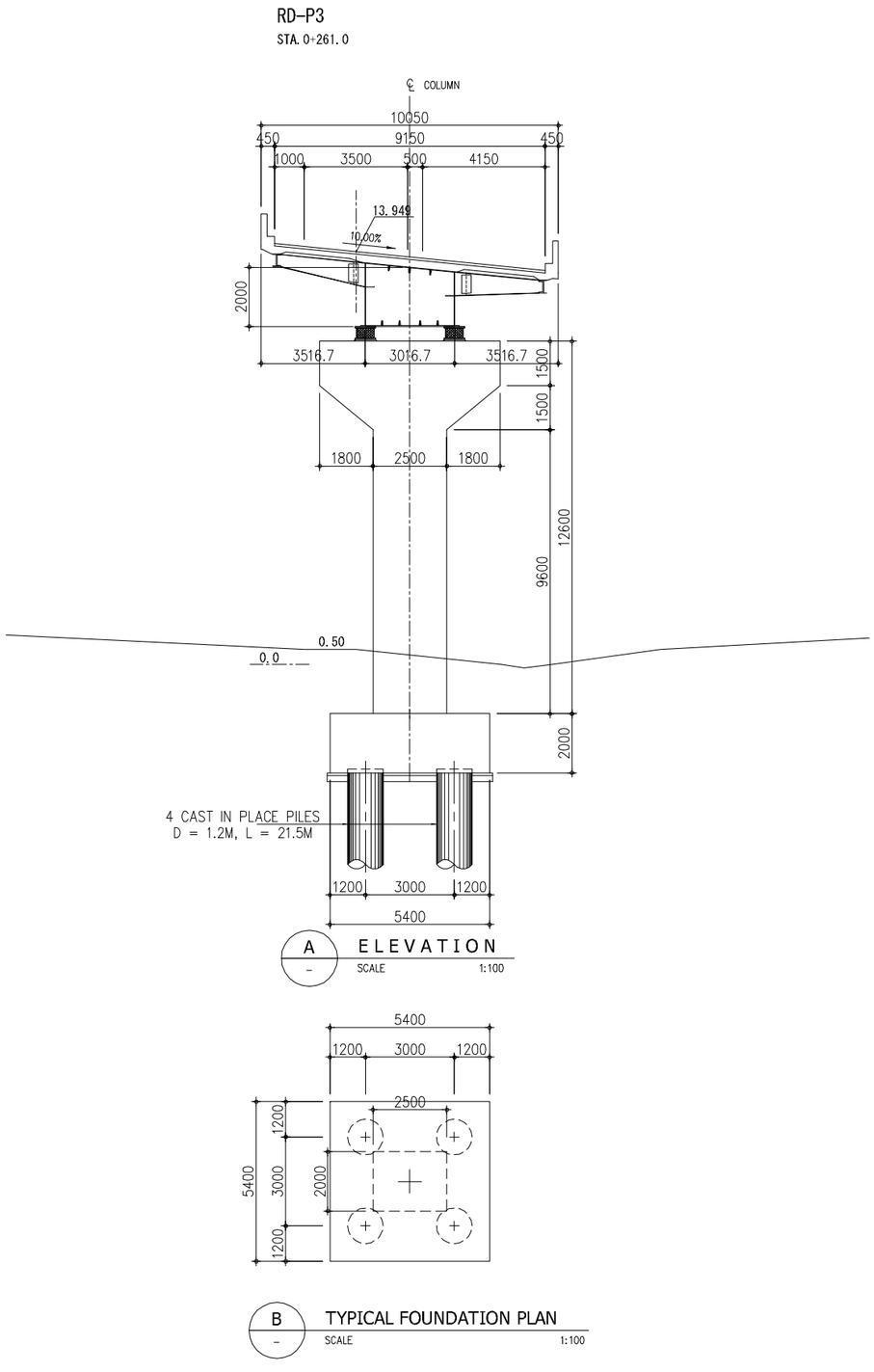


D — TYPICAL FOUNDATION PLAN
SCALE 1:100

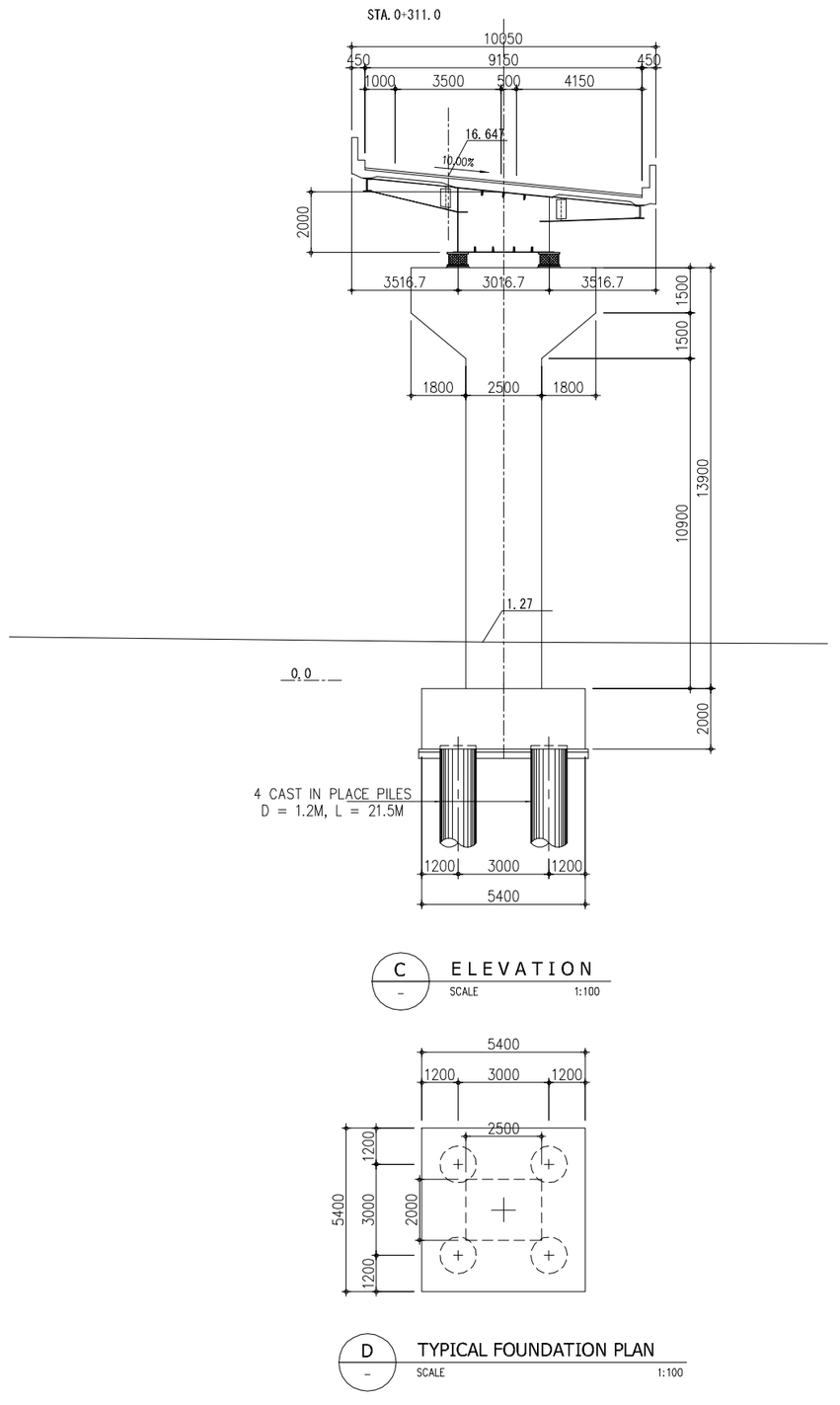
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING RAMP D STEEL BOX GIRDER RDP1-RDP4(1/2)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-82

SUBSTRUCTURE GENERAL DRAWING

RD-P3



RD-P4



MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

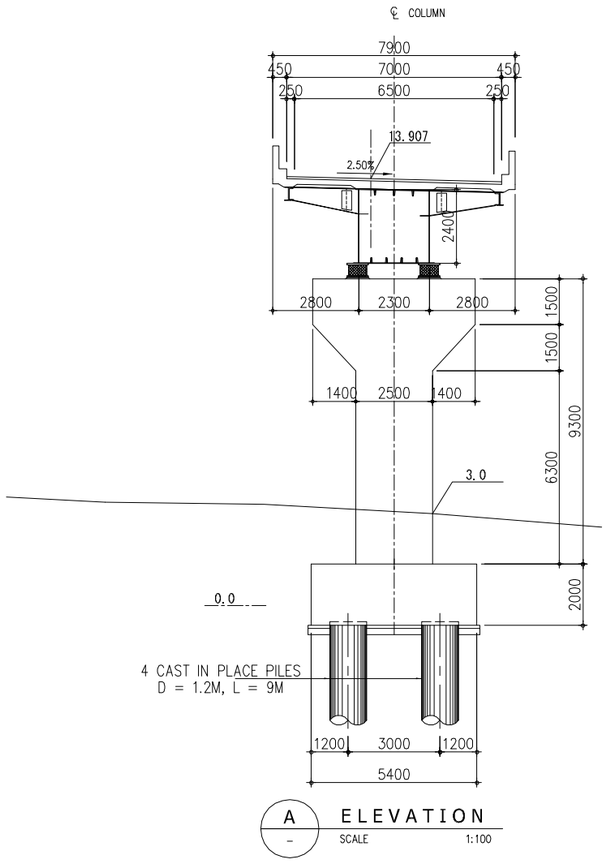
SUBSTRUCTURE GENERAL DRAWING
RAMP D STEEL BOX GIRDER
RDP1-RDP4(2/2)

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-83

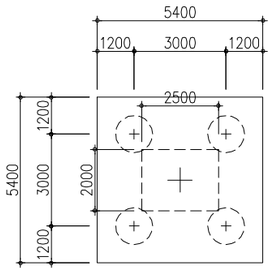
SUBSTRUCTURE GENERAL DRAWING

PJ-P1

PJ-P1
STA. 0+220. 5



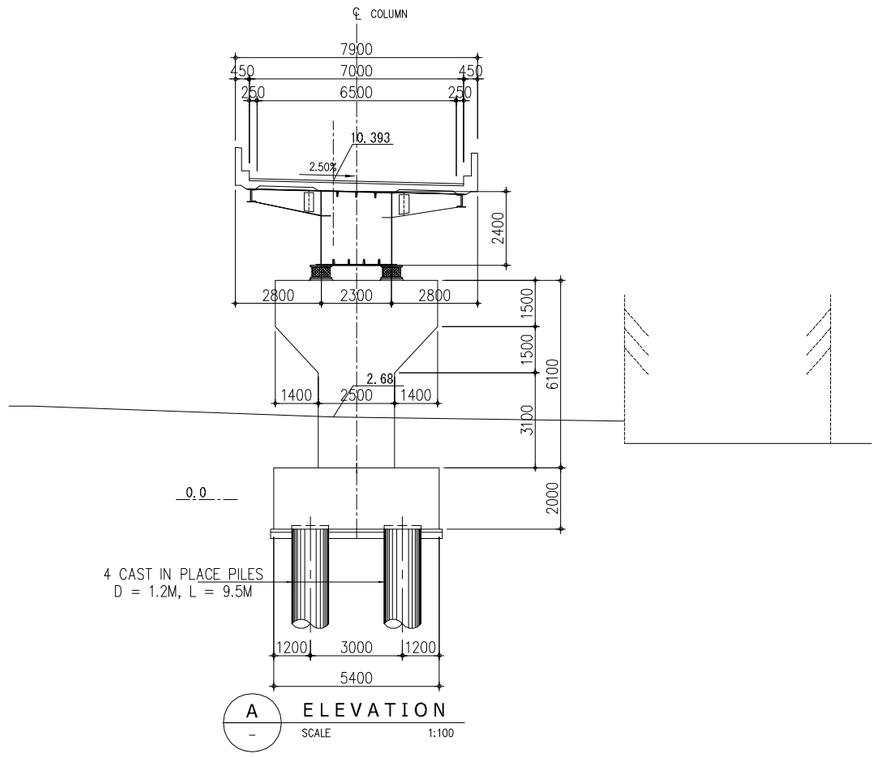
A – ELEVATION
SCALE 1:100



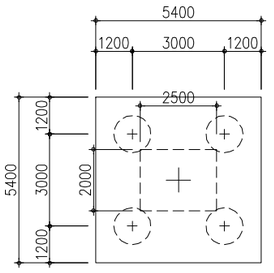
B – TYPICAL FOUNDATION PLAN
SCALE 1:100

PJ-P2

PJ-P2
STA. 0+280. 5



A – ELEVATION
SCALE 1:100



B – TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

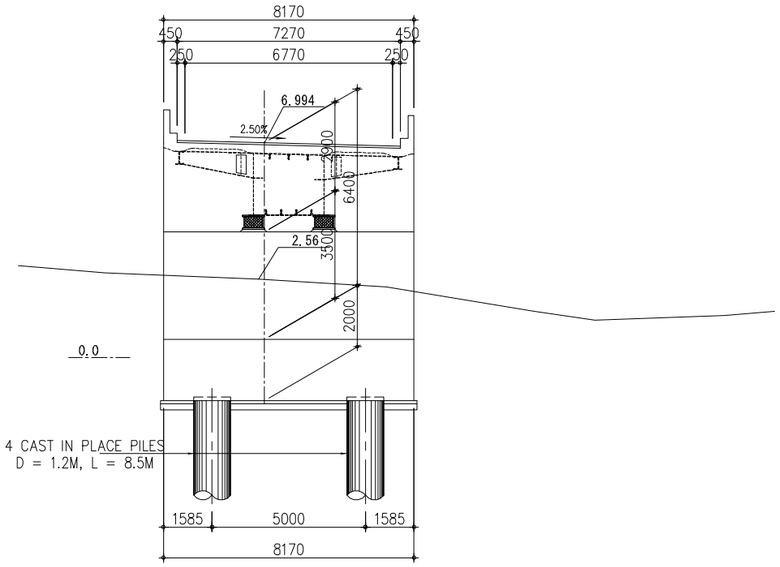
SUBSTRUCTURE GENERAL DRAWING
INGURUKADE ON RAMP STEEL BOX GIRDER
PJP1-ABUTJ(1/2)

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-84

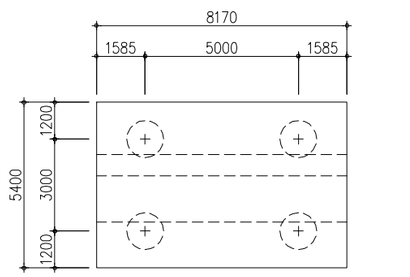
SUBSTRUCTURE GENERAL DRAWING

PJ-ABUT-J

PJ-ABUT-J
STA. 0+333. 0



A – ELEVATION
SCALE 1:100



B – TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

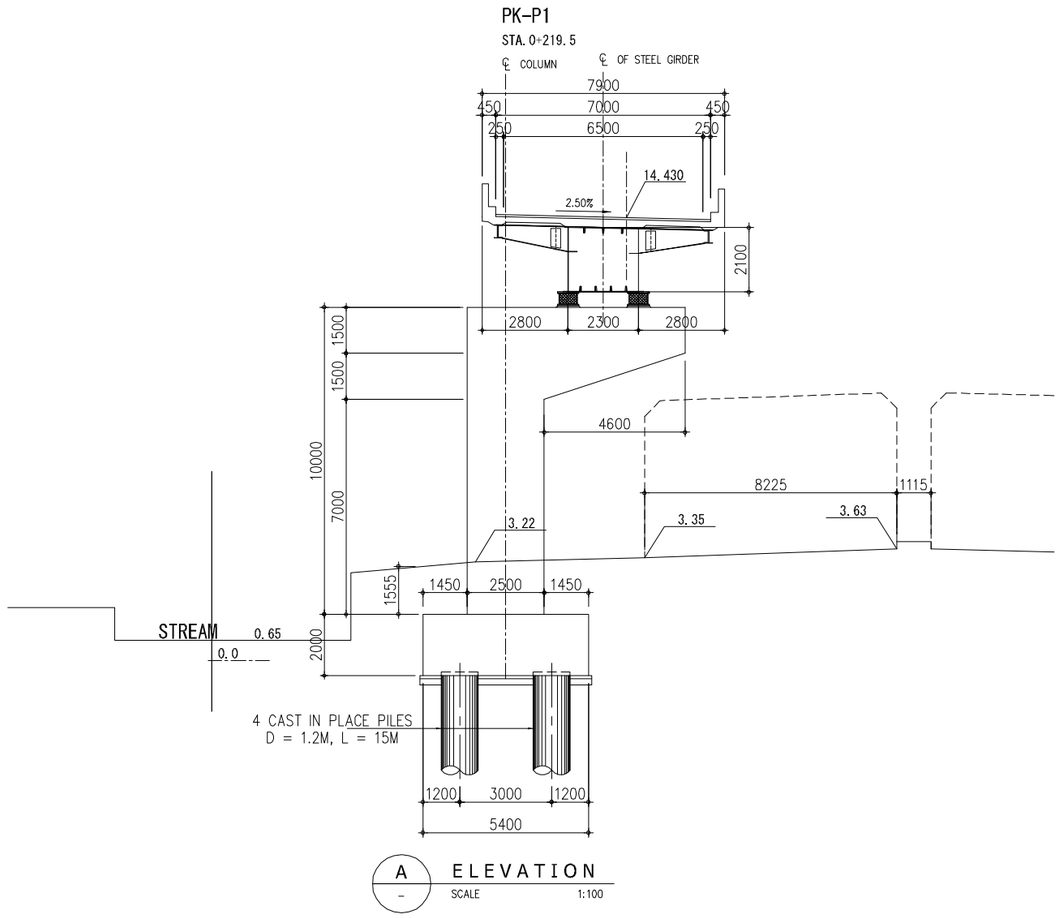
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
INGURUKADE ON RAMP STEEL BOX GIRDER
PJP1-ABUTJ(2/2)

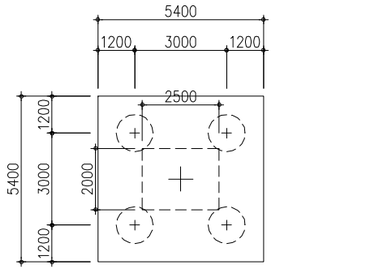
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-85

SUBSTRUCTURE GENERAL DRAWING

PK-P1

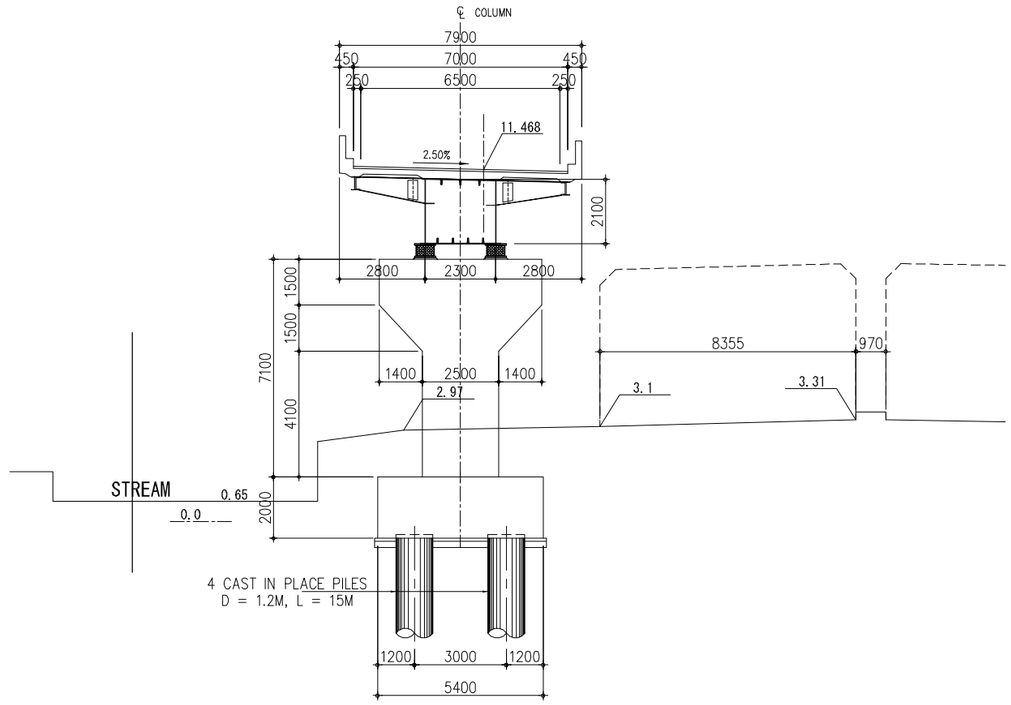


A ELEVATION
SCALE 1:100

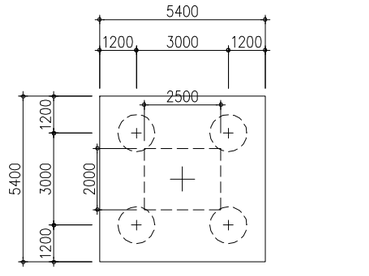


B TYPICAL FOUNDATION PLAN
SCALE 1:100

PK-P2



A ELEVATION
SCALE 1:100



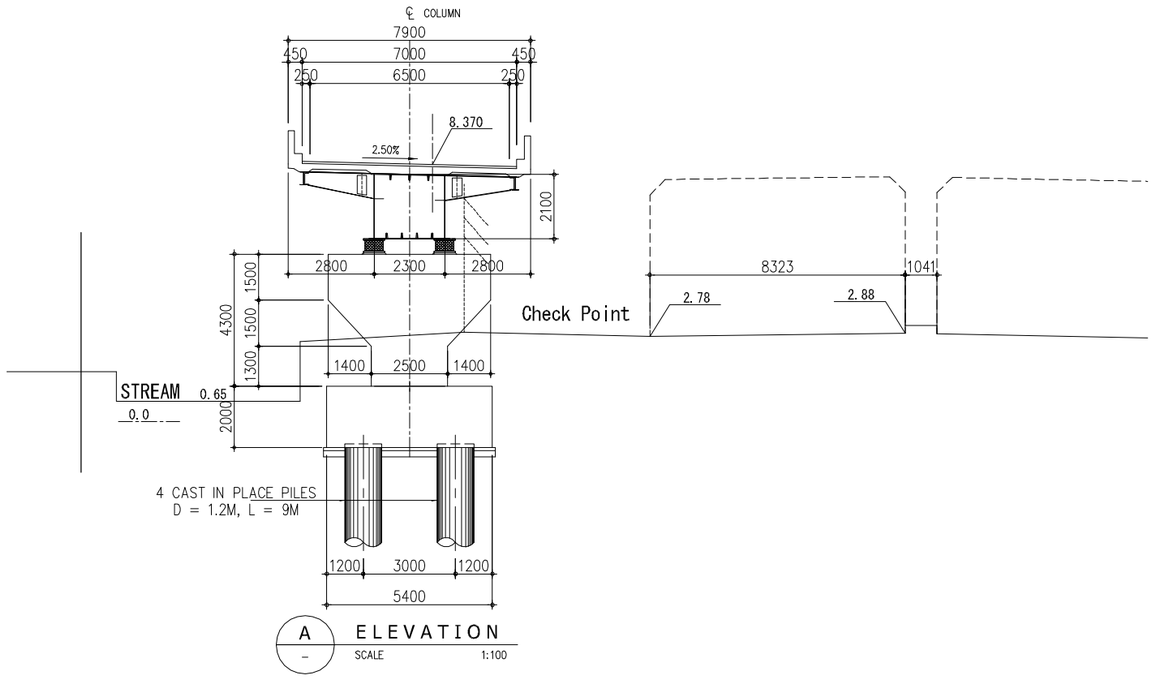
B TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL DRAWING INGURUKADE OFF RAMP STEEL BOX GIRDER PKP1-ABUTK(1/3)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-86

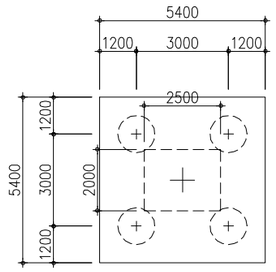
SUBSTRUCTURE GENERAL DRAWING

PK-P3

PK-P3
STA. 0+323.5



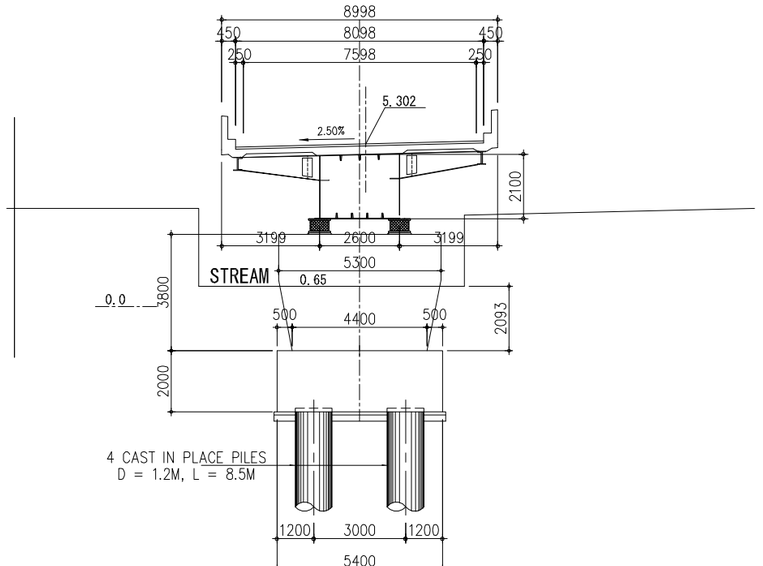
A — ELEVATION
SCALE 1:100



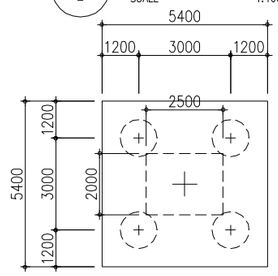
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

PK-P4

PK-P4
STA. 0+375.0



A — ELEVATION
SCALE 1:100



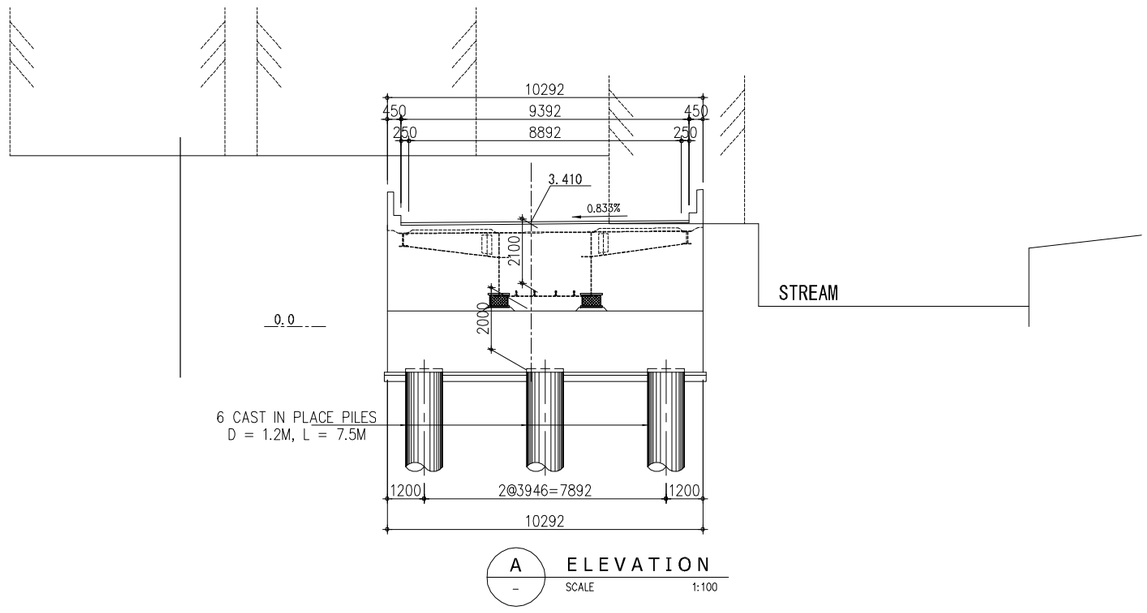
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
			CHECKED BY:
		SUBSTRUCTURE GENERAL DRAWING INGURUKADE OFF RAMP STEEL BOX GIRDER PKP1-ABUTK(2/3)	APPROVED BY:
	No / REVISION / DATE		DWG. NO. B-87

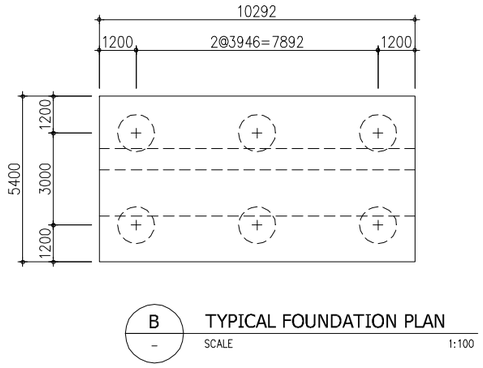
SUBSTRUCTURE GENERAL DRAWING

PK-ABUT-K

PK-ABUT-K
STA. 0+333. 0



A ELEVATION
SCALE 1:100



B TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
INGURUKADE OFF RAMP STEEL BOX GIRDER
PKP1-ABUTK(3/3)

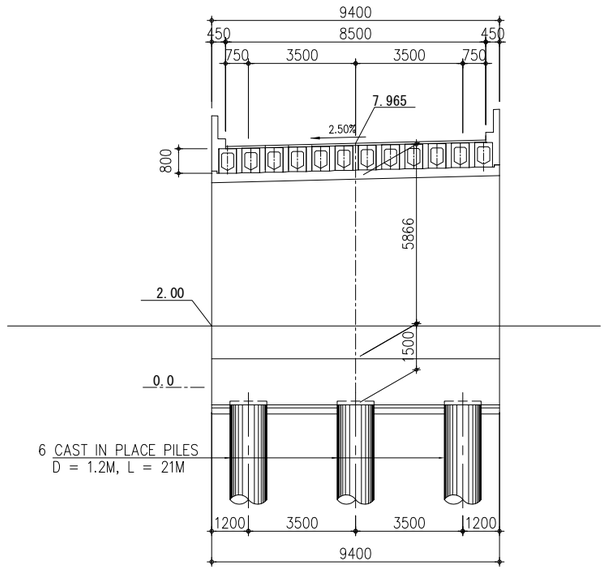
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-88

SUBSTRUCTURE GENERAL DRAWING

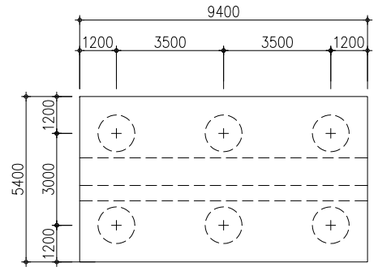
CKE-RA1

CKE-RA1

STA. 0+249.000



A – ELEVATION
SCALE 1:100

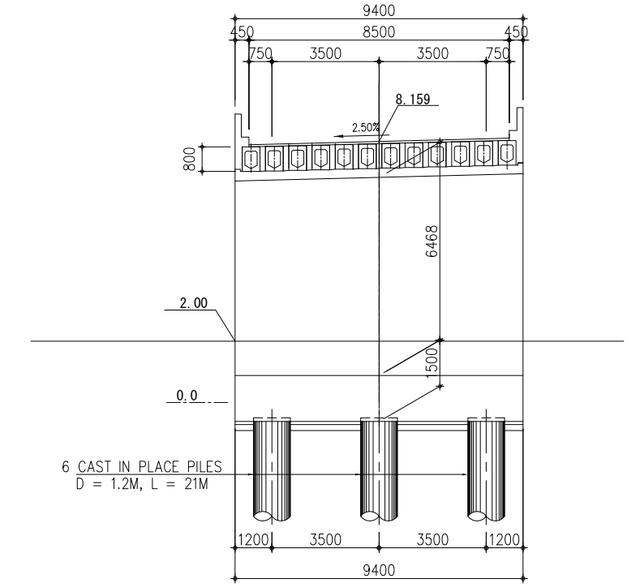


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

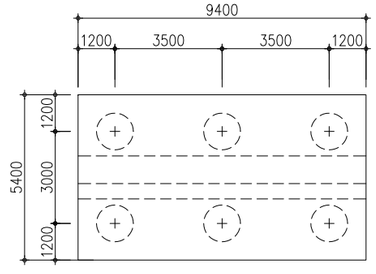
CKE-RA2

CKE-RA2

STA. 0+269.000



A – ELEVATION
SCALE 1:100



B – TYPICAL FOUNDATION PLAN
SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
NEW KELANI BRIDGE A RAMP
PC HOLLOW GIRDER, PC T GIRDER(1/2)

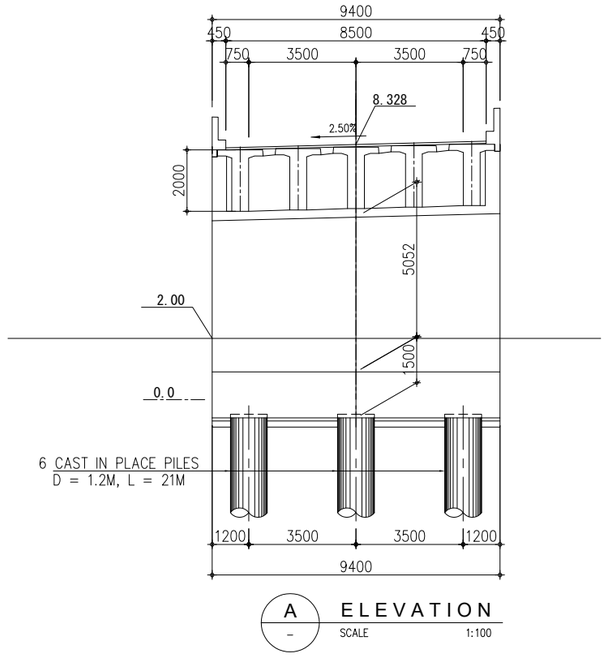
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-89

SUBSTRUCTURE GENERAL DRAWING

CKE-RA3

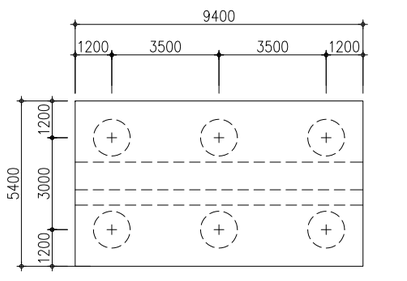
CKE-RA3

STA. 0+303. 000



A – ELEVATION

SCALE 1:100



B – TYPICAL FOUNDATION PLAN

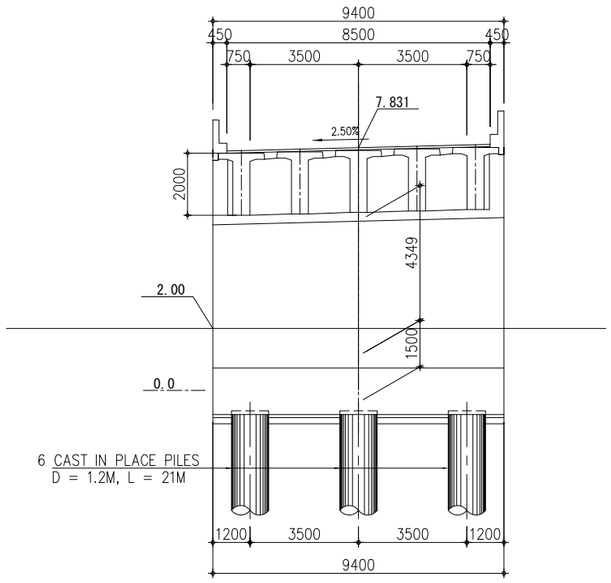
SCALE 1:100

CKE-RA4

CKE-RA4

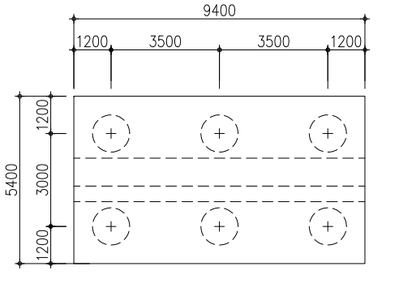
STA. 0+327. 000

CKE-RA3, RA4



A – ELEVATION

SCALE 1:100



B – TYPICAL FOUNDATION PLAN

SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
NEW KELANI BRIDGE A RAMP
PC HOLLOW GIRDER, PC T GIRDER(2/2)

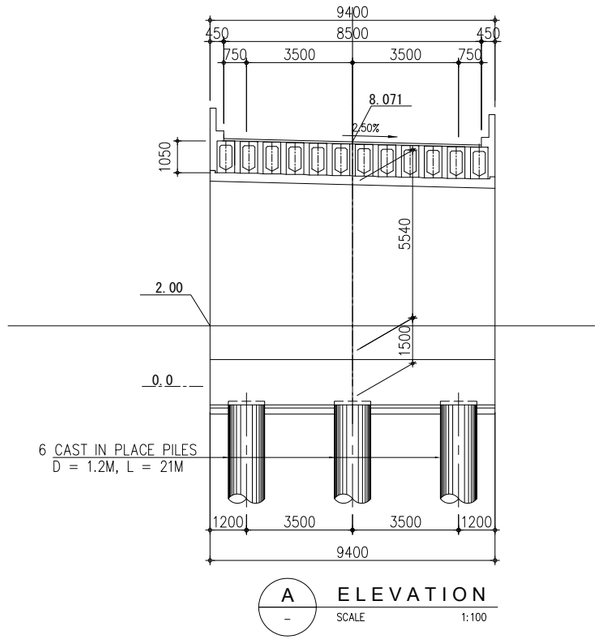
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-90

SUBSTRUCTURE GENERAL DRAWING

CKE-RB1

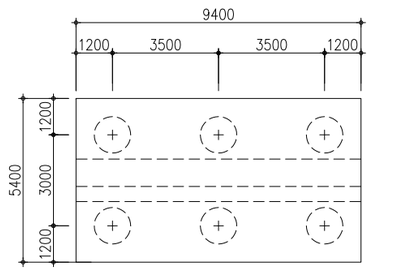
CKE-RB1

STA. 0+351. 000



A – ELEVATION

SCALE 1:100



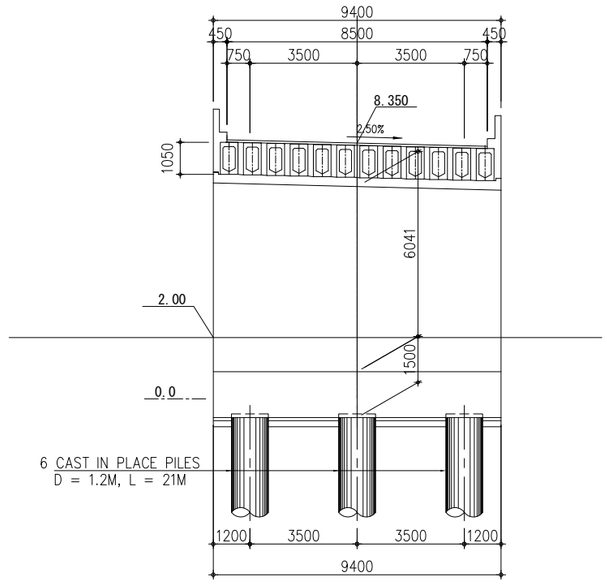
B – TYPICAL FOUNDATION PLAN

SCALE 1:100

CKE-RB2

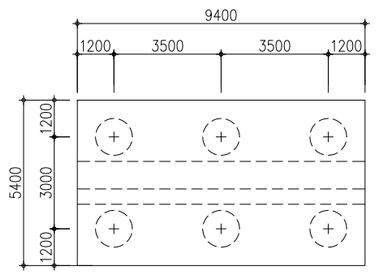
CKE-RB2

STA. 0+376. 000



A – ELEVATION

SCALE 1:100



B – TYPICAL FOUNDATION PLAN

SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
NEW KELANI BRIDGE B RAMP
PC HOLLOW GIRDER, PC T GIRDER(1/2)

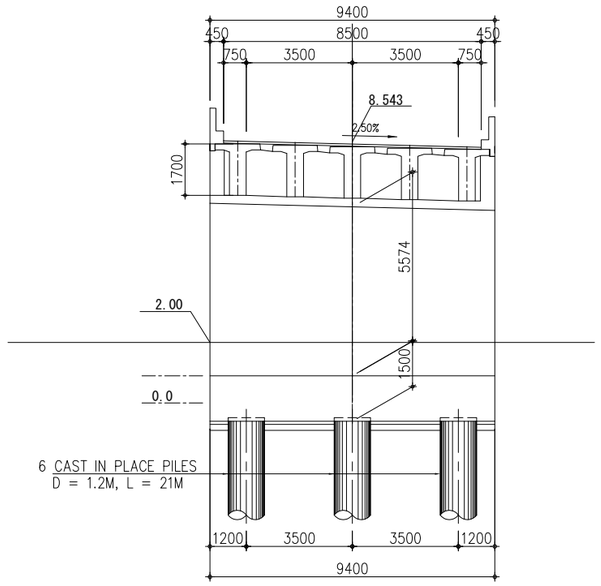
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-91

SUBSTRUCTURE GENERAL DRAWING

CKE-RB3

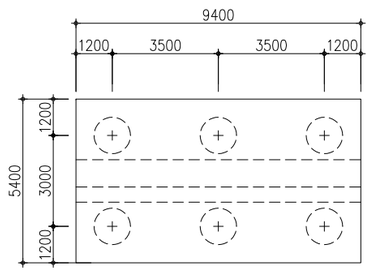
CKE-RB3

STA. 0+443. 000



A – ELEVATION

SCALE 1:100



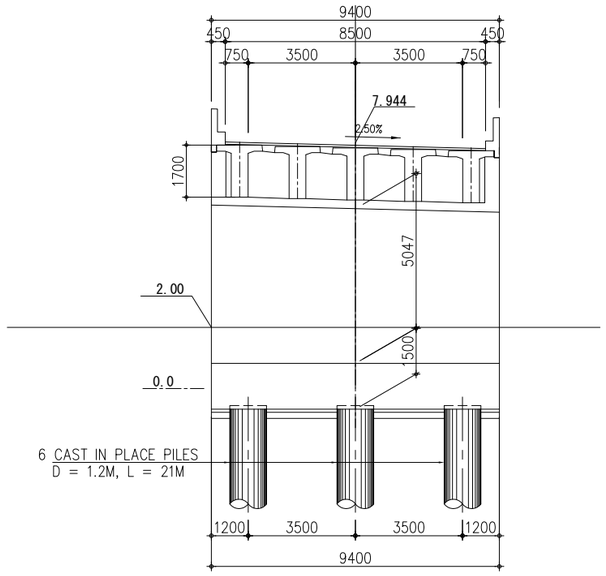
B – TYPICAL FOUNDATION PLAN

SCALE 1:100

CKE-RB4

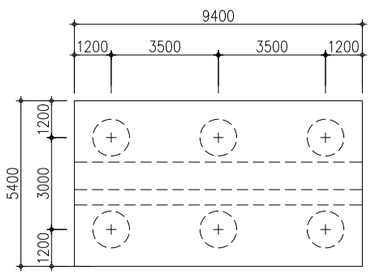
CKE-RB4

STA. 0+471. 000



A – ELEVATION

SCALE 1:100



B – TYPICAL FOUNDATION PLAN

SCALE 1:100

MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
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PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
NEW KELANI BRIDGE B RAMP
PC HOLLOW GIRDER, PC T GIRDER

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-92