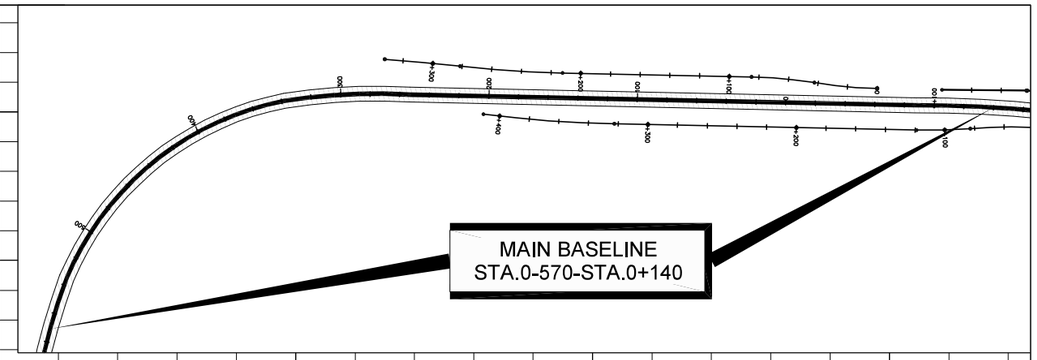


ELEVATION

30.00
20.00
10.00
0.00
−10.00

g=+0.300%
g=−0.300%
FINISHED LEVEL
GROUND LEVEL

BVCS: 0−300.000
BVCE: 14.310
VPI STA = 0−270
VPI EL = 14.400
VCL = 60
K = 100.000
EVCS: 0−240.000
EVCE: 14.310

BVCS: 0+0.000
BVCE: 13.590
VPI STA = 0+30
VPI EL = 13.500
VCL = 60
K = 100.000
EVCS: 0+60.000
EVCE: 13.590

CHAINAGE	0−570				0−500						0−400						0−300						0−200						0−100						0+000						0+100
FINISHED LEVEL	13.500	13.530	13.590	13.650	13.710	13.770	13.830	13.890	13.950	14.010	14.070	14.130	14.190	14.250	14.310	14.350	14.350	14.310	14.250	14.190	14.130	14.070	14.010	13.950	13.890	13.830	13.770	13.710	13.650	13.590	13.550	13.550	13.590	13.650	13.710	13.770	13.830					
GROUND LEVEL																														3.79	3.66	3.76	3.83	3.92	4.00	4.06	4.13					
VERTICAL ALIGNMENT	R=∞																																					CS			A=225	L=
HORIZONTAL ALIGNMENT	g=+0.300%														BVSC	CURVE − 1 VCL = 60		EVCE						g=−0.300%												BVSC	CURVE − 2 VCL = 60		EVCE	g=+0.300%	
SUPERELEVATION	−2.5%																																				0+86.537	1/154	1/462			

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

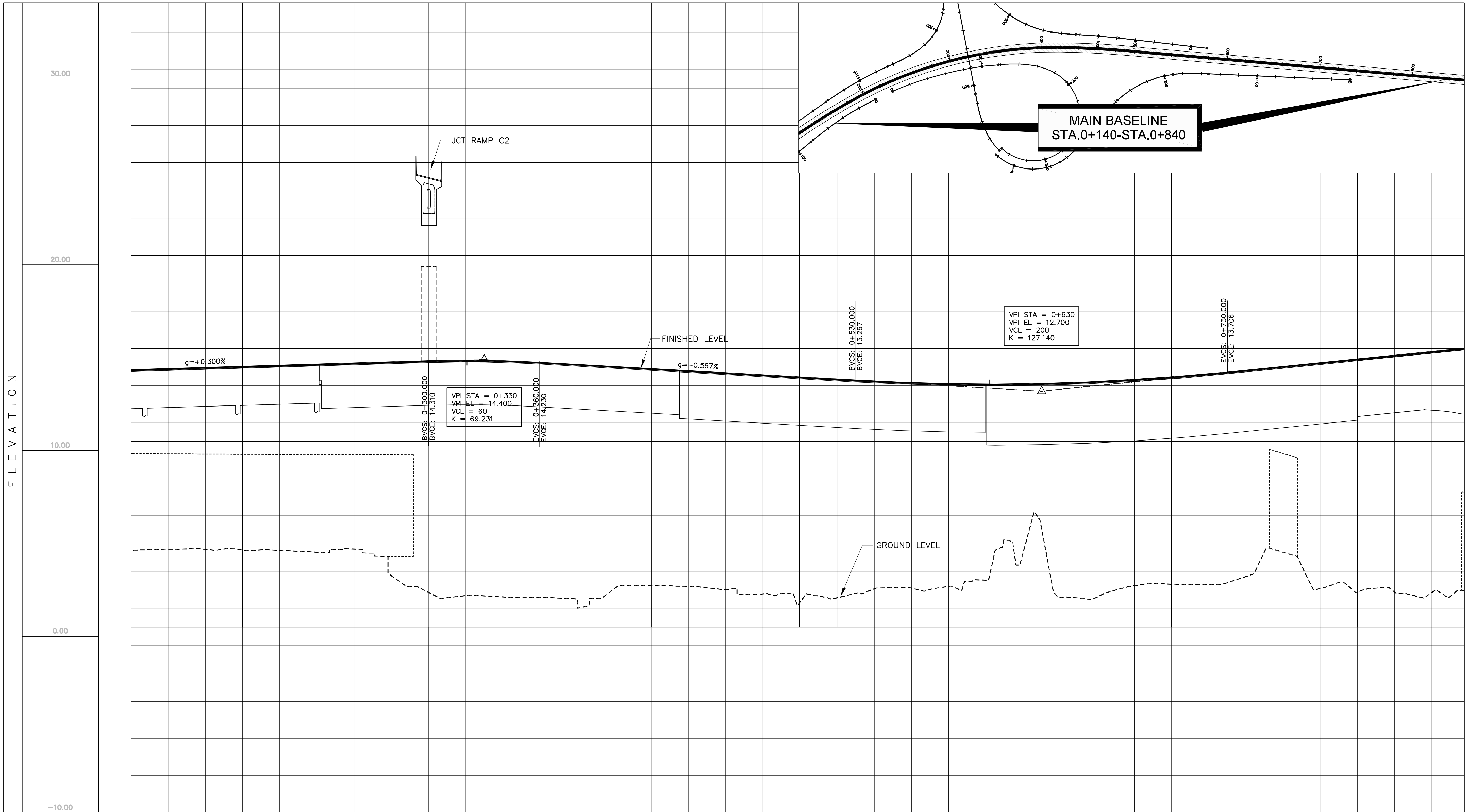
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

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



CHAINAGE	FINISHED LEVEL	GROUND LEVEL
	13.830	4.13
	13.890	4.20
	13.950	4.18
0+200	14.010	4.14
	14.070	4.12
	14.130	4.03
	14.190	4.20
	14.250	2.77
0+300	14.310	1.87
	14.341	1.69
	14.314	1.62
	14.230	1.59
	14.117	1.51
0+400	14.003	2.06
	13.890	2.23
	13.777	2.19
	13.663	2.02
	13.550	1.78
0+500	13.437	1.33
	13.323	1.58
	13.214	2.06
	13.132	2.10
	13.082	2.19
0+600	13.063	2.53
	13.075	3.98
	13.119	1.58
	13.194	1.62
	13.301	2.23
0+700	13.440	2.31
	13.609	2.29
	13.807	2.72
	14.008	4.03
	14.209	2.08
0+800	14.410	1.87
	14.611	1.89
	14.813	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; 1/462; 0+199.037; 5.0%; −5.0%; 0+397.324; 1/154; 1/462; 0+509.824; −2.5%

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

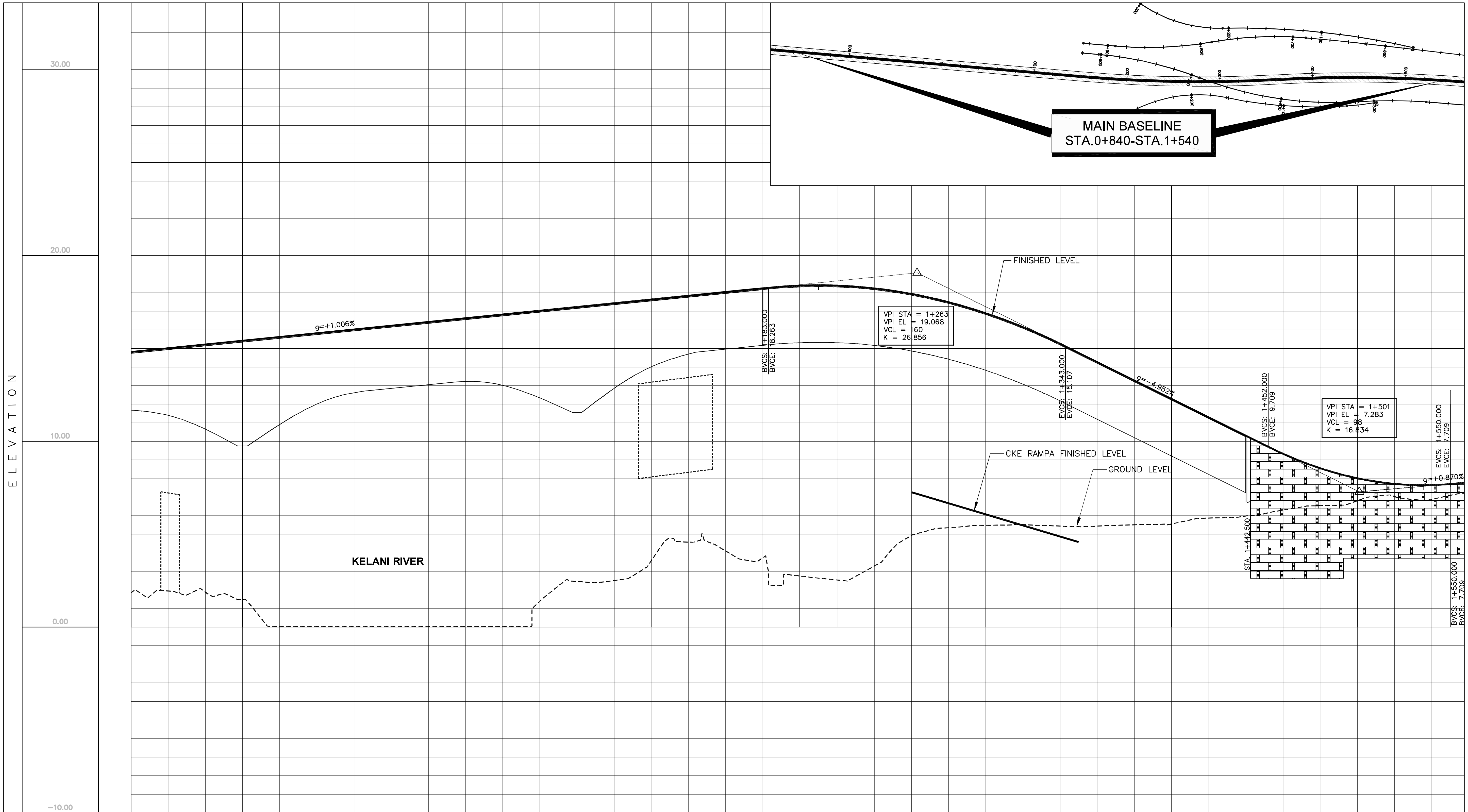
JAPAN INTERNATIONAL COOPERATION AGENCY
ORICONSUL
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

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	FINISHED LEVEL	GROUND LEVEL
	14.813	1.86
	15.014	1.95
	15.215	1.88
0+900	15.416	1.48
	15.617	0.05
	15.819	0.05
	16.020	0.05
	16.221	0.05
1+000	16.422	0.05
	16.623	0.05
	16.825	0.05
	17.026	1.39
	17.227	2.46
1+100	17.428	2.51
	17.629	3.57
	17.831	4.58
	18.032	4.10
	18.233	3.73
1+200	18.380	2.75
	18.381	2.53
	18.232	3.29
	17.934	4.93
	17.487	5.34
1+300 2+100	16.892	5.48
	16.147	5.51
	15.254	5.44
	14.265	5.44
	13.275	5.50
1+400	12.284	5.55
	11.294	5.86
	10.304	5.98
	9.332	6.30
	8.556	6.54
1+500	8.017	6.81
	7.716	7.03
	7.652	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

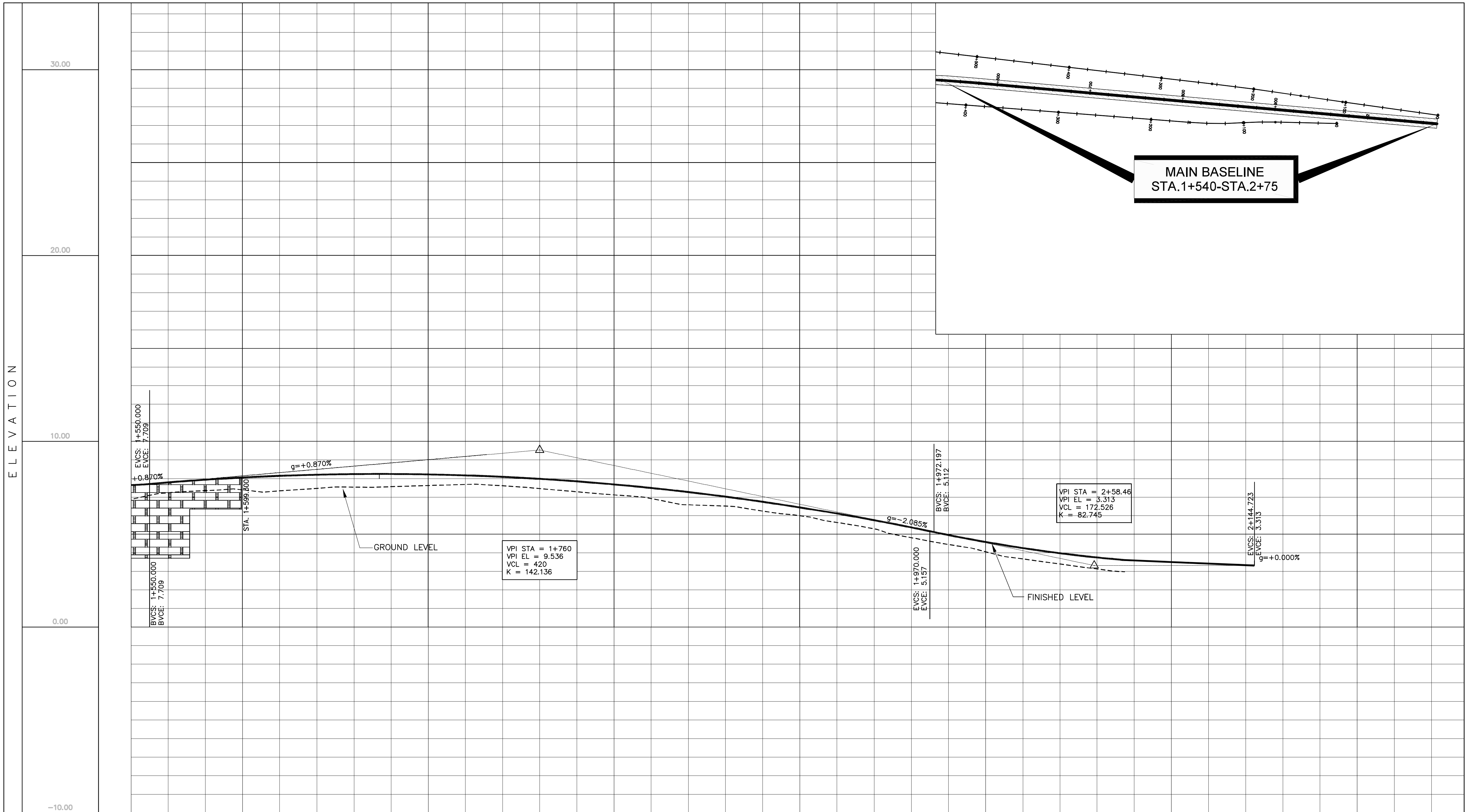
No	REVISION	DATE

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

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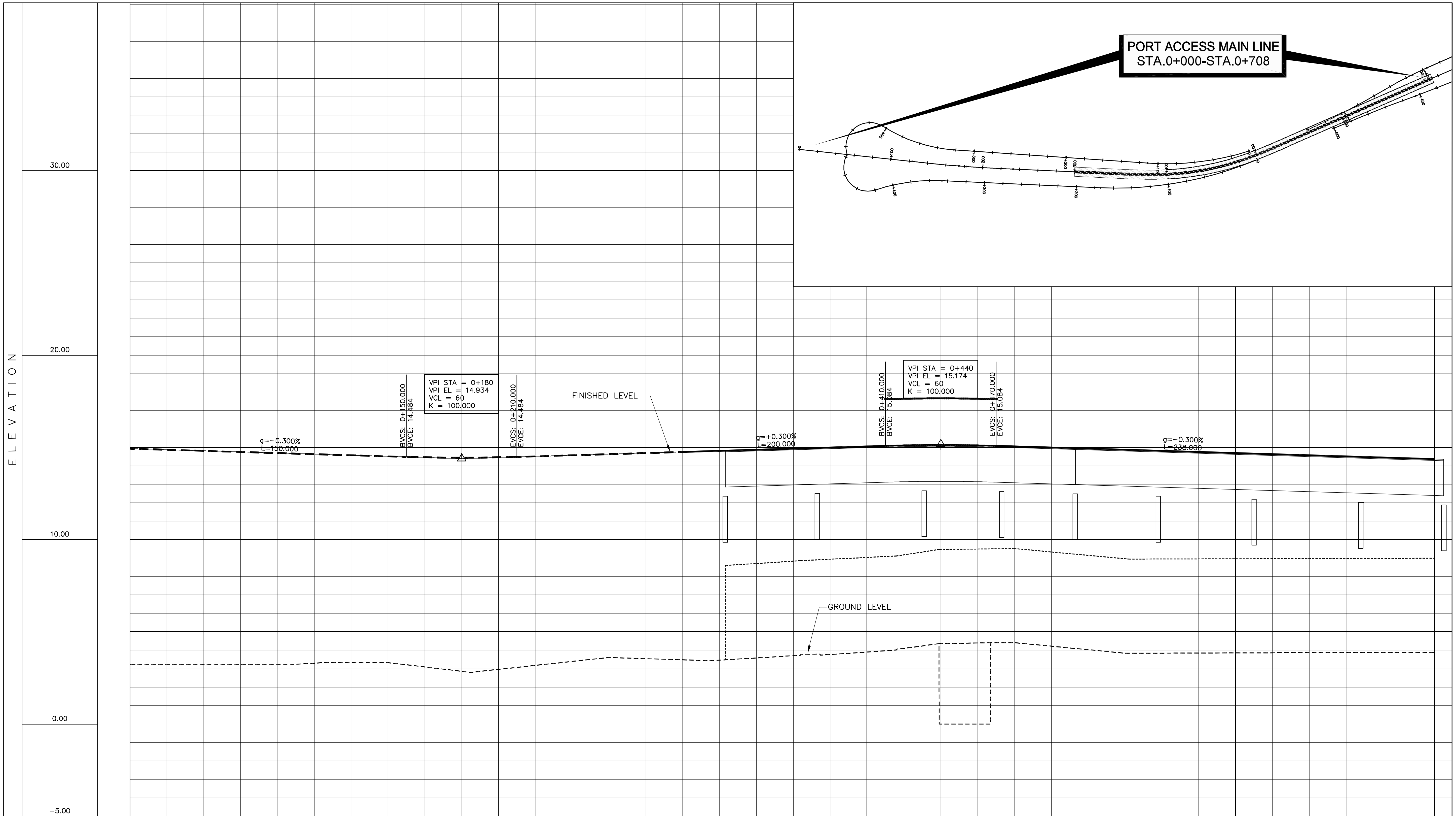
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

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	FINISHED LEVEL	GROUND LEVEL
0+000	14.934	3.24
	14.874	3.24
	14.814	3.24
	14.754	3.24
	14.694	3.24
0+100	14.634	3.30
	14.574	3.33
	14.514	3.33
	14.459	3.09
	14.439	2.86
0+200	14.459	2.96
	14.514	3.18
	14.574	3.39
	14.634	3.61
	14.694	3.54
0+300	14.754	3.48
	14.814	3.46
	14.874	3.58
	14.934	3.71
	14.994	3.77
0+400	15.054	3.90
	15.109	4.07
	15.129	0.00
	15.109	0.00
	15.054	4.41
0+500	14.994	4.33
	14.934	4.09
	14.874	3.84
	14.814	3.85
	14.754	3.85
0+600	14.694	3.86
	14.634	3.86
	14.574	3.87
	14.514	3.88
	14.454	3.88
	14.394	3.89
0+708	14.370	3.89

VERTICAL ALIGNMENT: g=−0.300% L=150.000; BVSC; CURVE # 1 VCL = 60; EVCE; g=+0.300% L=200.000; BVSC; CURVE # 1 VCL = 60; EVCE; g=−0.300% L=238.000

HORIZONTAL ALIGNMENT: 0+123.173 CS; A=220 L=50.947m; 0+174.121 SC; R=950.000 L=7.996; 0+182.117 CS; A=220 L=50.947m; 0+233.064 SC; 0+344.994 CS; A=129 L=55.470m; 0+400.464 SC; R=300.000 L=81.726; 0+482.191 CS; A=129 L=55.470m; 0+537.661 SC

SUPERELEVATION: NC −2.5%; 0+123.173; 1/177; 1/1045; 0+174.121; 3.0% NC −3.0%; 0+182.117; 1/1045; 1/1045; 0+233.064; 2.5% NC −2.5%; 0+344.994; 1/163; 1/163; 0+400.464; 6.0% NC −6.0%; 0+482.191; 1/163; 1/163; 0+537.661; 0+599.294; 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

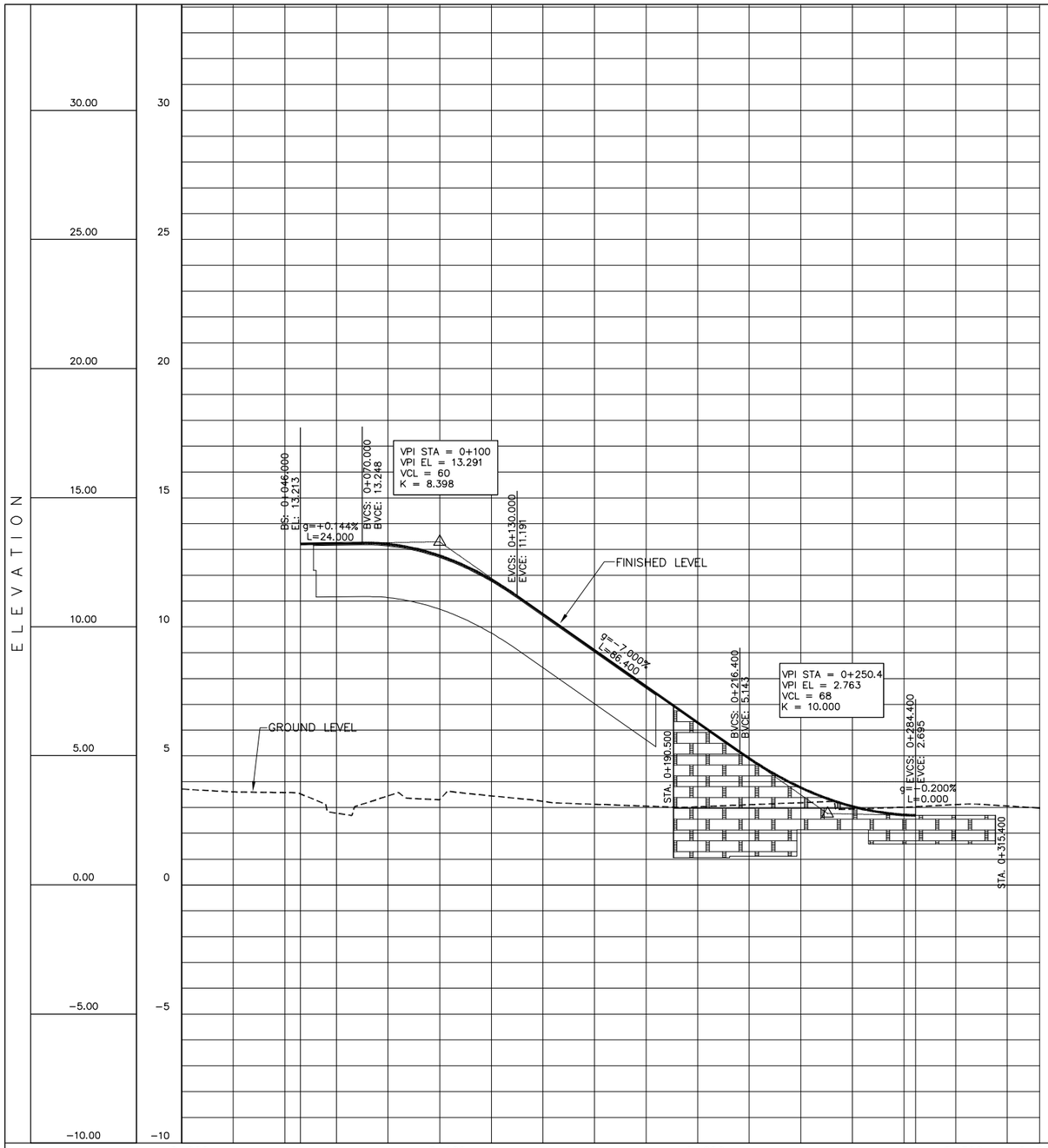
No	REVISION	DATE

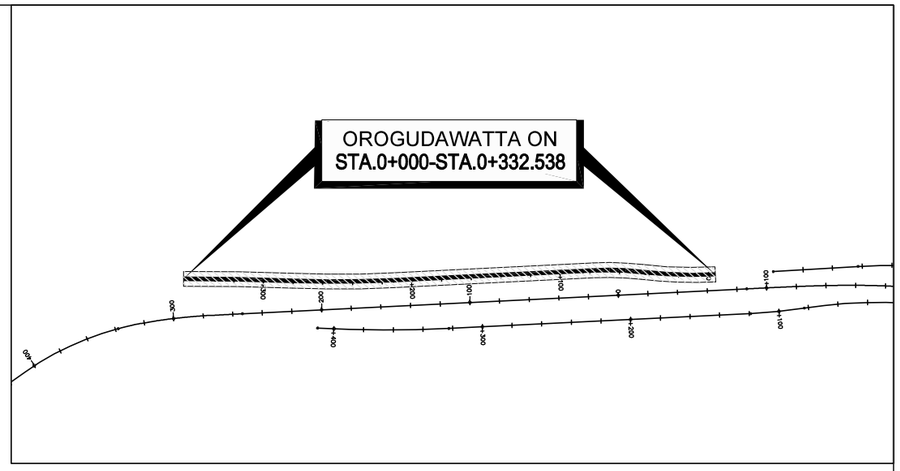
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE

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

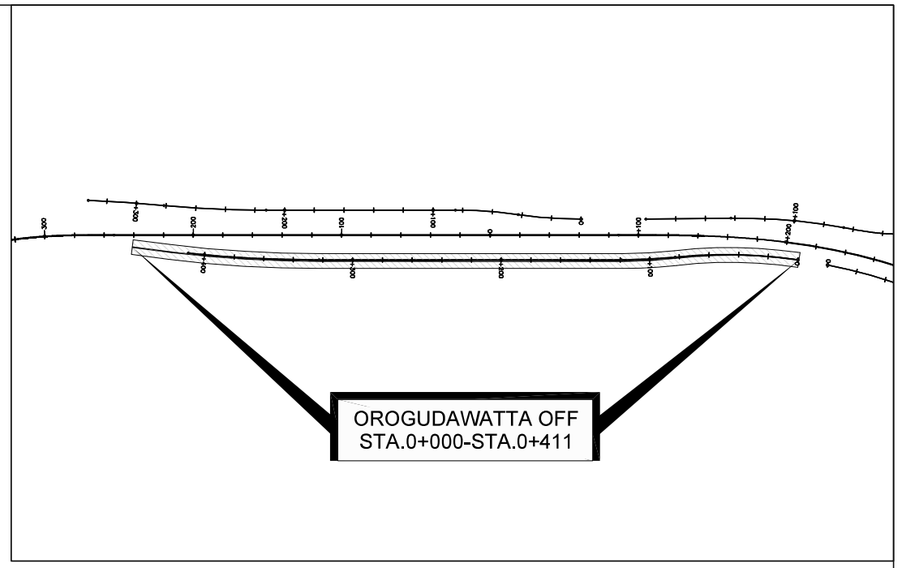
No	REVISION	DATE

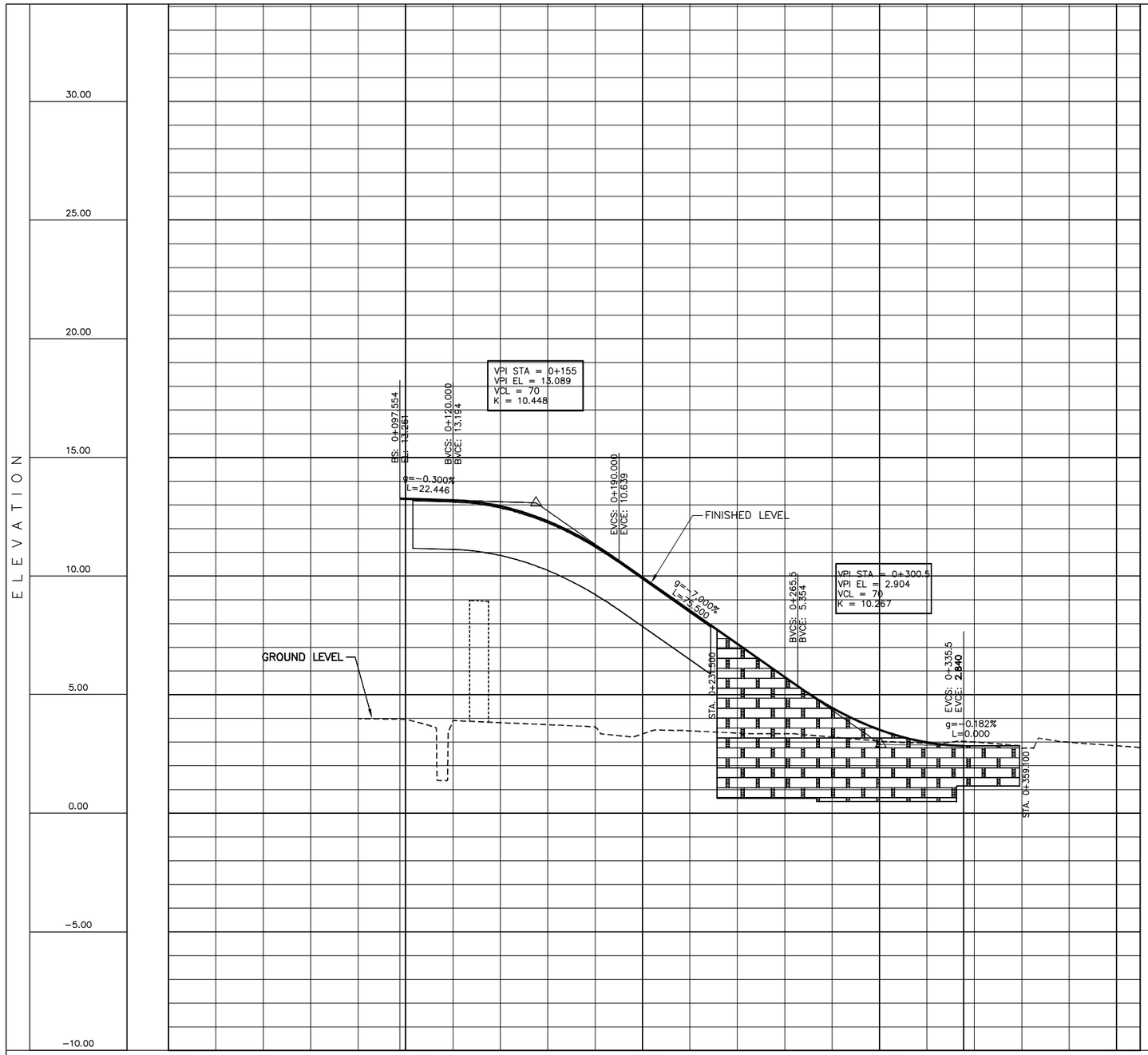
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE

ORUGODAWATTA ON RAMP
STA. 0+0 - STA. 0+332.538

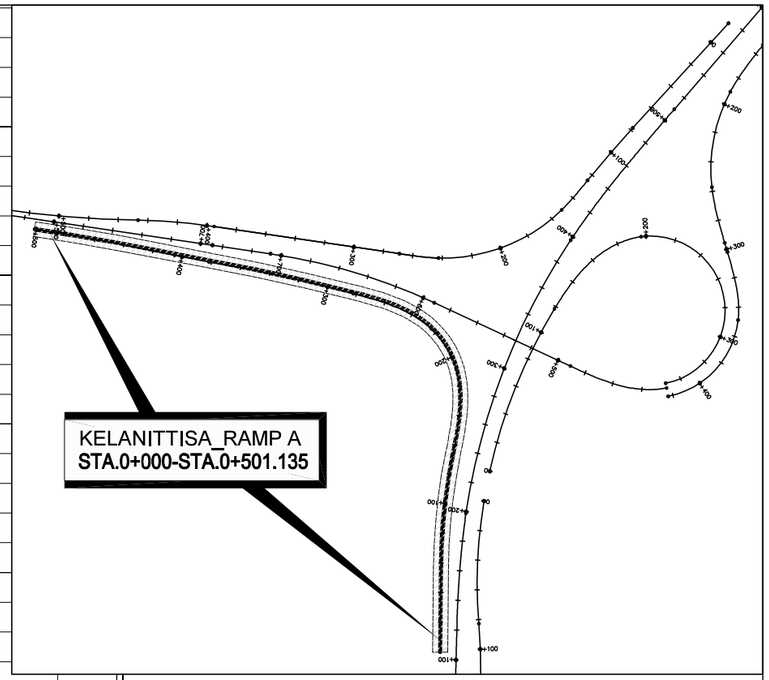
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-11





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:
			CHECKED BY:
		PROFILE ORUGODAWATTA OFF RAMP STA. 0+0 - STA. 0+411	APPROVED BY:
	No REVISION DATE		DWG. NO. H-12



ELEVATION

40.00
30.00
20.00
10.00
0.00

VPI STA = 0+280
VPI EL = 13.793
VCL = 50
K = 39.000

BVCS: 0+255.000
BVCE: 14.039

EVCS: 0+305.000
EVCE: 13.866

FS: 0+380.991
EL: 14.096

g=+0.300%
L=27.124

g=−0.982%
L=120.000

g=+0.300%
L=100.991

FINISHED LEVEL

VPI STA = 0+160
VPI EL = 14.972
VCL = 50
K = 39.000

BVCS: 0+135.000
BVCE: 14.807

EVCS: 0+185.000
EVCE: 14.726

GROUND LEVEL

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	3.58	3.57		
VERTICAL ALIGNMENT								g=+0.300% BVSC L=27.124		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+281.892		2.5% NC −2.5%		0+380.991						0+501.135							

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

JAPAN INTERNATIONAL COOPERATION AGENCY

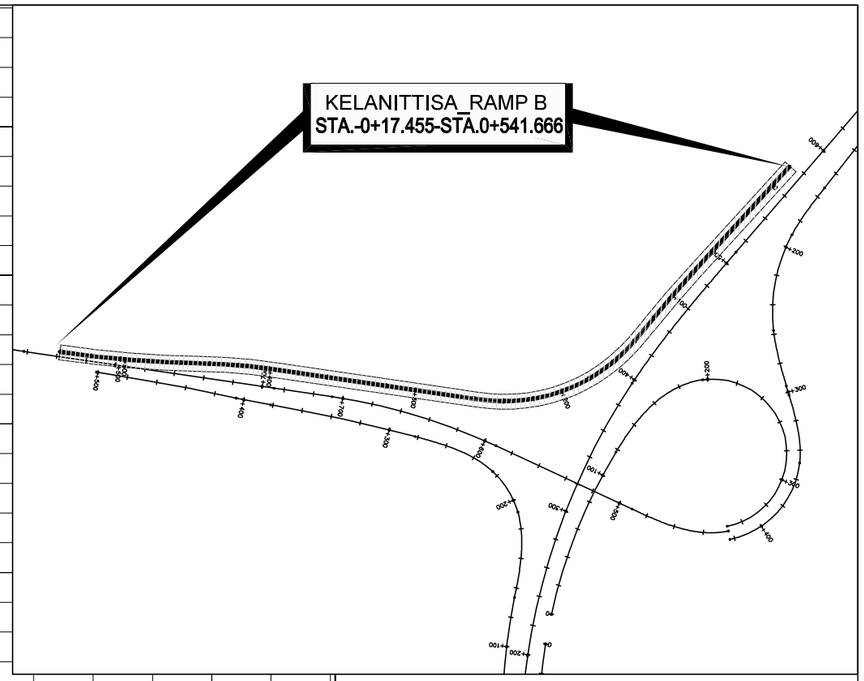
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

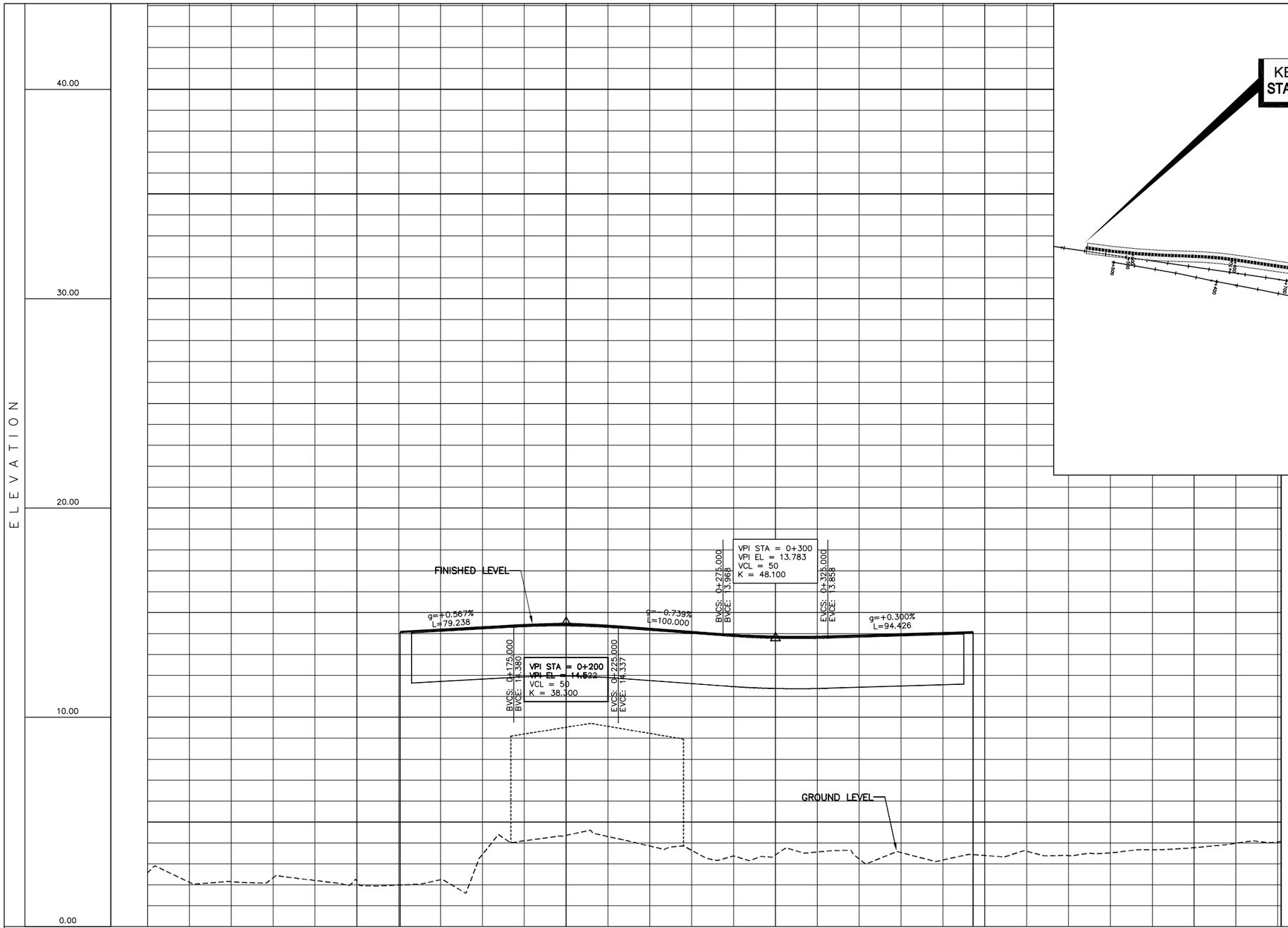
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

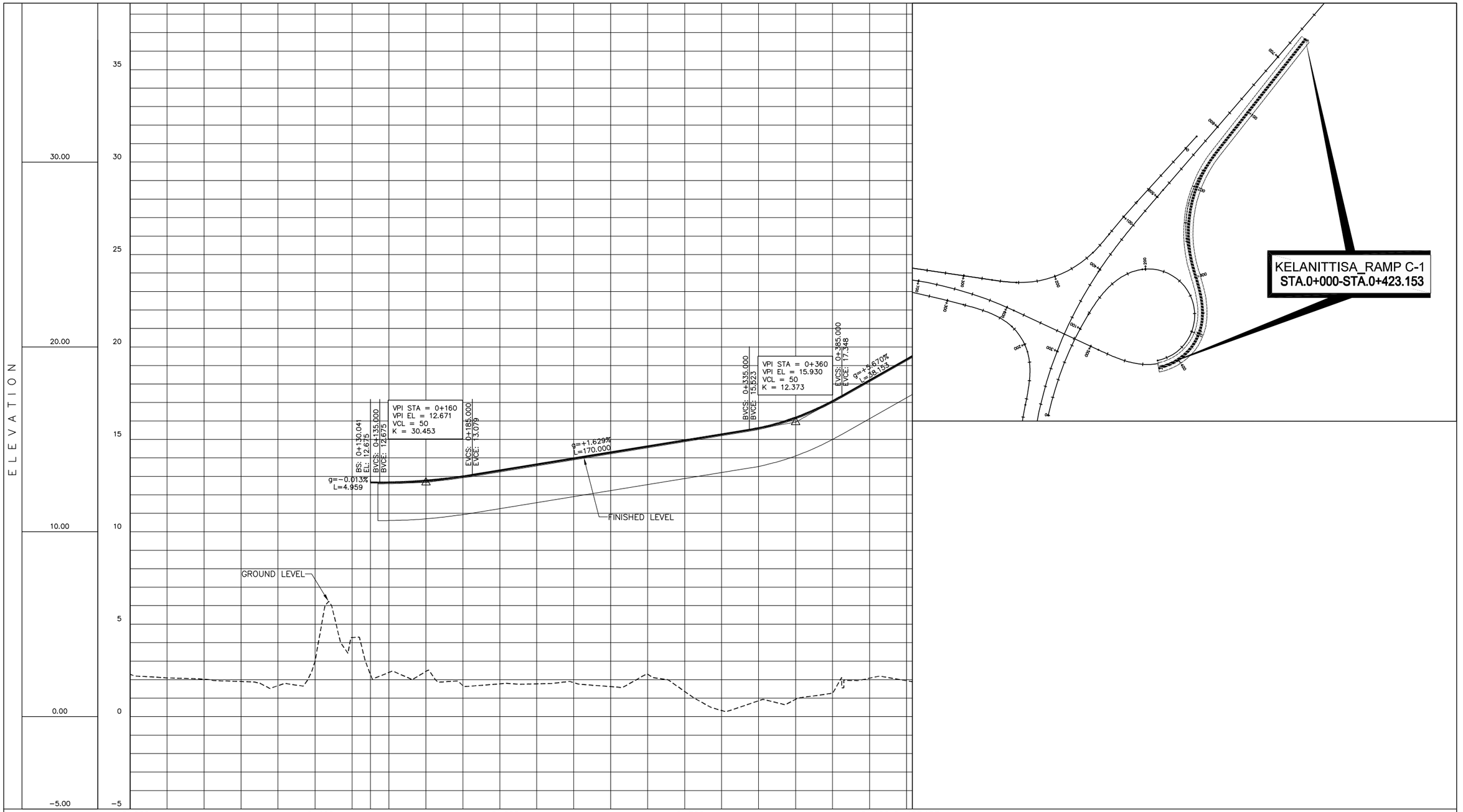
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-13





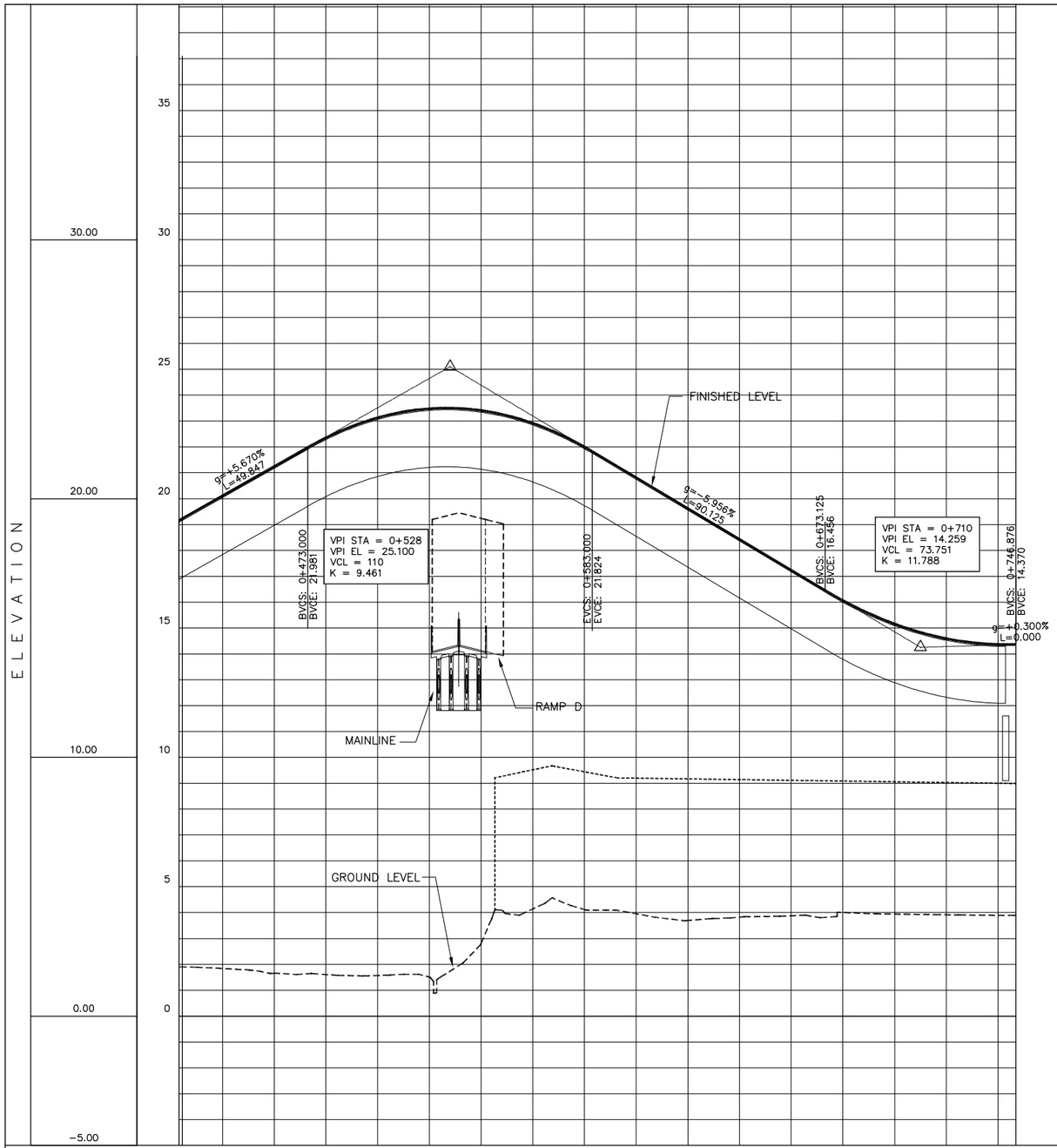
CHAINAGE		0+100	0+120.719		0+200		0+300		+394.426	0+400		0+500	0+541.666
FINISHED LEVEL			14.073	14.182	14.295	14.405	14.440	14.371	14.226	14.079	13.933	13.848	13.846	13.903	13.963	14.023	14.066
GROUND LEVEL	2.58	2.12	2.15	2.34	2.21	2.19	1.99	2.24	3.46	4.10	4.36	4.31	3.85	3.65	3.38	3.43	3.57	3.23	3.54	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% BVSC L=100.000		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	0+151.147 A=55.000 L=26.535	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+100.000	1/156 1/101	0+156.792	6.0% −6.0%	0+242.568	1/275 1/178	0+269.103	2.5% NC −2.5%							

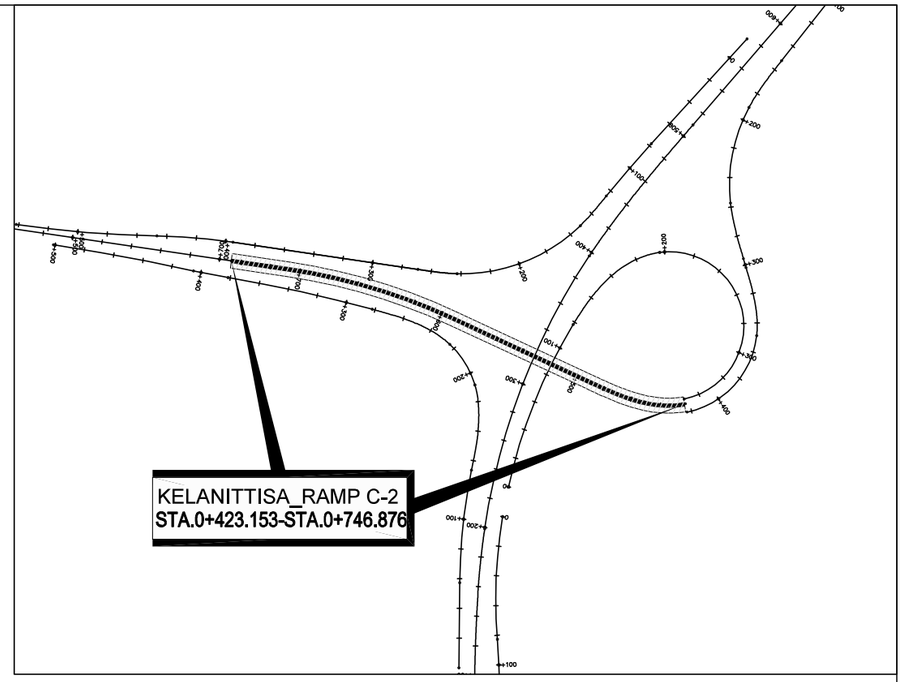
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	**PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE** 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 A=65 L=38.409	0+295.686	R=∝	0+302.098 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 1/399 1/258	0+190.000 6.0% −6.0%			0+257.277						1/179 1/277	0+348.694	6.0% −6.0%		0+423.153																		

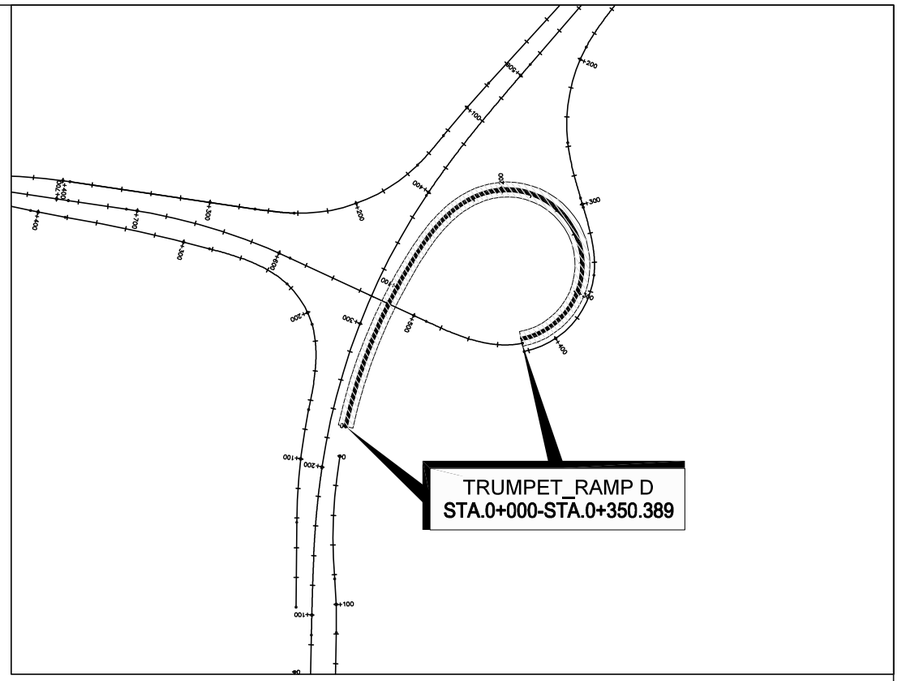
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

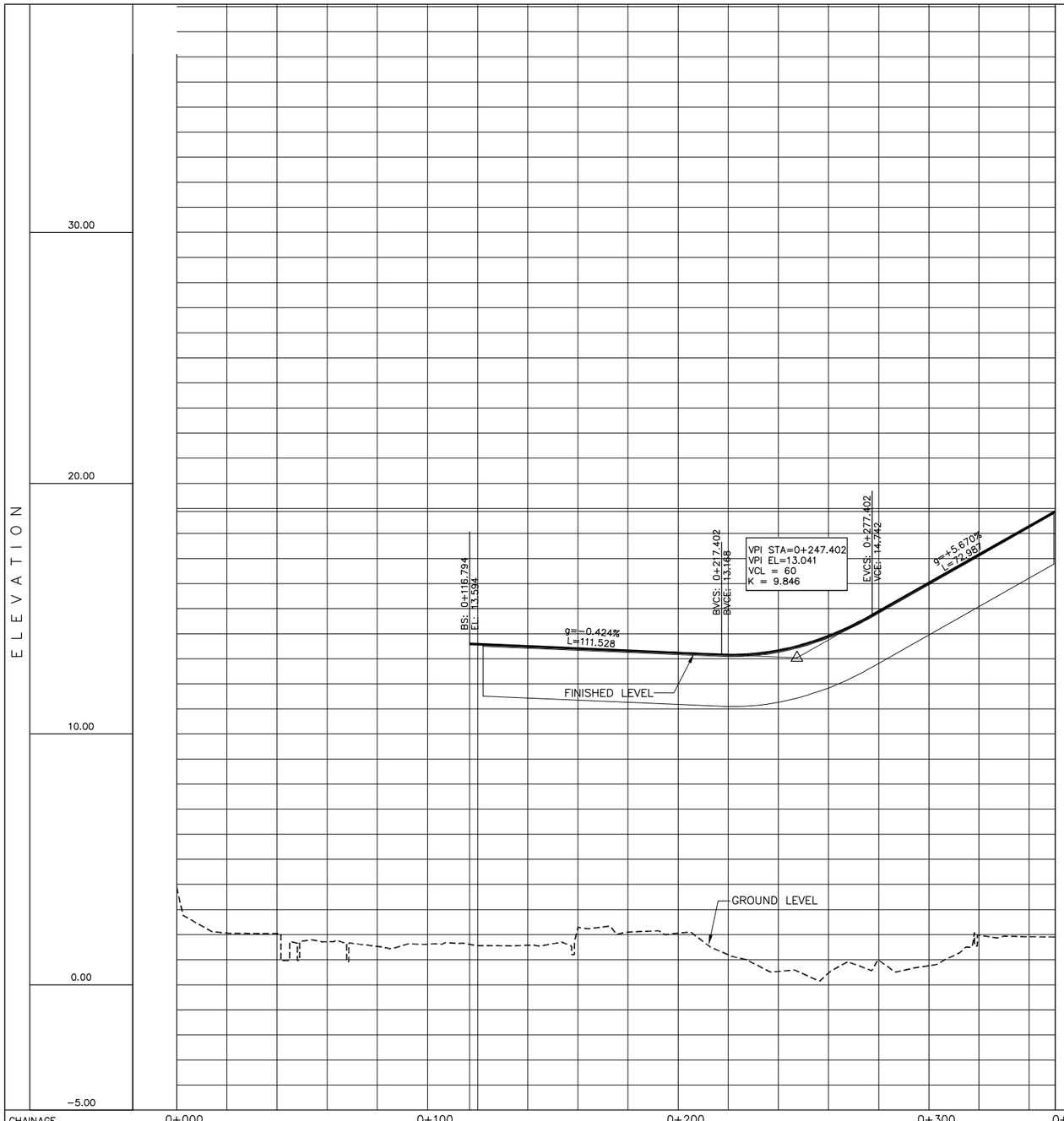




CHAINAGE	0+423.153			0+500				0+600				0+700				0+746.876
FINISHED LEVEL	19.155	20.110	21.244	22.352	23.127	23.479	23.408	22.914	21.998	20.811	19.620	18.429	17.238	16.066	15.161	14.596	14.369	14.370
GROUND LEVEL	1.90	1.84	1.66	1.61	1.57	1.51	2.81	4.14	4.12	3.95	3.69	3.82	3.88	4.00	3.94	3.92	3.90	3.89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

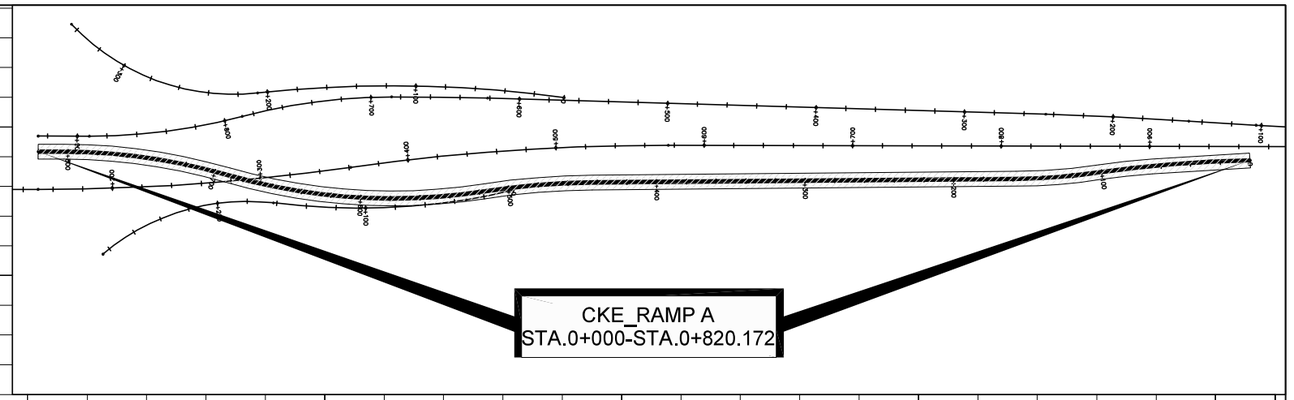
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE PROFILE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

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	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	2.46
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+490.000	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

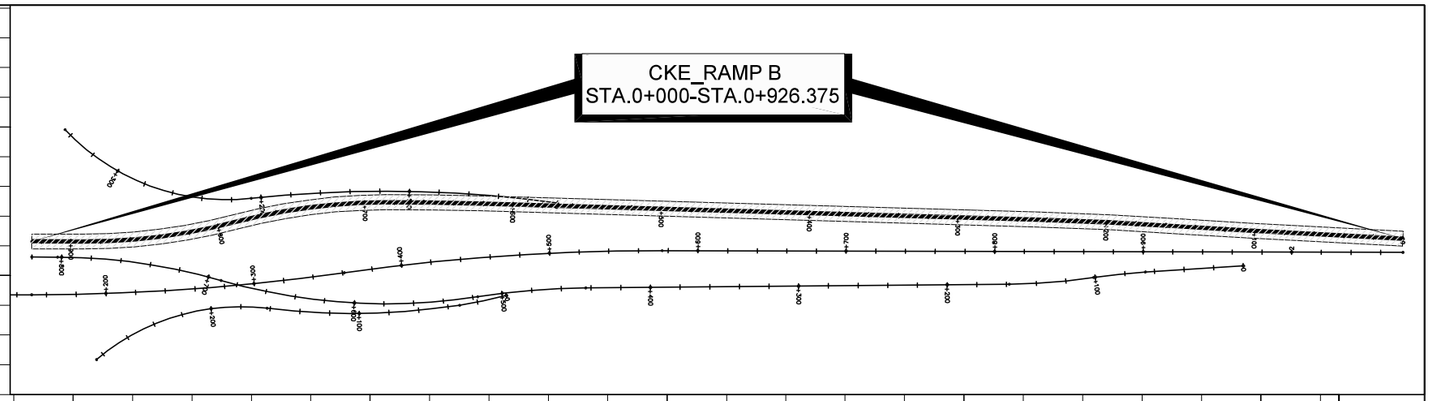
No	REVISION	DATE

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	0+711.000	−3.0% NC −3.0%		0+762.000	1/196	1/196	0+787.000	−3.0% NC −3.0%		0+912.000	0+891.000	0+686.000	2.5% NC −2.5%													

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

Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

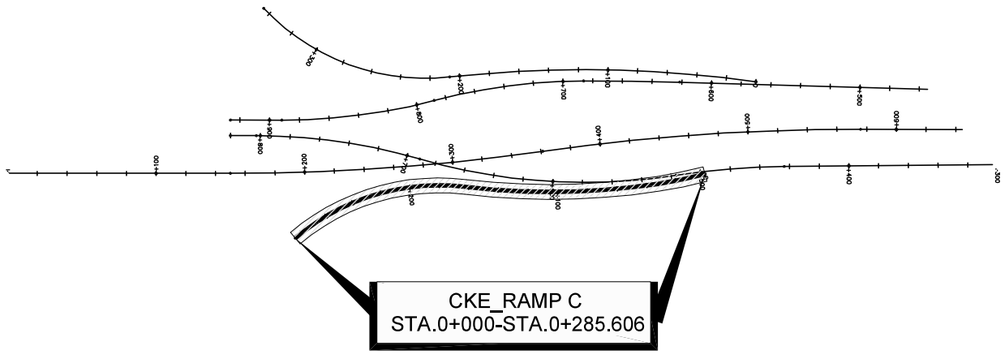
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

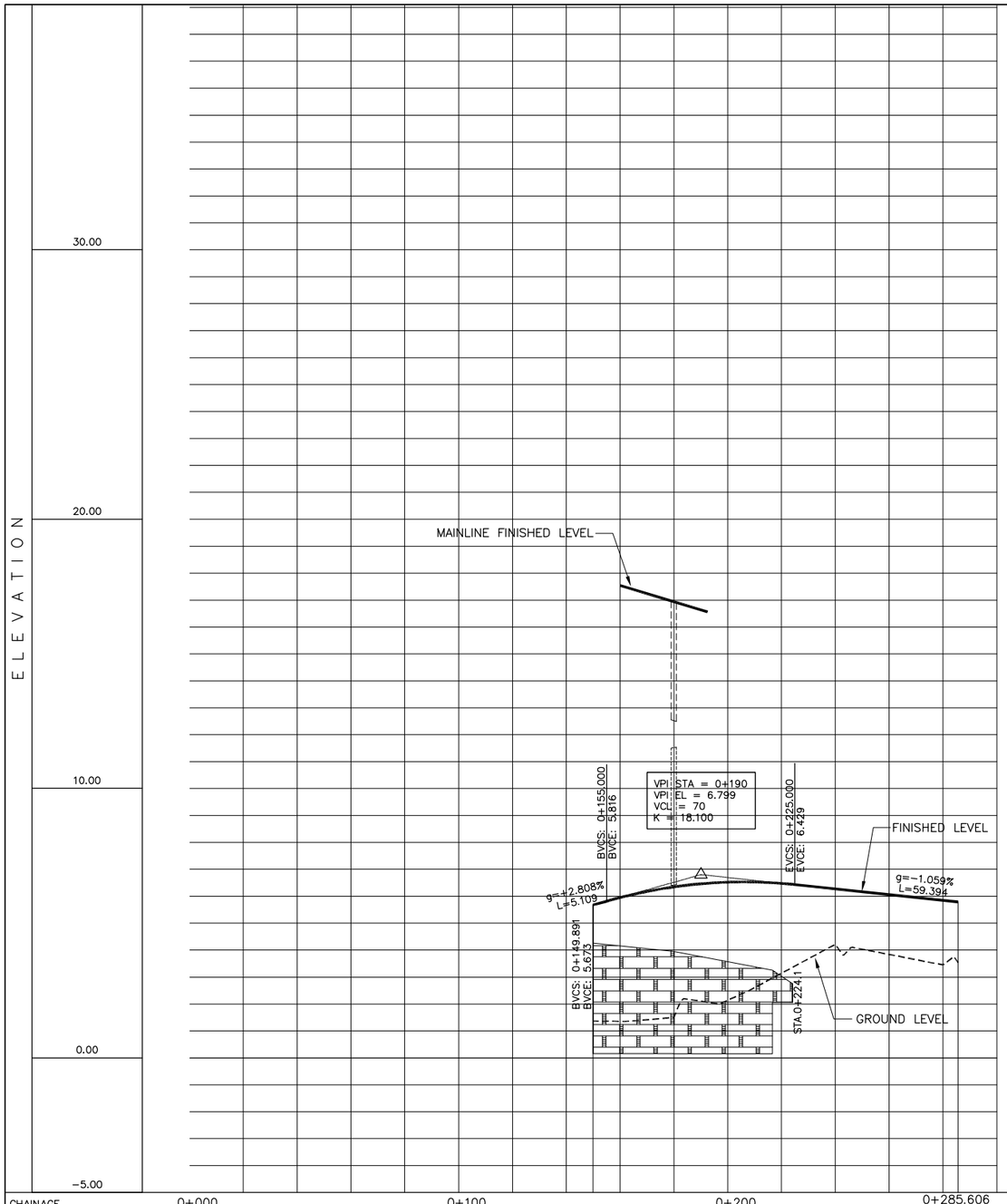
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

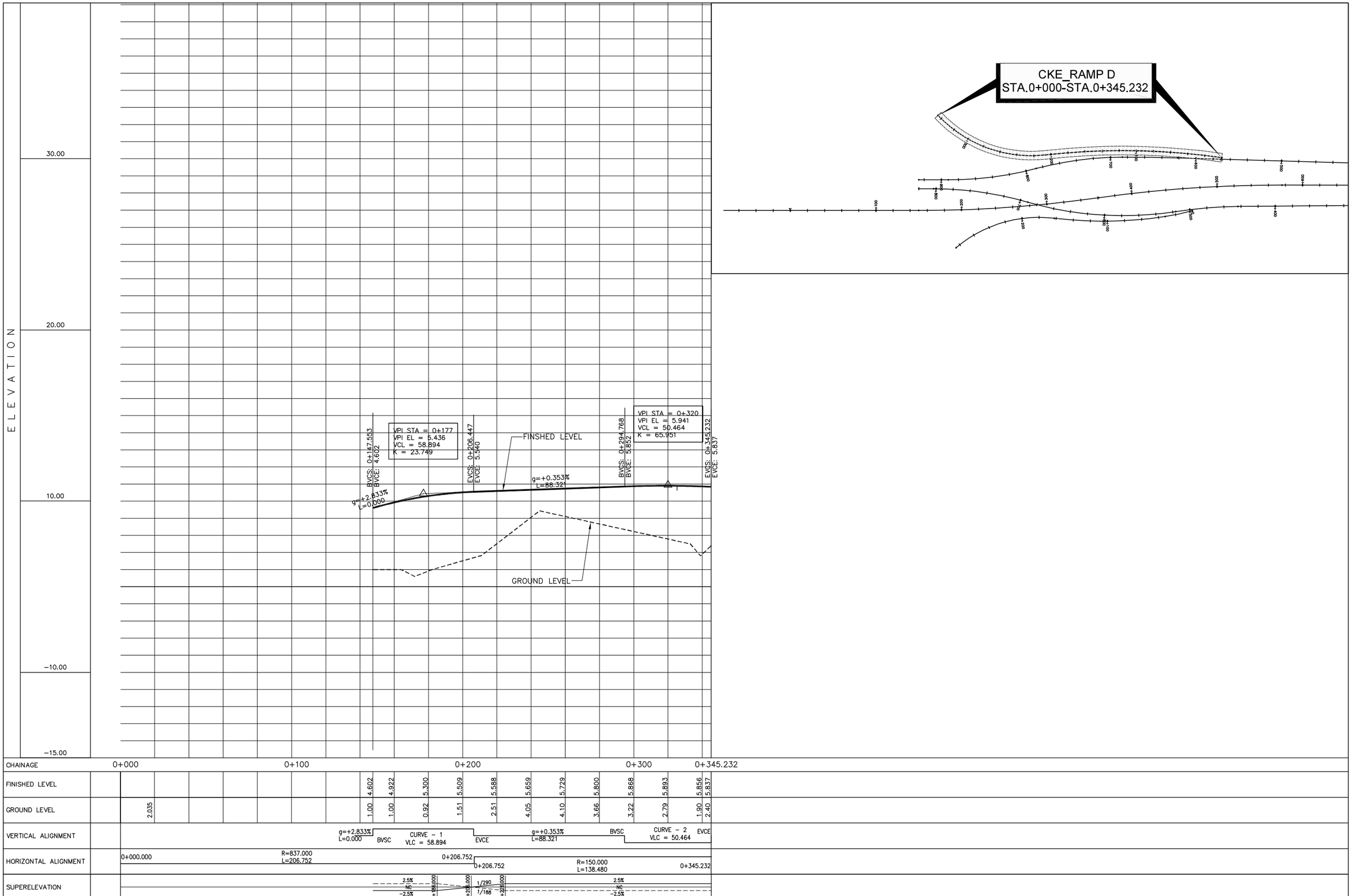
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-19





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+160 /104 0+220.000					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 C-RAMP STA. 0+0 - STA. 0+285.606	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. H-20



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

Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

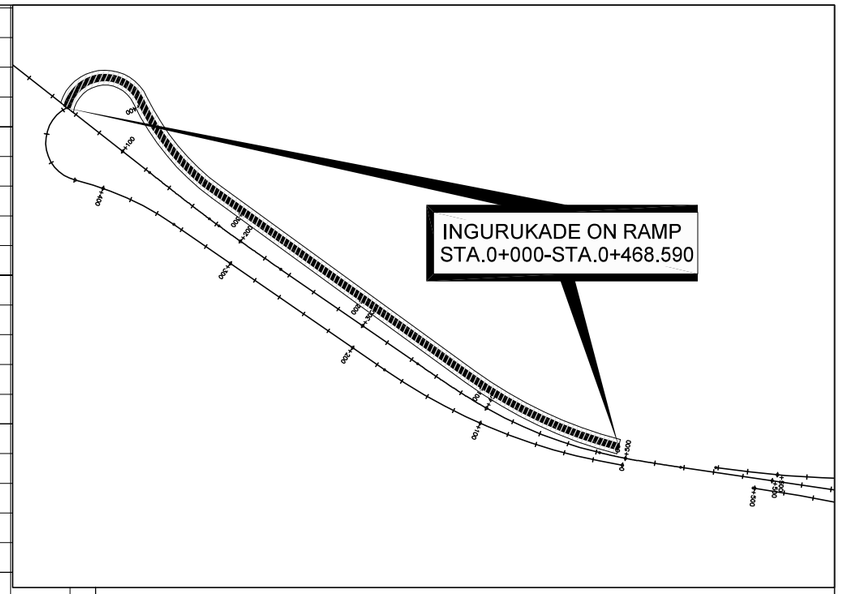
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

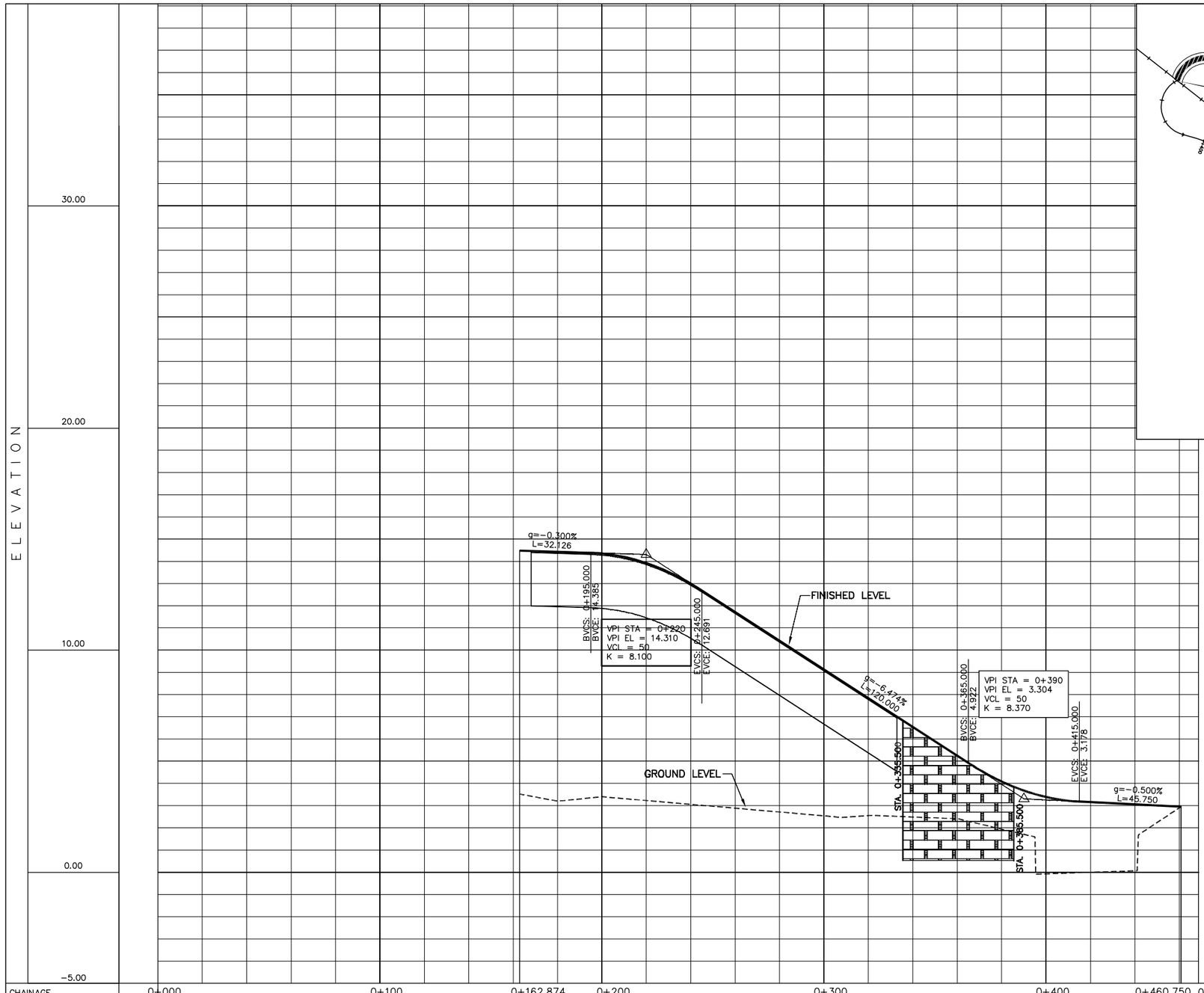
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

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





CHAINAGE	0+000	0+100	0+162.874	0+200	0+300	0+400	0+460.750	0+468.590
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					
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	
HORIZONTAL ALIGNMENT	R=298.000 L=111.176	0+111.176	R=∝		0+322.212 R=163.000 L=76.073	0+403.848 R=26.250 L=64.743		0+468.590
SUPERELEVATION	0+162.874 2.5% NC -2.5%		NC		0+385.000	0+400.000 1/141 1/114 0+415.000	2.5% NC -2.5%	0+460.750

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

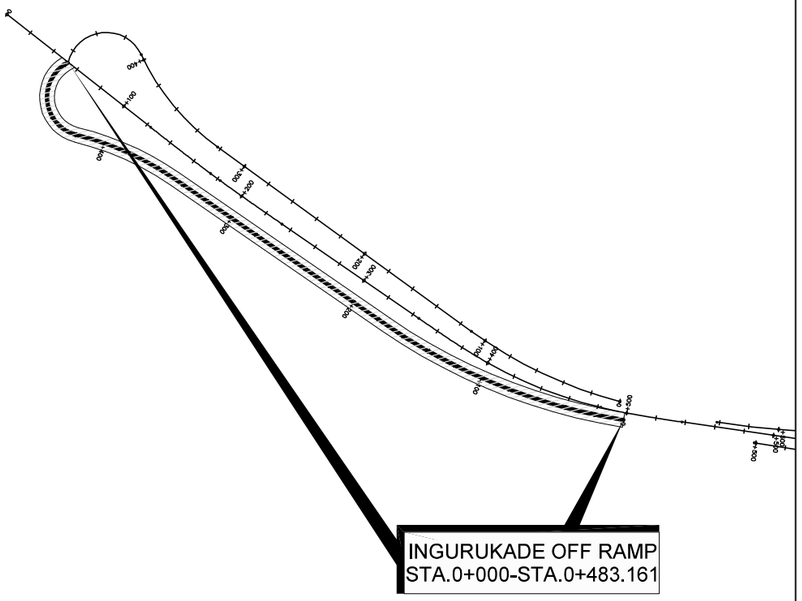
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

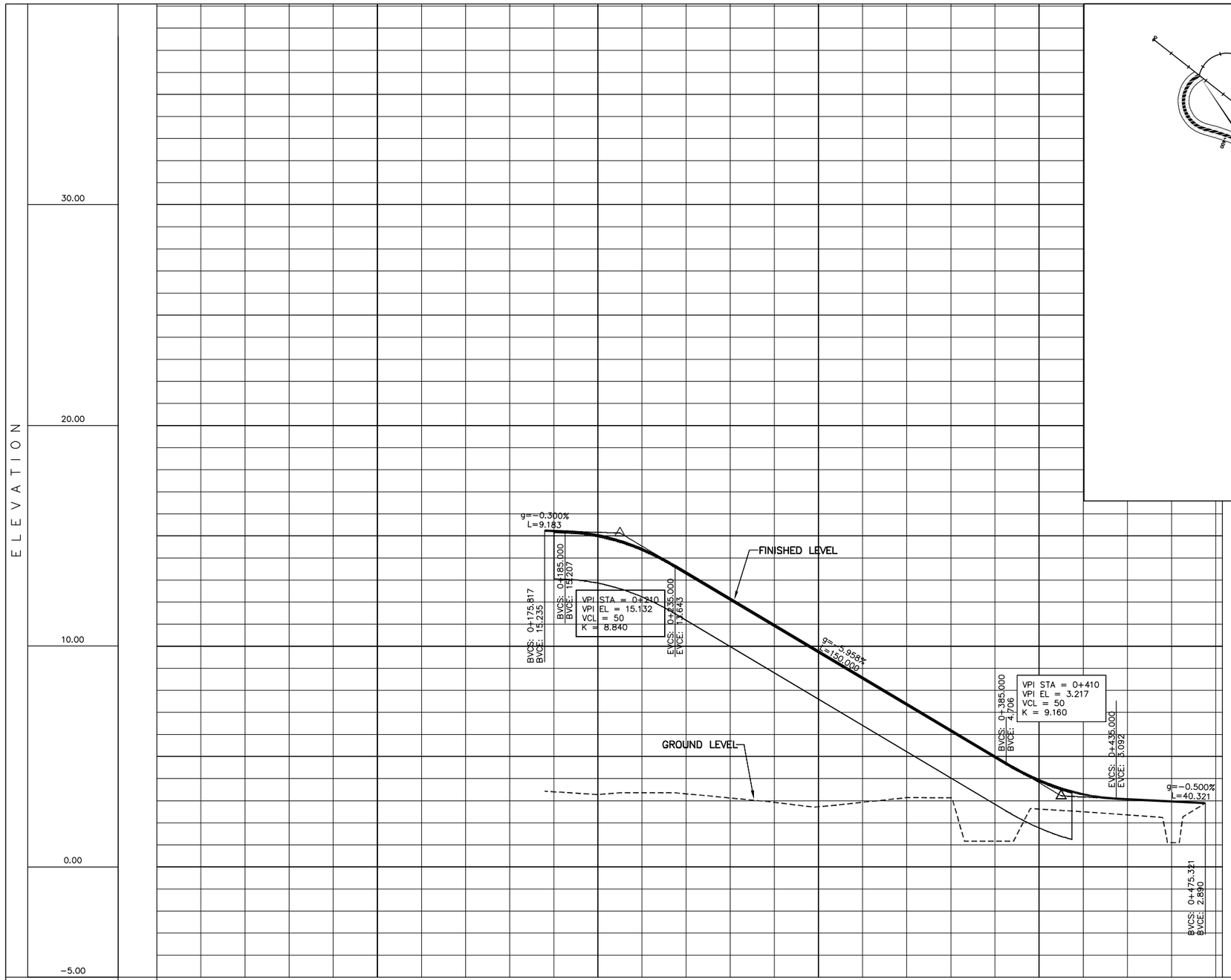
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

PROFILE
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	0+360.000	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

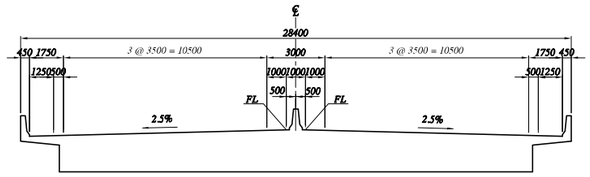
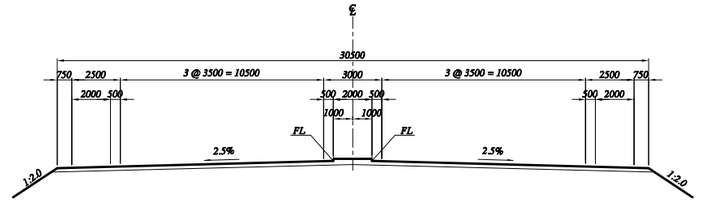
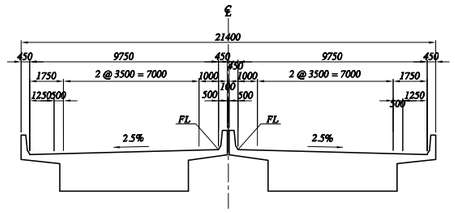
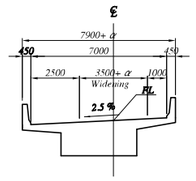
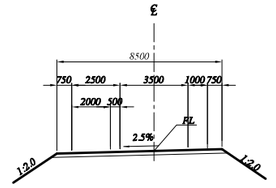
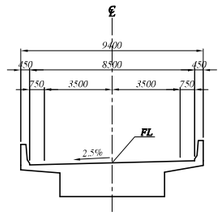
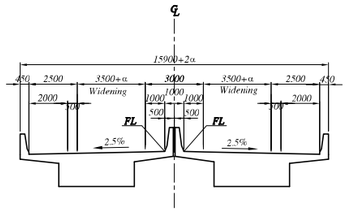
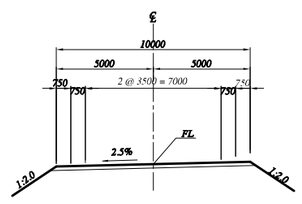
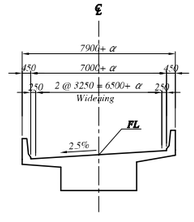
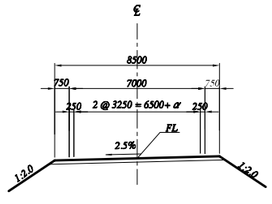
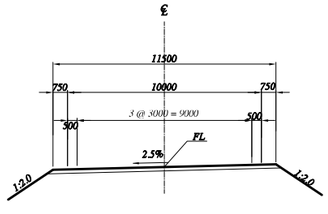
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

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

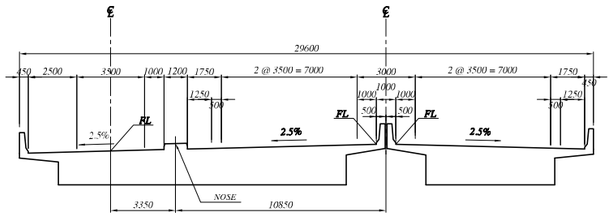
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

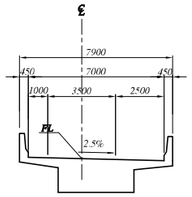
TYPICAL CROSS SECTION 1

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

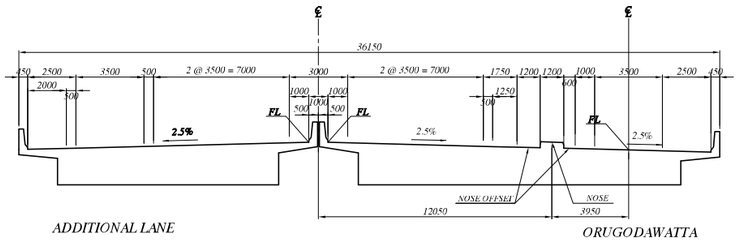
SECTION AT NOSE



ORUGODAWATTA
ON RAMP

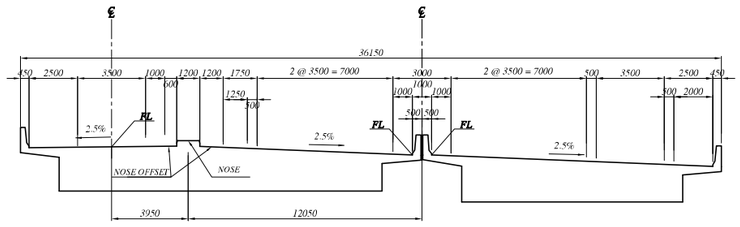


ORUGODAWATTA
OFF RAMP



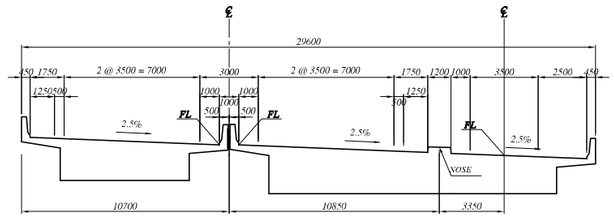
ADDITIONAL LANE

ORUGODAWATTA
OFF RAMP

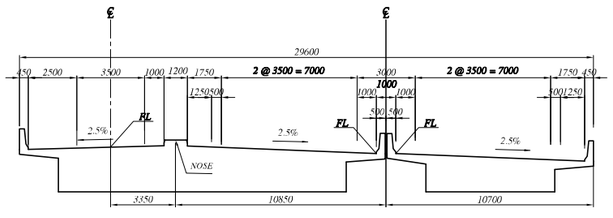


KELANITISSA A-RAMP

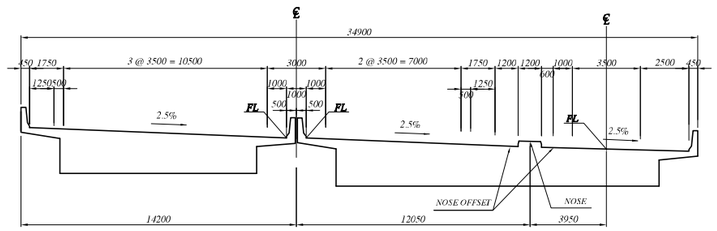
ADDITIONAL LANE



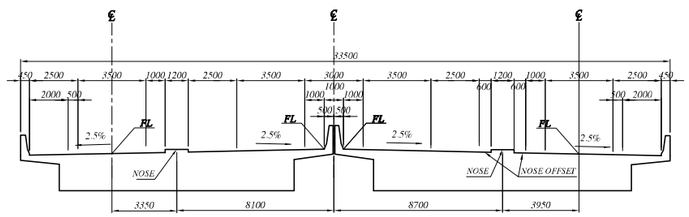
KELANITISSA D-RAMP



KELANITISSA B-RAMP



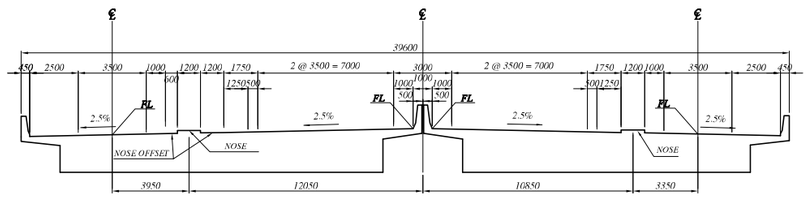
KELANITISSA C1-RAMP (1 LANE)



KELANITISSA
A-RAMP

KELANITISSA
C2-RAMP (2 LANES)

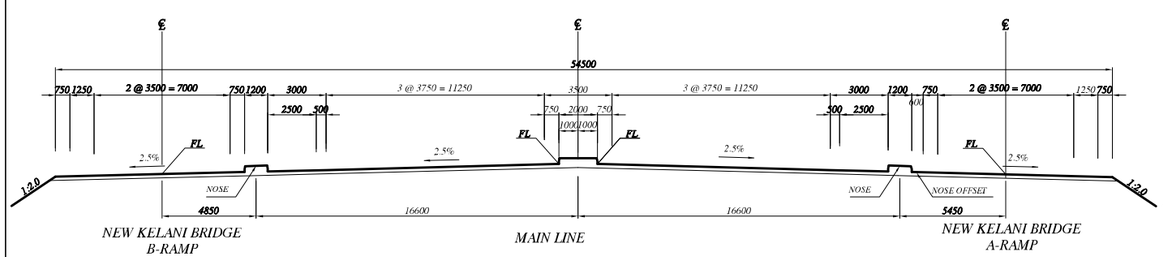
KELANITISSA
B-RAMP



INGURUKADE
OFF RAMP

PORT ACCESS
LINE

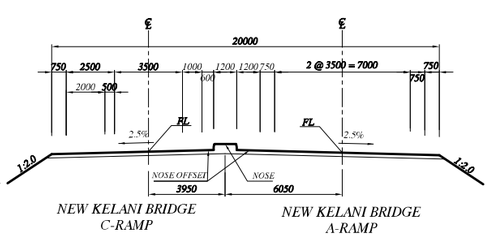
INGURUKADE
ON RAMP



NEW KELANI BRIDGE
B-RAMP

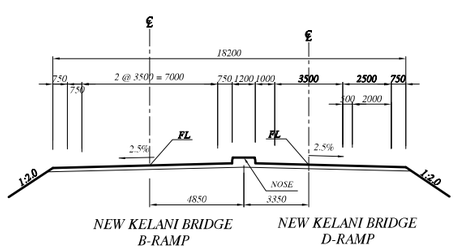
MAIN LINE

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
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JAPAN INTERNATIONAL COOPERATION AGENCY

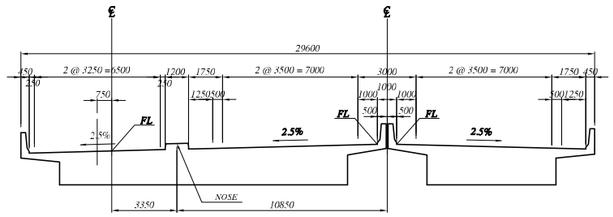
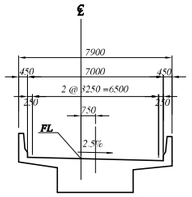
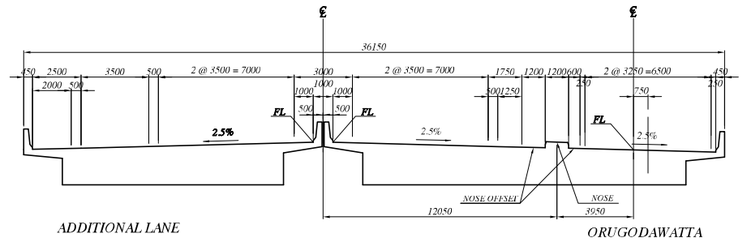
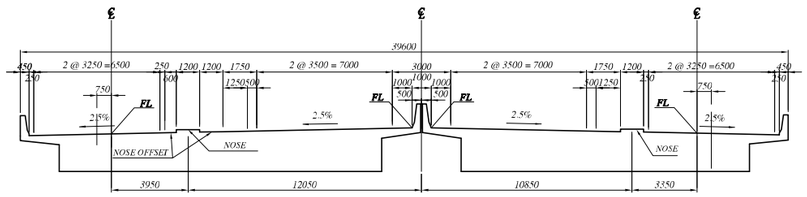
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

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

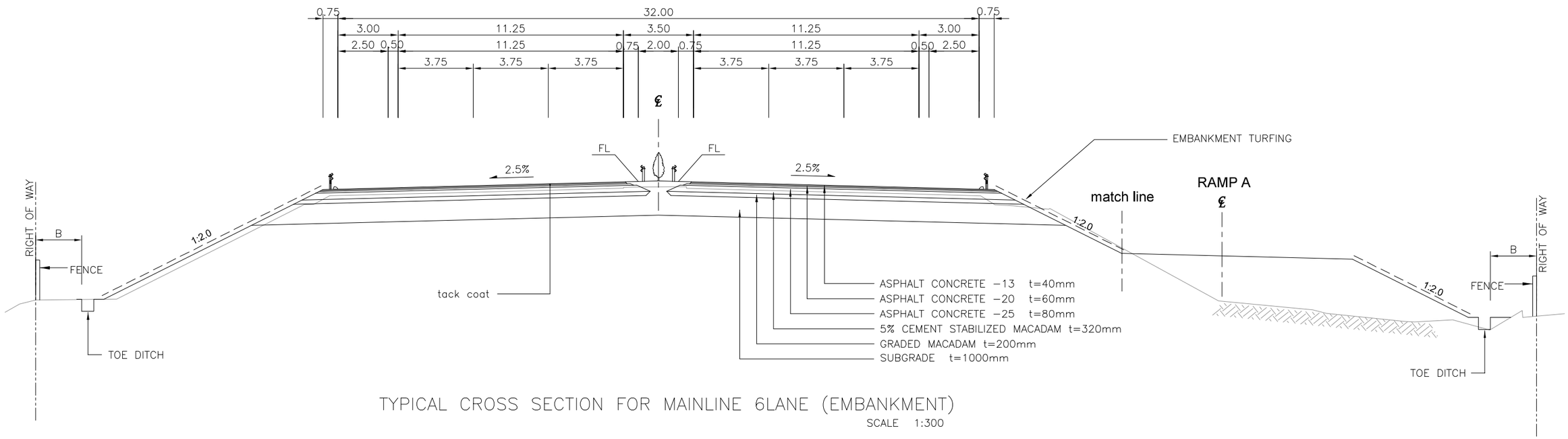
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

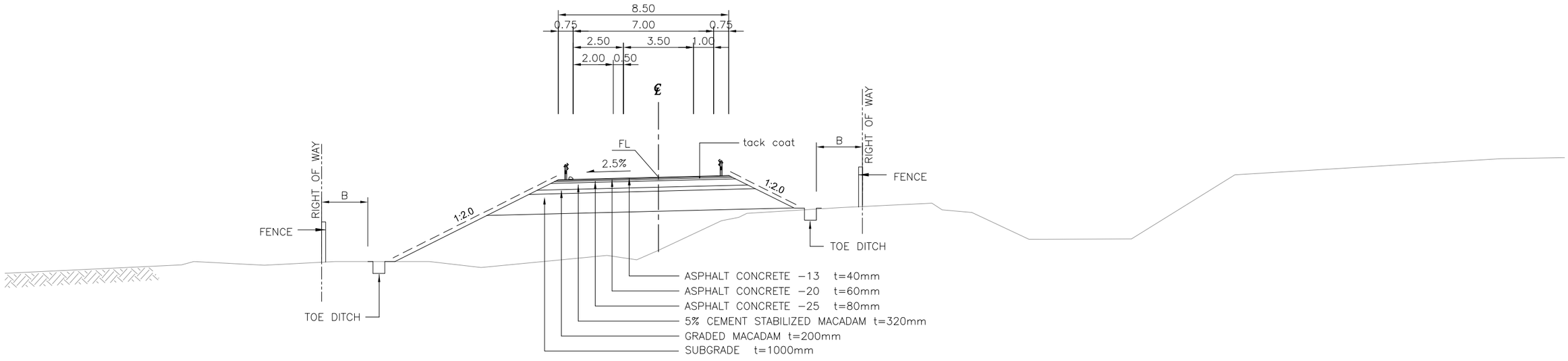
TYPICAL CROSS SECTION 3

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



TYPICAL CROSS SECTION FOR MAINLINE 6LANE (EMBANKMENT)

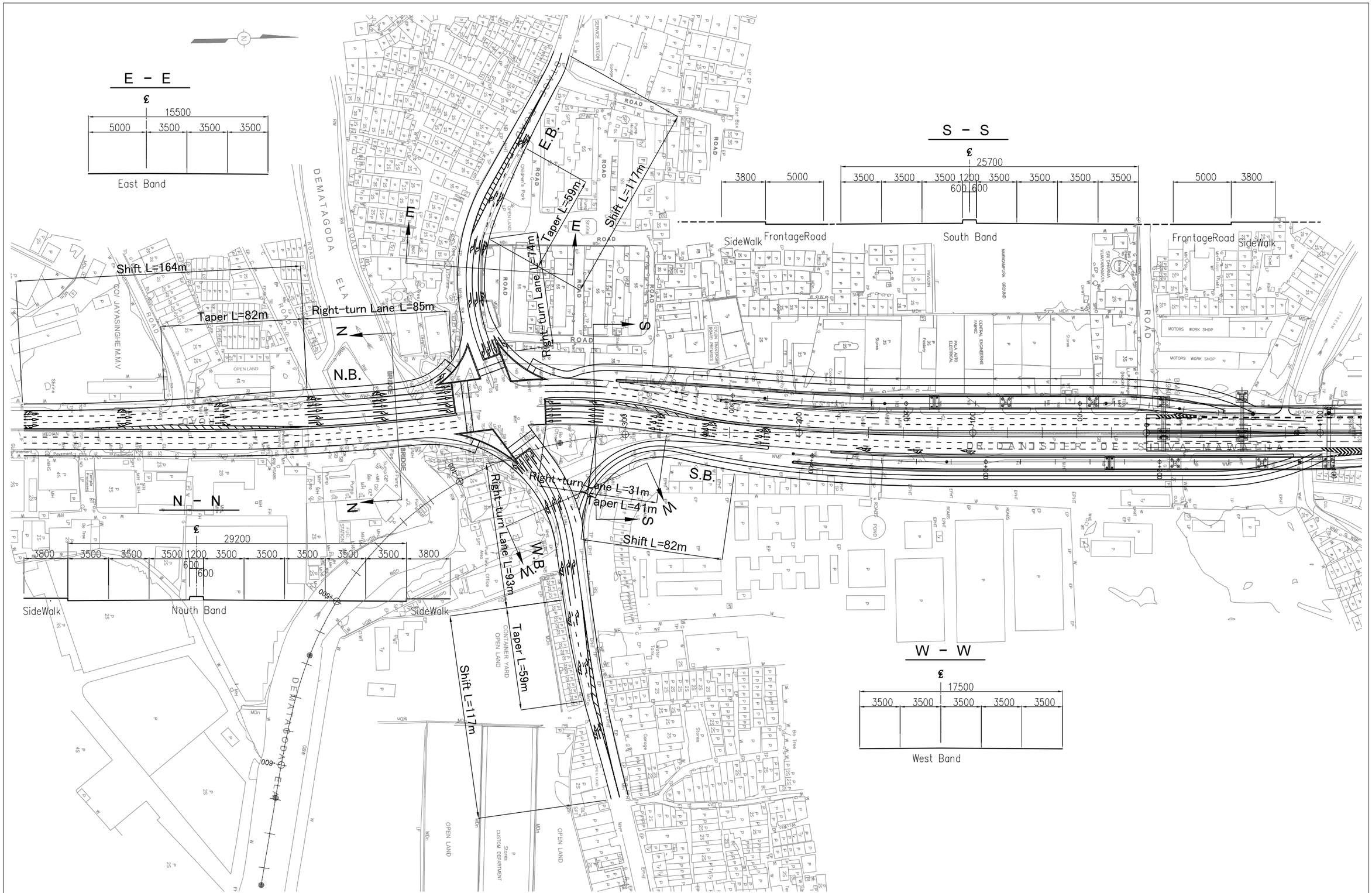
SCALE 1:300



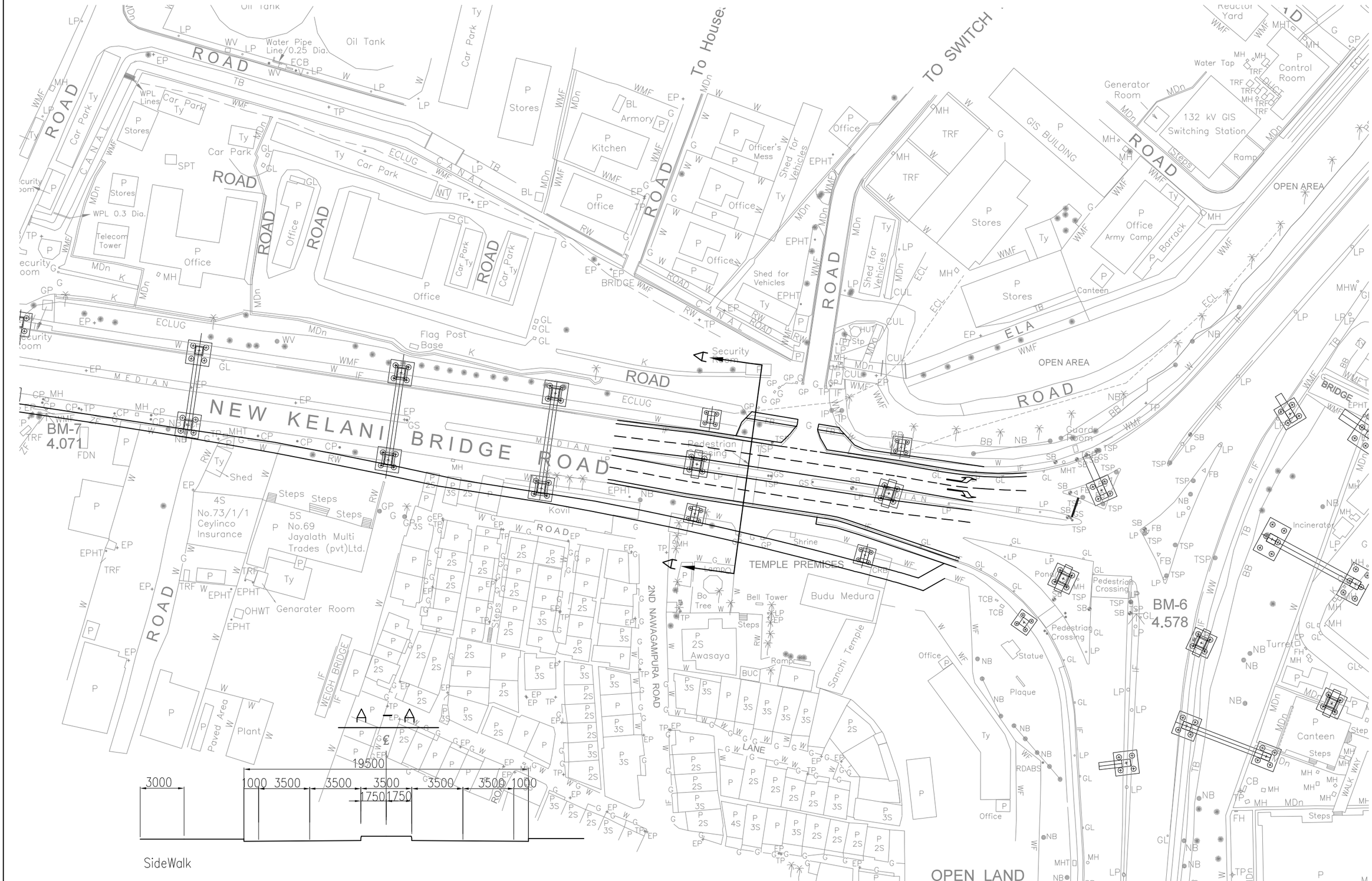
TYPICAL CROSS SECTION FOR RAMP (EMBANKMENT)

SCALE 1:300

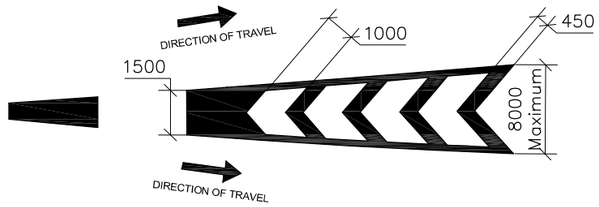
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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



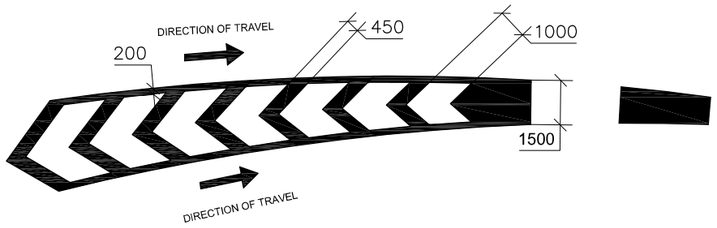
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
		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



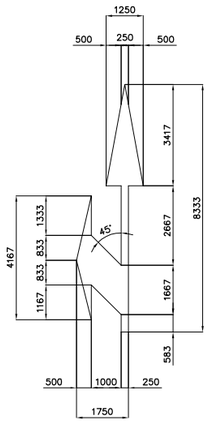
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
	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



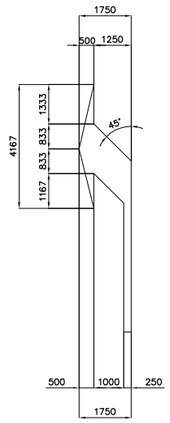
CHEVRON MARKING DETAIL
SCALE 1:200



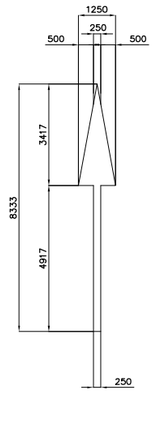
CHEVRON MARKING DETAIL
SCALE 1:200



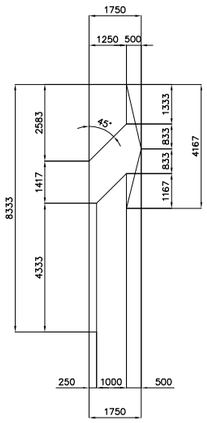
A - 1



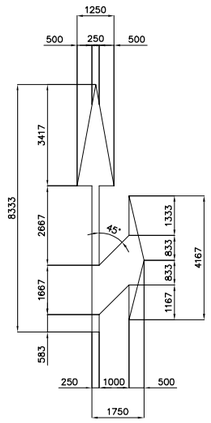
A - 2



A - 3



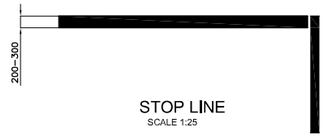
A - 4



A - 5

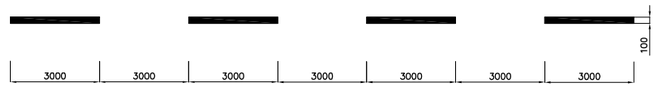
TYPICAL ARROWS DETAIL
SCALE 1:200

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

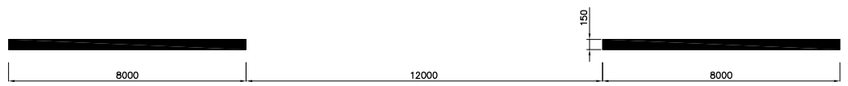


STOP LINE
SCALE 1:25

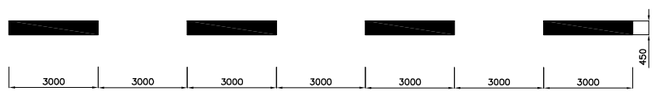
EDGE LINE
SCALE 1:25



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
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JAPAN INTERNATIONAL COOPERATION AGENCY
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KATAHIRA & ENGINEERS INTERNATIONAL

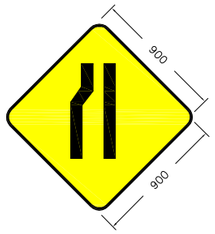
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

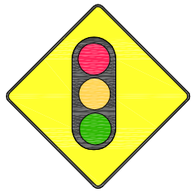
ROAD MARKING

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

DANGER WARNING SIGNS



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



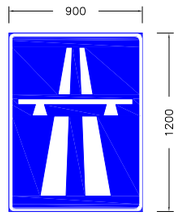
1. 20
LIGHT SIGNALS AHEAD

2. 2. 17

TRAFFIC FROM LEFT
MERGES AHEAD

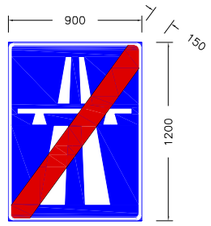
MERGE AHEAD
WITH TRAFFIC FROM
RIGHT

SPECIAL REGULATION SIGNS



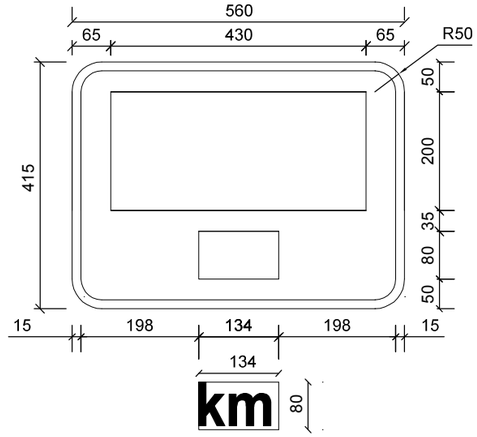
2. 4. 8. 16

EXPRESSWAY

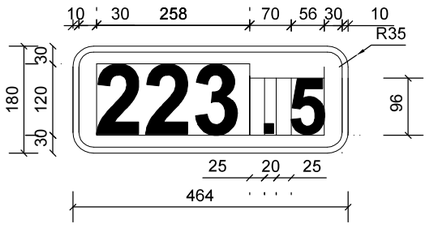


2. 4. 8. 17

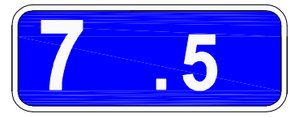
END OF EXPRESSWAY



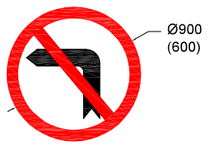
KILOMETER MARKER POST



100 METER MARKER POST



PROHIBITORY SIGNS



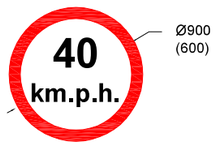
2. 3. 1. 2

NO LEFT TURN

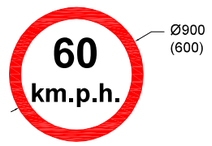
2. 3. 1. 3

NO RIGHT TURN

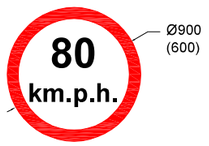
RESTRICTIVE SIGNS



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

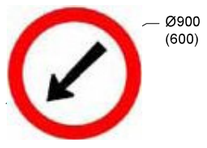


2. 3. 2. 5(b)
SPEED LIMIT



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

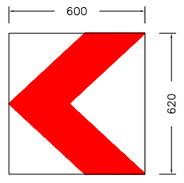
MANDATORY SIGNS



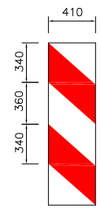
2. 3. 6

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

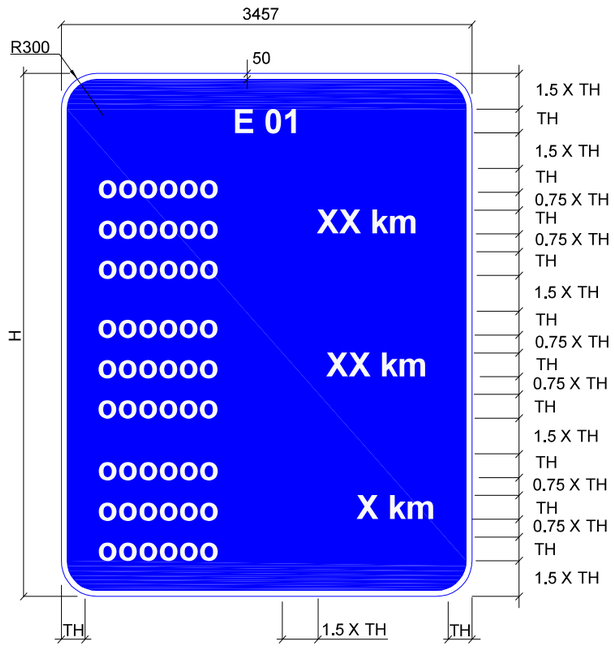
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

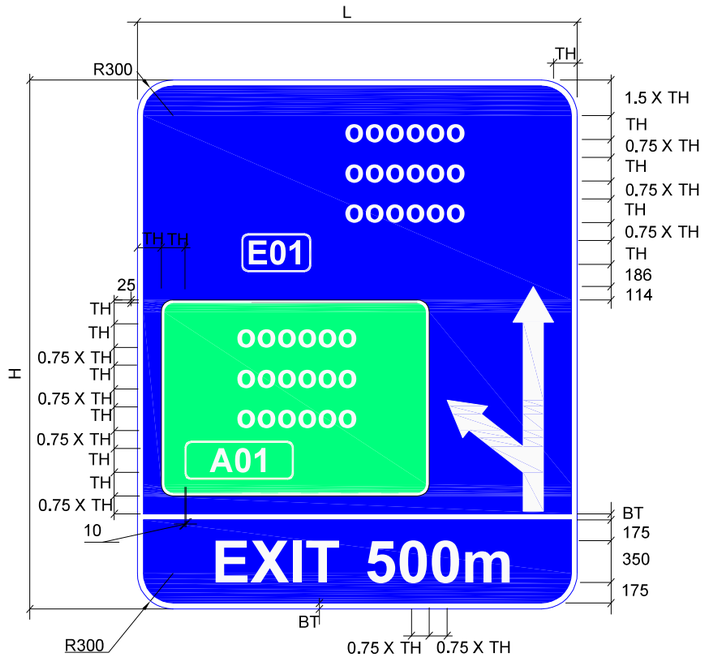
TRAFFIC SIGNS - 1
TYPICAL WARNING SIGNS

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

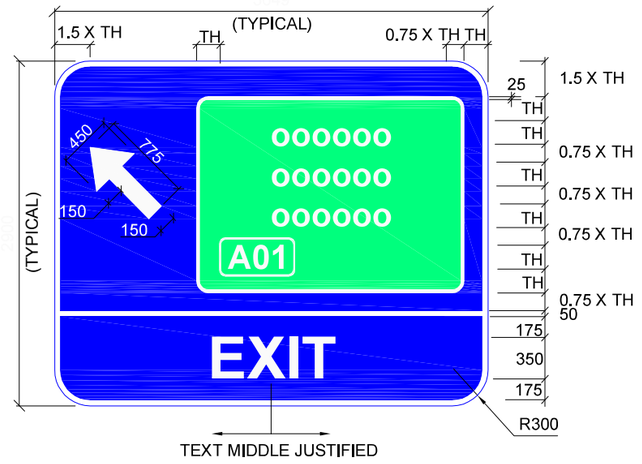
ON EXPRESSWAY FOR INTERCHANGE



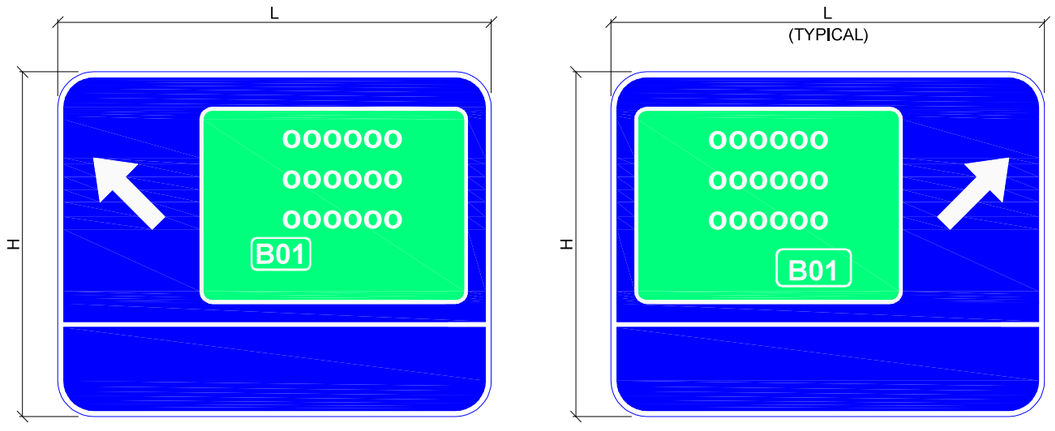
CONFIRMATORY SIGN



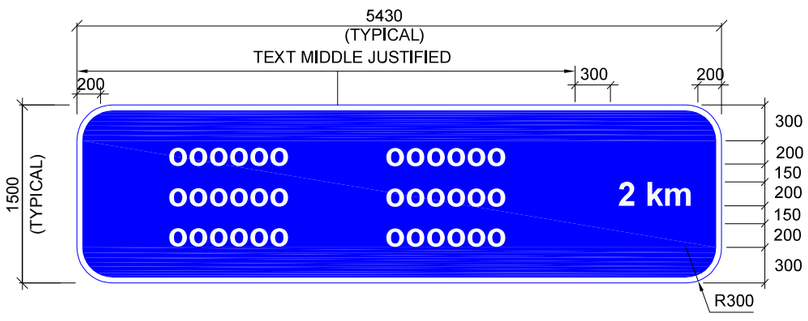
ADVANCE EXIT DIRECTION SIGN



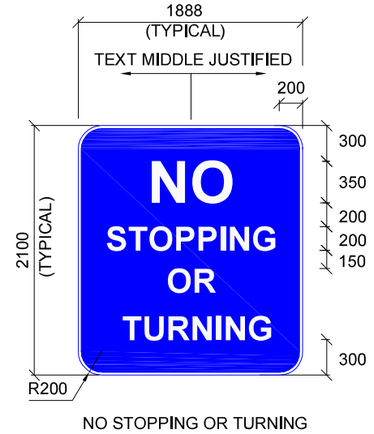
D-2 EXIT DIRECTION SIGN



ADVANCE EXIT DIRECTION SIGN FOR FELLOW RAMPS



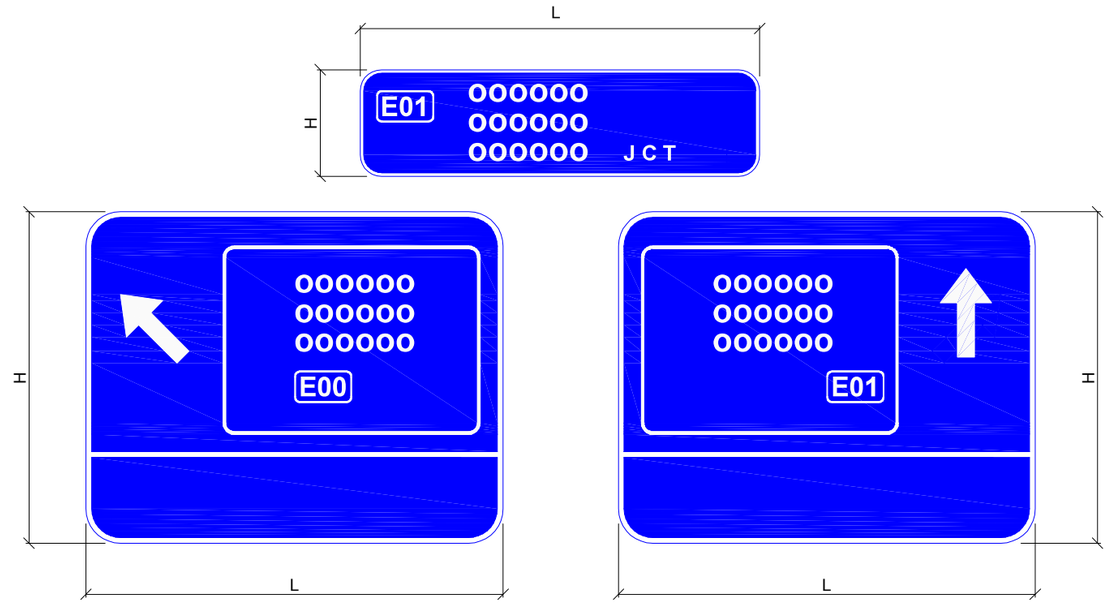
ADVANCE PLACE IDENTIFICATION SIGN



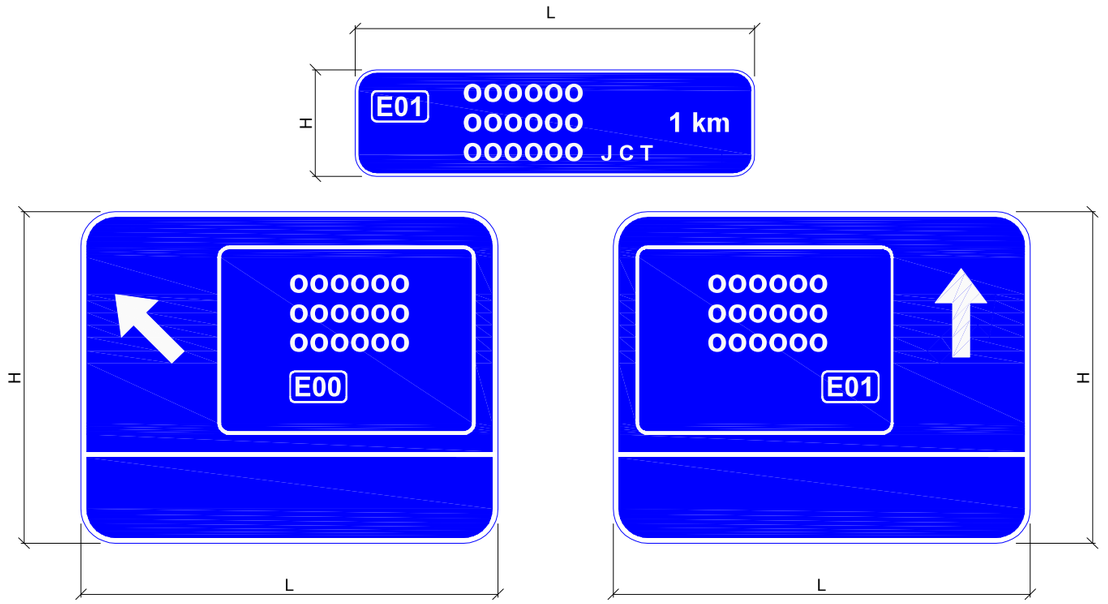
NO STOPPING OR TURNING

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

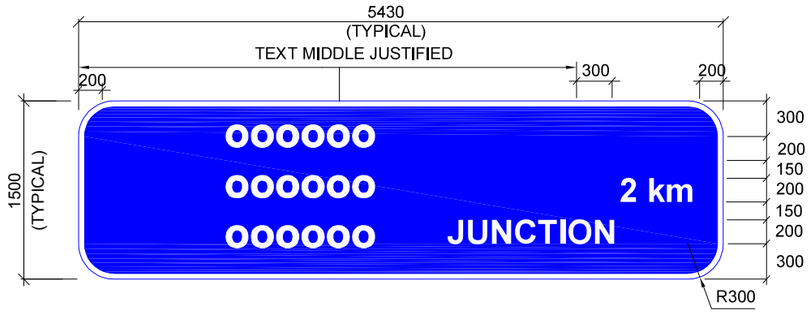
ON EXPRESSWAY FOR JUNCTION



EXIT DIRECTION SIGN



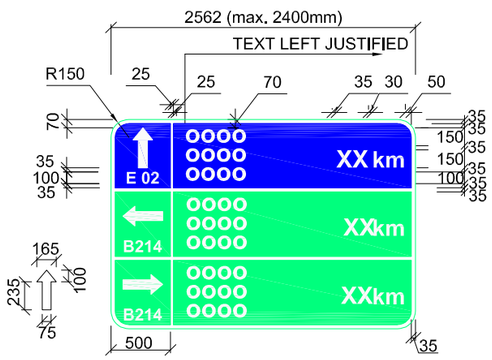
ADVANCE EXIT DIRECTION SIGN



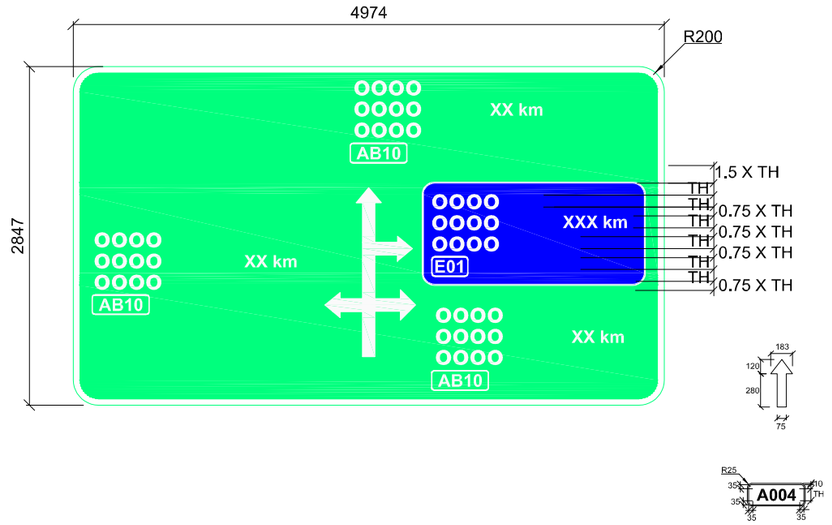
ADVANCE PLACE IDENTIFICATION SIGN

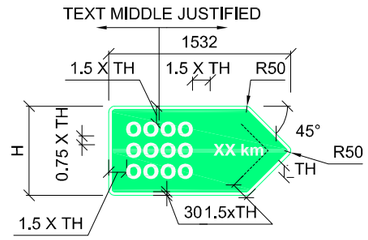
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TRAFFIC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

ON HIGHWAYS

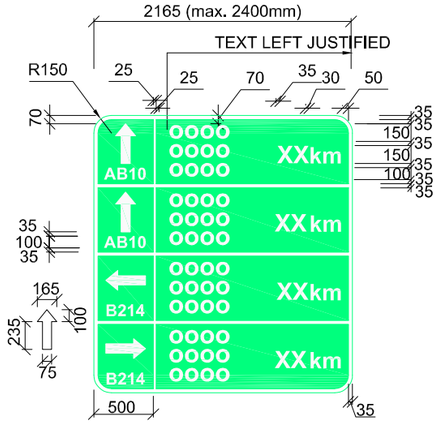


ADVANCE DIRECTION SIGN TYPE 2

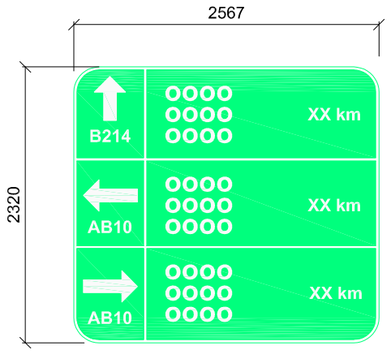


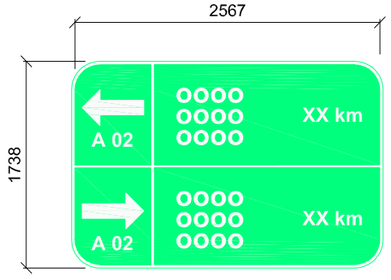


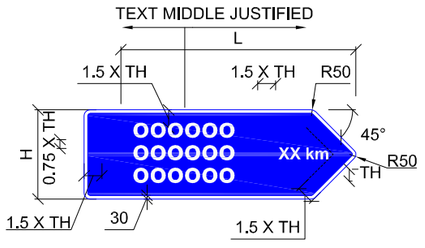
2. 4. 2. 1(a) DIRECTION SIGN



ADVANCE DIRECTION SIGN

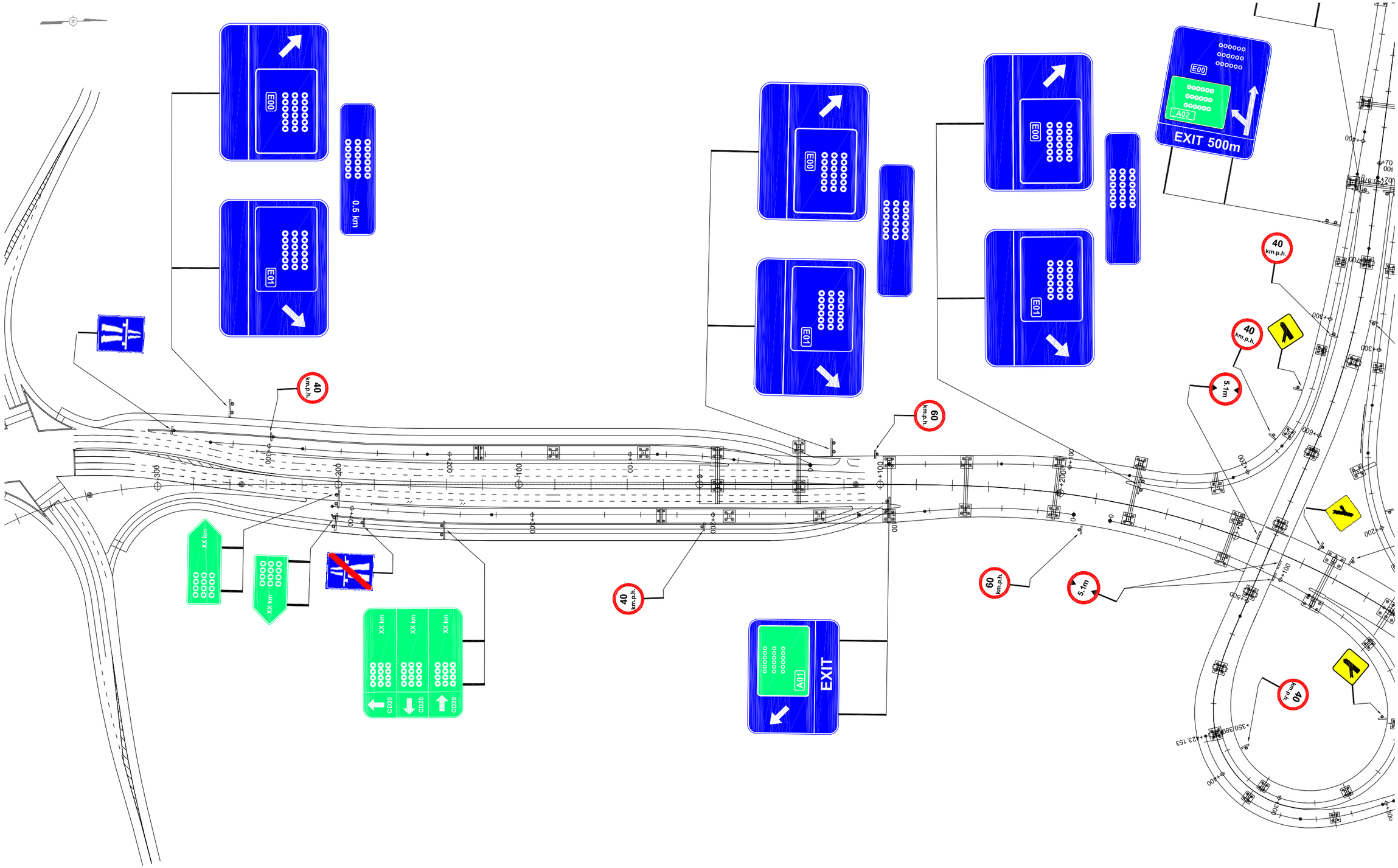




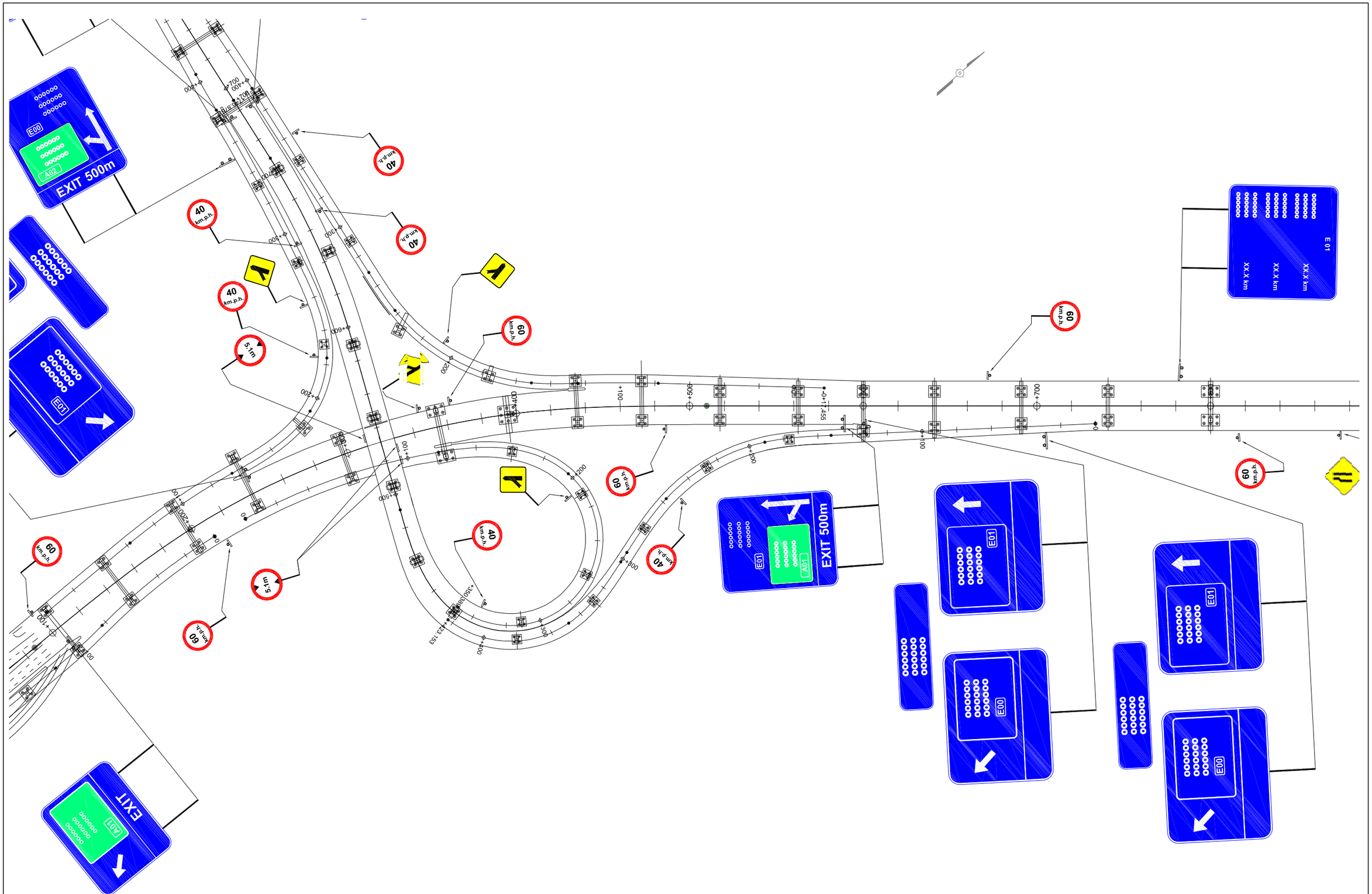


2. 4. 2. 1(a) DIRECTION SIGN

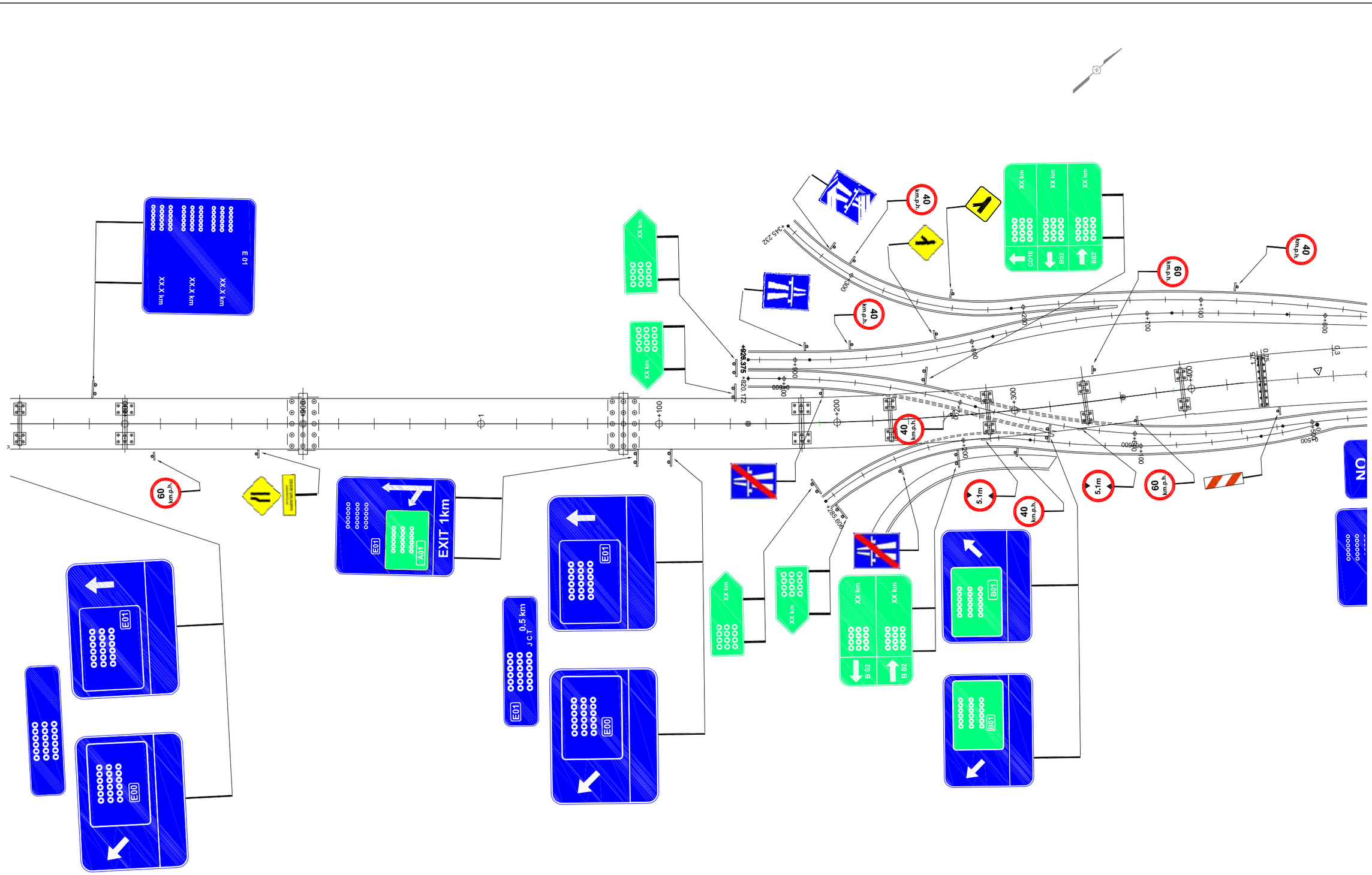
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TRAFFIC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



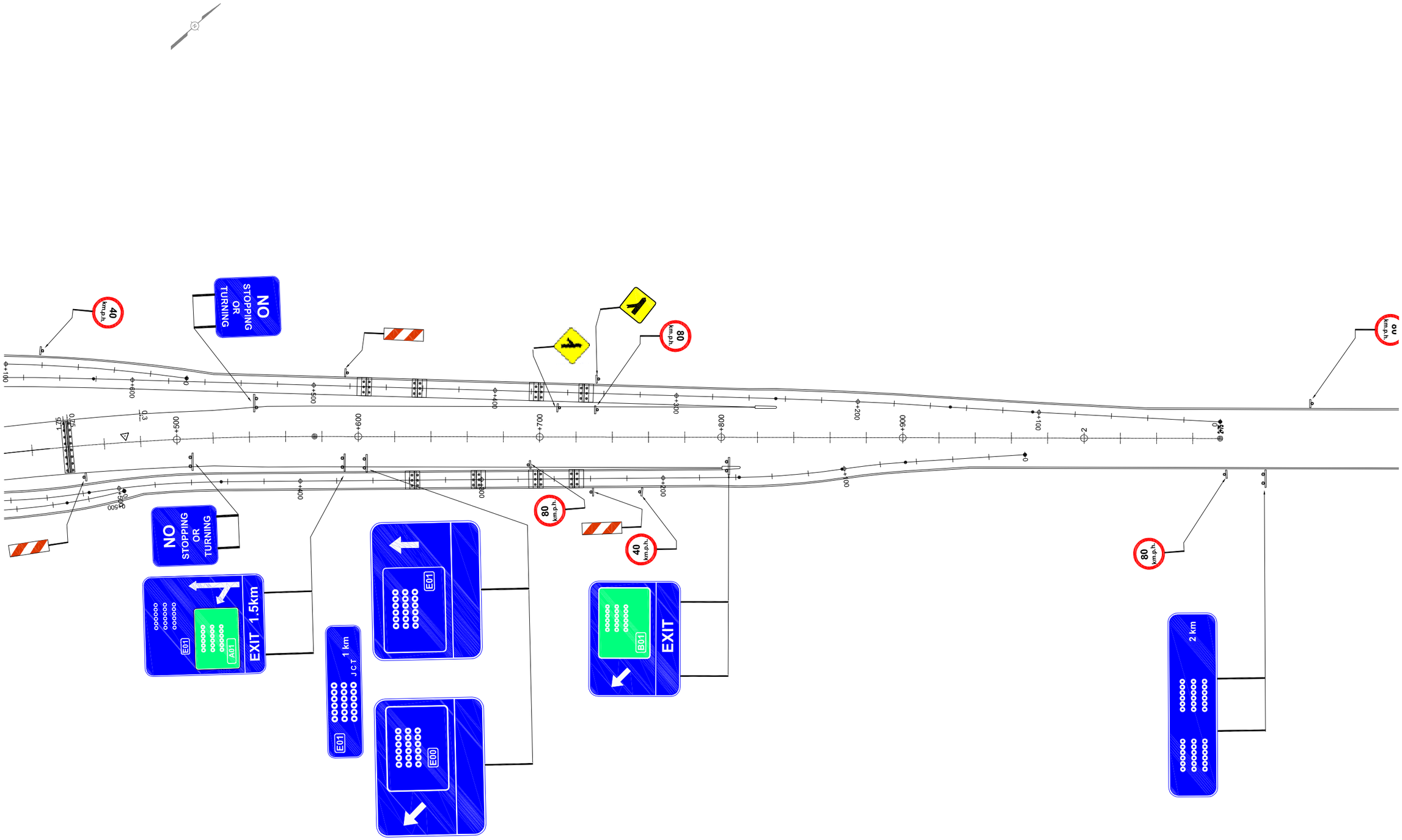
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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



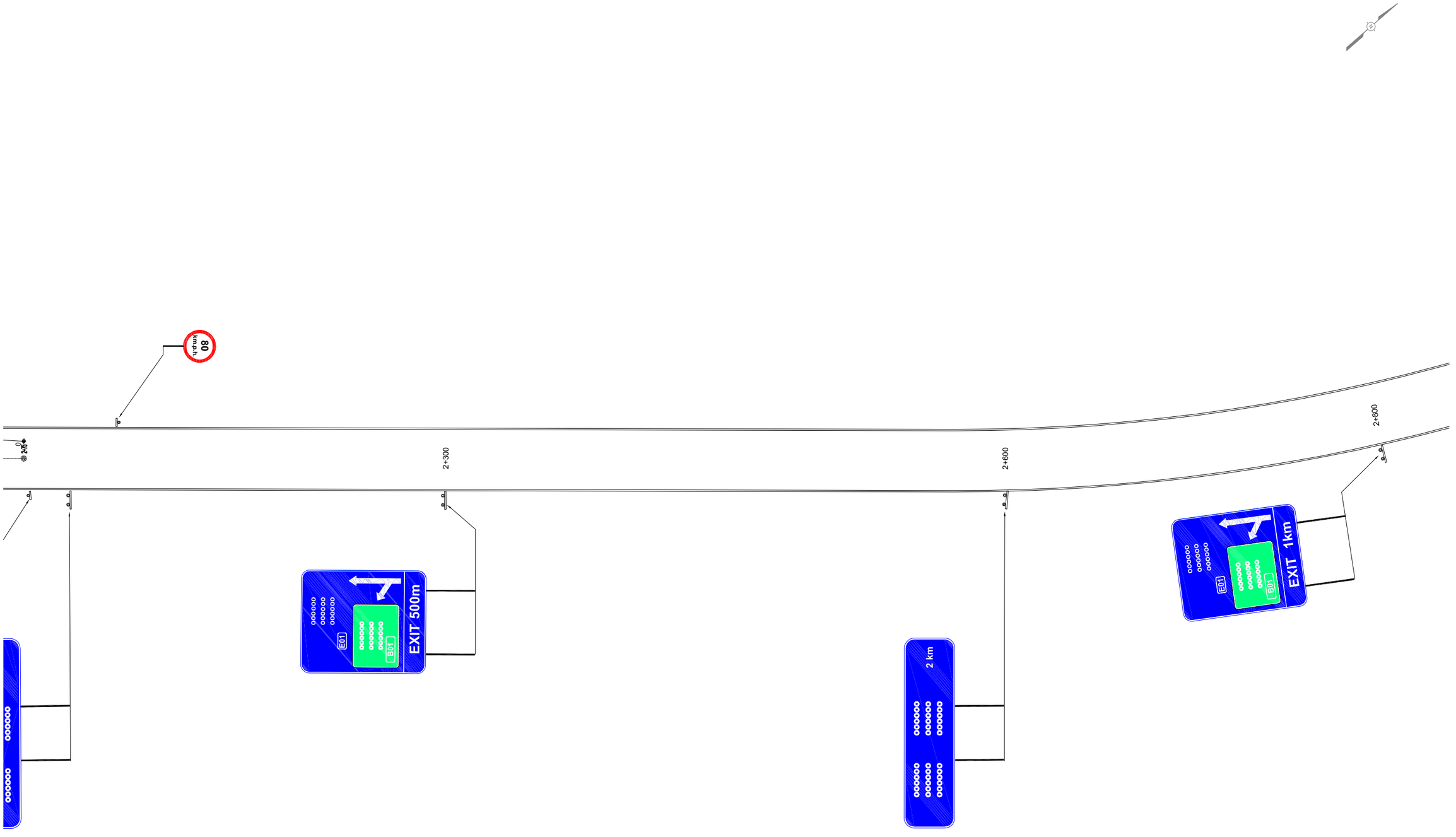
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					TRAFFIC SIGN LAYOUT - 2 KELANITTISA	APPROVED BY:	
		No	REVISION	DATE		DWG. NO.	H-36



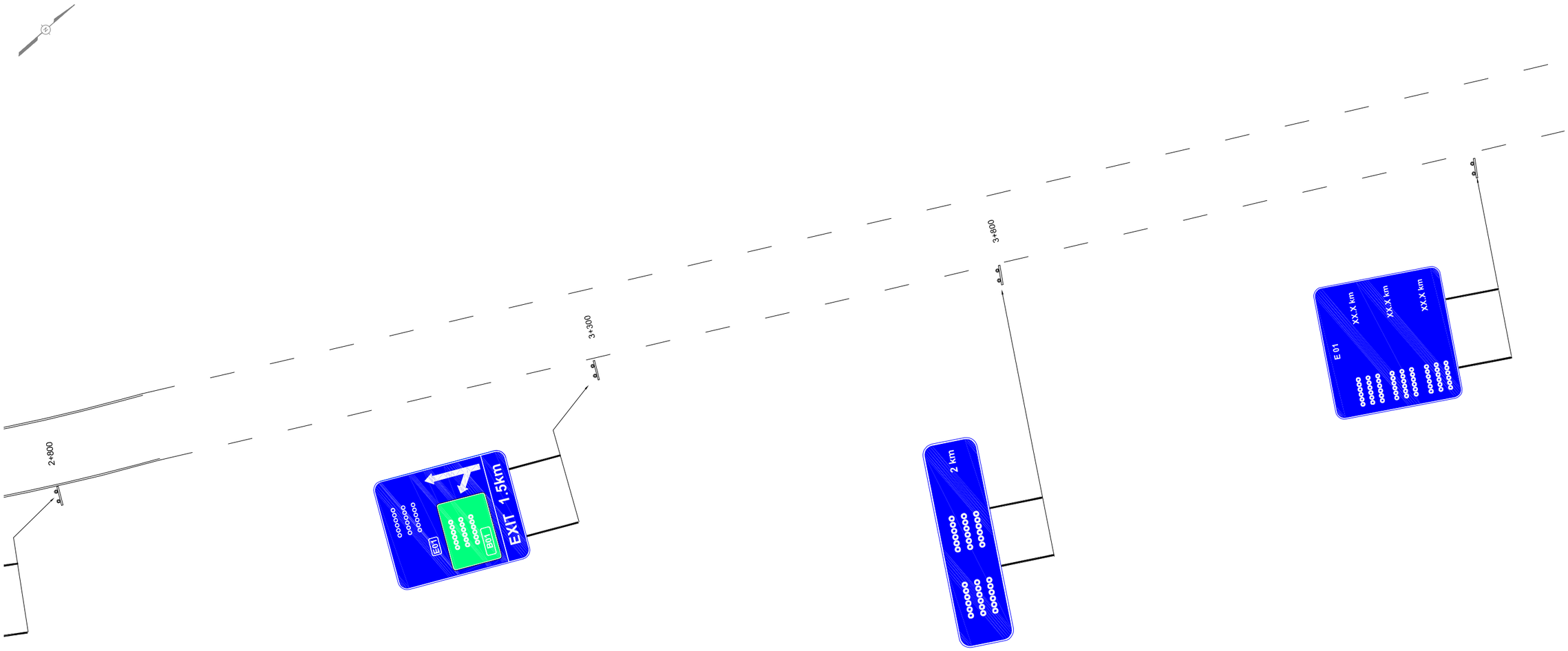
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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



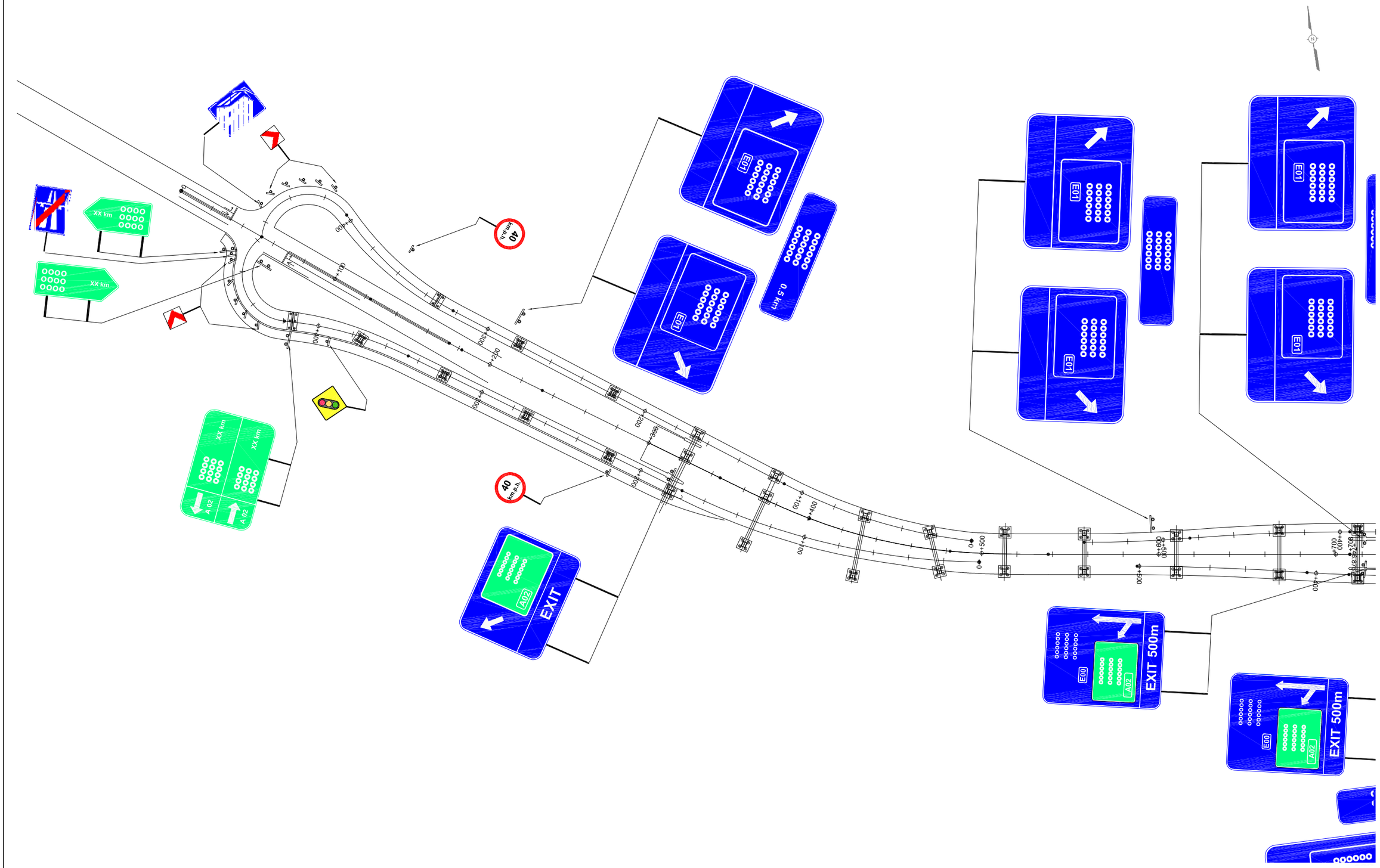
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE TRAFFIC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



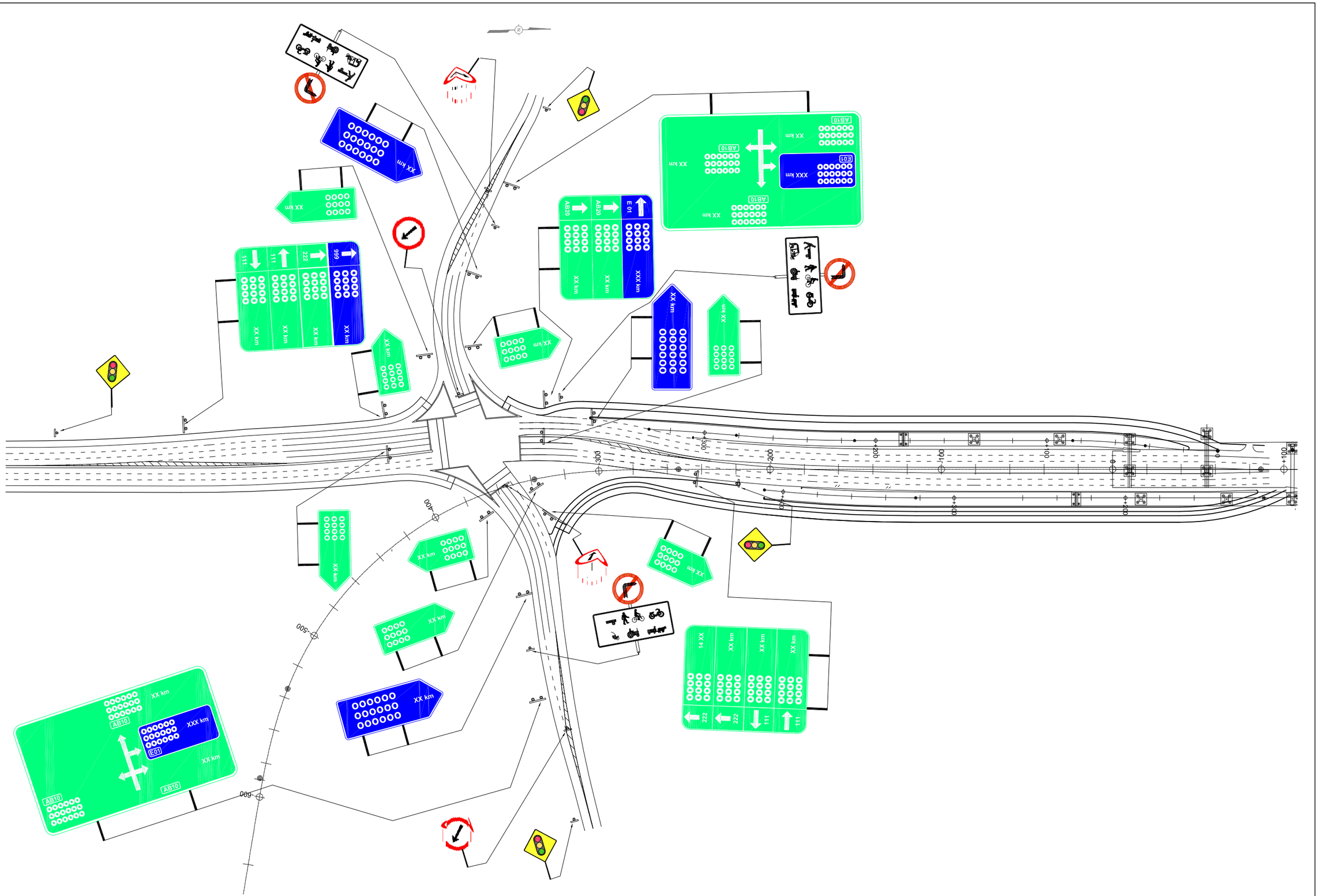
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
		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



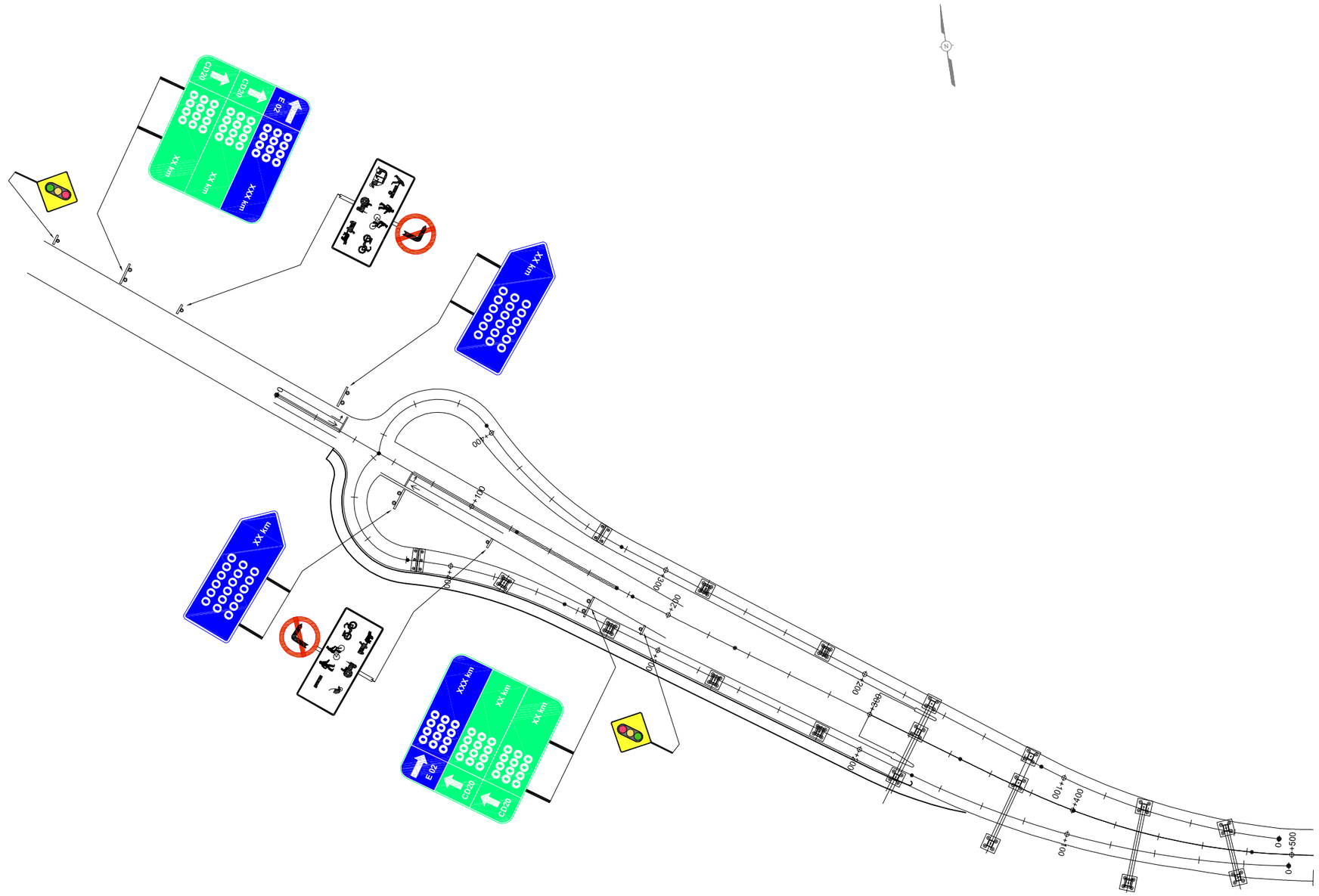
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						CHECKED BY:	
					TRAFFIC SIGN LAYOUT - 6 CKE	APPROVED BY:	
		No	REVISION	DATE		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			**PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE**	DESIGNED BY:
	ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				CHECKED BY:
				TRAFFIC SIGN LAYOUT - 8 ORUGODAWATTA INTERSECTION	APPROVED BY:
		No	REVISION / DATE		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

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

TRAFFIC SIGN LAYOUT - 9
INGURUKADE INTERSECTION

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	H-43

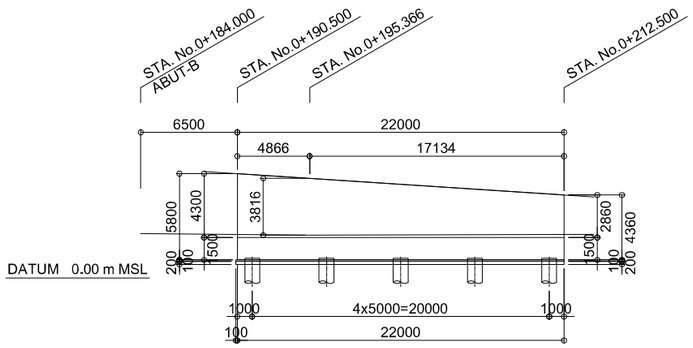
GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (1)

STA.0+184.000 TO STA.0+212.500

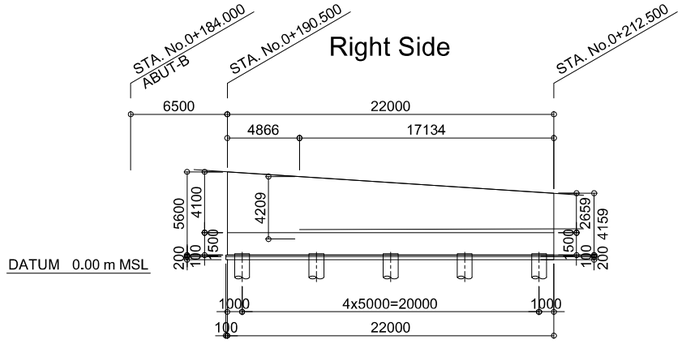
U Type Retaining wall

PROFILE SCALE 1:400

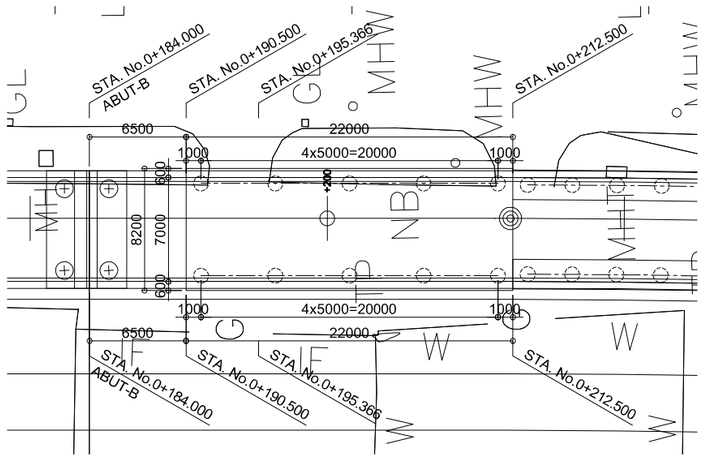
Left Side



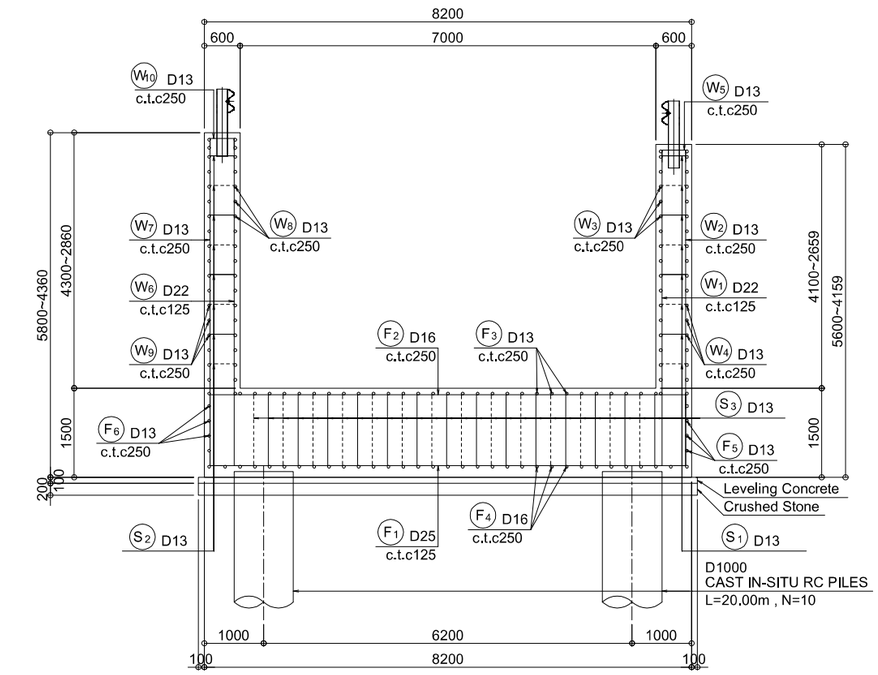
Right Side



PLAN SCALE 1:400



SECTION SCALE 1:100



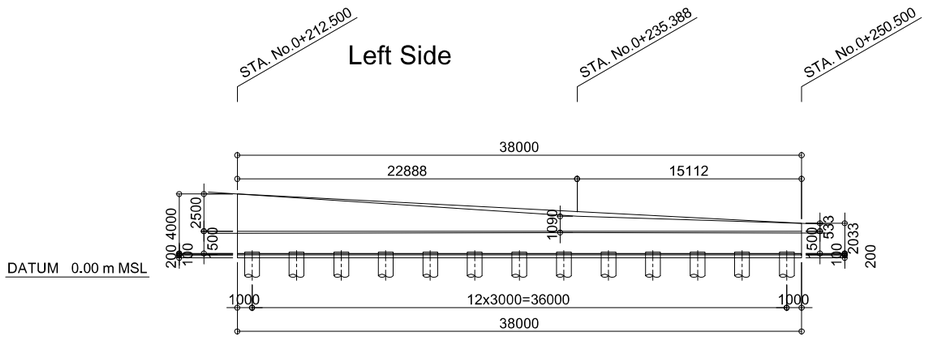
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL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

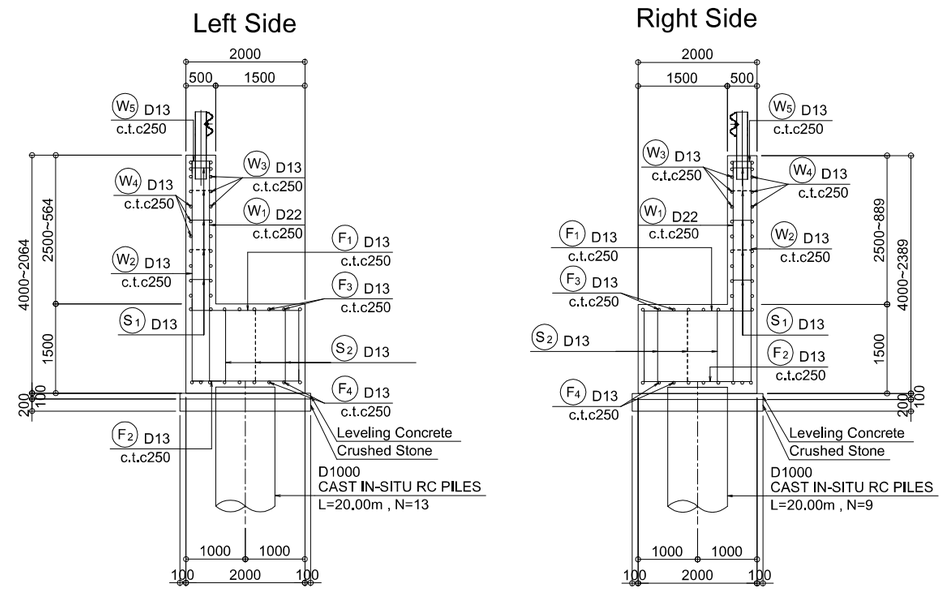
STA.0+212.500 TO STA.0+250.500

L Type Retaining wall

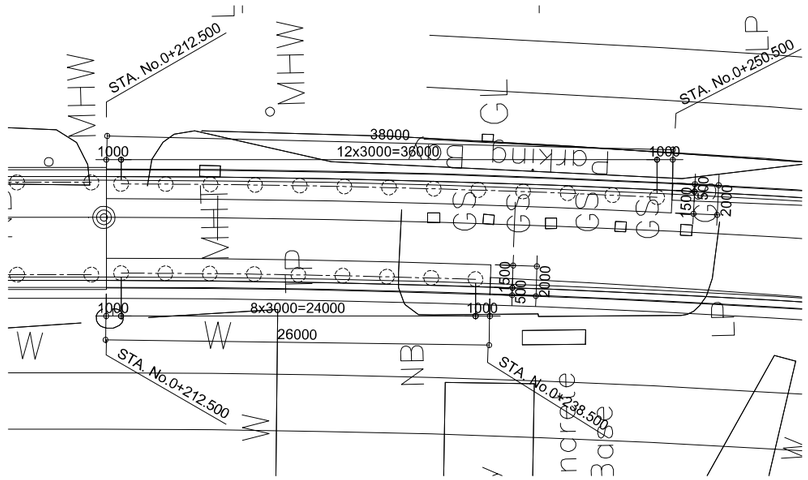
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



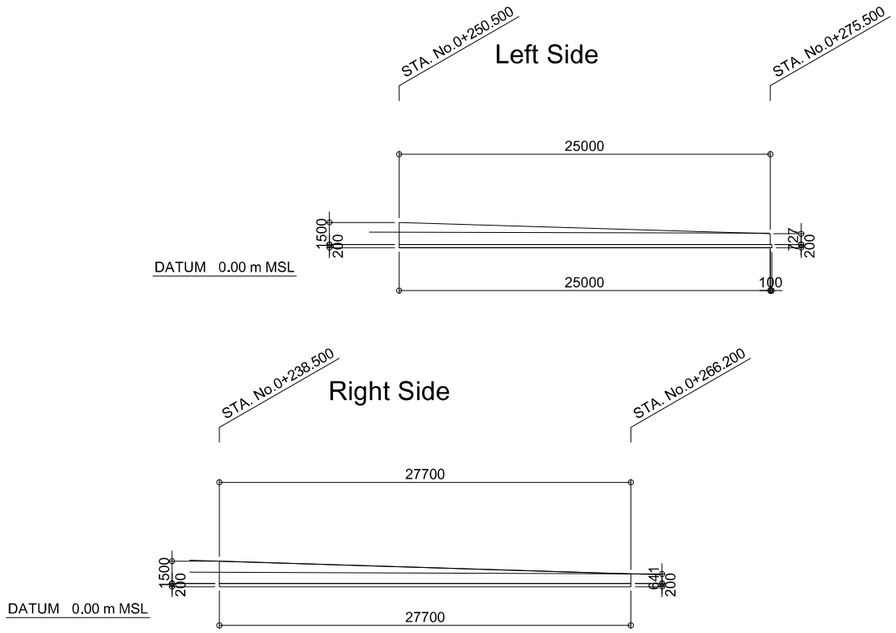
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY: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

GENERAL VIEW OF RETAINING WALL ORUGODAWATTA ON RAMP (3)

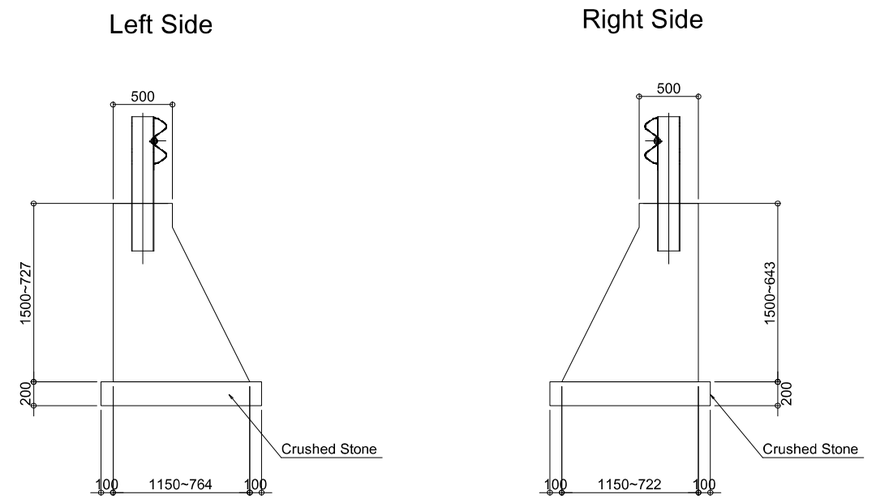
STA.0+238.500 TO STA.0+275.500

Gravity Retaining wall

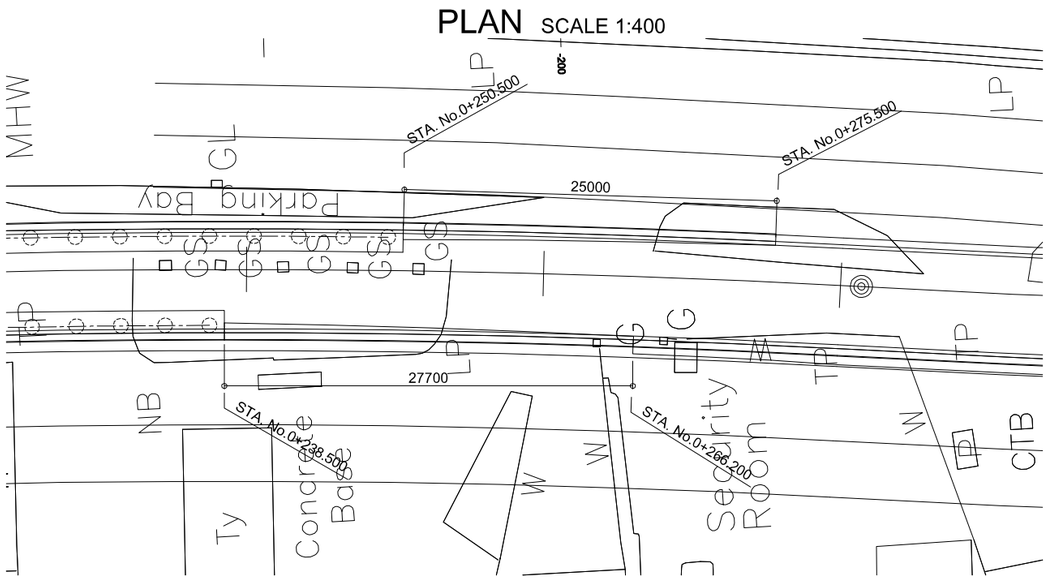
PROFILE SCALE 1:400



SECTION SCALE 1:50



PLAN SCALE 1:400



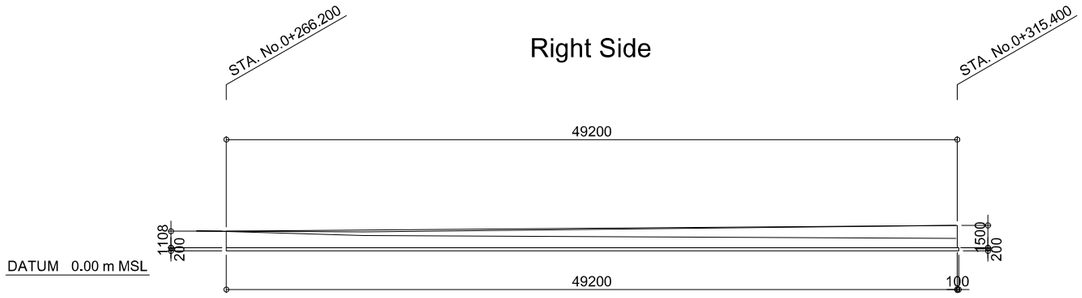
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

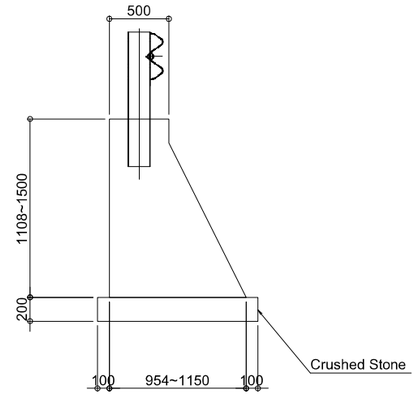
STA.0+266.200 TO STA.0+315.400

Gravity Retaining wall

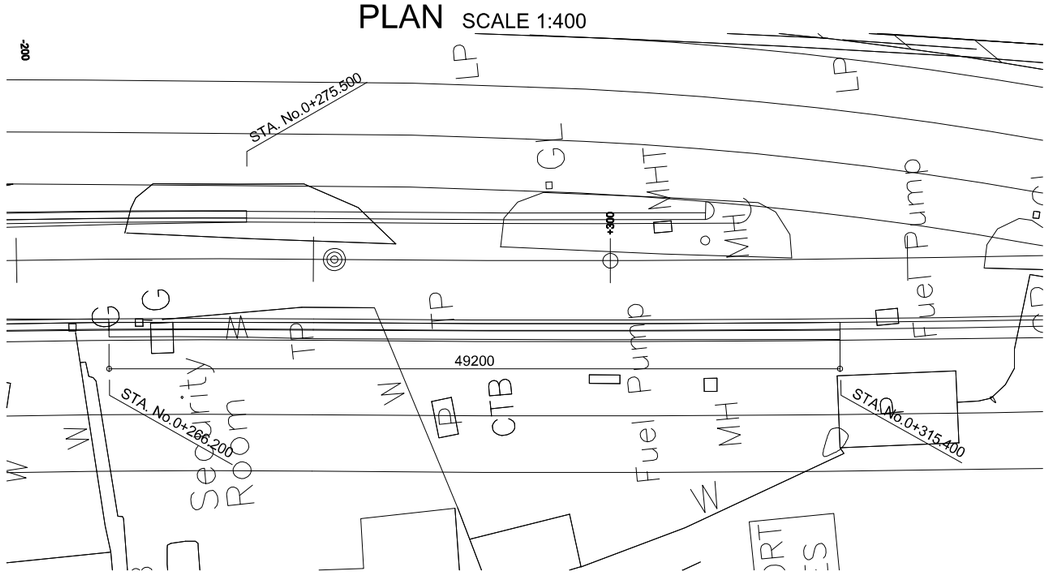
PROFILE SCALE 1:400



SECTION SCALE 1:50



PLAN SCALE 1:400



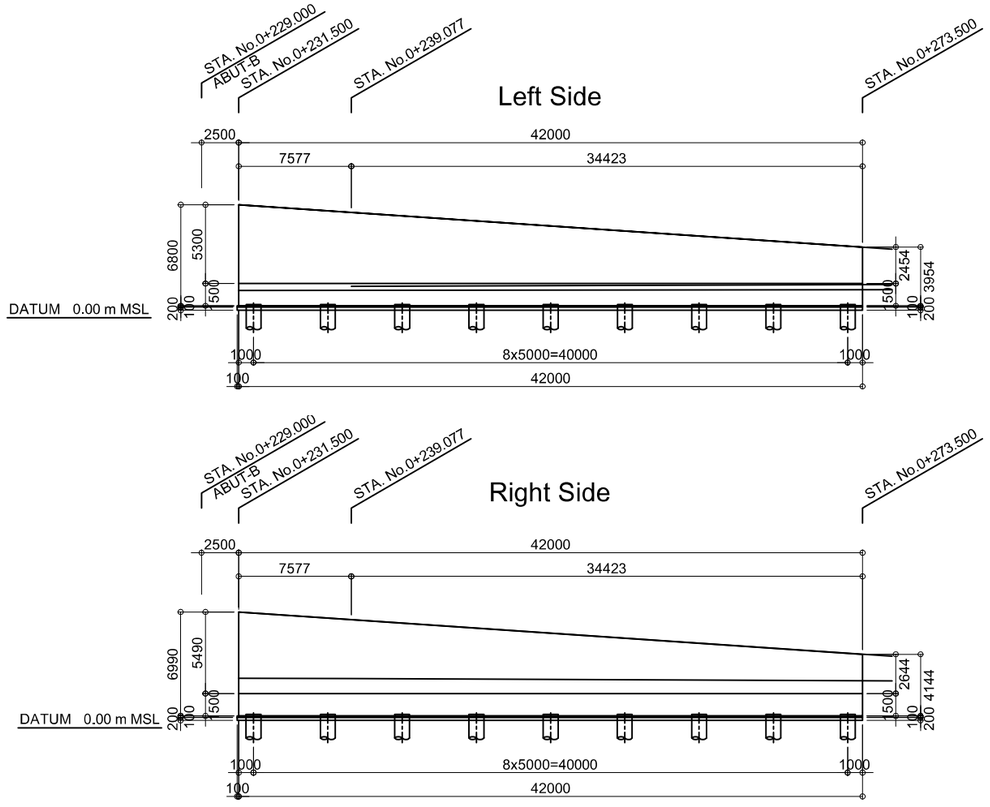
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						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)

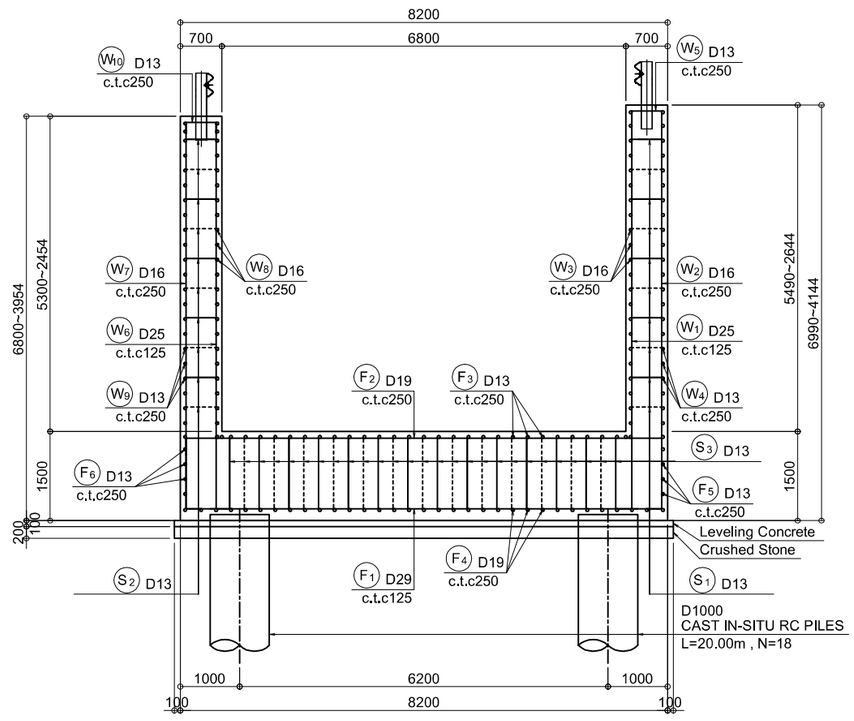
STA.0+229.000 TO STA.0+273.500

U Type Retaining wall

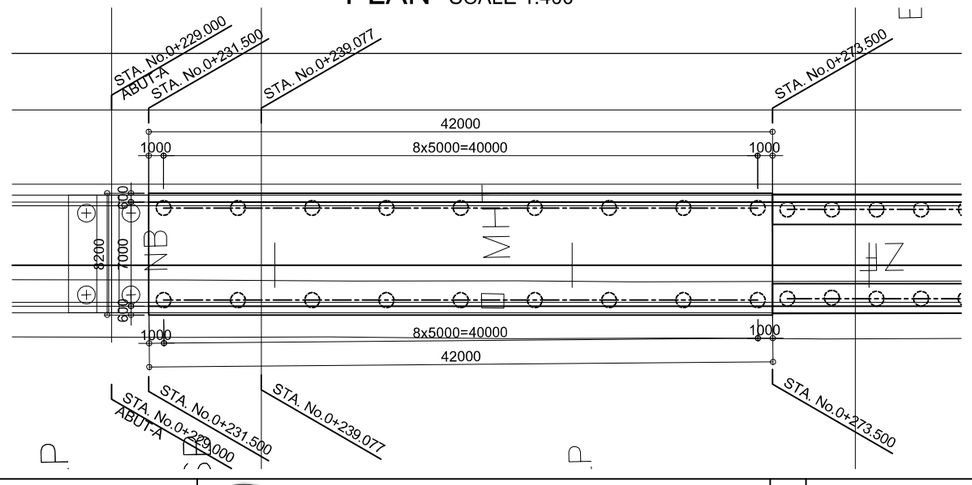
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



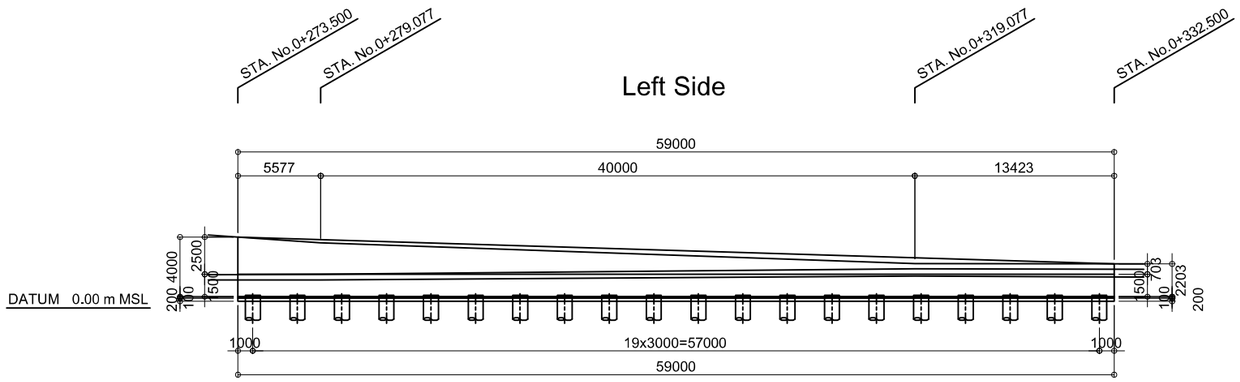
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

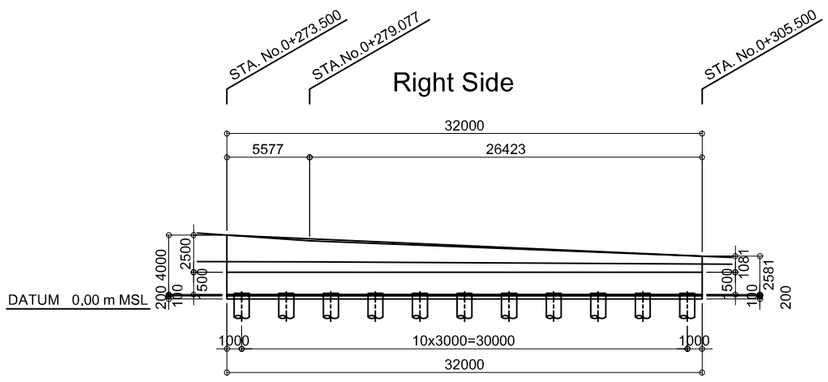
GENERAL VIEW OF RETAINING WALL ORUGODAWATTA OFF RAMP (2)

STA.0+273.500 TO STA.0+332.500

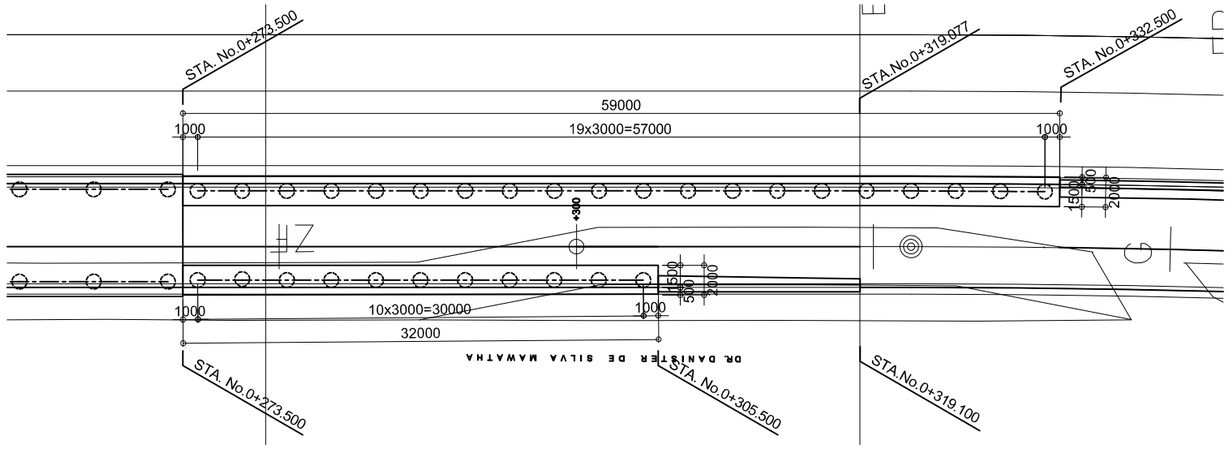
L Type Retaining wall

PROFILE SCALE 1:400

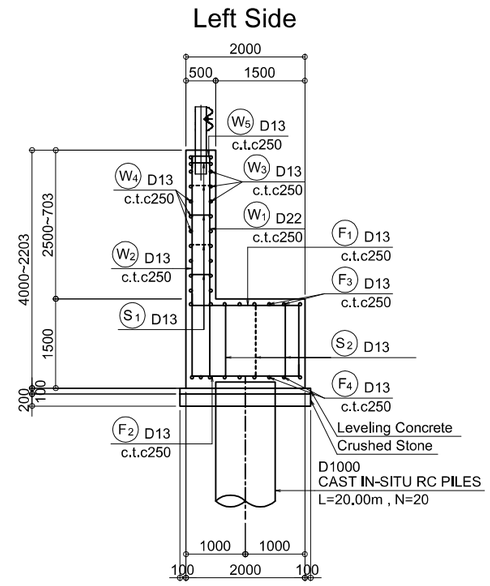


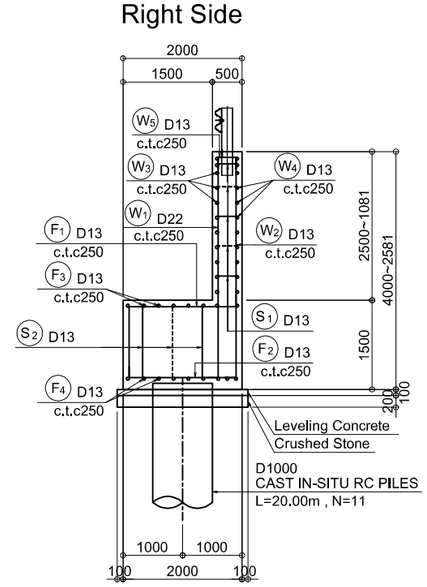


PLAN SCALE 1:400



SECTION SCALE 1:100





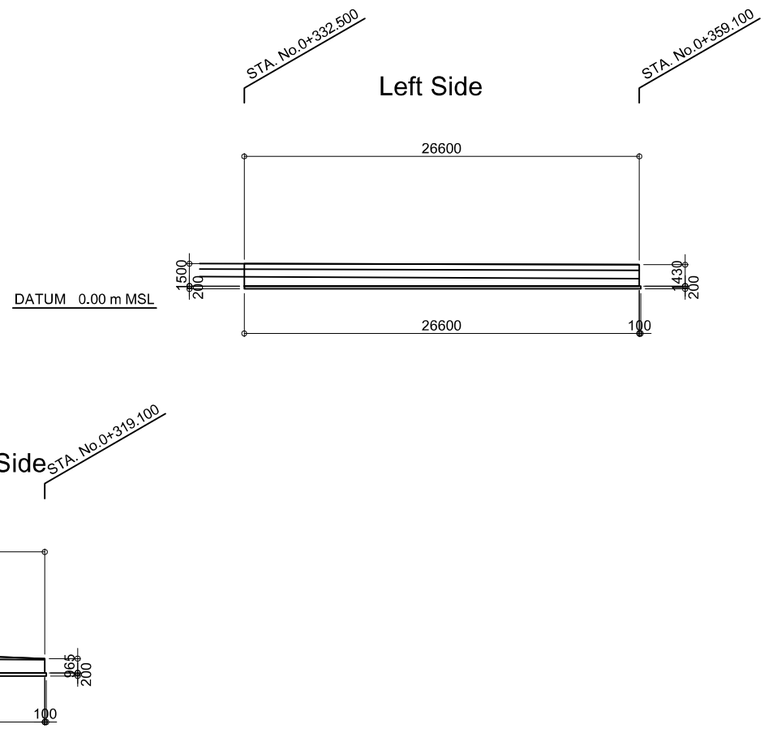
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL VIEW OF RETAINING WALL ORUGODAWATTA 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)

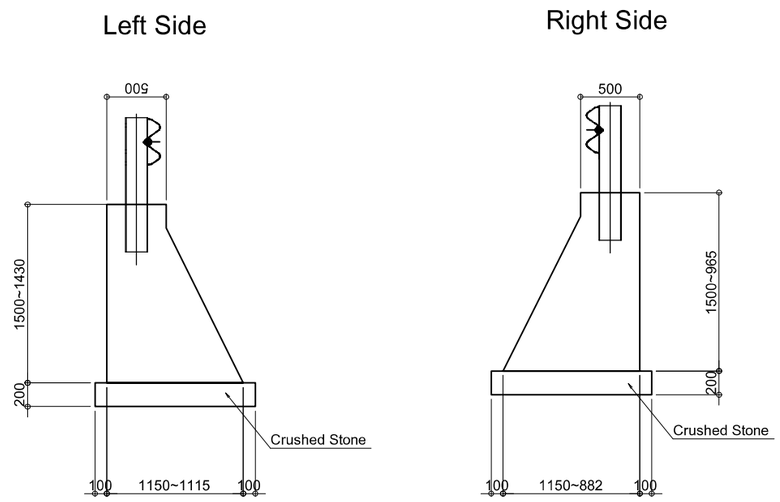
STA.0+305.500 TO STA.0+359.100

Gravity Retaining wall

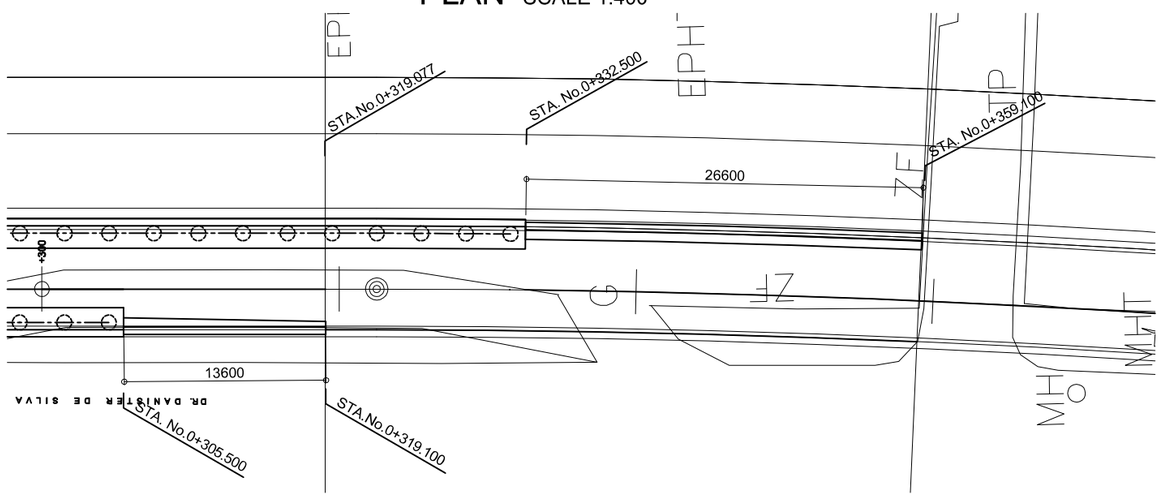
PROFILE SCALE 1:400



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	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL VIEW OF RETAINING WALL ORUGODAWATTA OFF RAMP (3) STA.0+305.500 TO STA.0+359.100	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. R-07

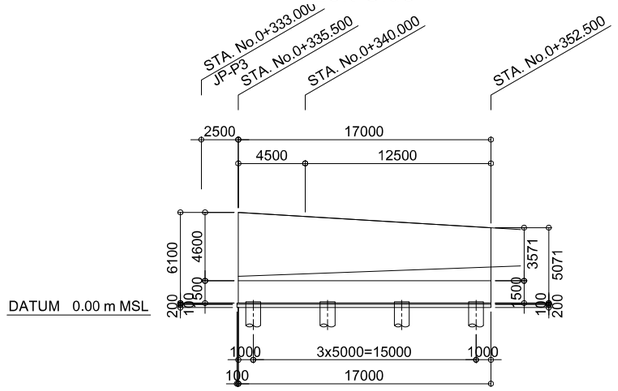
GENERAL VIEW OF RETAINING WALL INGURUKADE ON RAMP (1)

STA.0+333.000 TO STA.0+352.500

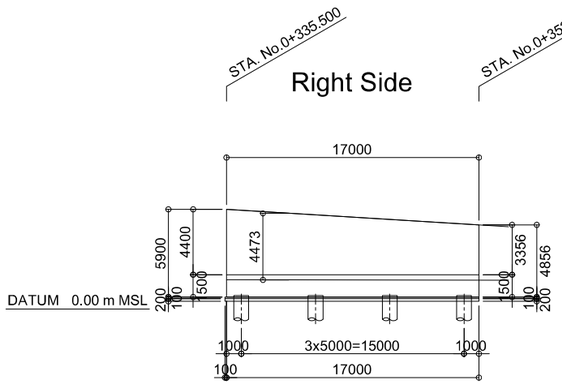
U Type Retaining wall

PROFILE SCALE 1:400

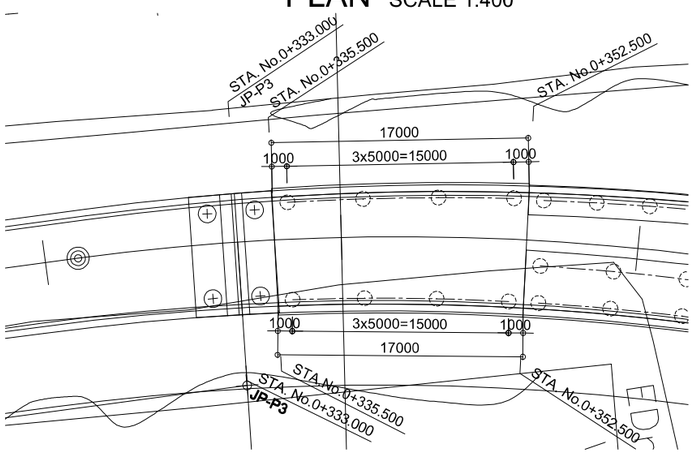
Left Side



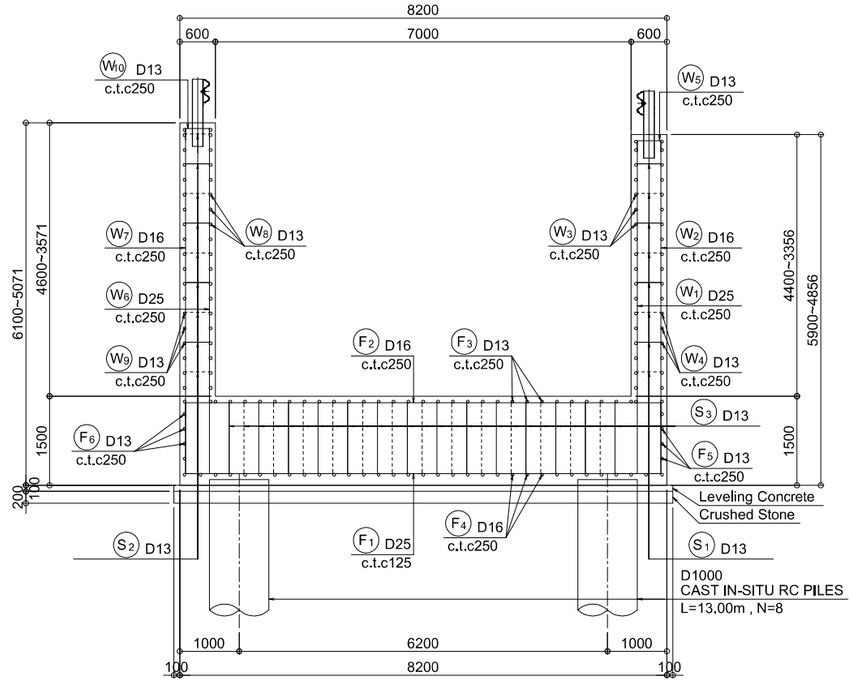
Right Side



PLAN SCALE 1:400



SECTION SCALE 1:100



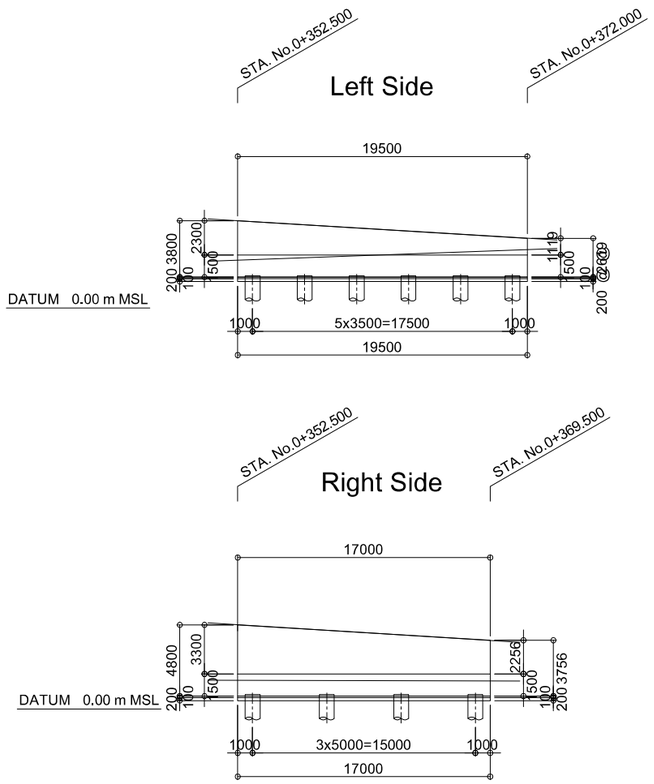
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

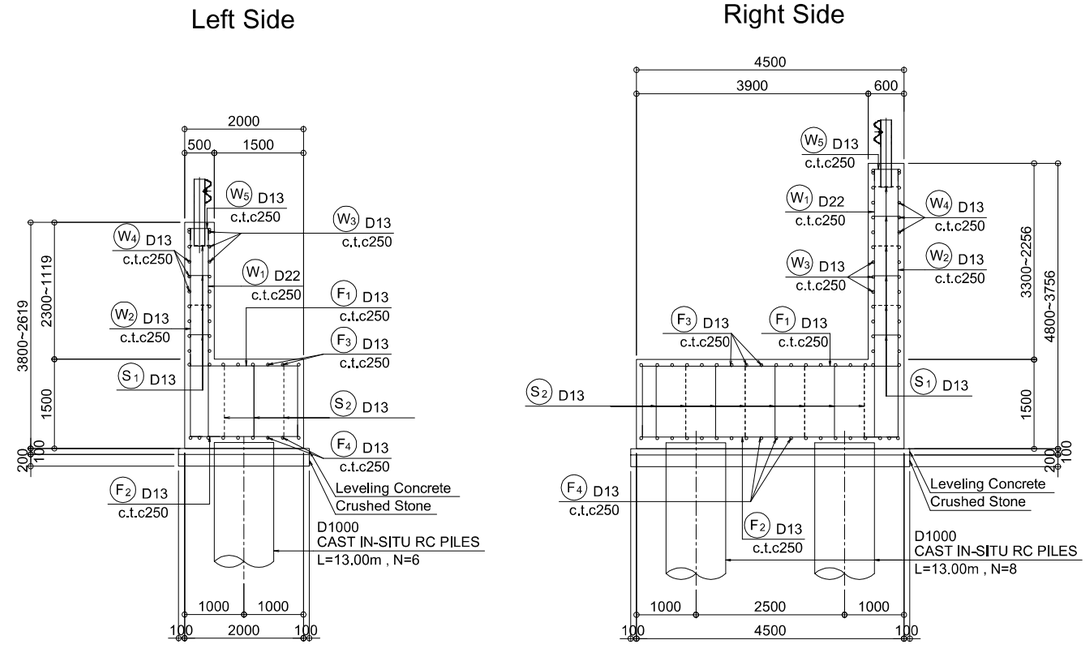
STA.0+352.500 TO STA.0+372.000

L Type Retaining wall

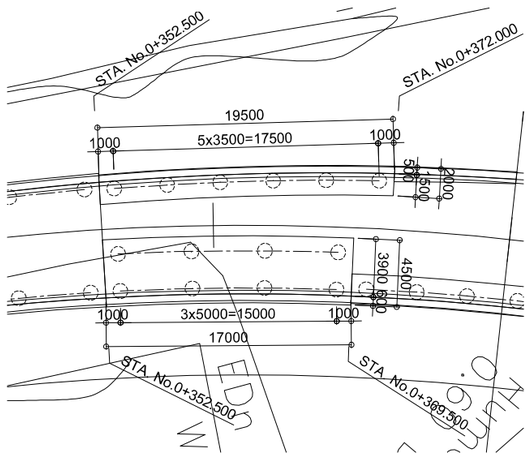
PROFILE SCALE 1:400



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	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL VIEW OF RETAINING WALL INGURUKADE ON RAMP(2) STA.0+352.500 TO STA.0+372.000

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

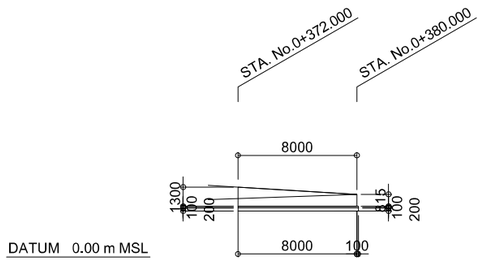
GENERAL VIEW OF RETAINING WALL INGURUKADE ON RAMP (3)

STA.0+369.500 TO STA.0+385.500

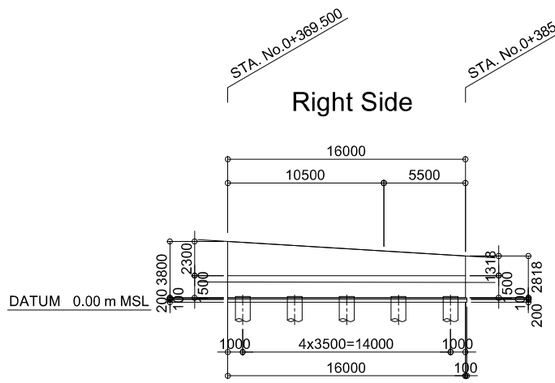
L Type Retaining wall & Gravity Retaining wall

PROFILE SCALE 1:400

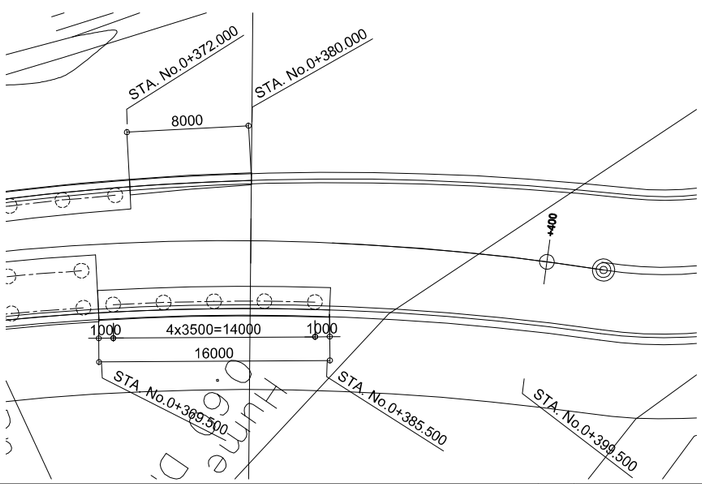
Left Side



Right Side

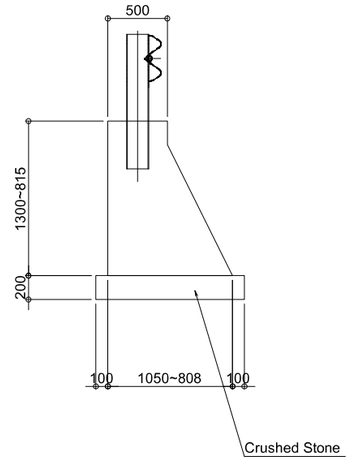


PLAN SCALE 1:400

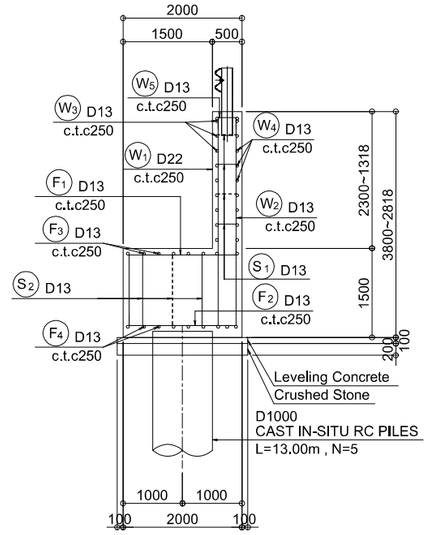


SECTION

Left Side SCALE 1:50



Right Side SCALE 1:100



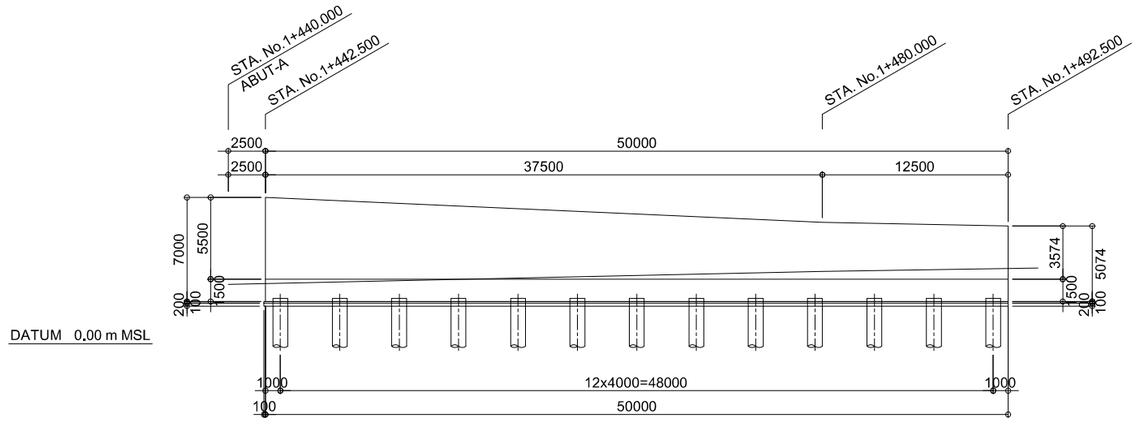
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY: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

GENERAL VIEW OF RETAINING WALL MAIN LINE (1)

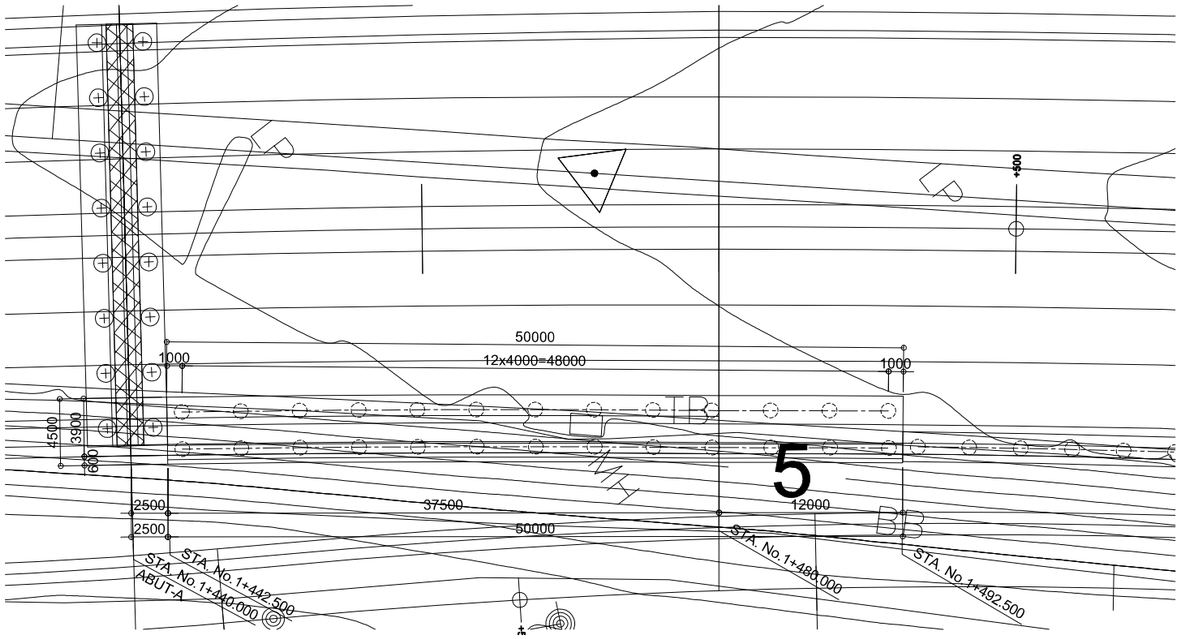
STA.1+440.000 TO STA.1+492.500

L Type Retaining wall

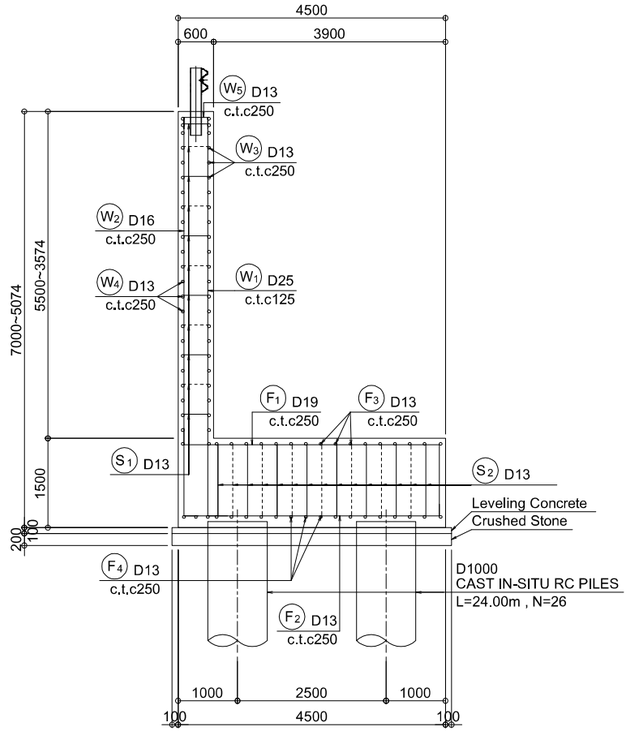
PROFILE SCALE 1:400



PLAN SCALE 1:400



SECTION SCALE 1:100



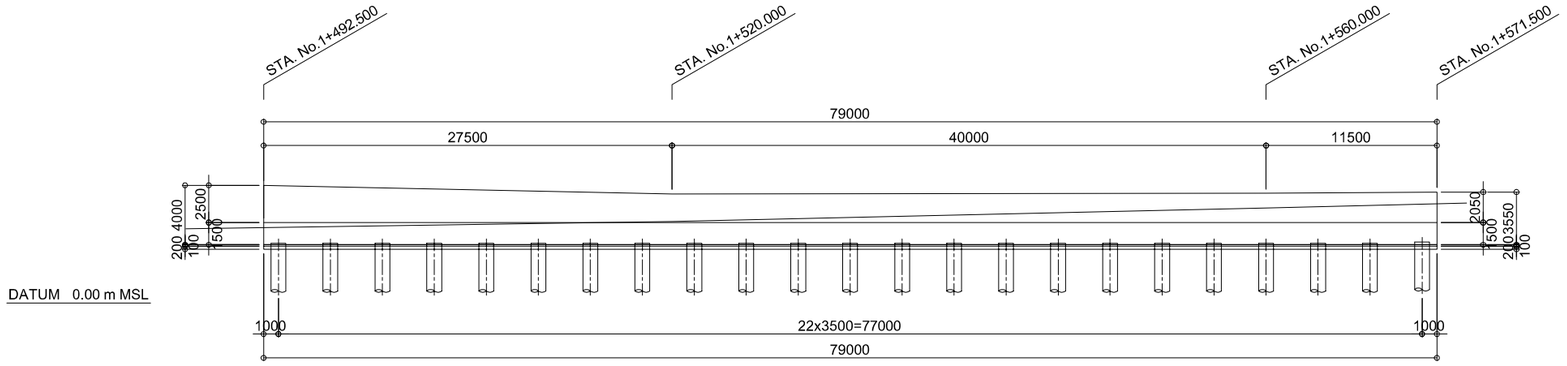
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						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

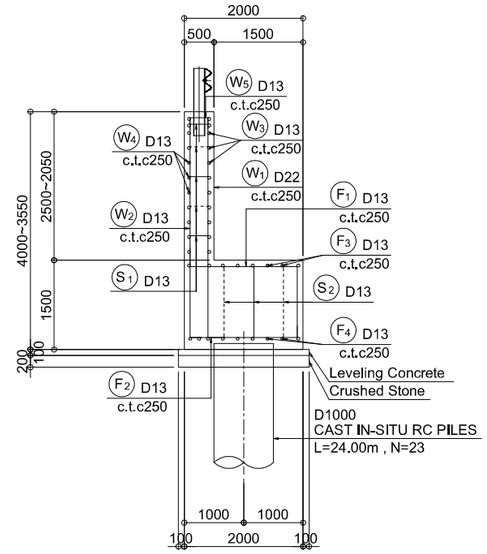
L Type Retaining wall

PROFILE SCALE 1:400

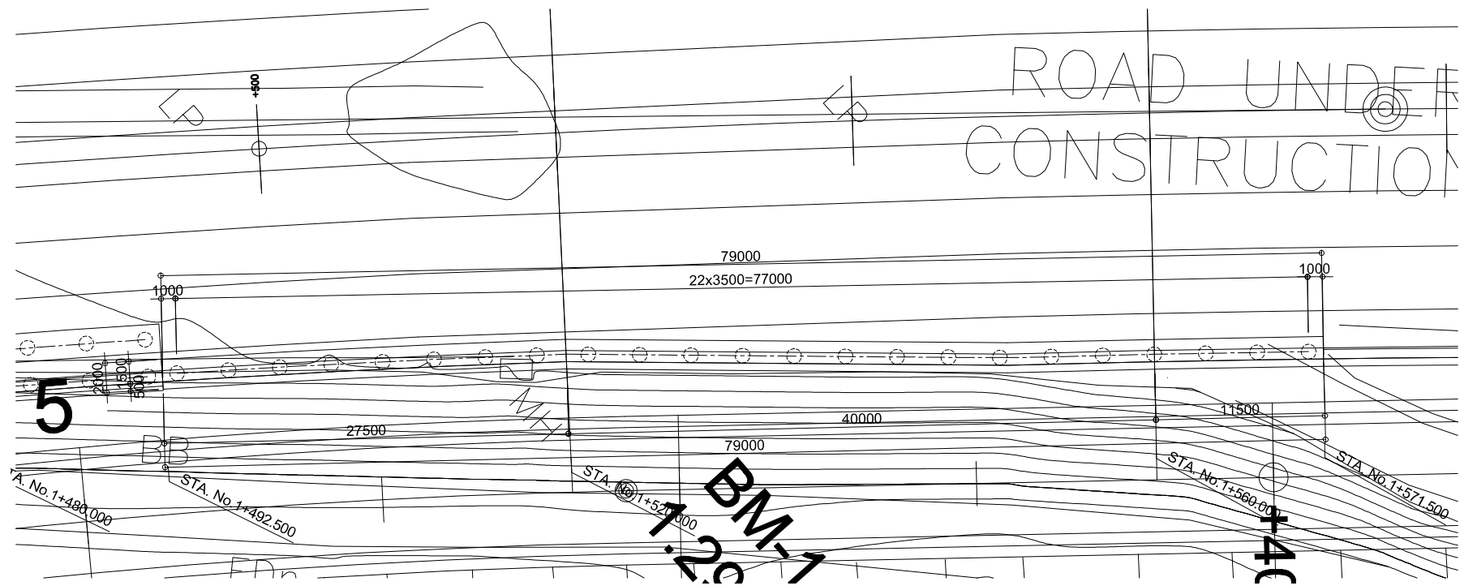


DATUM 0.00 m MSL

SECTION SCALE 1:100



PLAN SCALE 1:400



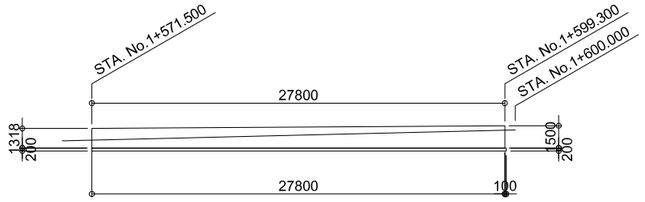
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY: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

GENERAL VIEW OF RETAINING WALL MAIN LINE (3)

STA.+571.500 TO STA.1+599.300

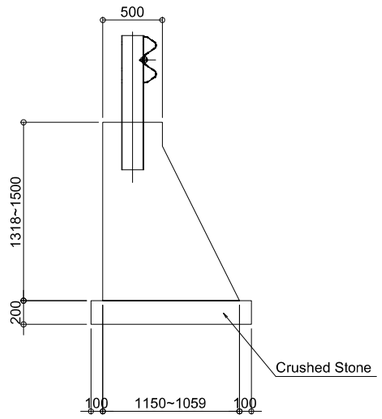
Gravity Retaining wall

PROFILE SCALE 1:400

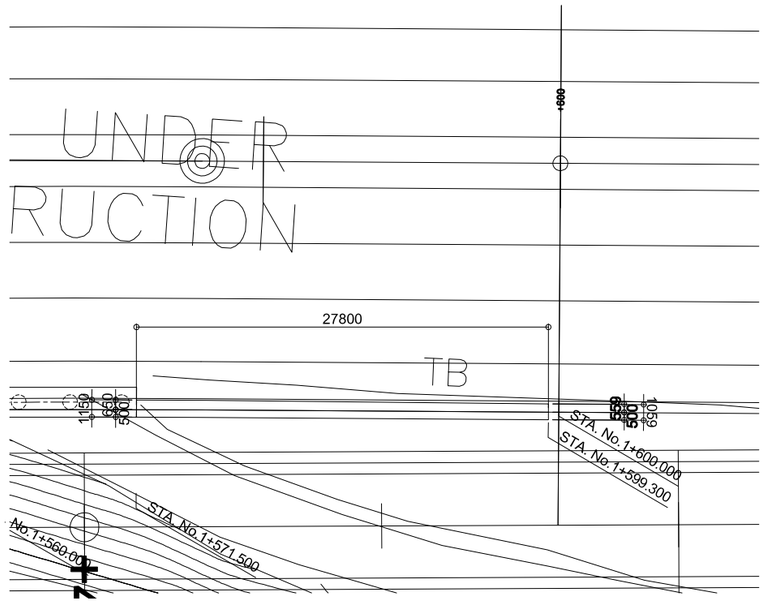


DATUM 0.00 m MSL

SECTION SCALE 1:50



PLAN SCALE 1:400



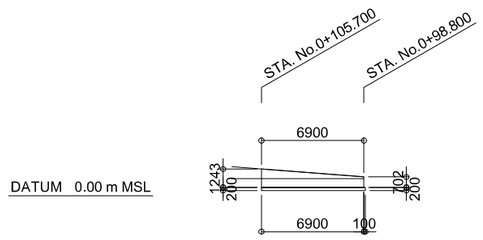
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
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

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

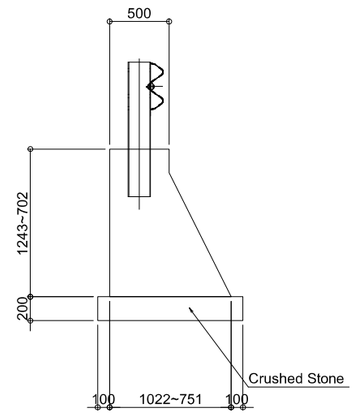
STA.0+107.700 TO STA.0+98.800

Gravity Retaining wall

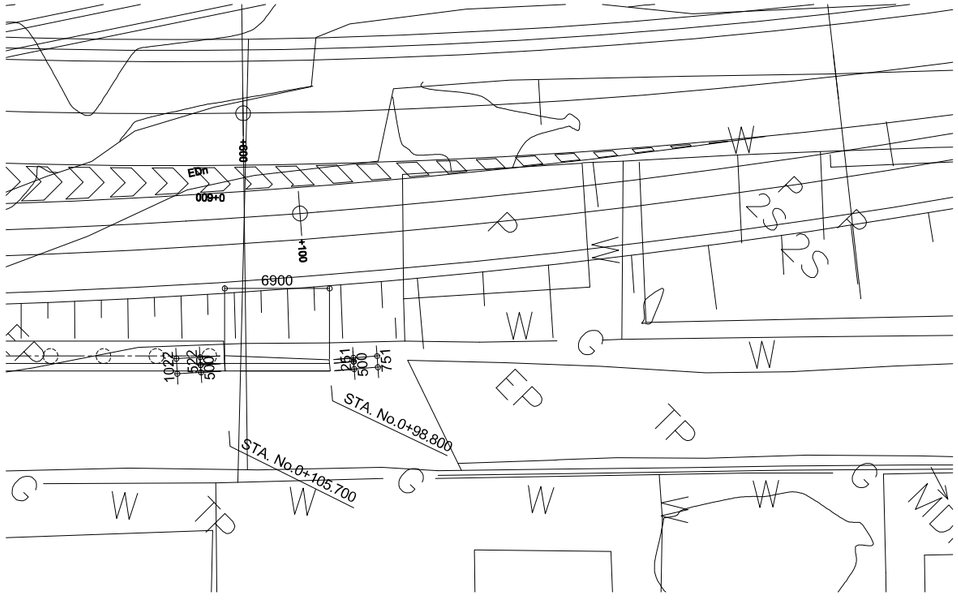
PROFILE SCALE 1:400



SECTION SCALE 1:50



PLAN SCALE 1:400



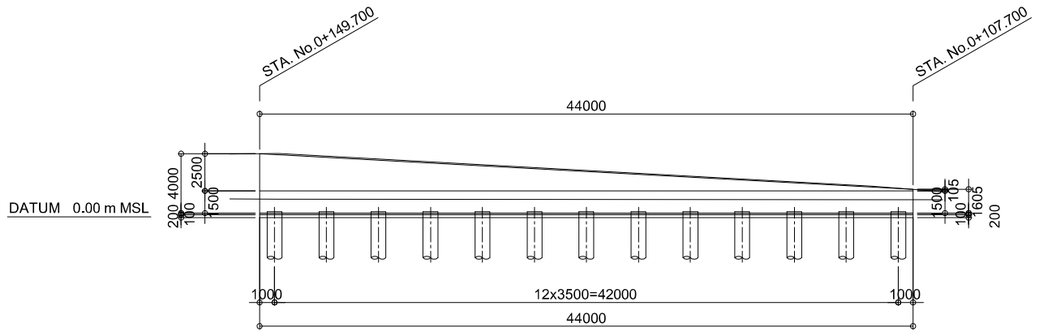
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

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

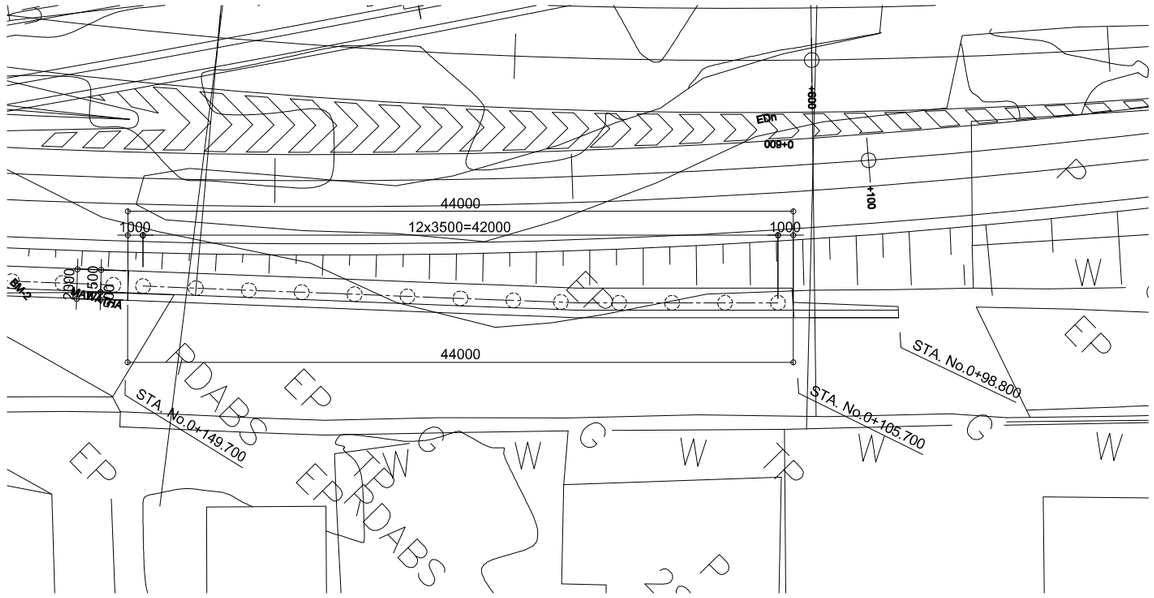
STA.0+149.700 TO STA.0+107.700

L Type Retaining wall

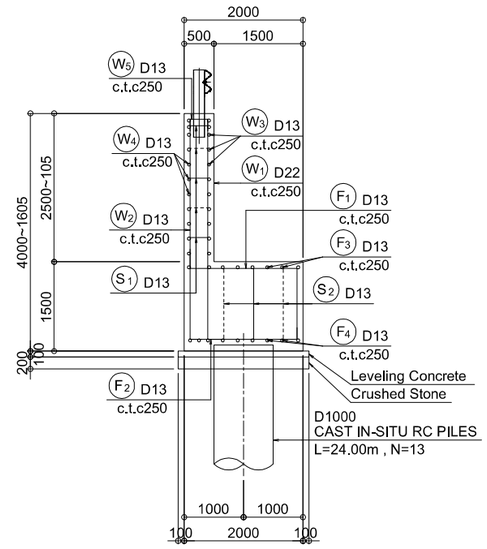
PROFILE SCALE 1:400



PLAN SCALE 1:400



SECTION SCALE 1:100



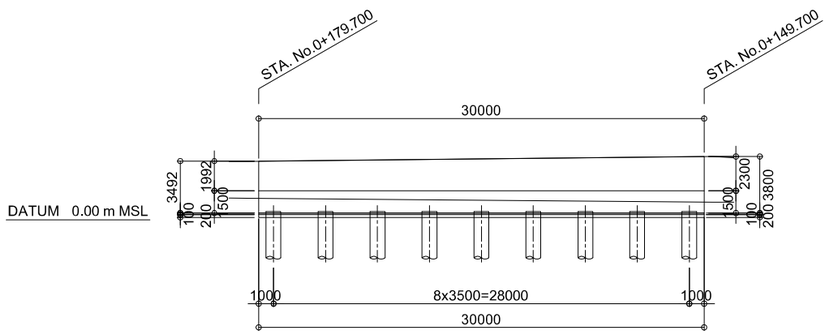
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						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)

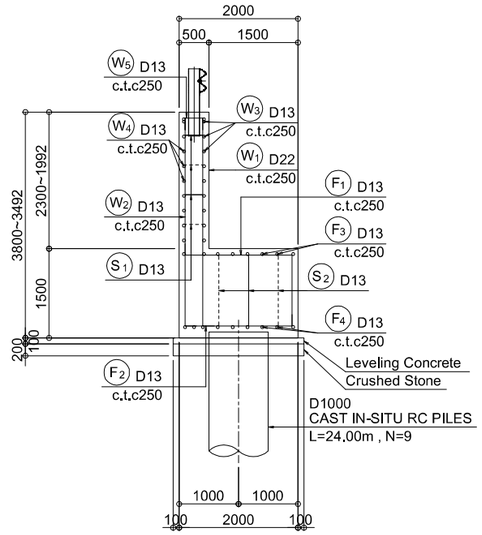
STA.0+179.700 TO STA.0+149.700

L Type Retaining wall

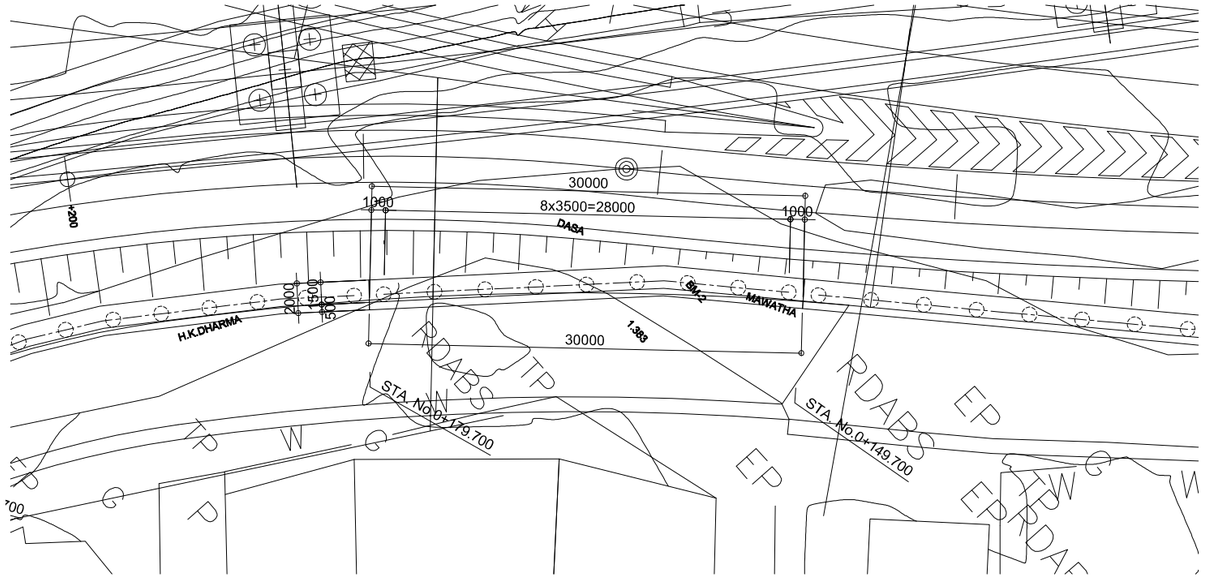
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



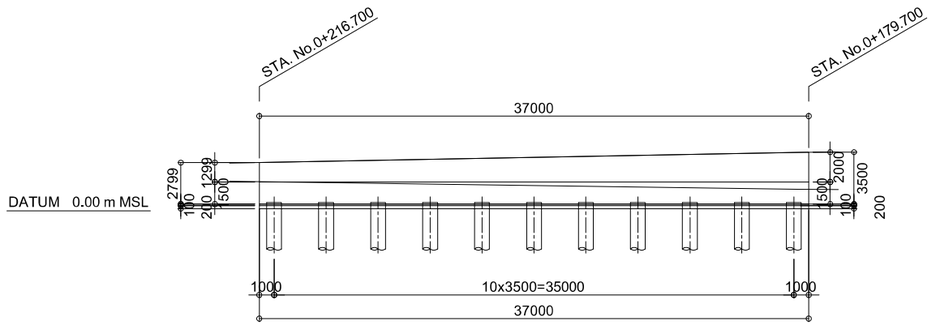
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE GENERAL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

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

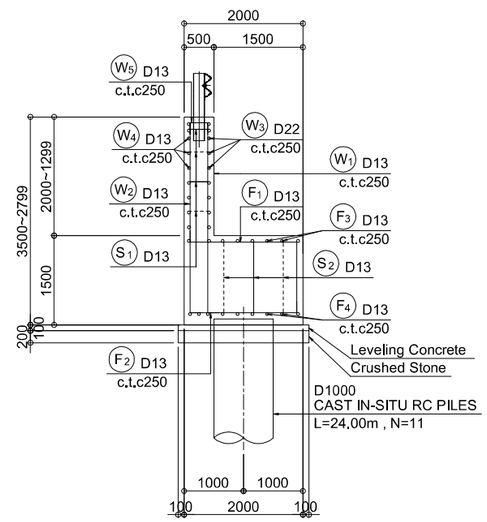
STA.0+217.700 TO STA.0+179.700

L Type Retaining wall

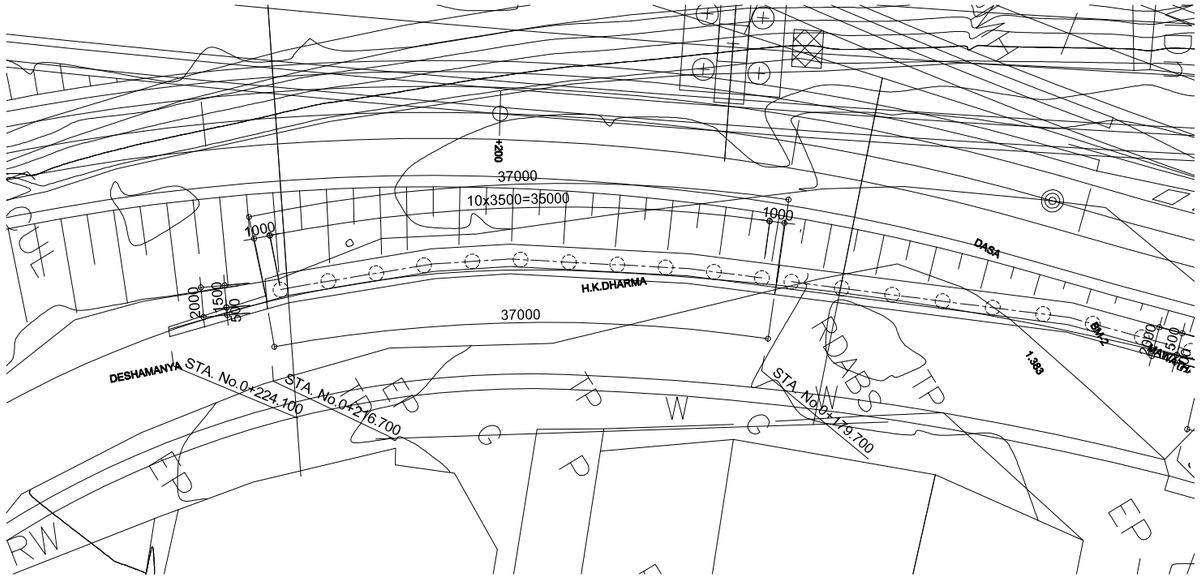
PROFILE SCALE 1:400



SECTION SCALE 1:100



PLAN SCALE 1:400



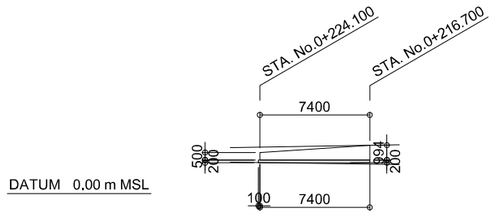
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						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)

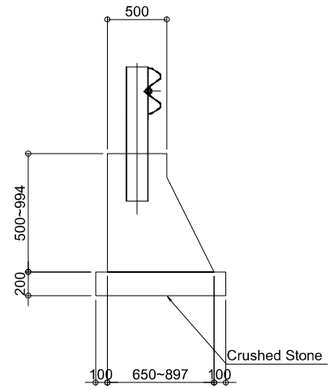
STA.0+224.100 TO STA.0+217.700

Gravity Retaining wall

PROFILE SCALE 1:400

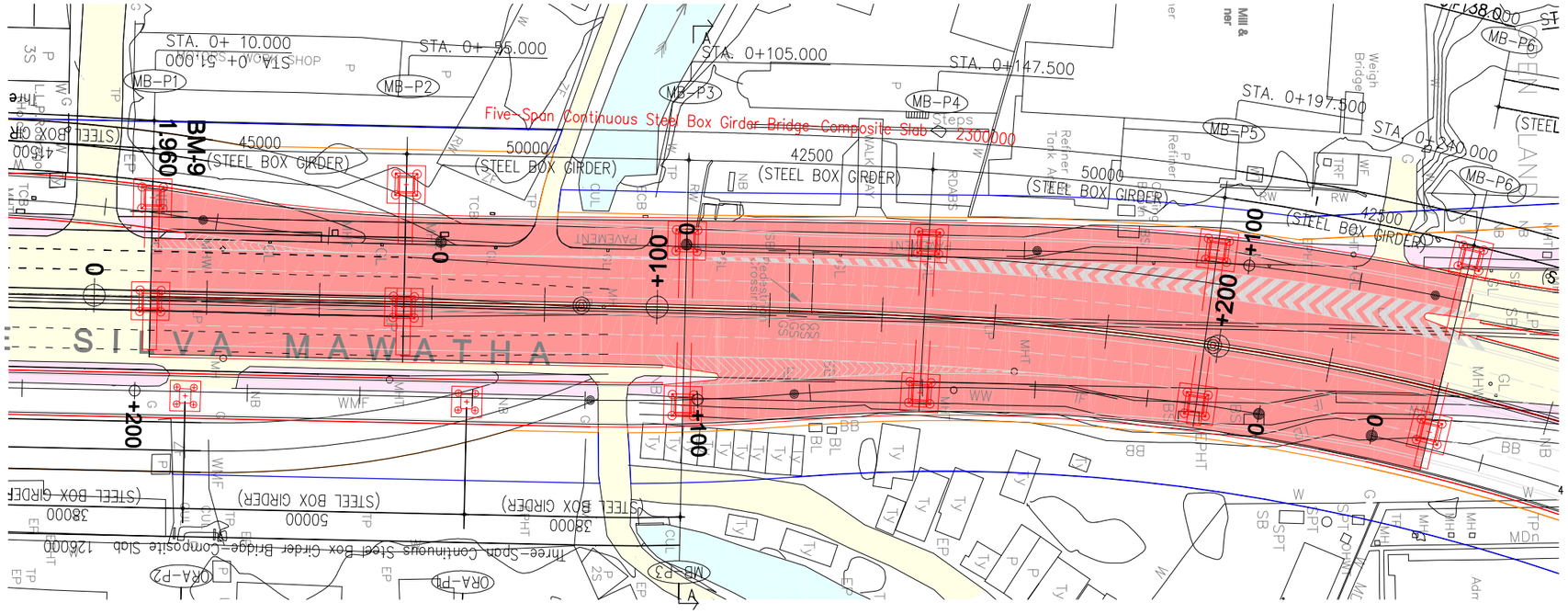


SECTION SCALE 1:50

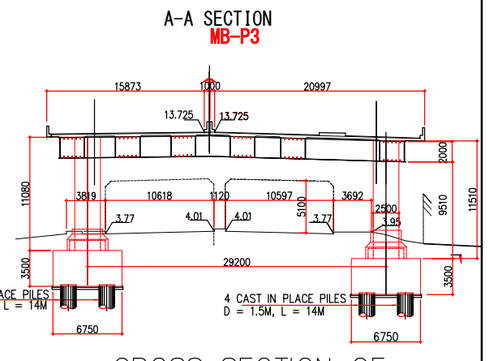


PLAN SCALE 1:400

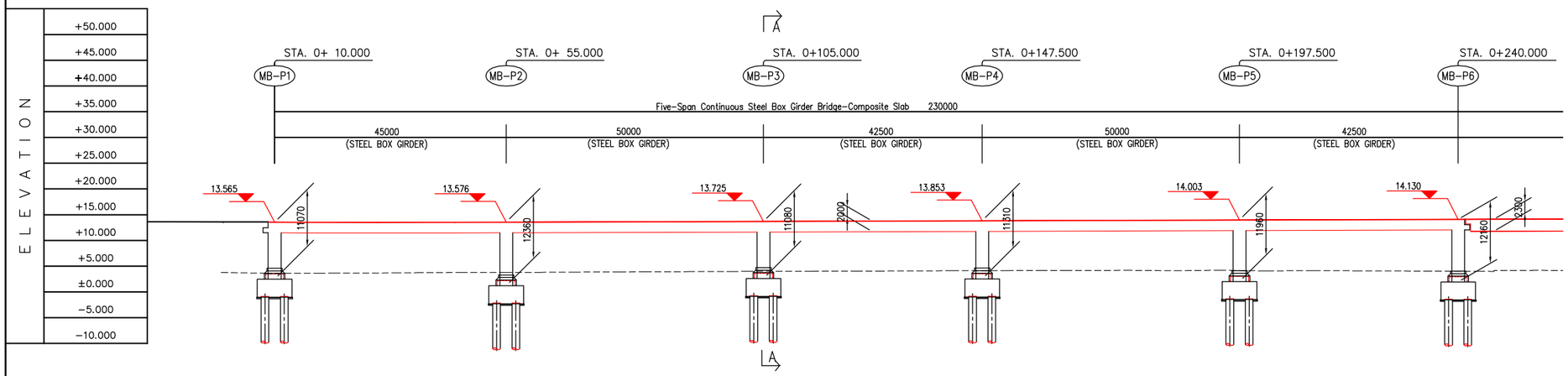
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						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

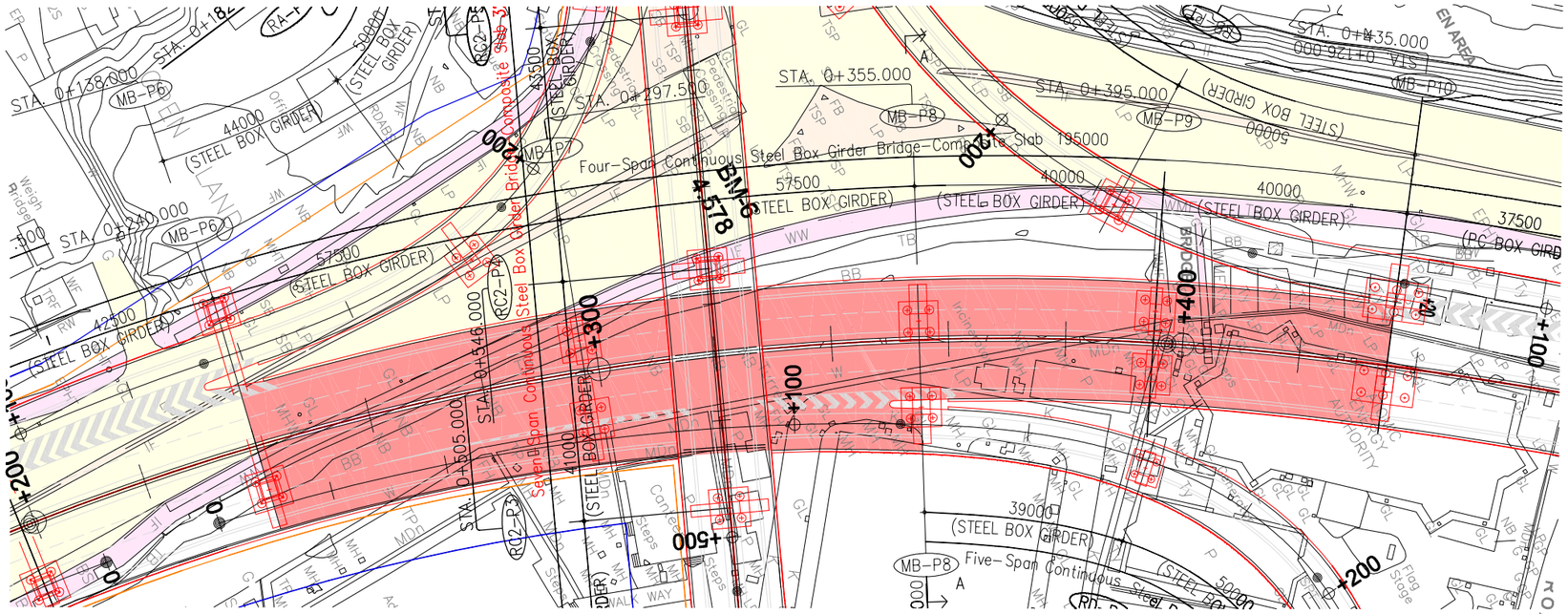
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

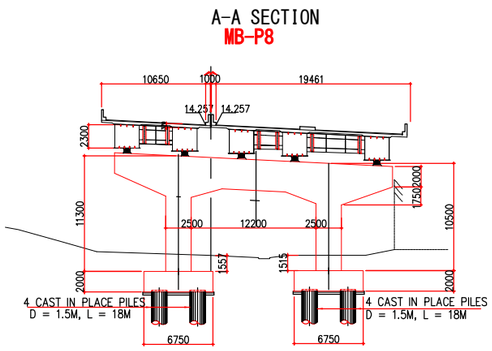
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

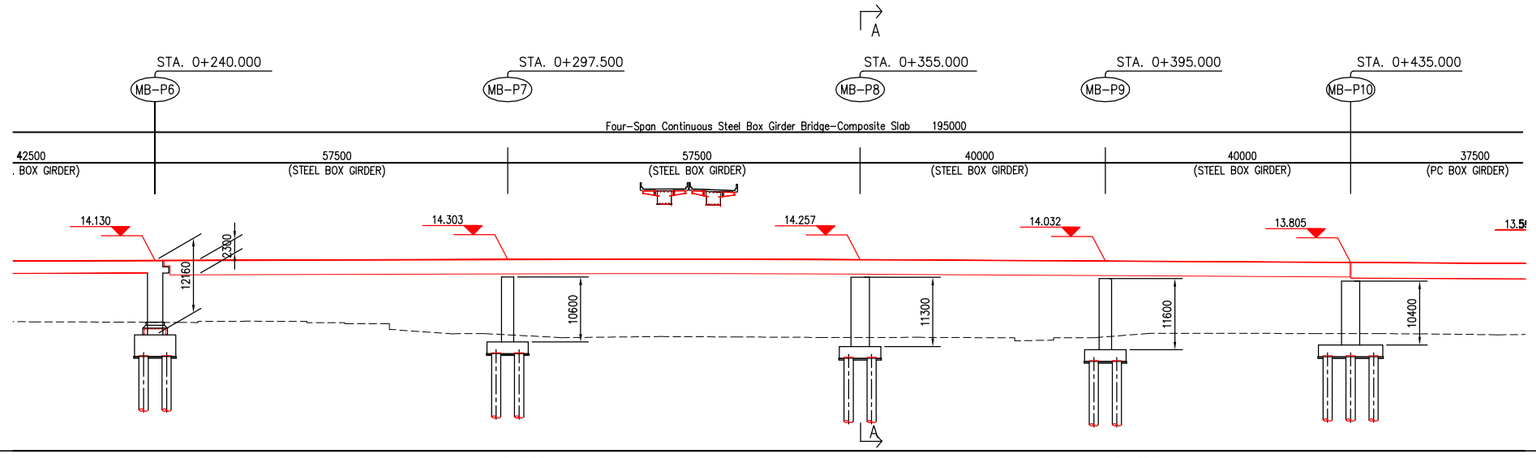
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-01



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

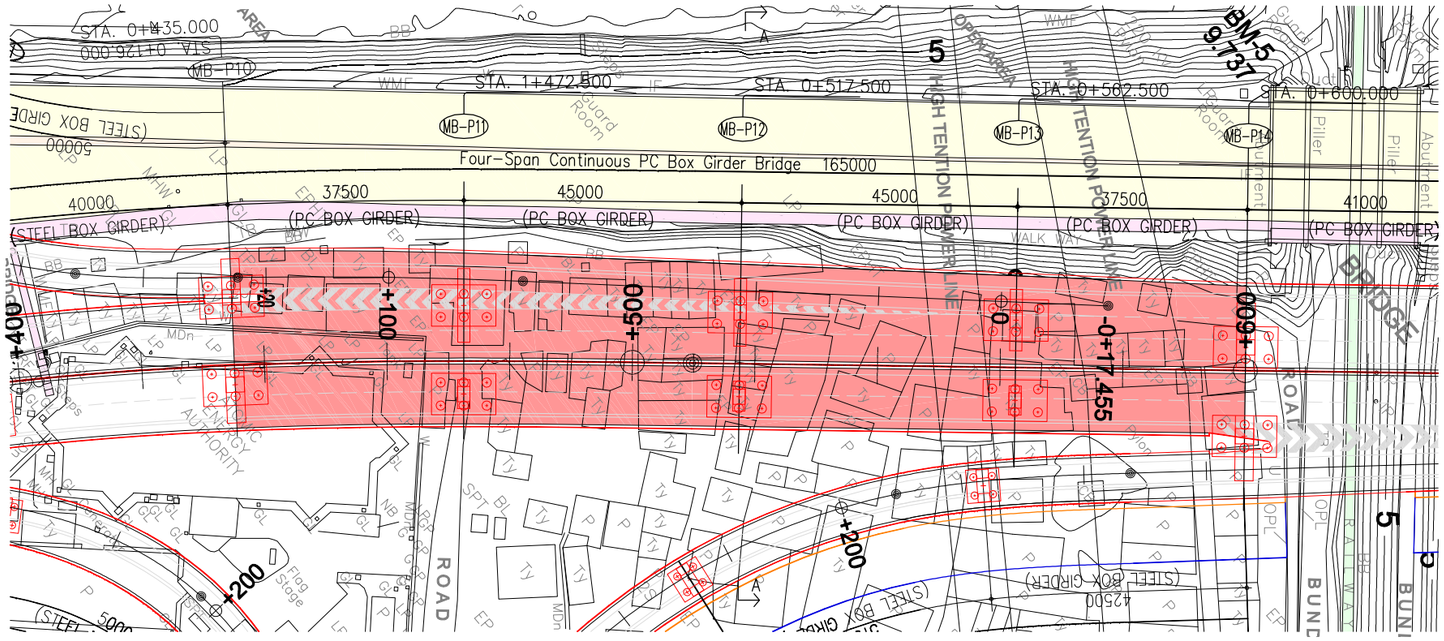
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

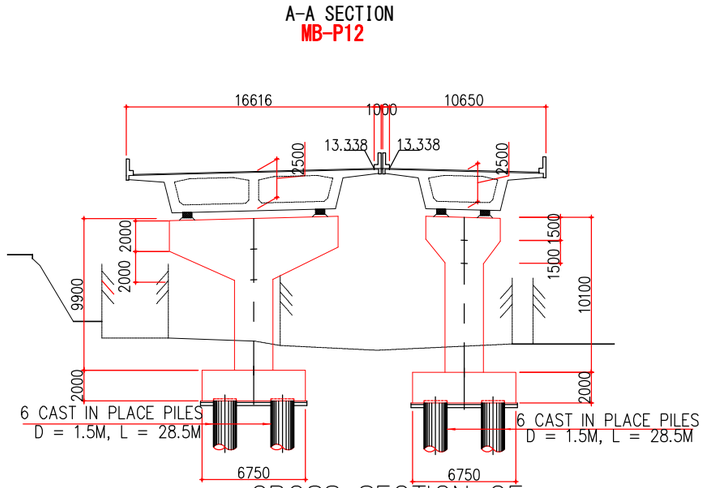
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

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

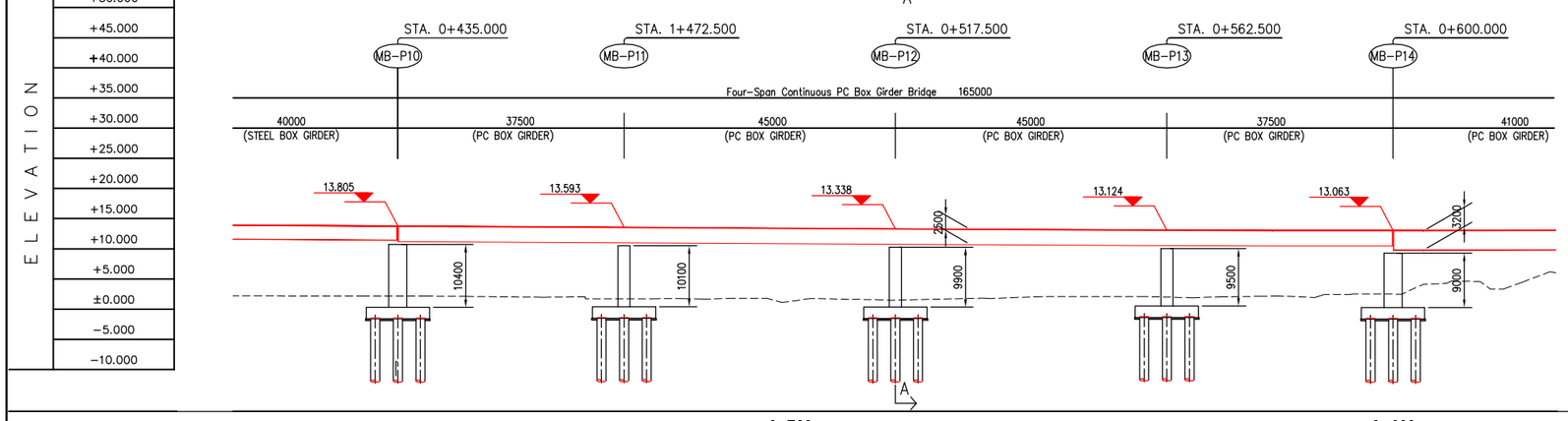
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-02



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

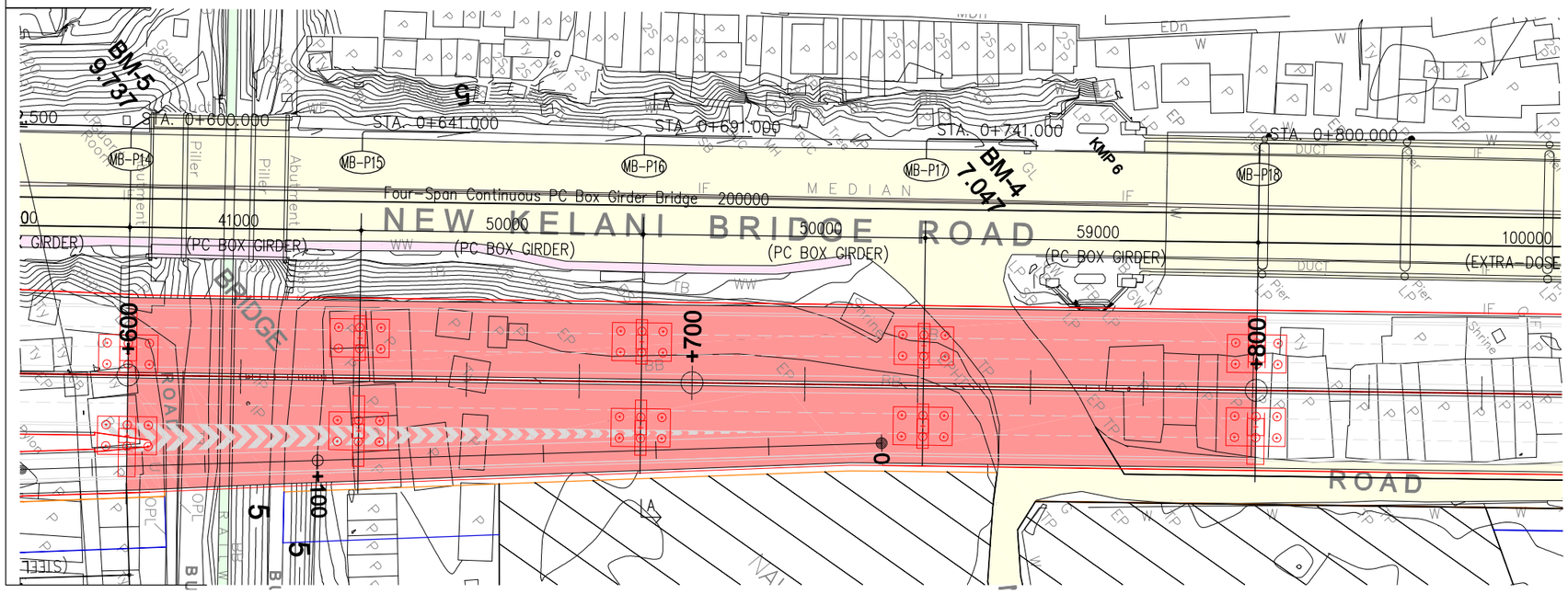
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

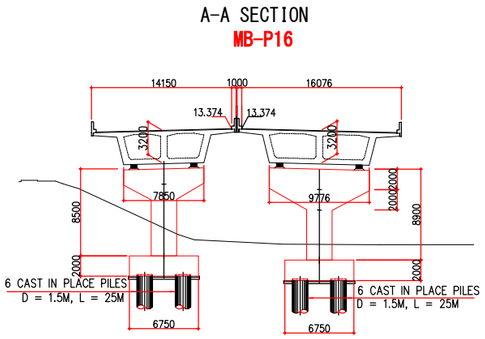
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

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

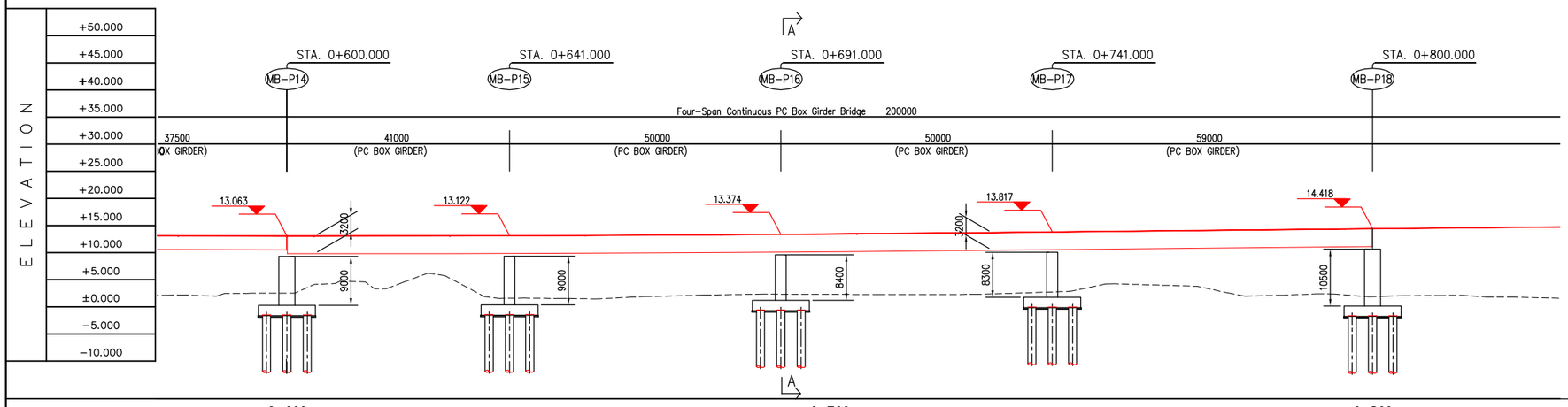
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-03



A GENERAL PLAN
SCALE 1:500



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

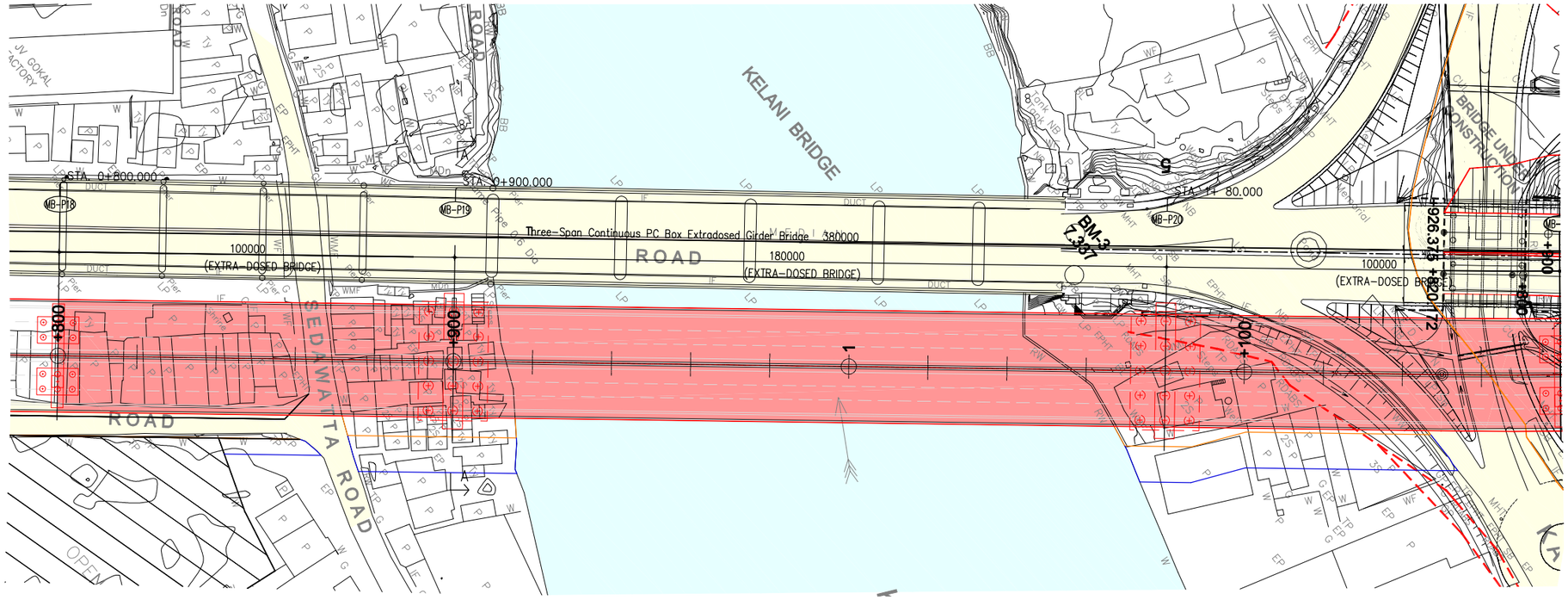
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

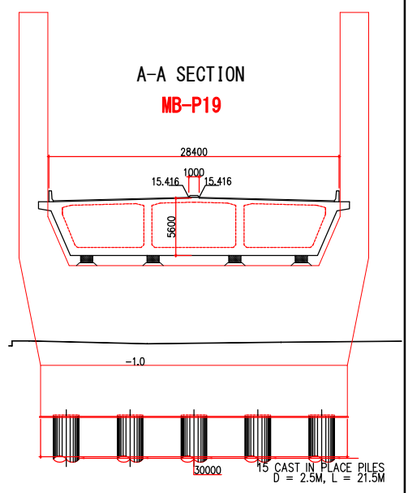
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

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

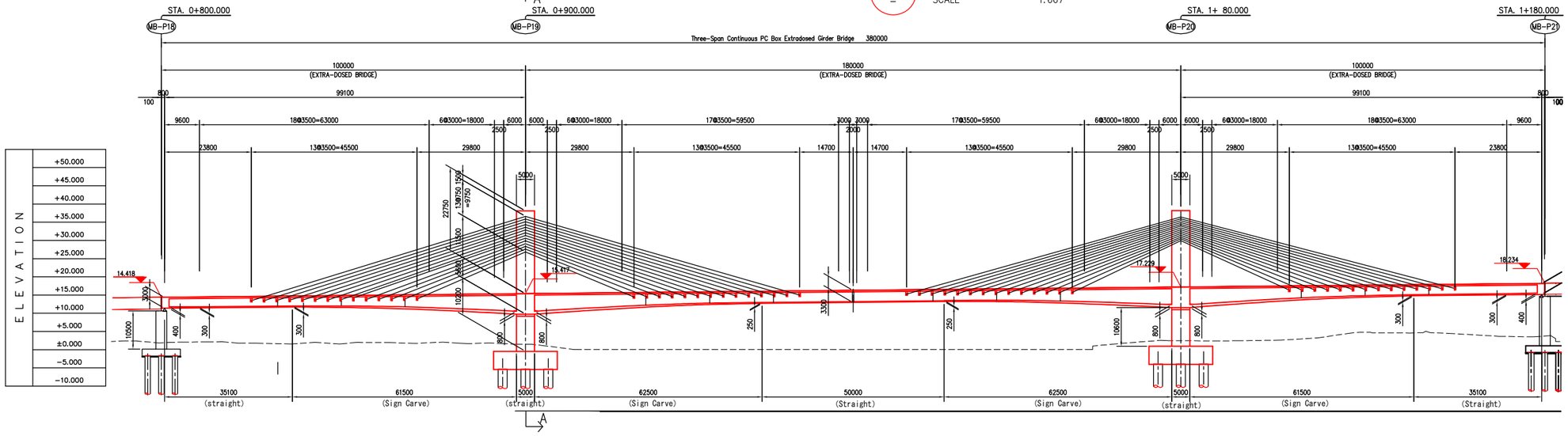
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-04



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

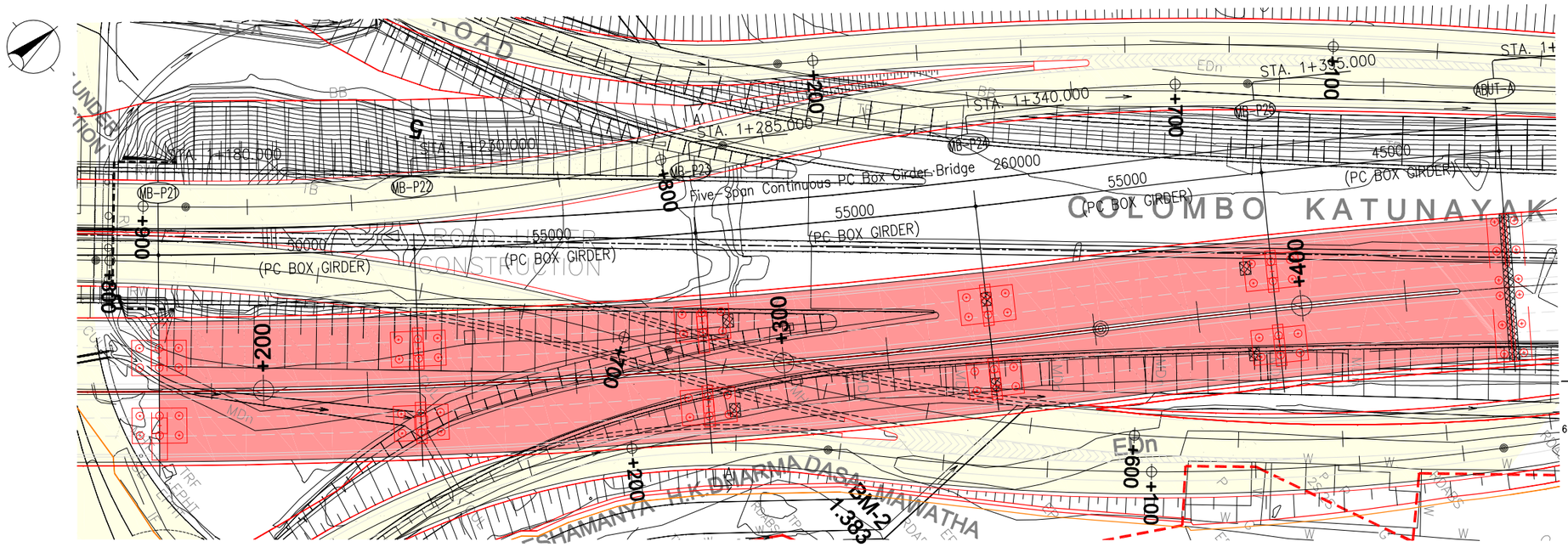
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

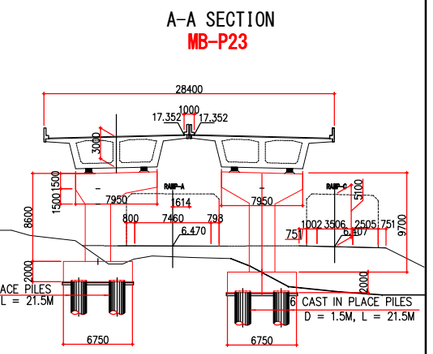
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

BRIDGE GENERAL DRAWING
MAIN LINE EXTRA-DOSED BRIDGE
STA.0+800.000 TO STA.1+180.000

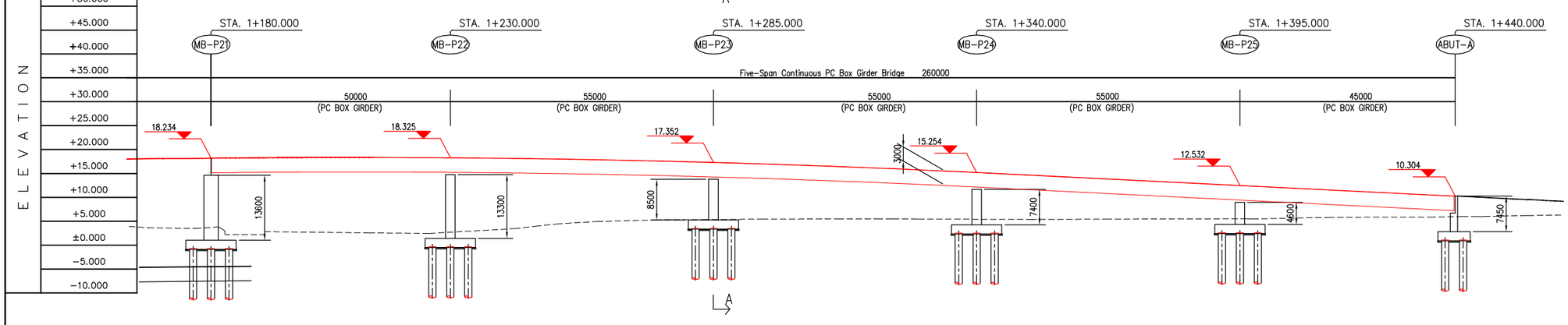
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-05



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

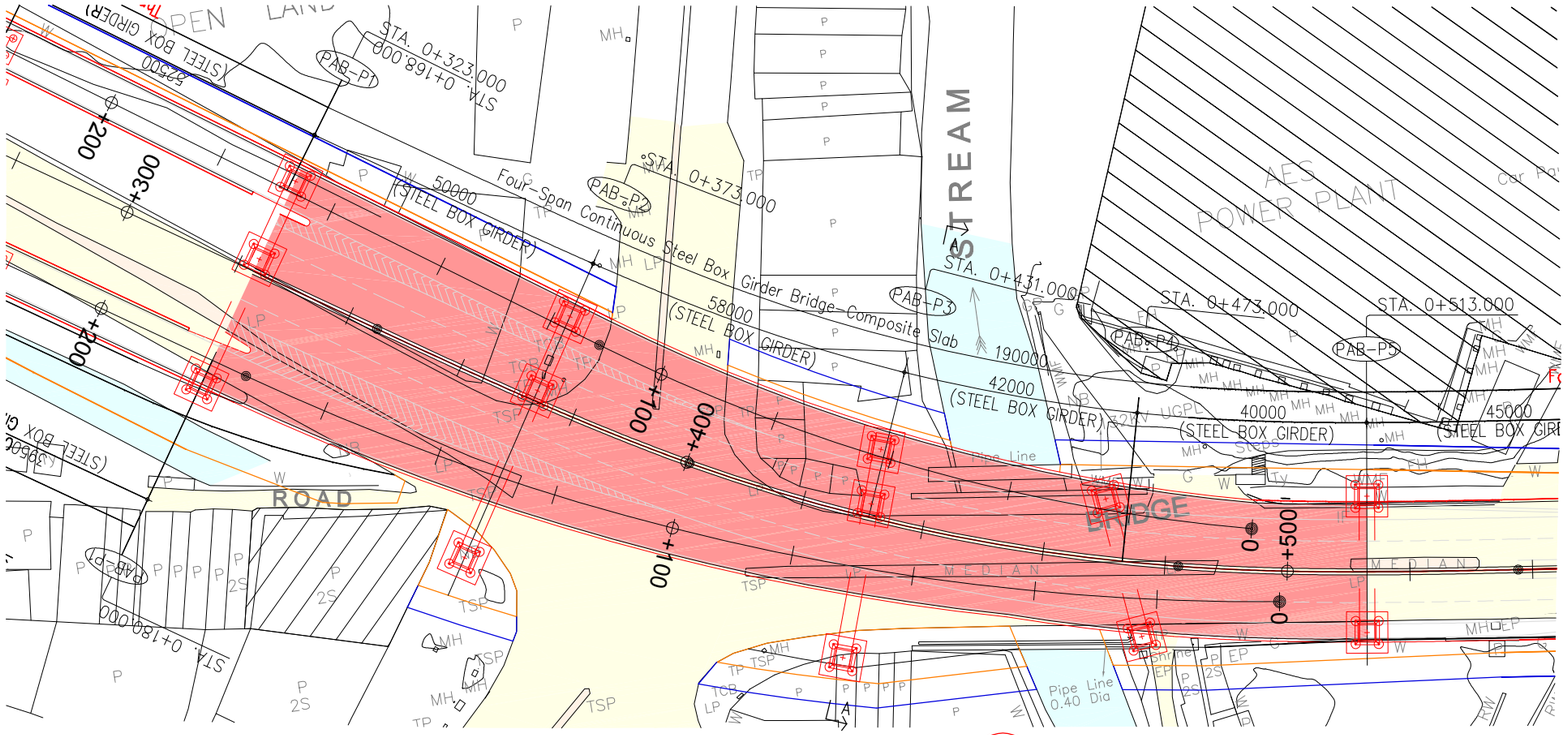
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

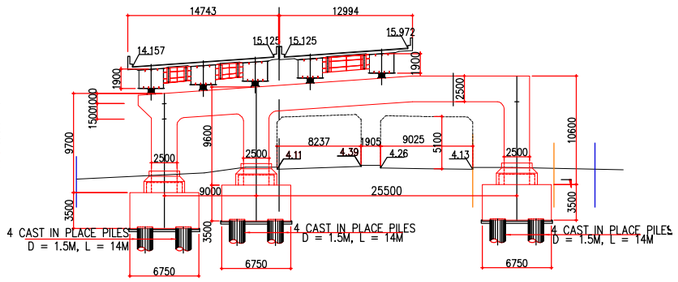
BRIDGE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
STA.1+180.000 TO STA.1+440.000

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

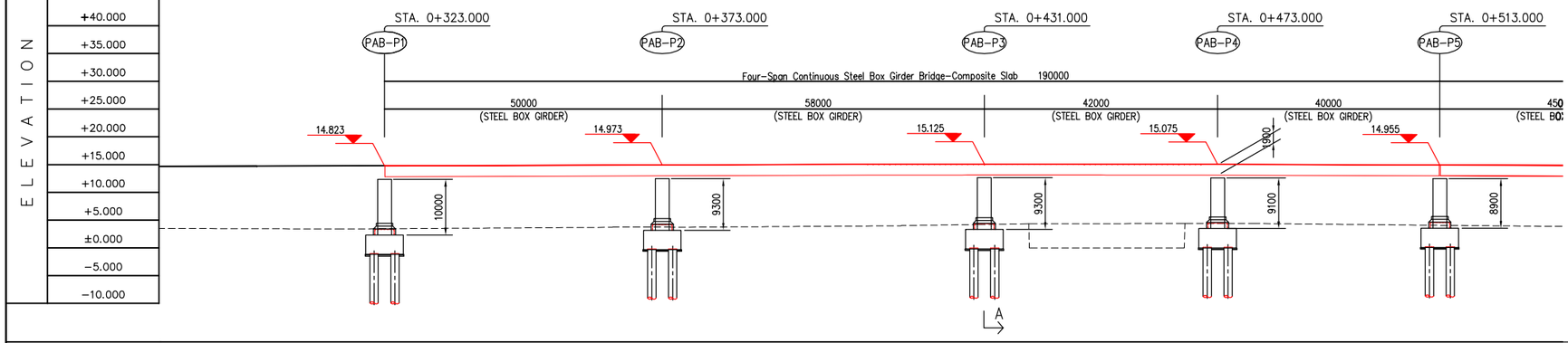


A GENERAL PLAN
SCALE 1:500

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

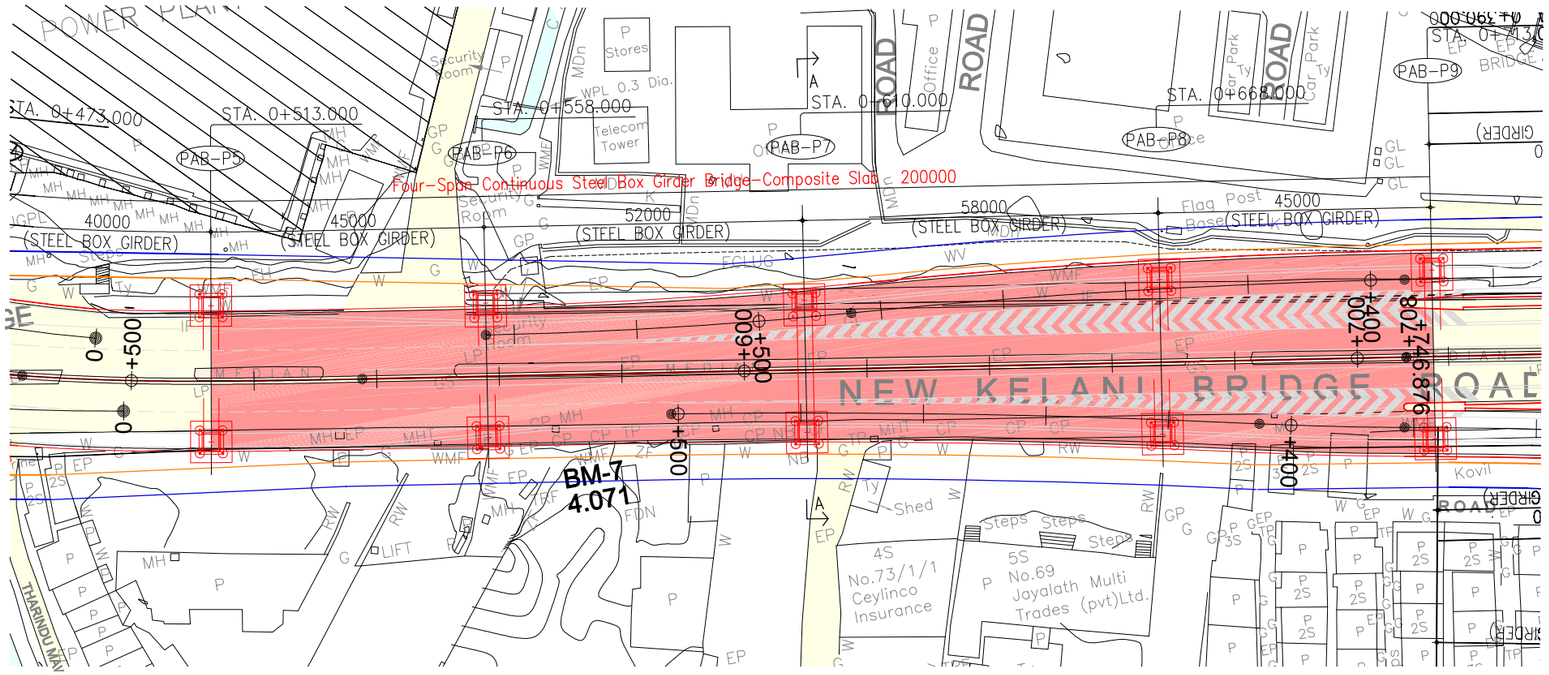
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

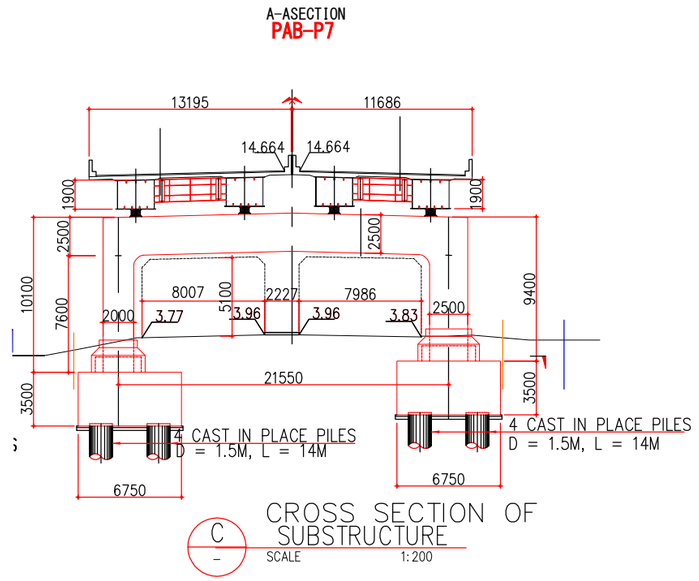
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

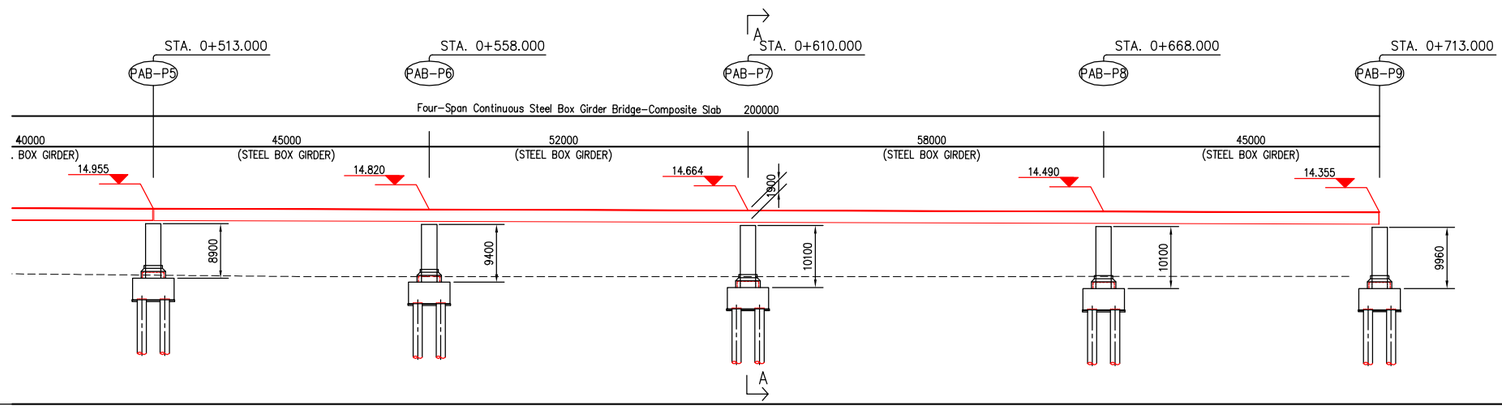
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-07



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

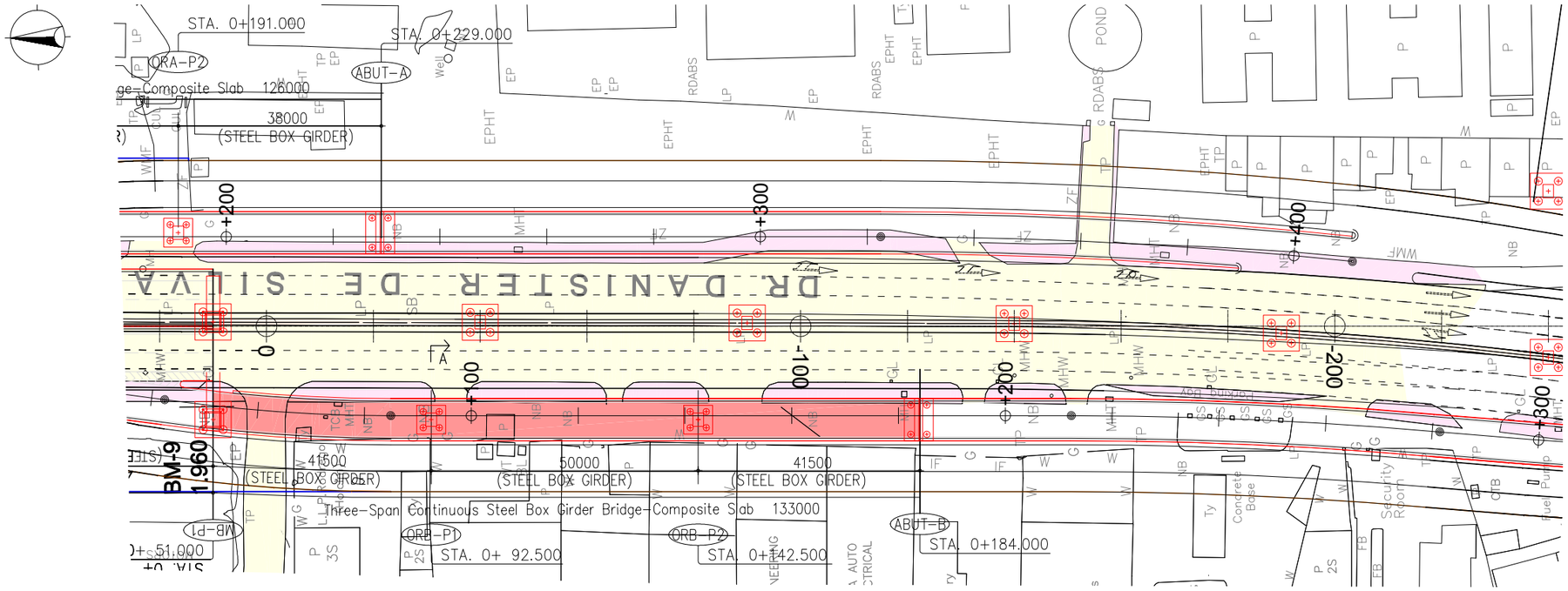
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

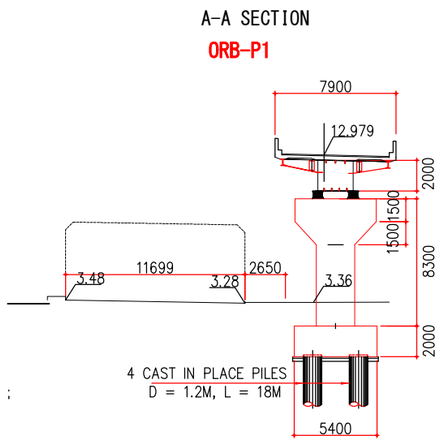
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

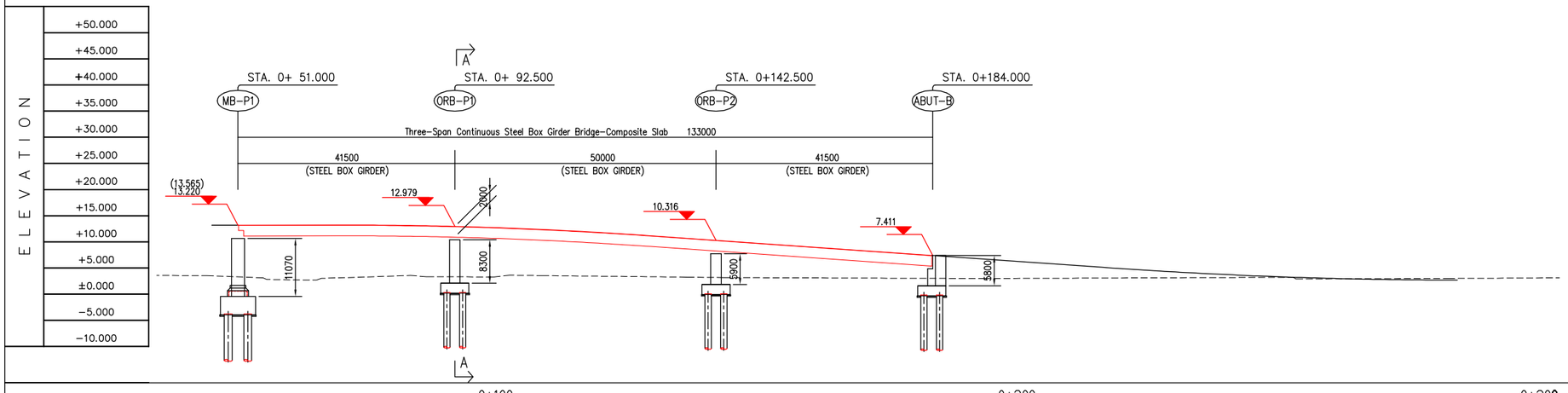
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-08



A GENERAL PLAN
SCALE 1:500



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

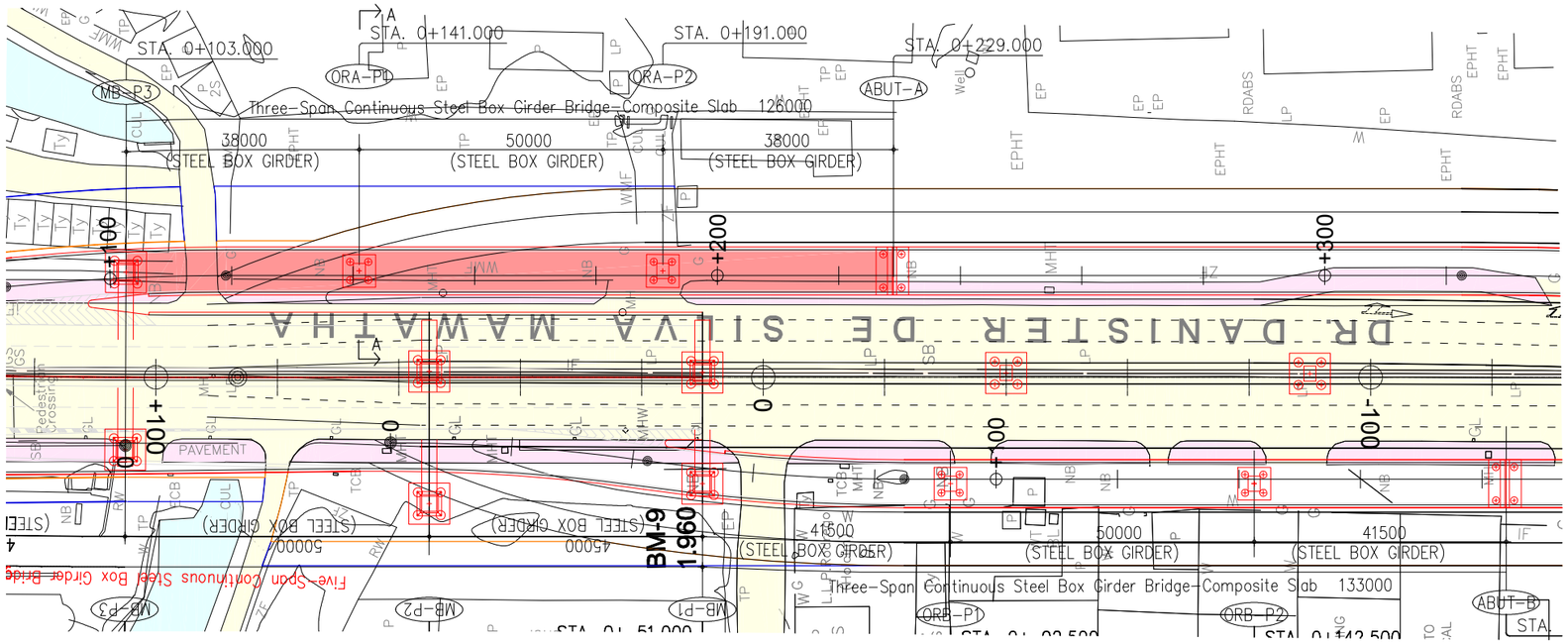
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

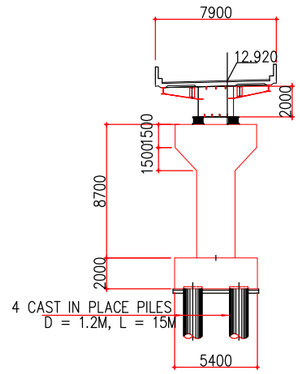
BRIDGE GENERAL DRAWING
ORUGODAWATTA ON RAMP STEEL BOX GIRDER
STA.0+51.000 TO STA.0+184.000

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

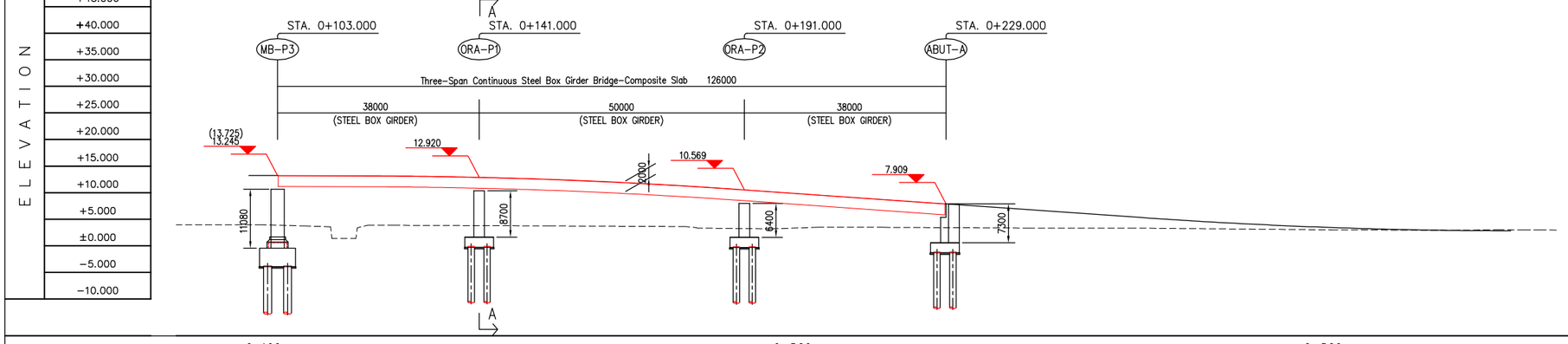


A GENERAL PLAN
SCALE 1:500

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

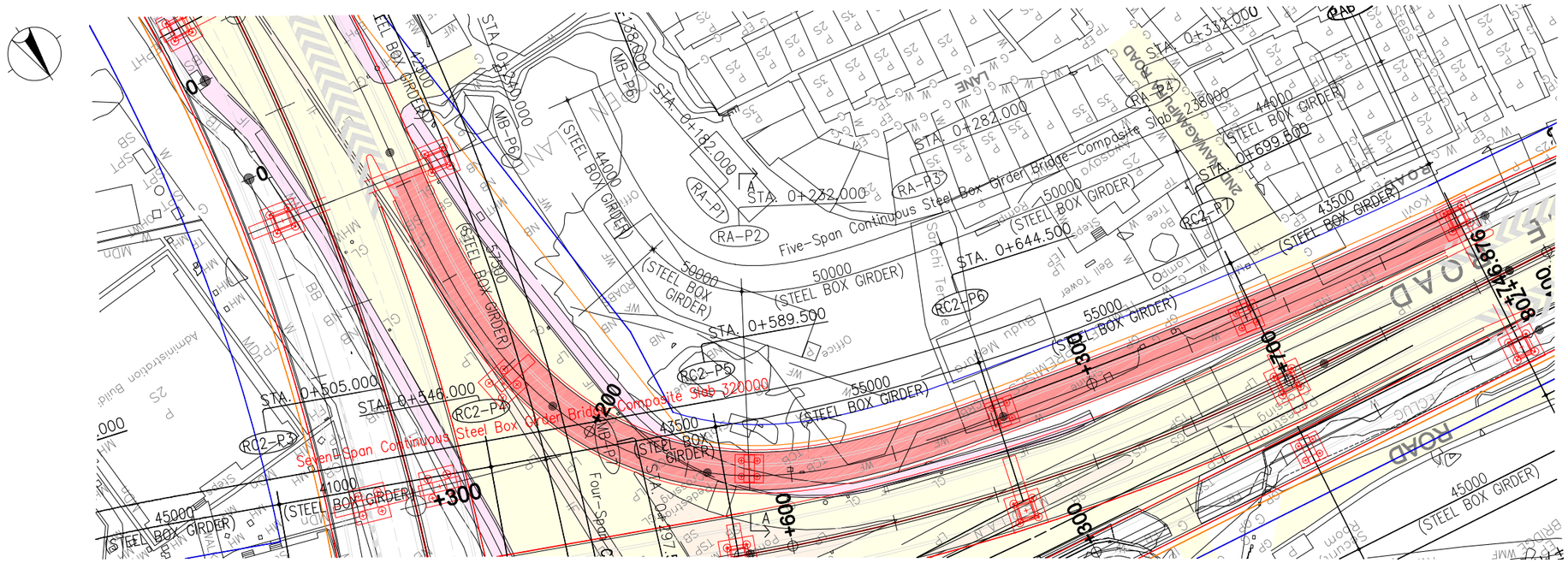
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

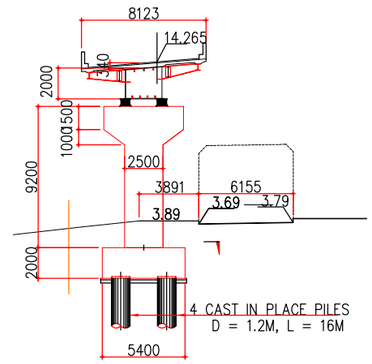
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

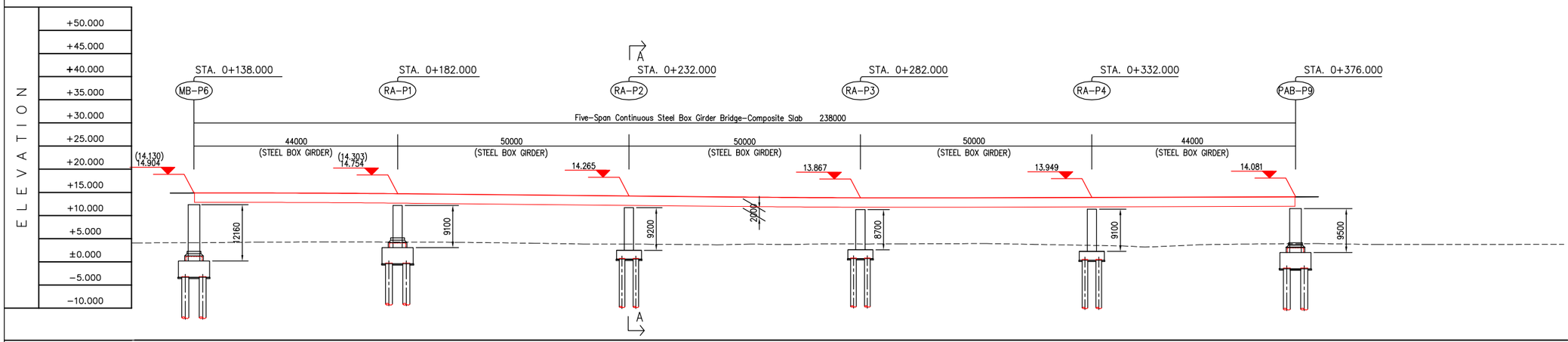
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-10



A GENERAL PLAN
SCALE 1:500



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

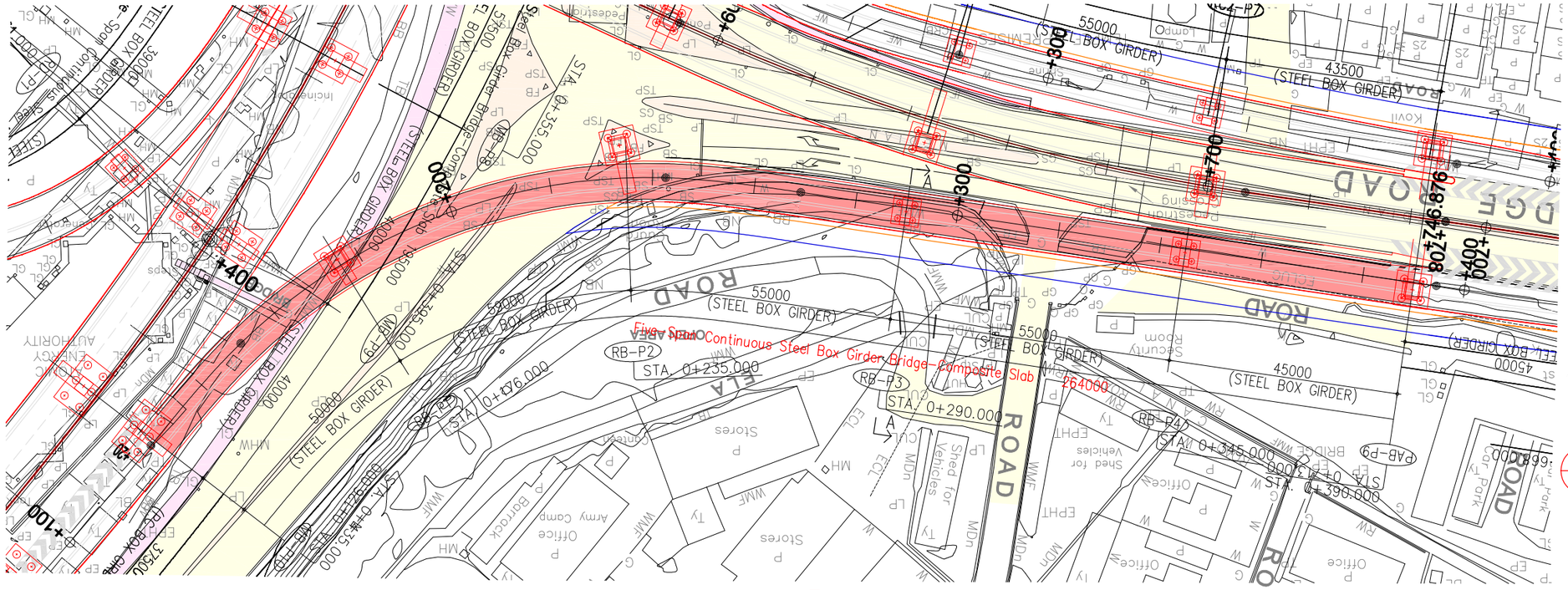
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

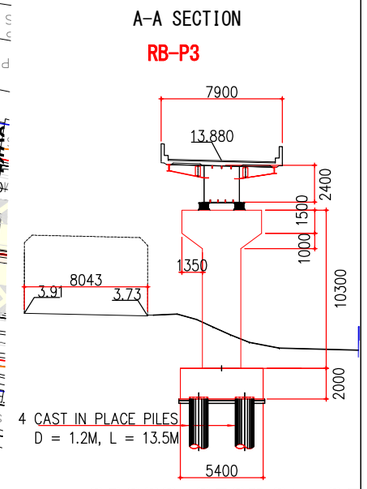
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

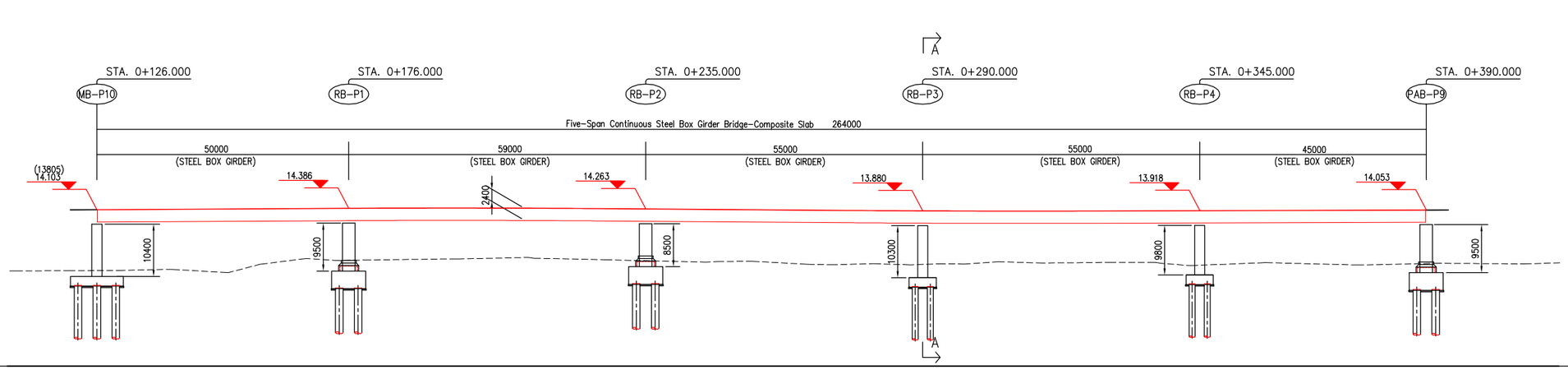
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-11



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

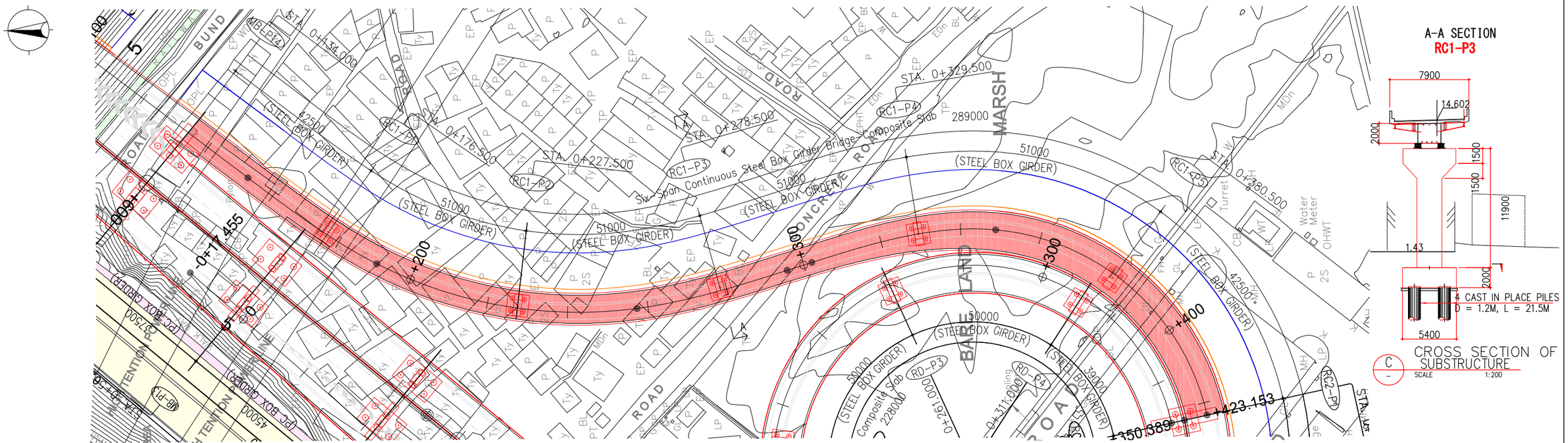
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

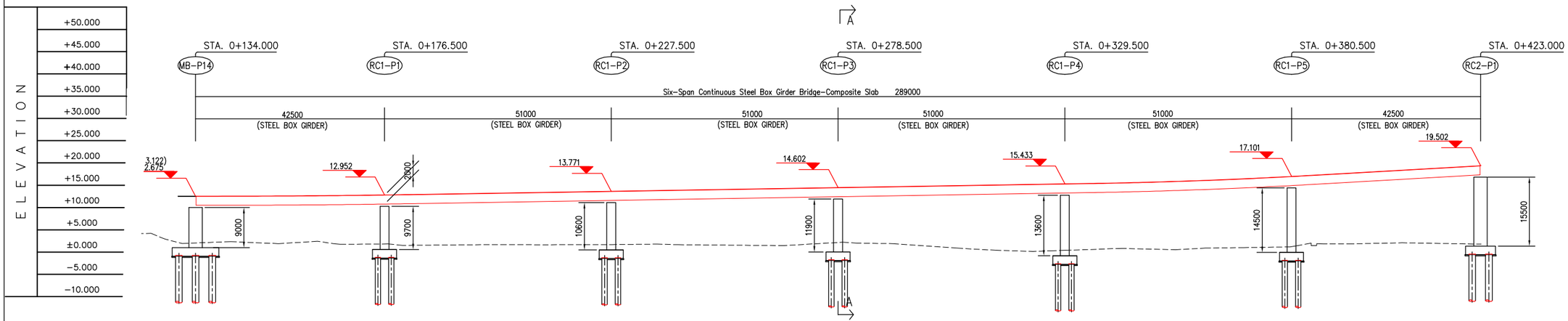
No	REVISION	DATE

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





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		

GENERAL ELEVATION
SCALE 1:500

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

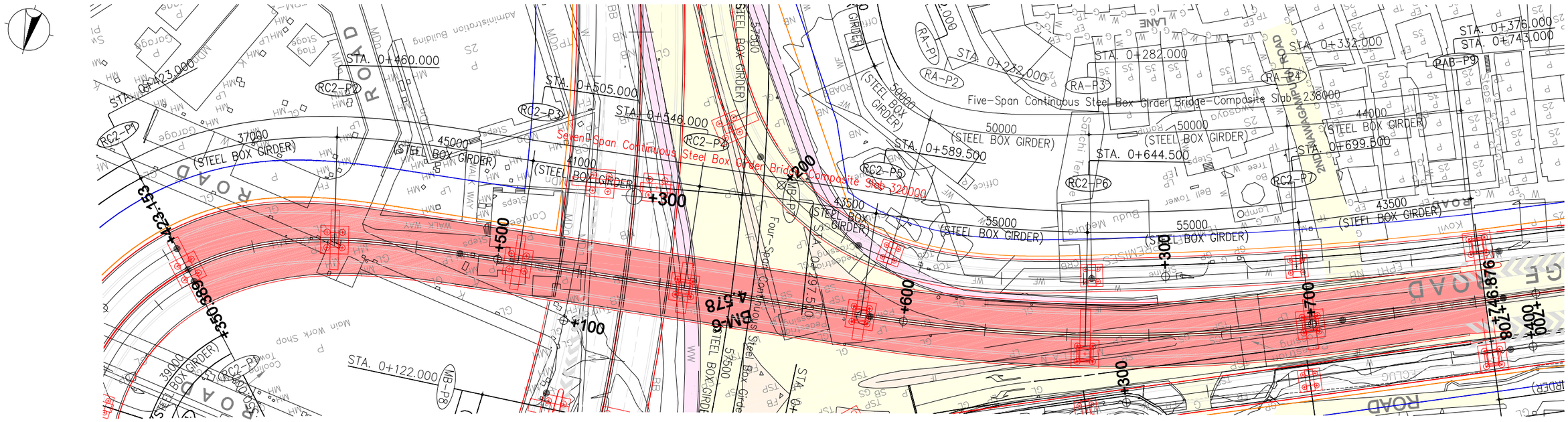
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

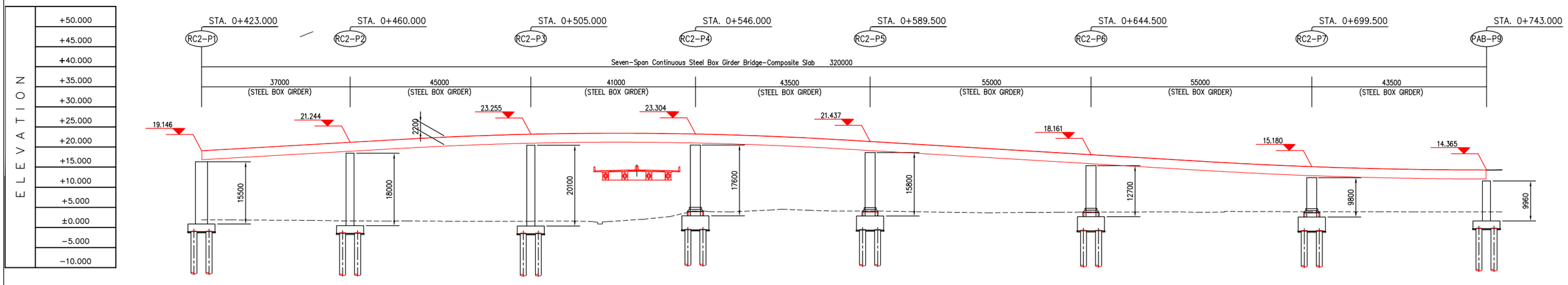
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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



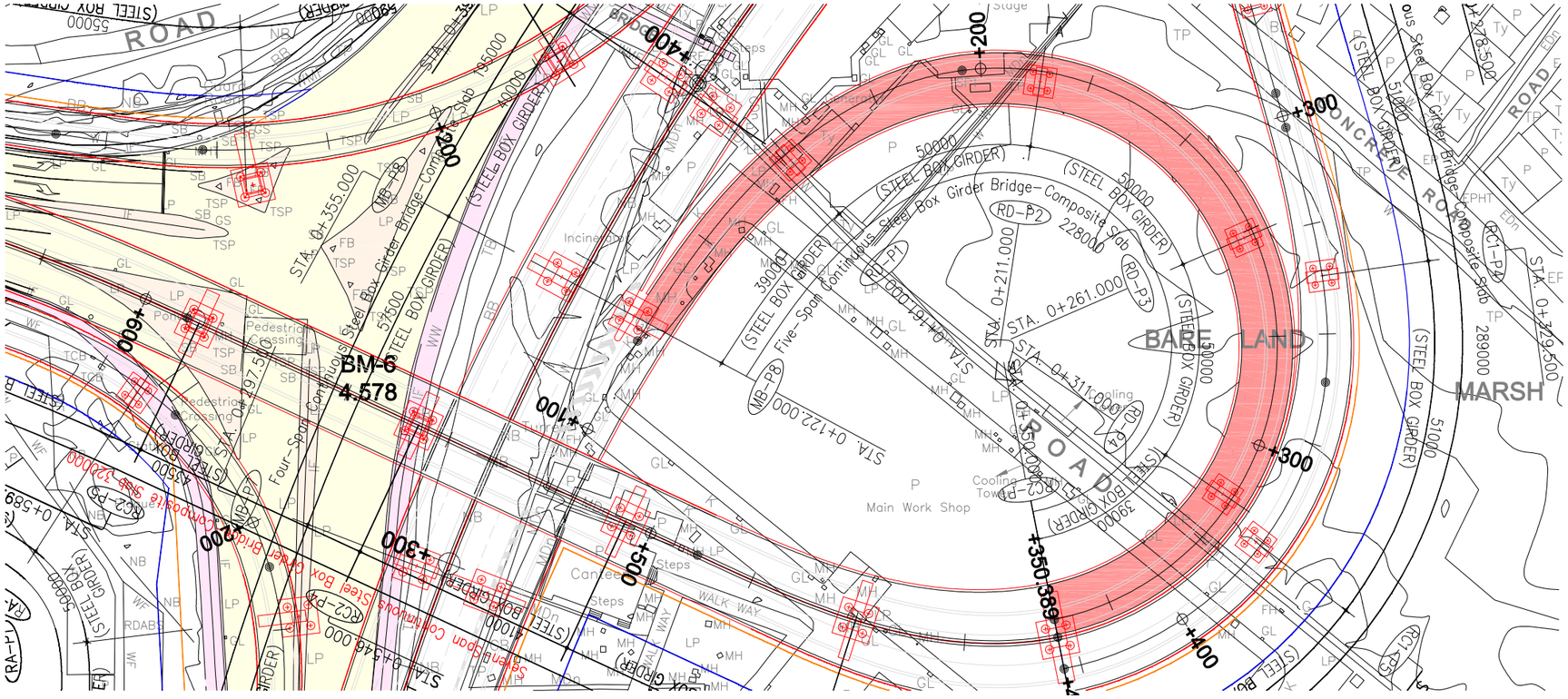
A GENERAL PLAN
SCALE 1:500

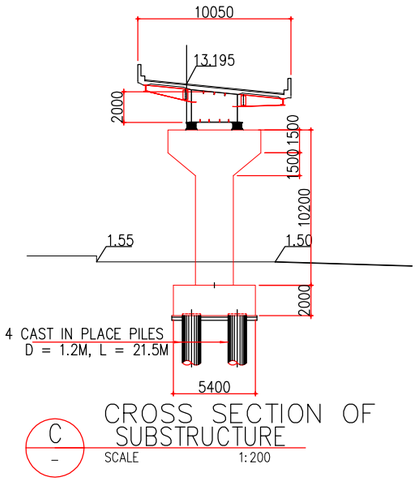


STATION	0+423.153				0+500					0+600					0+700				0+746.876
FINISHED GRADE ELEVATION	19.155	20.110	21.244	22.352	23.127	23.479	23.408	22.914	21.998	20.811	19.620	18.429	17.238	16.066	15.161	14.596	14.369	14.370	
EXISTING GROUND ELEVATION	1.90	1.84	1.66	1.61	1.57	1.51	2.81	4.14	4.12	3.95	3.69	3.82	3.88	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									

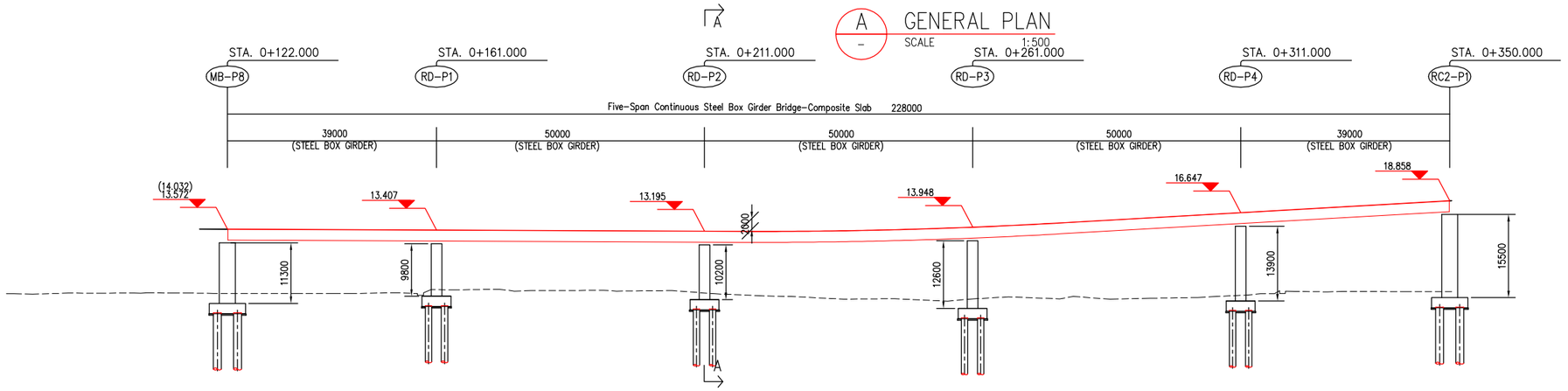
B GENERAL ELEVATION
SCALE 1:500

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

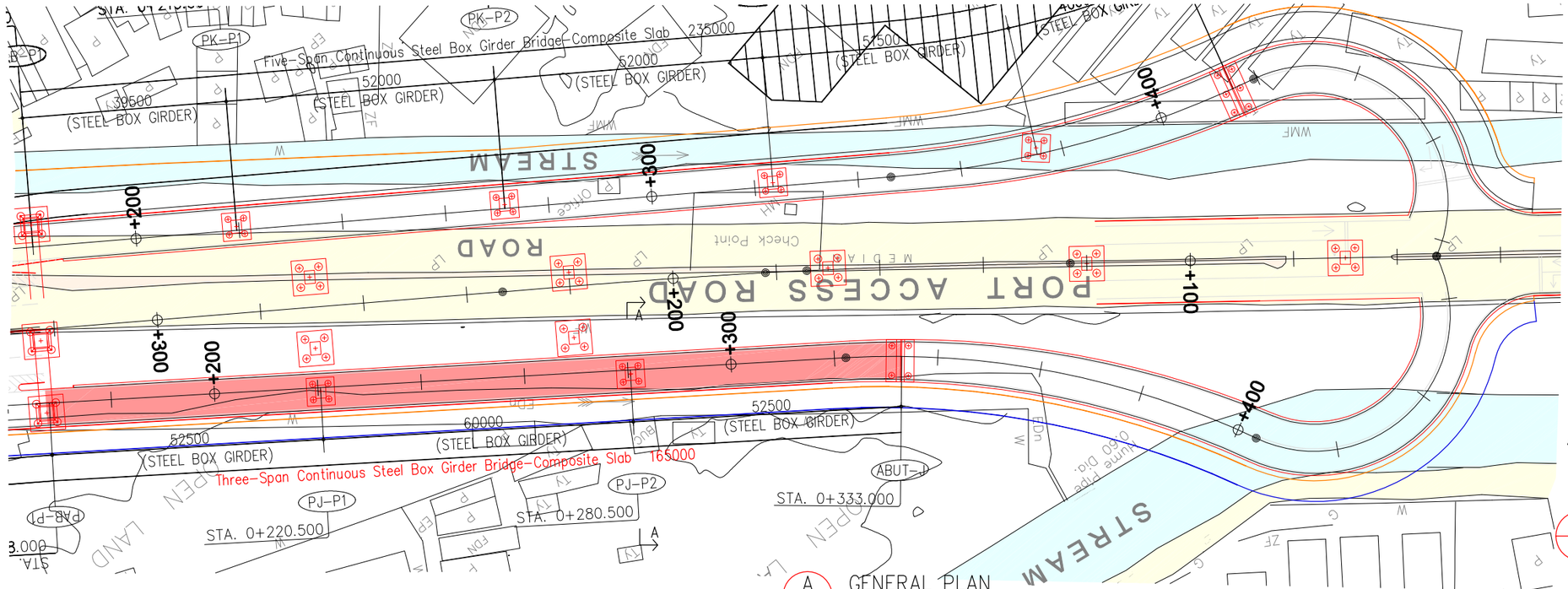


A – GENERAL PLAN
SCALE 1:500

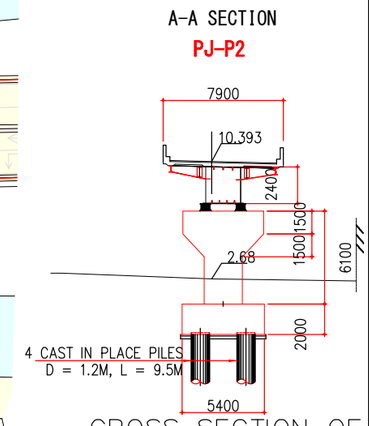
STATION	0+100													0+200												0+300												0+350.389
FINISHED GRADE ELEVATION																																						
				13.594	13.580		13.496		13.411		13.326		13.241		13.160		13.331		13.909		14.889		16.023		17.157		18.291		18.880										
EXISTING GROUND ELEVATION	1.62		1.61		1.56	1.57		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

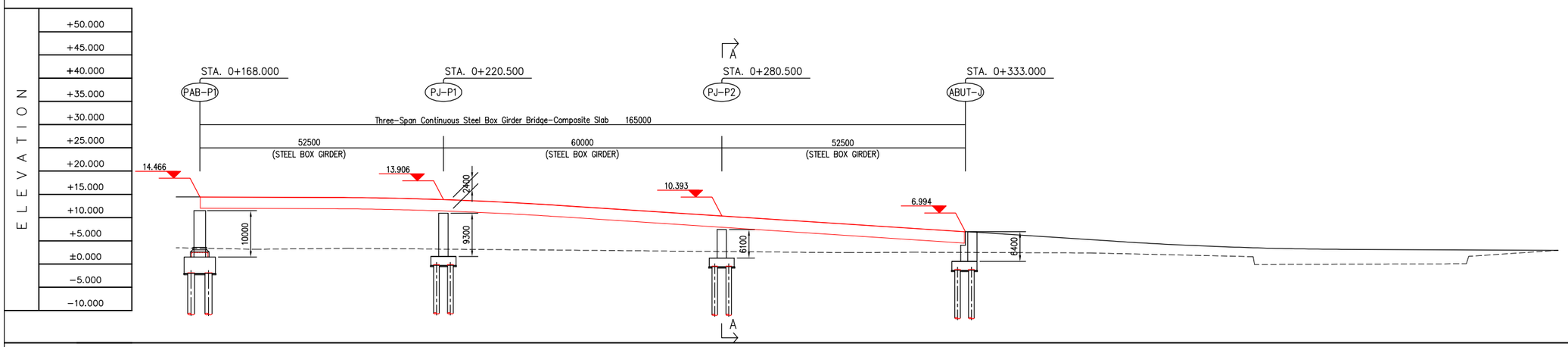
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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



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	

B GENERAL ELEVATION
SCALE 1:500

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

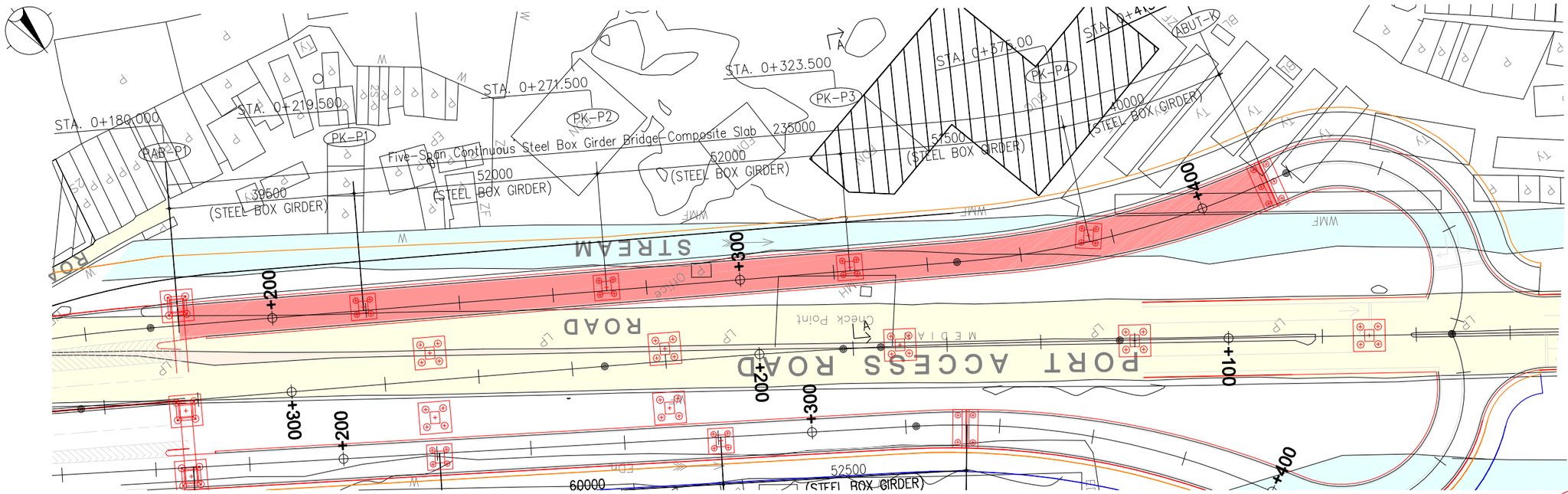
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

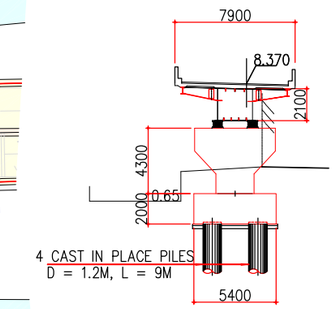
BRIDGE GENERAL DRAWING
INGURUKADE ON RAMP STEEL BOX GIRDER
STA.0+168.000 TO STA.0+333.000

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

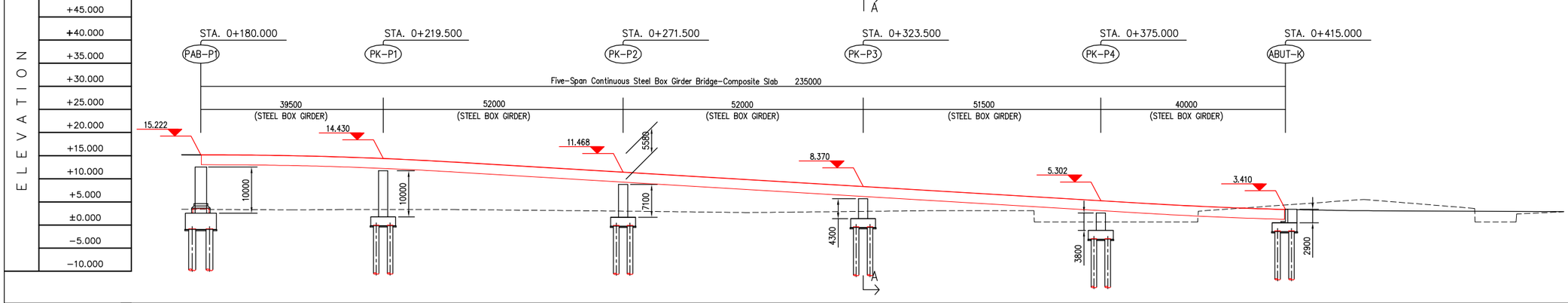


A GENERAL PLAN
– SCALE 1:500

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

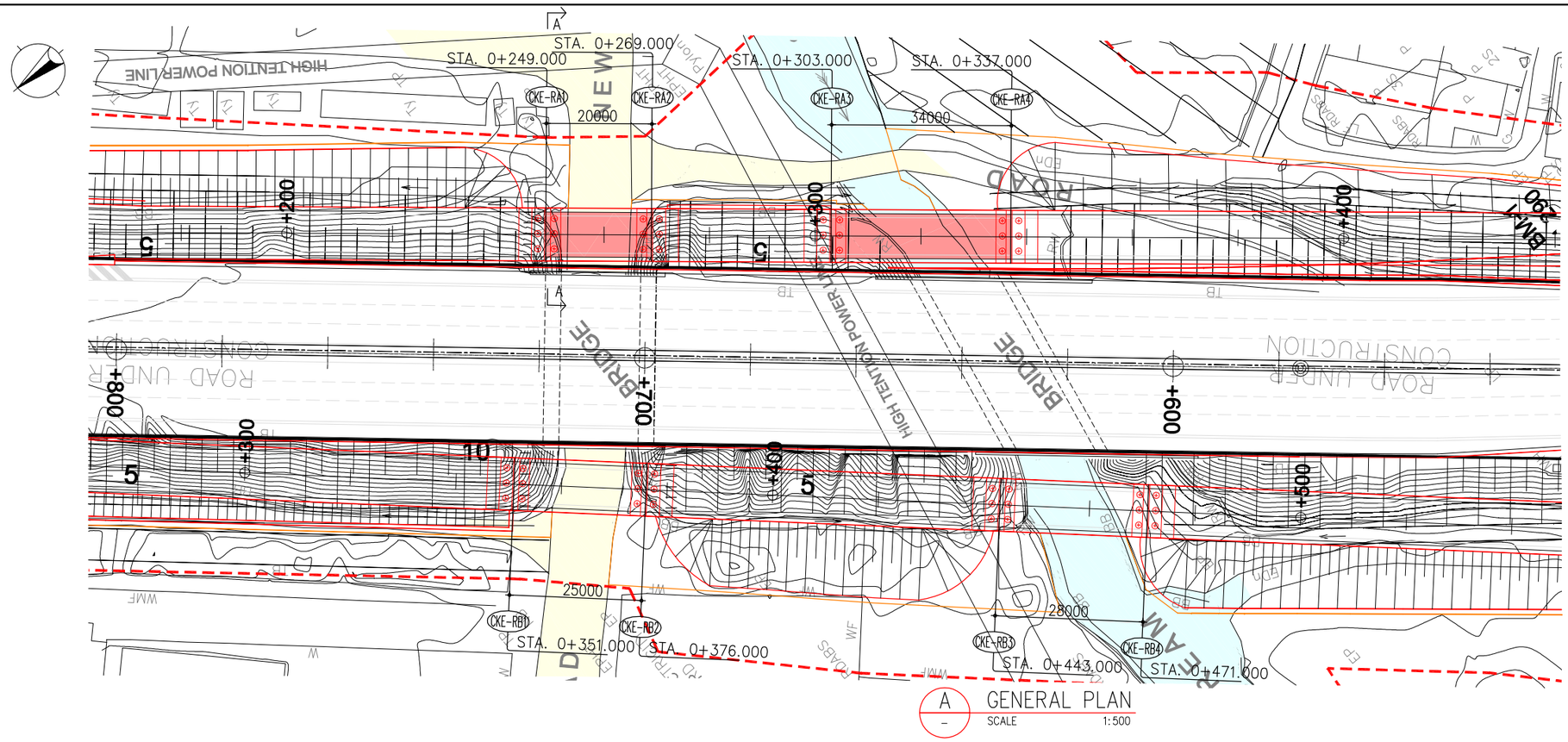
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

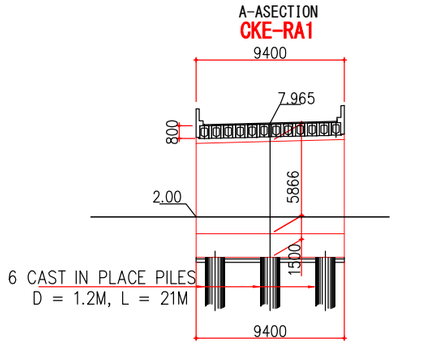
No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

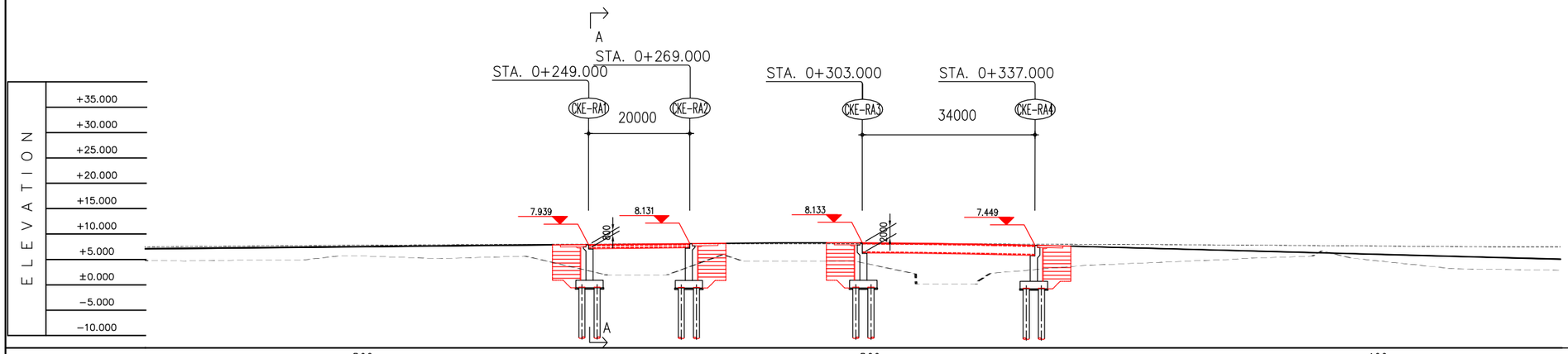
BRIDGE GENERAL DRAWING
INGURUKADE OFF RAMP STEEL BOX GIRDER
STA.0+180.000 TO STA.0+415.000

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





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

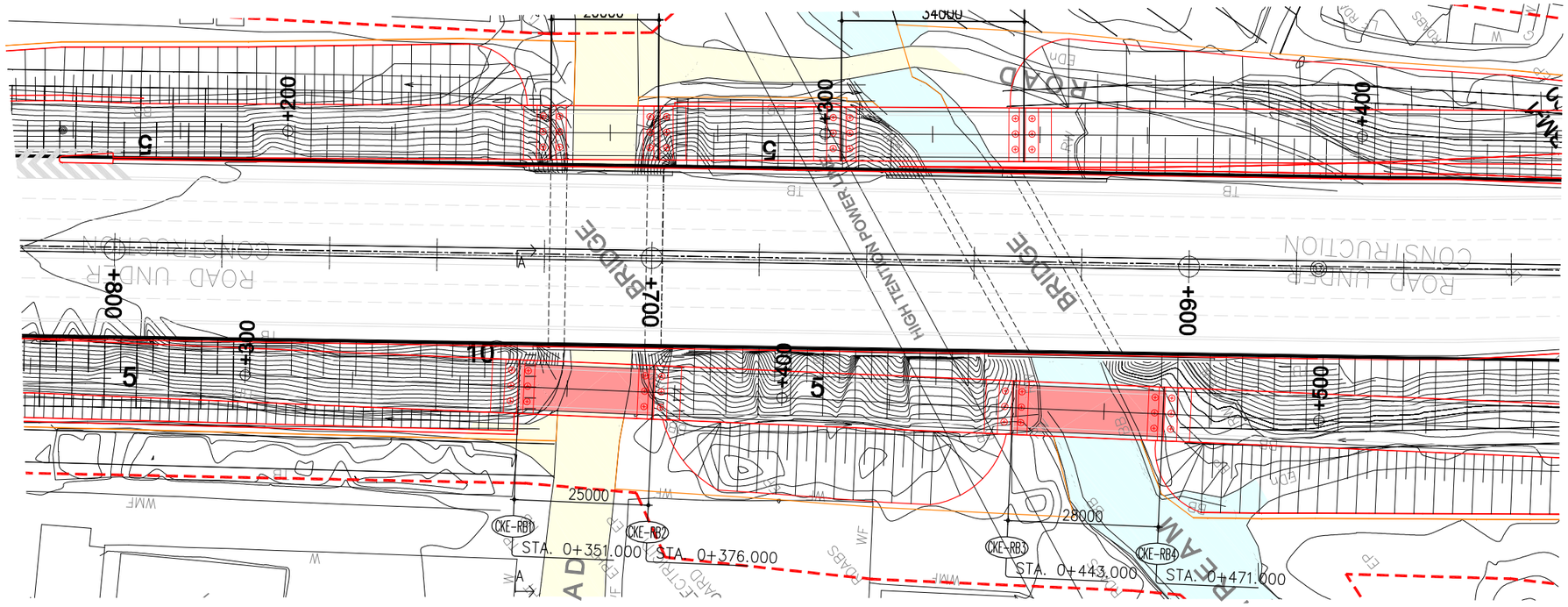
JAPAN INTERNATIONAL COOPERATION AGENCY
ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

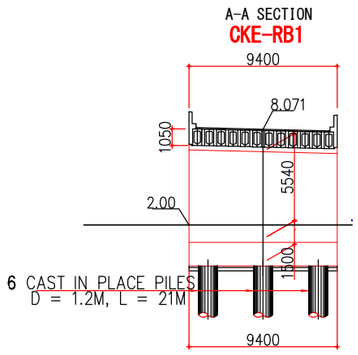
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

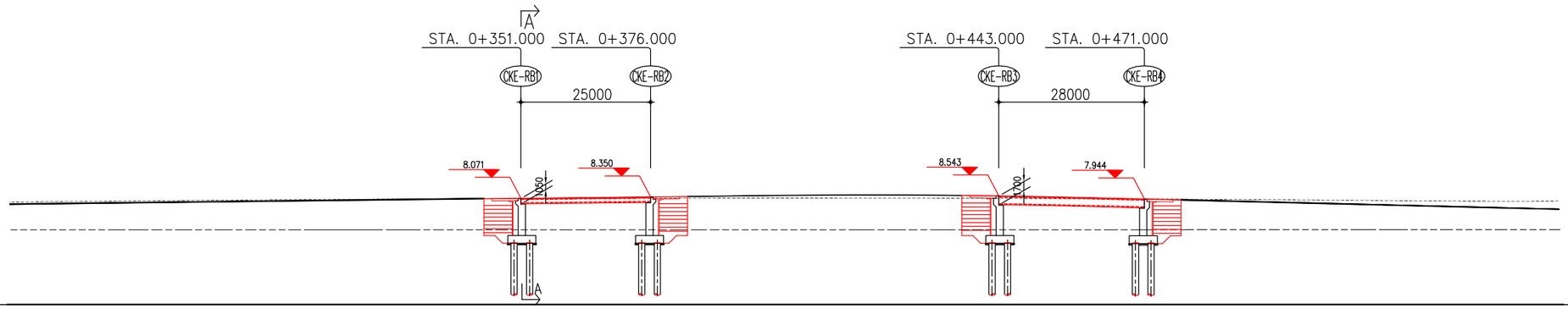
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-18



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

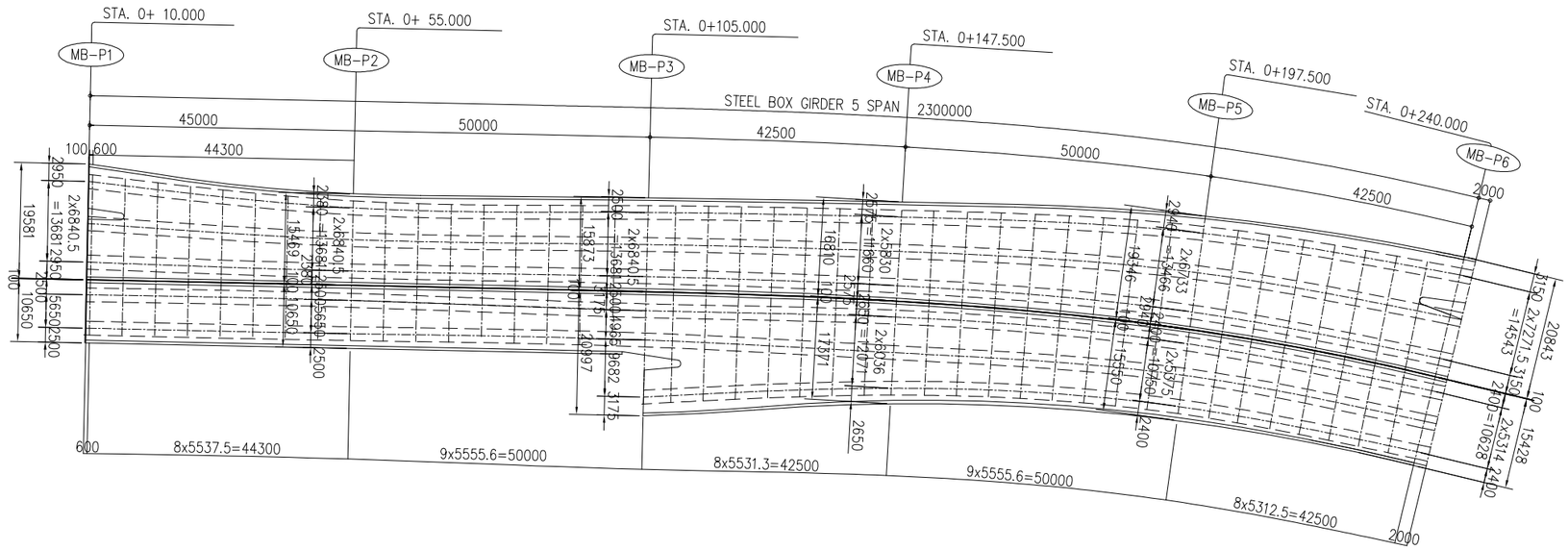
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

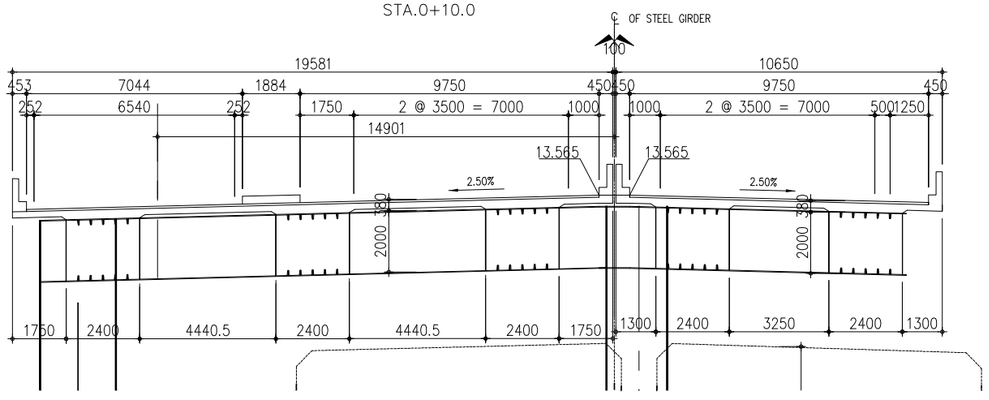
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-19

SIDE VIEW (MBP1–MBP6)
STEEL BOX GIRDER

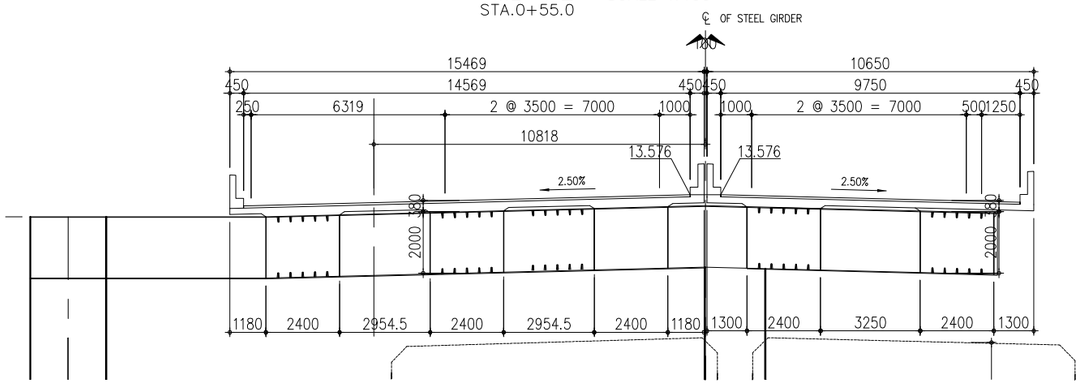
SCALE 1:500



MB–P1 SCALE 1:100
STA.0+10.0



MB–P2 SCALE 1:100
STA.0+55.0

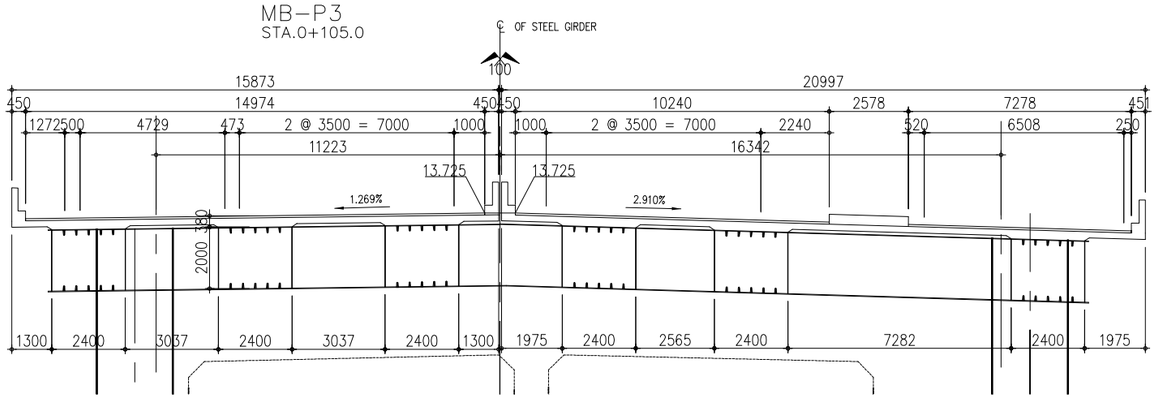


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
			CHECKED BY:
		SUPERSTRUCTURE GENERAL DRAWING MAIN LINE STEEL BOX GIRDER MBP1-MBP6(1/2)	APPROVED BY:
	No REVISION DATE		DWG. NO. B-20

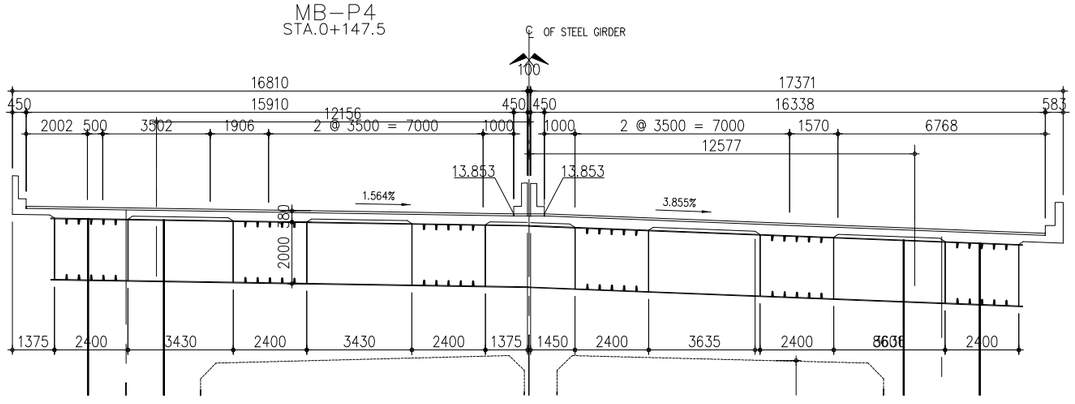
CROSS SECTION (MBP1–MBP6)
STEEL BOX GIRDER

SCALE 1:100

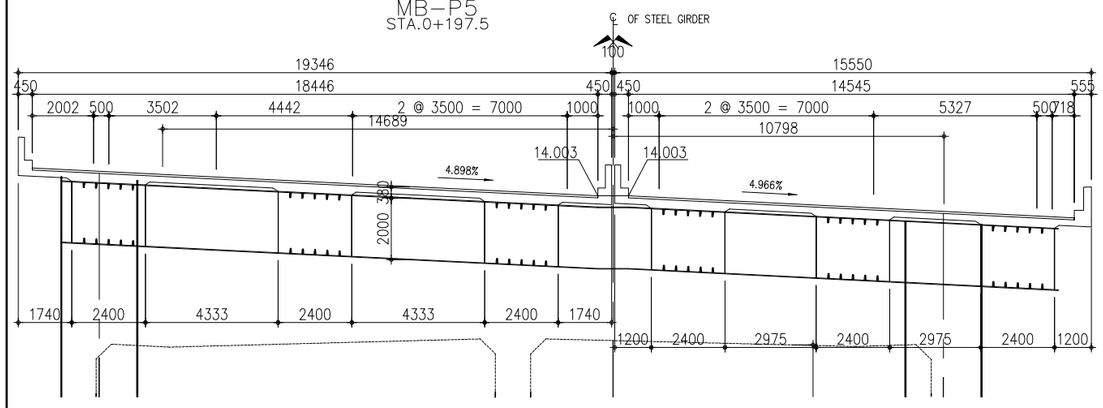
MB–P3
STA.0+105.0



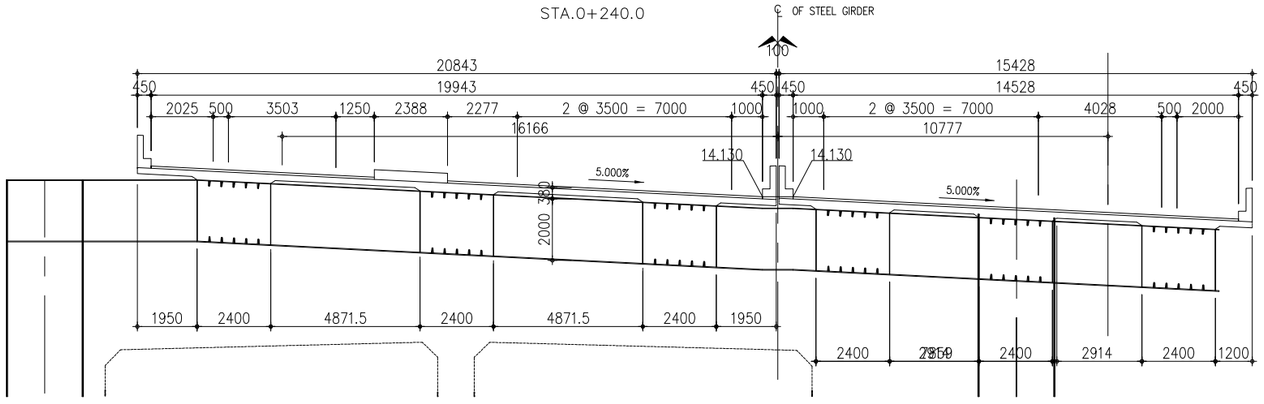
MB–P4
STA.0+147.5



MB–P5
STA.0+197.5



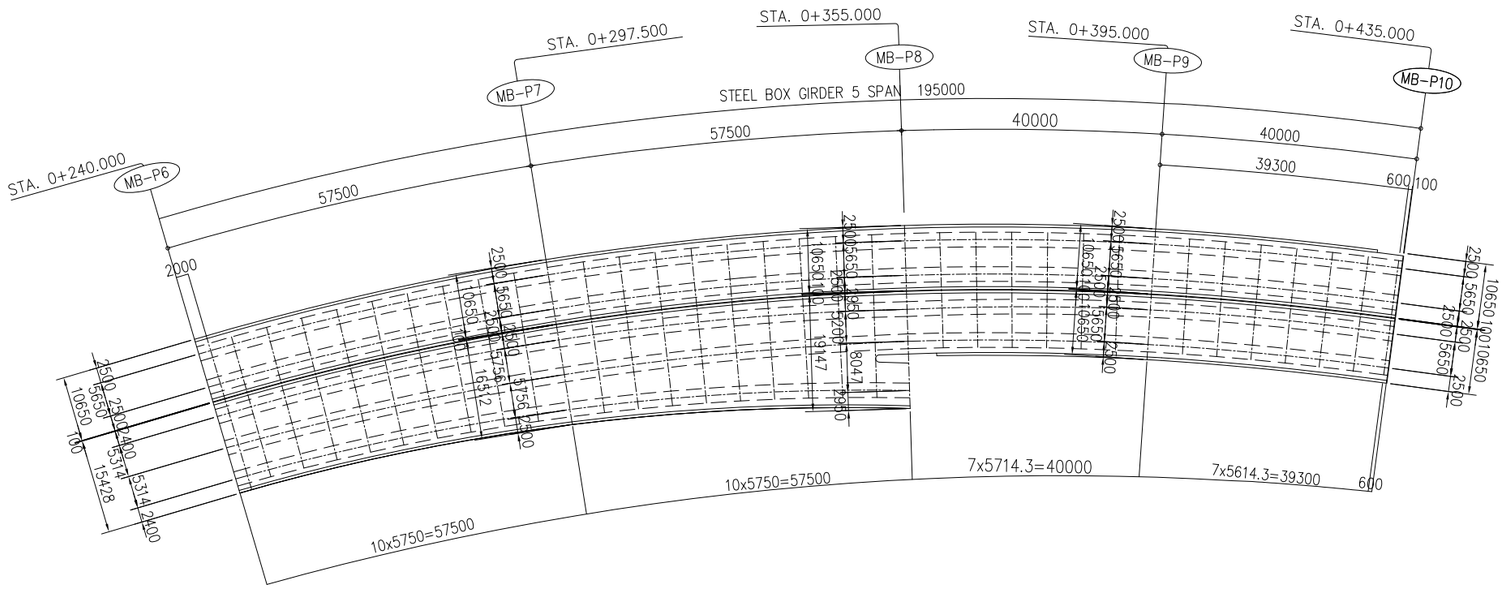
MB–P6
STA.0+240.0



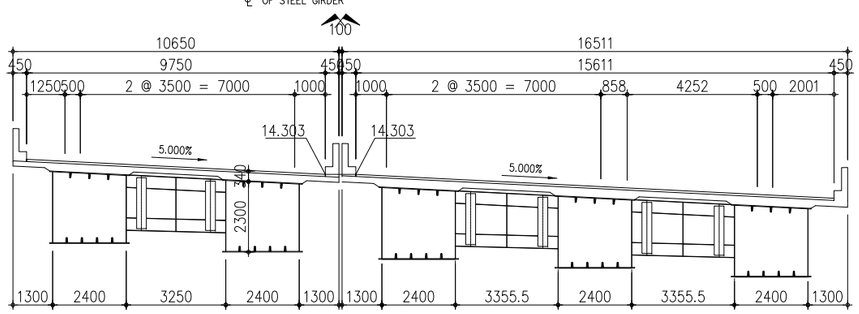
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE 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

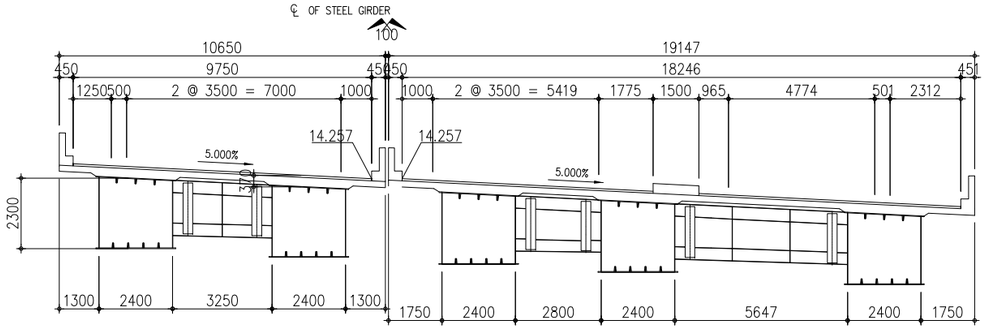
SCALE 1:500



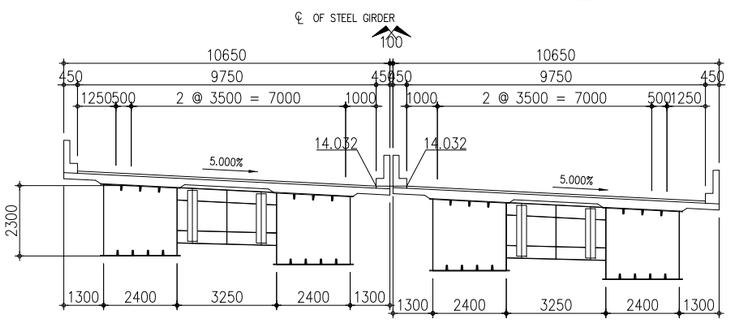
MB–P7
STA.0+297.5 SCALE 1:100



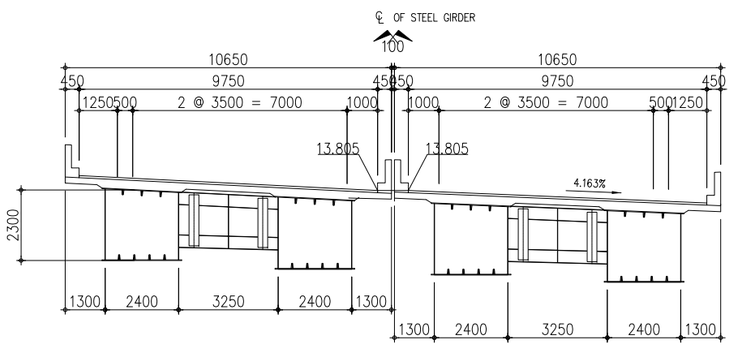
MB–P8
STA.0+355.0 SCALE 1:100



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

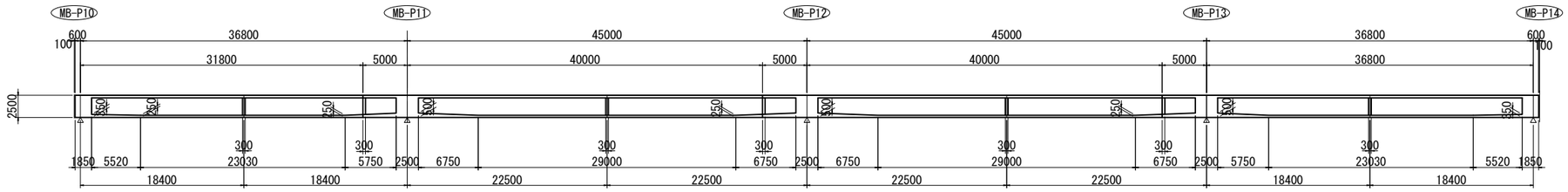
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUPERSTRUCTURE GENERAL DRAWING
MAIN LINE STEEL BOX GIRDER
MBP6-MBP10

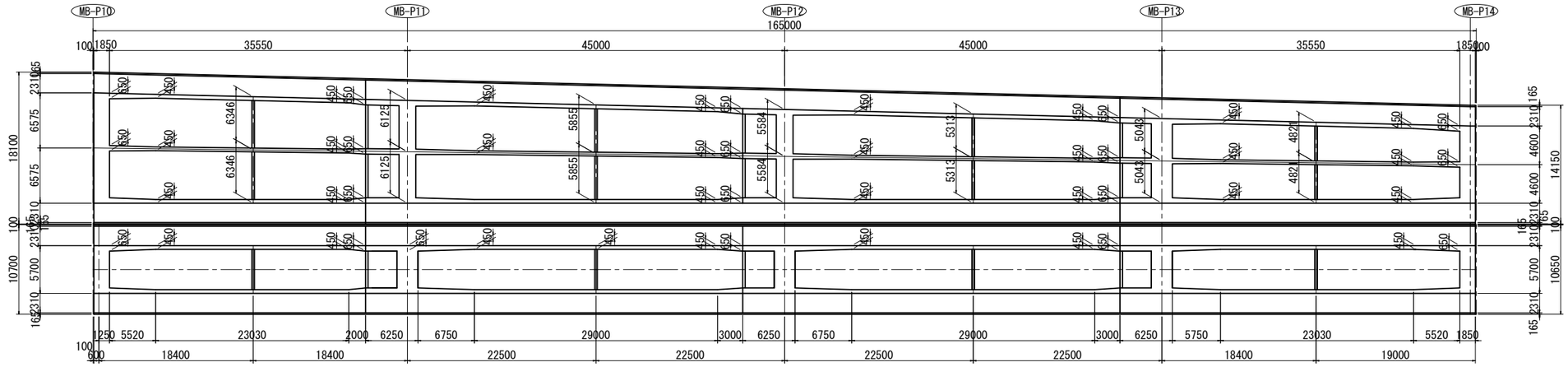
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-22

SIDE VIEW (MB10-MB14)
PC BOX GIRDER

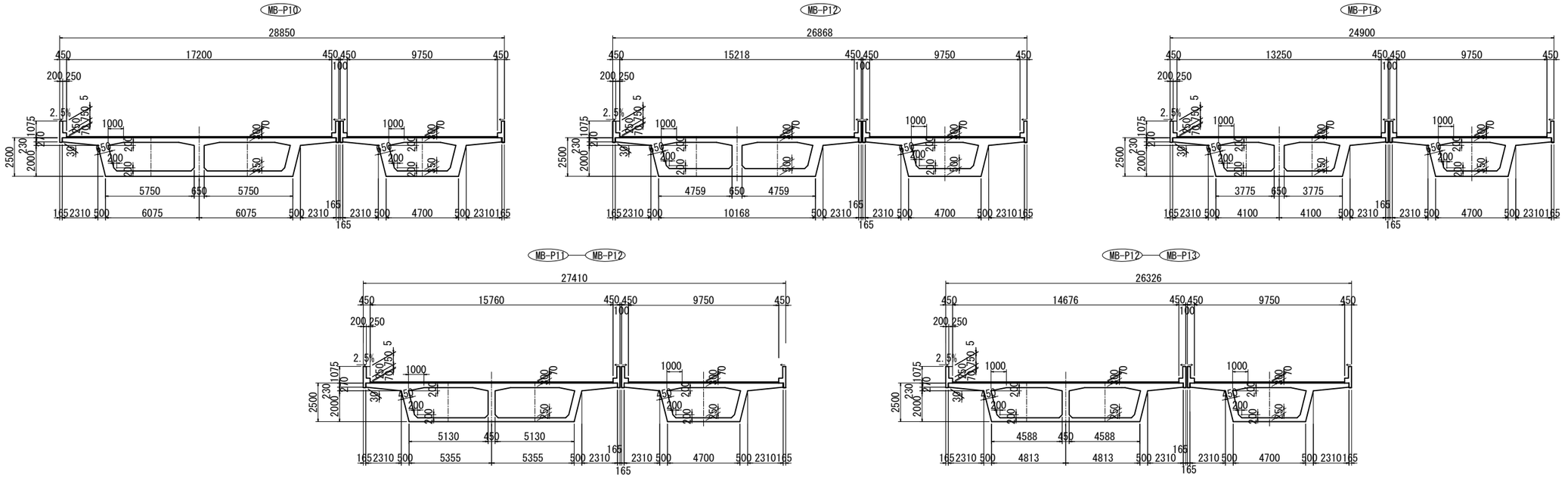
SIDE VIEW SCALE 1:300



PLAN SCALE 1:300



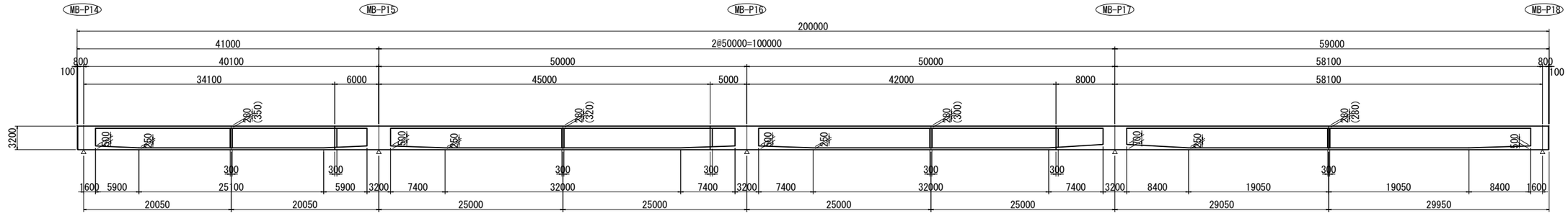
CLOSS SECTION SCALE 1:150



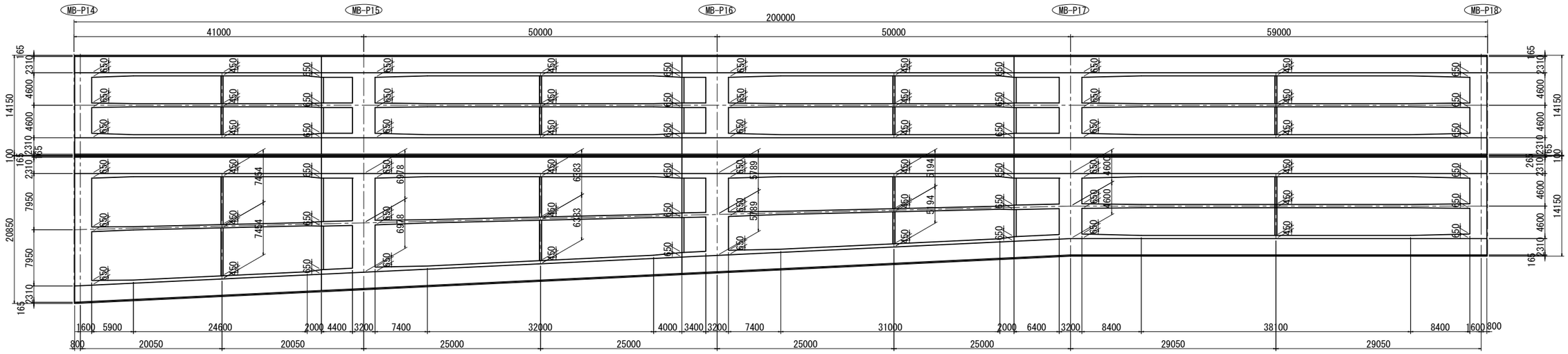
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

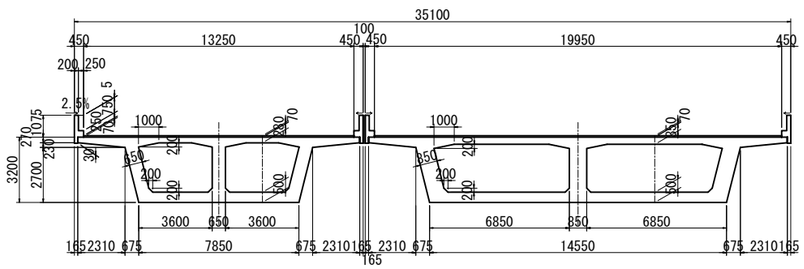
SIDE VIEW SCALE 1:300

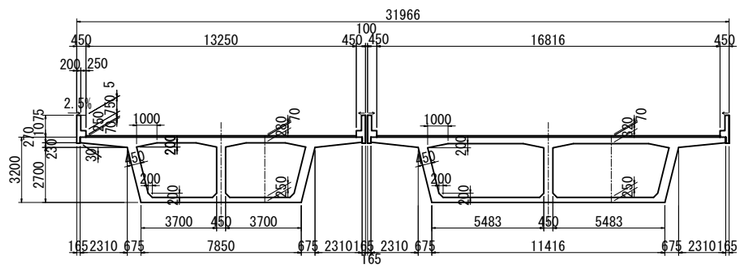


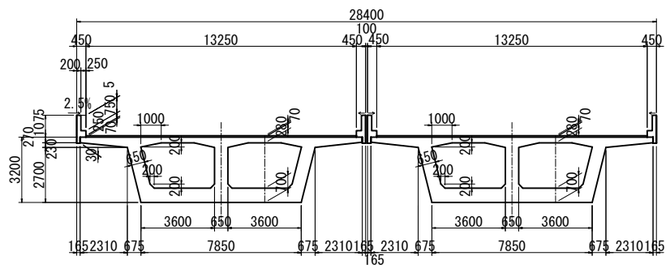
PLAN SCALE 1:300

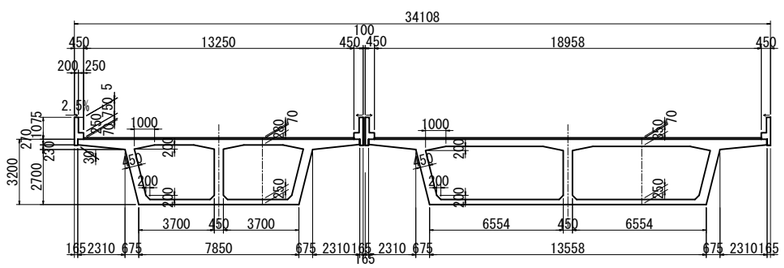


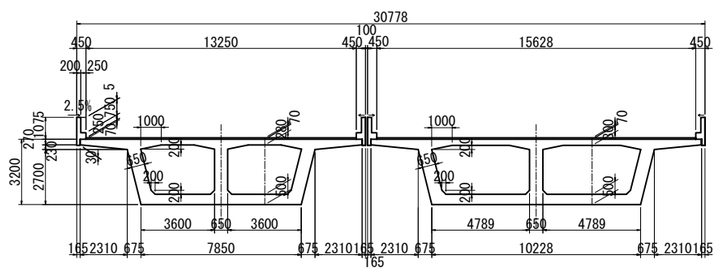
CLOSS SECTION SCALE 1:150

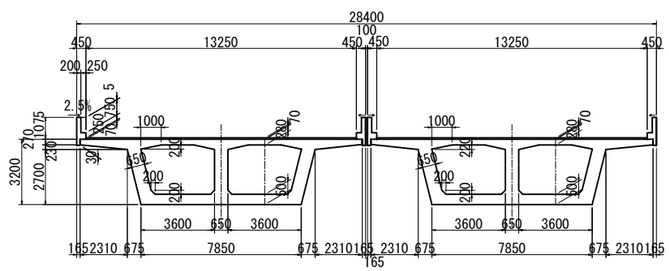












MINISTRY OF PORTS & HIGHWAYS
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
Road Development Authority

JAPAN INTERNATIONAL COOPERATION AGENCY

ORIENTAL CONSULTANTS CO., LTD.
KATAHIRA & ENGINEERS INTERNATIONAL

No	REVISION	DATE

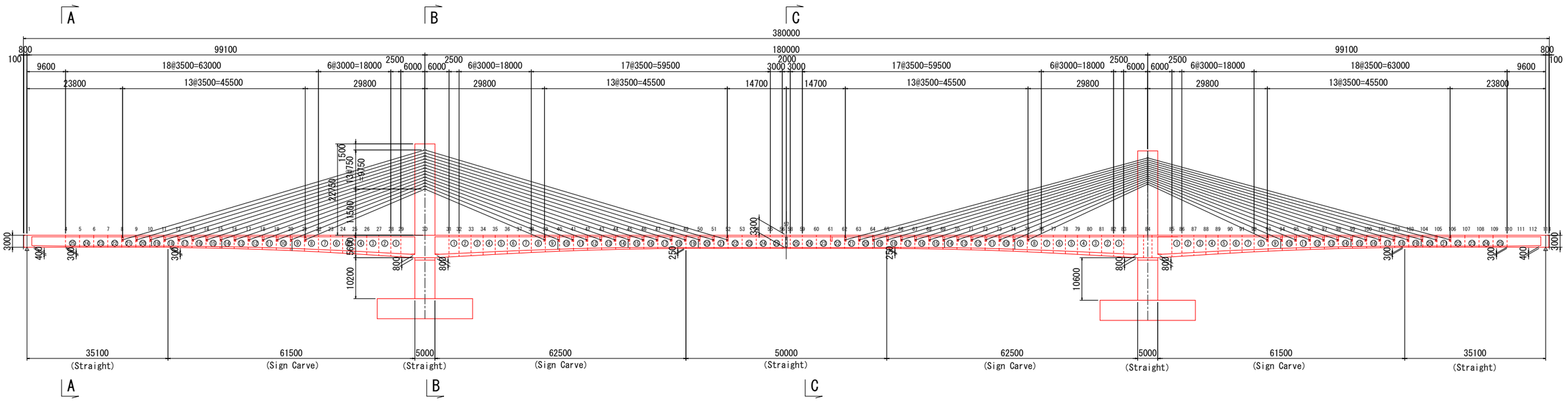
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUPERSTRUCTURE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
MBP14-MBP18

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

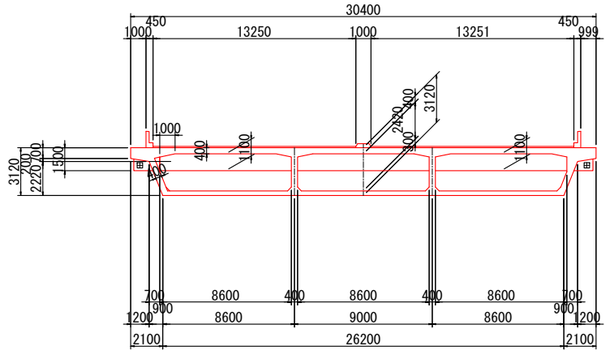
SIDE VIEW (MB18-MB21)
EXTRADOSED

SIDE VIEW SCALE 1:500

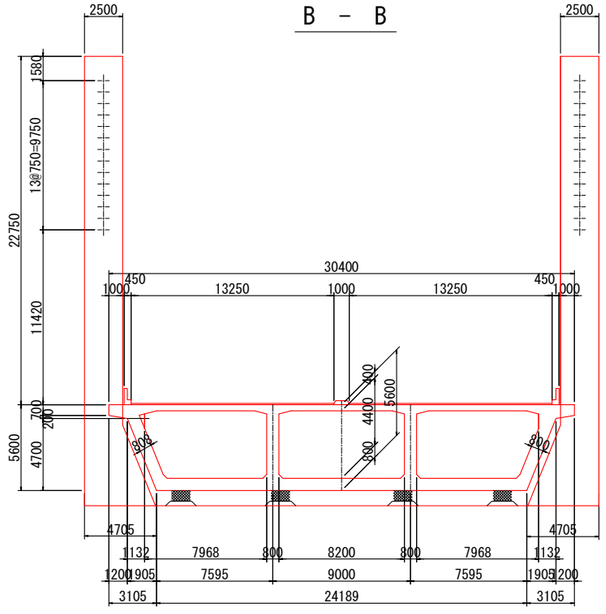


CROSS SECTION SCALE 1:200

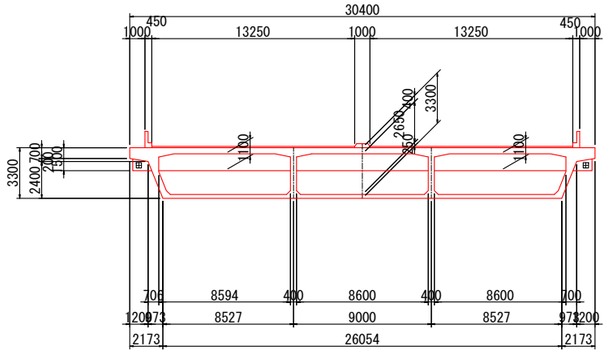
A – A



B – B



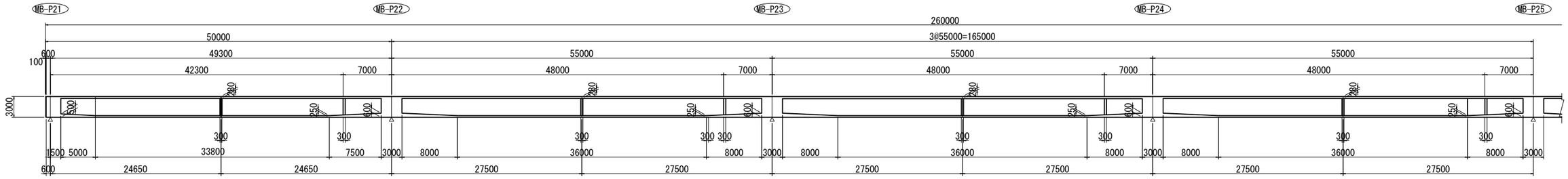
C – C



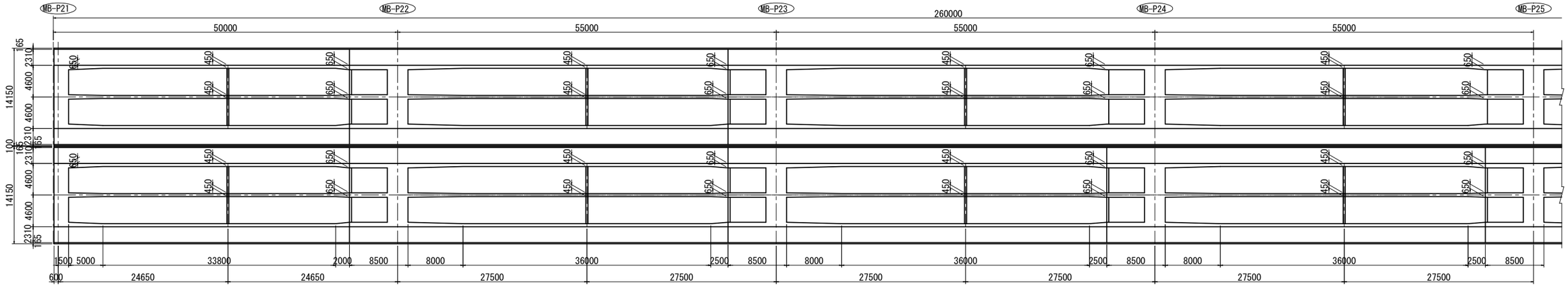
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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

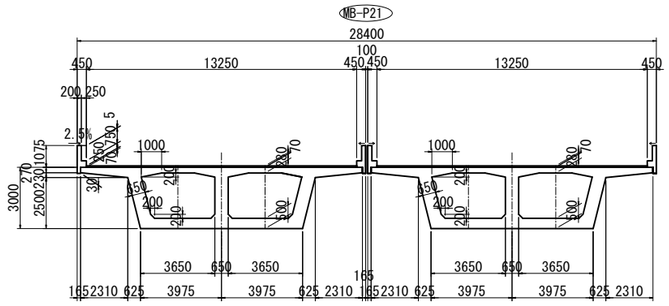
SIDE VIEW SCALE 1:300

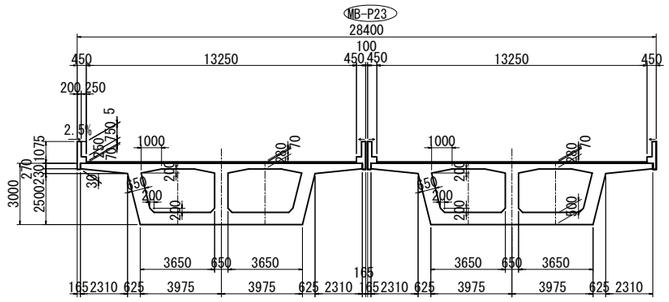


PLAN SCALE 1:300

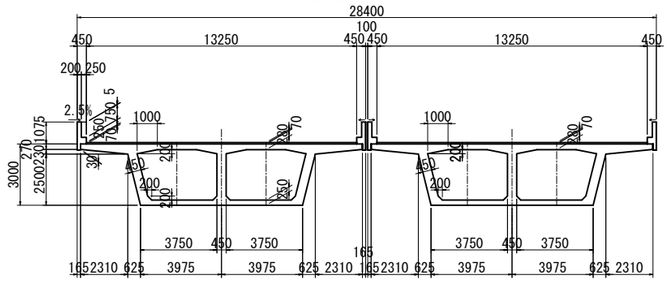


CLOSS SECTION SCALE 1:150

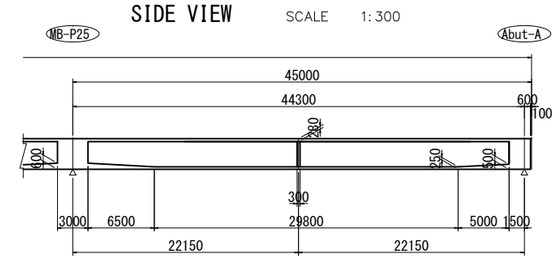




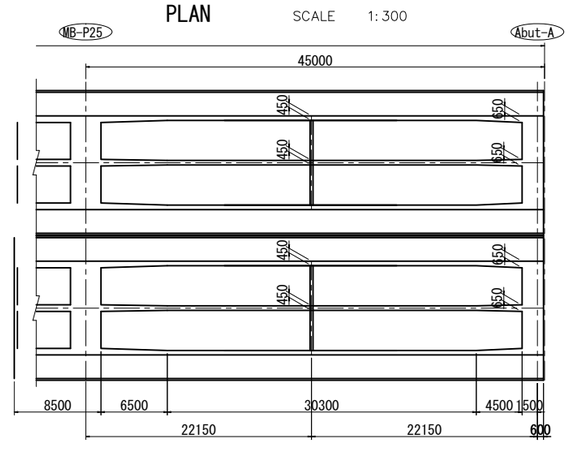
CENTER SECTION OF SPAN



SIDE VIEW SCALE 1:300



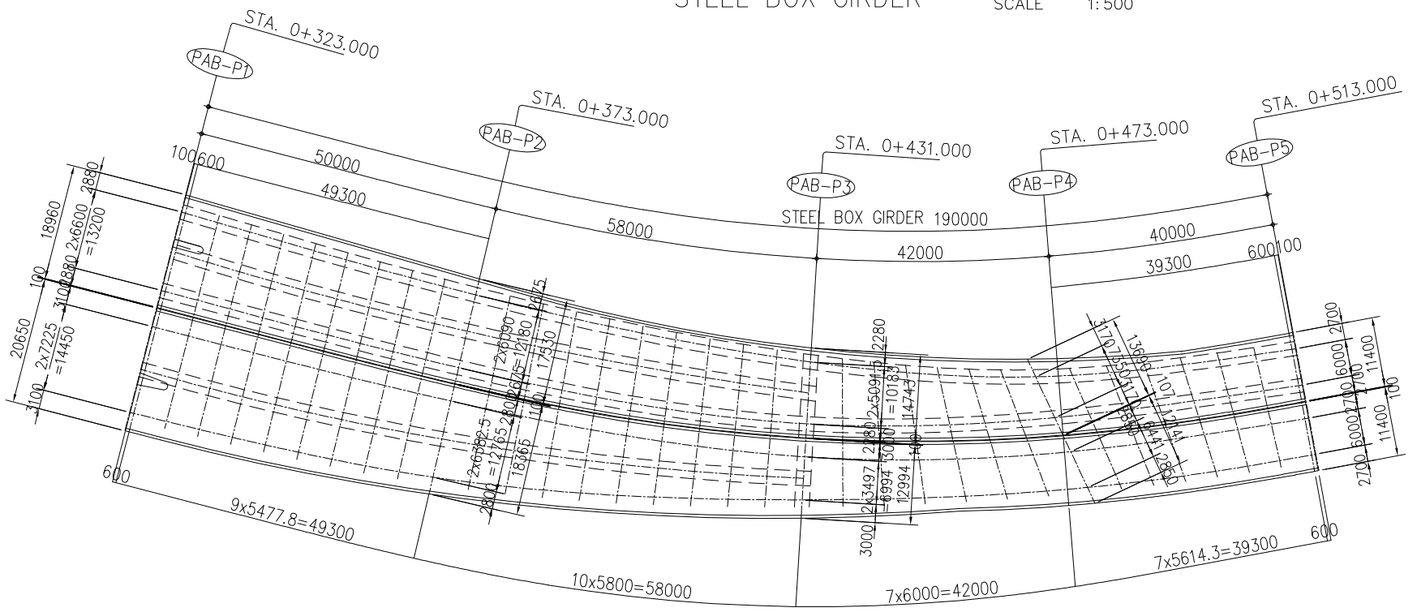
PLAN SCALE 1:300



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	No	REVISION	DATE	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

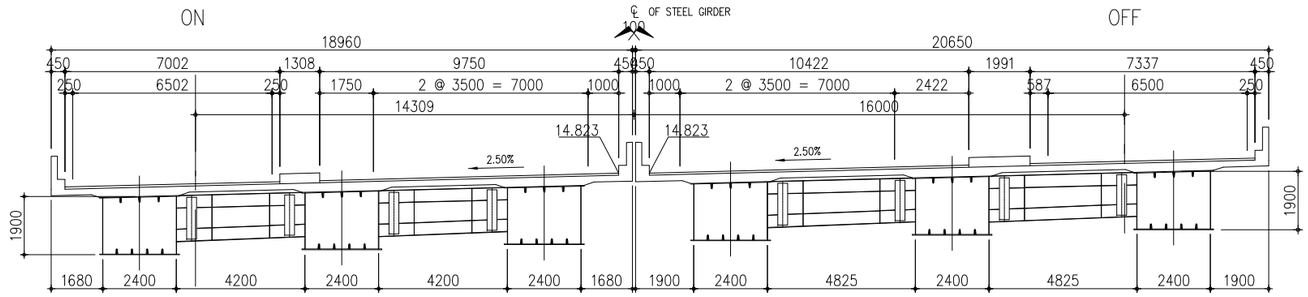
SIDE VIEW (PABP1–PABP5)
STEEL BOX GIRDER

SCALE 1:500



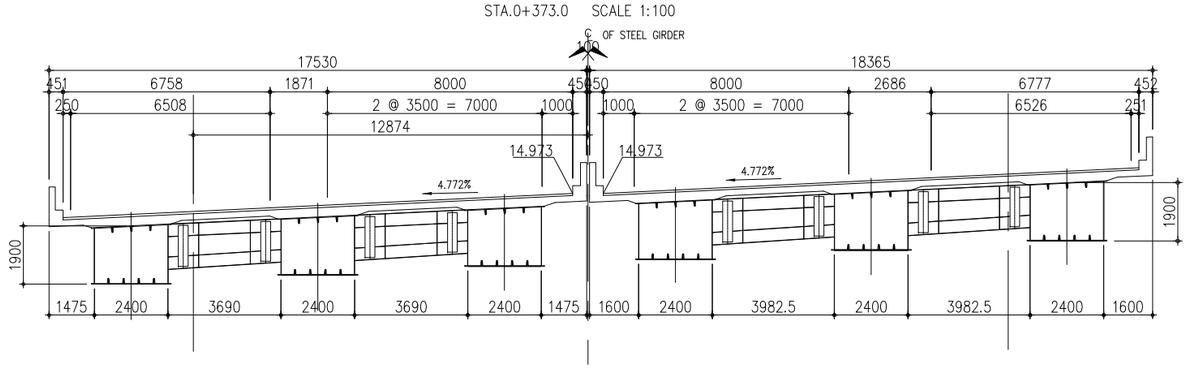
PAB–P1

STA.0+323.0 SCALE 1:100



PAB–P2

STA.0+373.0 SCALE 1:100

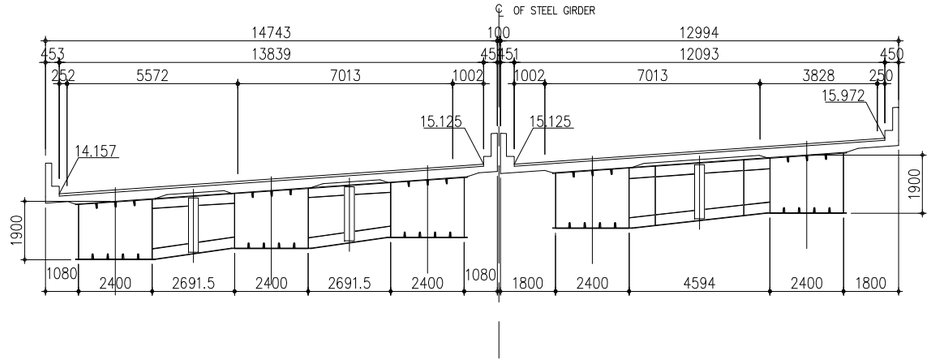


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

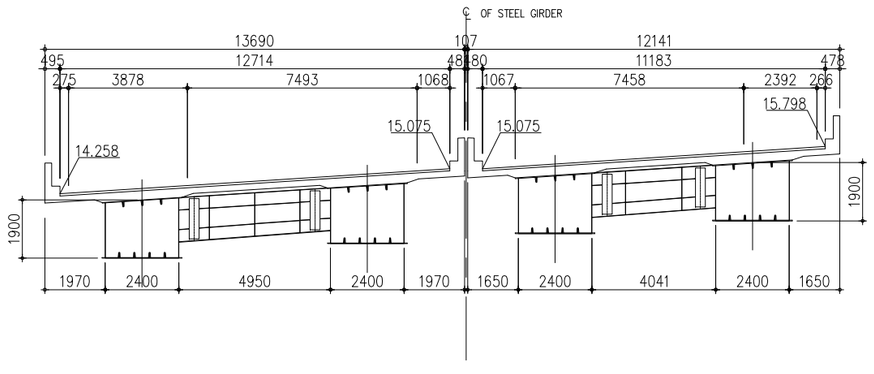
SIDE VIEW (PABP1–PABP5)
STEEL BOX GIRDER

SCALE 1:500

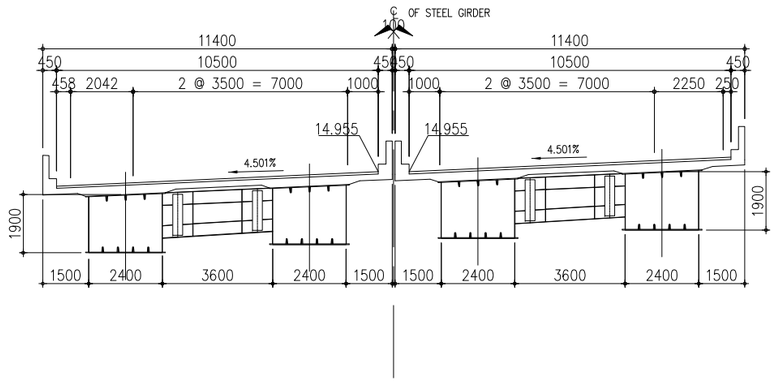
PAB–P3
STA.0+431.0 SCALE 1:100



PAB–P4
STA.0+473.0 SCALE 1:100



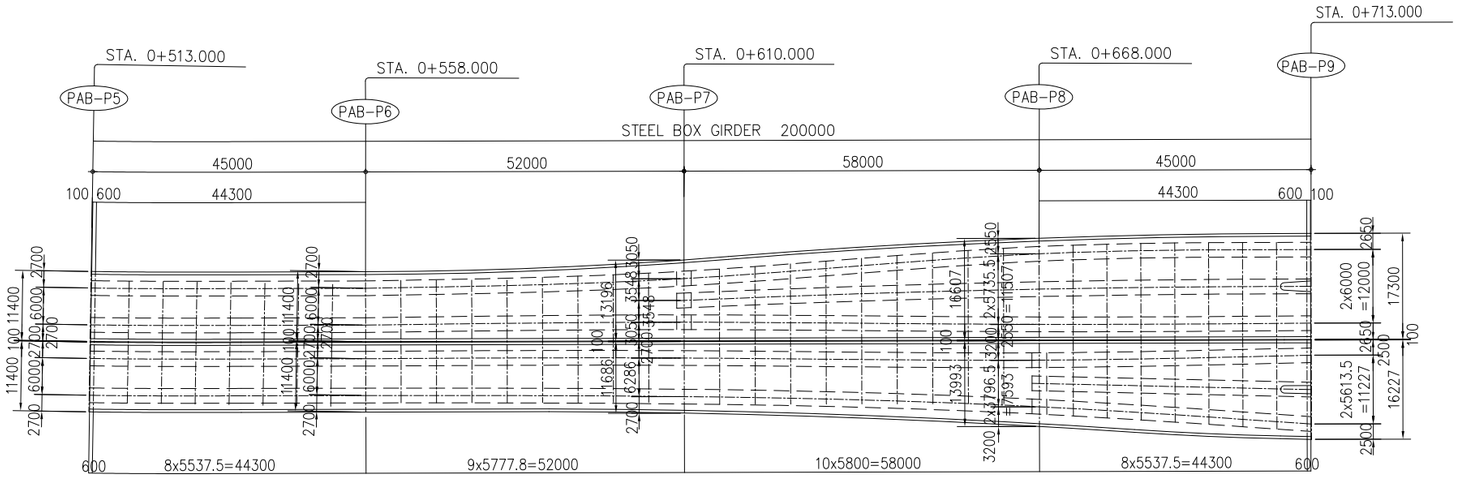
PAB–P5
STA.0+513.0 SCALE 1:100



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

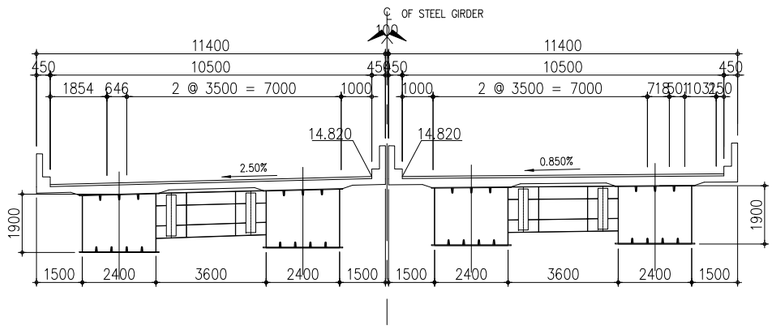
SIDE VIEW (PABP1–PABP5)
STEEL BOX GIRDER

SCALE 1:500



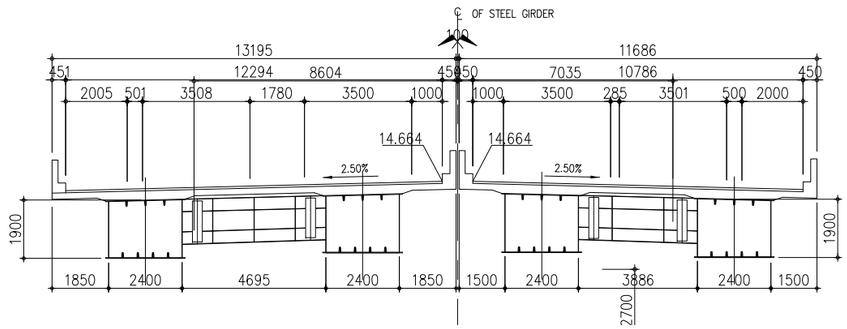
PAB–P6 SCALE 1:100

STA.0+513.0



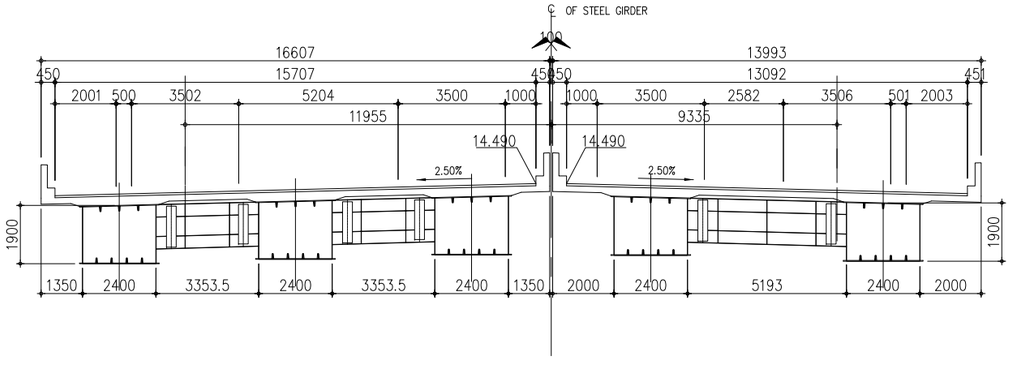
PAB–P7 SCALE 1:100

STA.0+610.0



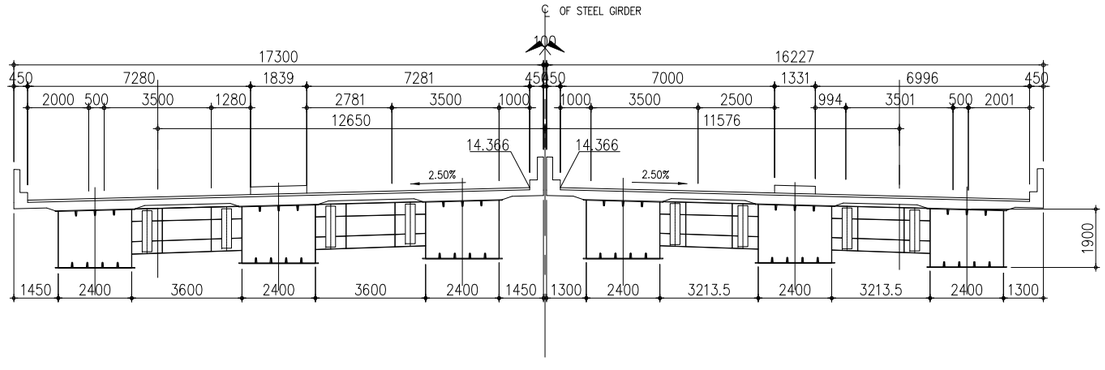
PAB–P8 SCALE 1:100

STA.0+668.0



PAB–P9 SCALE 1:100

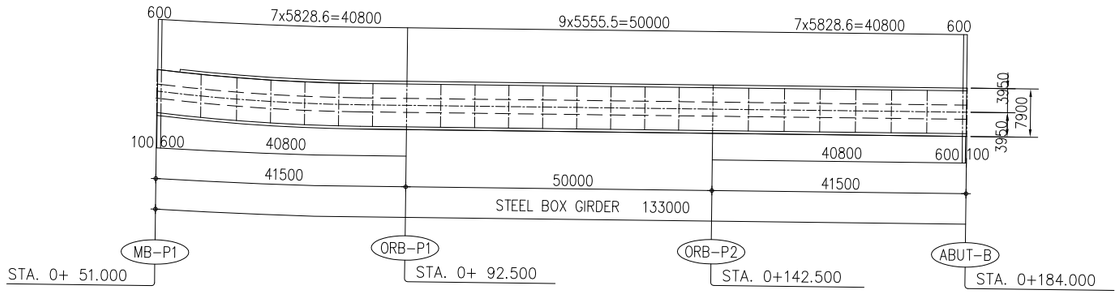
STA.0+713.0



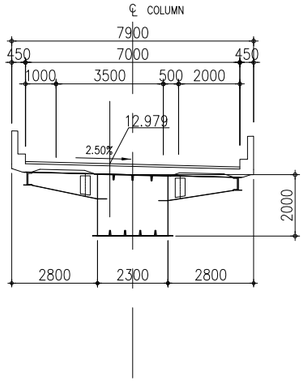
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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

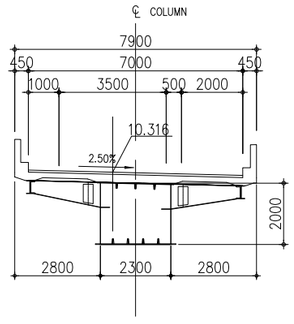
SCALE 1:500



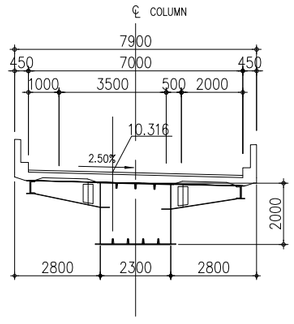
ORB–P1 SCALE 1:100
STA.0+ 92.50



ORB–P2 SCALE 1:100
STA.0+142.50



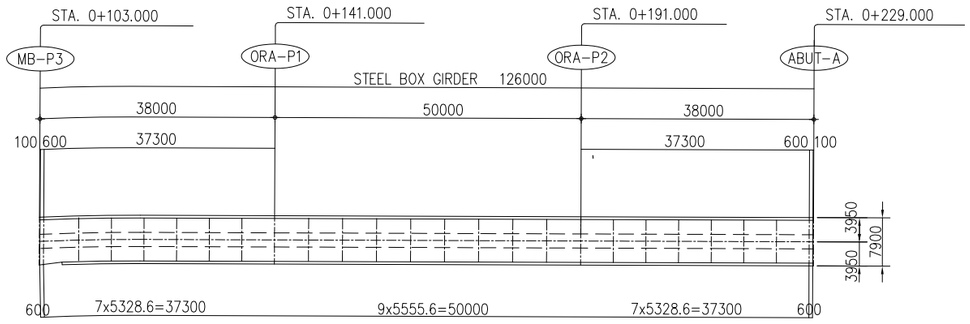
ORB–P2 SCALE 1:100
STA.0+142.50



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

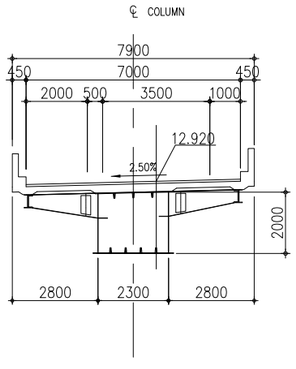
SIDE VIEW (MBP3-ABUTA)
STEEL BOX GIRDER

SCALE 1:500



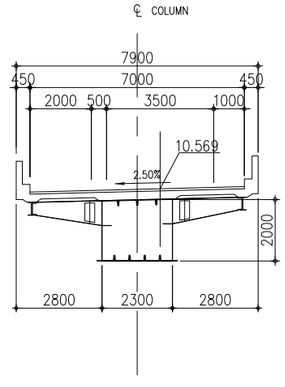
ORA-P1 SCALE 1:100

STA.0+141.0



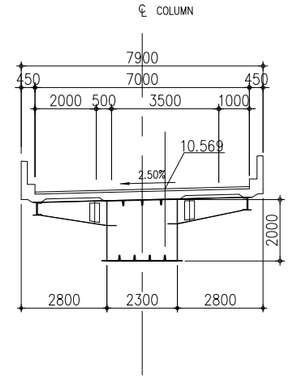
ORA-P2 SCALE 1:100

STA.0+191.0



ORA-P2 SCALE 1:100

STA.0+191.0



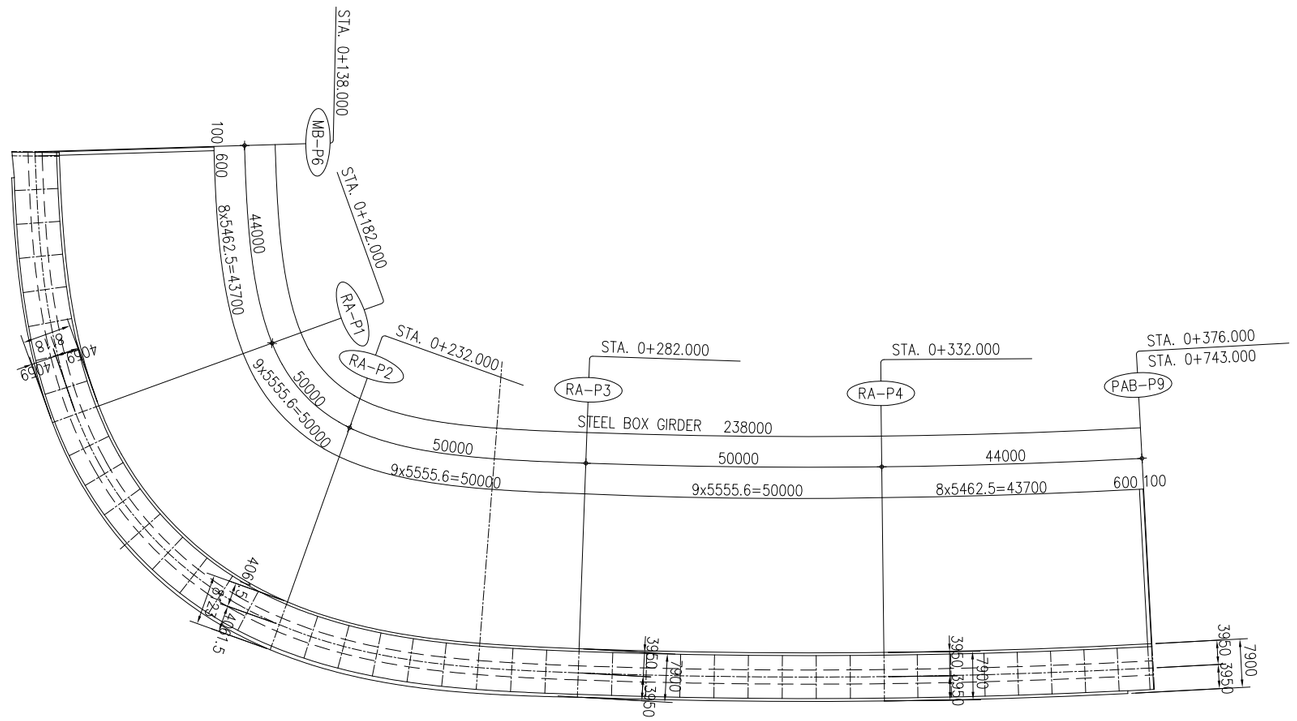
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE GENERAL DRAWING ORUGODAWATTA OFF RAMP STEEL BOX GIRDER ORAP1-ABUTA

No	REVISION	DATE

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

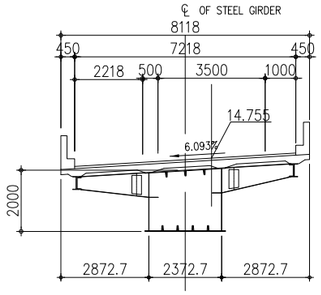
SIDE VIEW (MBP6–PABP9)
STEEL BOX GIRDER

SCALE 1:500



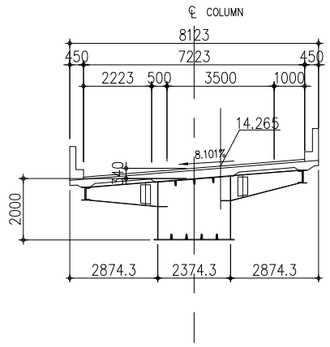
RA–P1 SCALE 1:100

STA.0+182.0



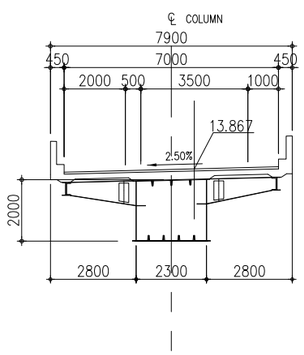
RA–P2 SCALE 1:100

STA.0+232.0



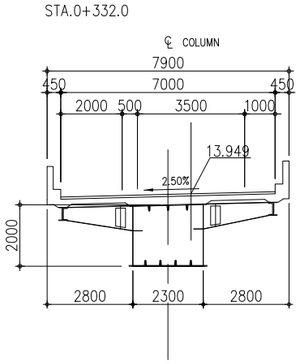
RA–P3 SCALE 1:100

STA.0+282.0



RA–P4 SCALE 1:100

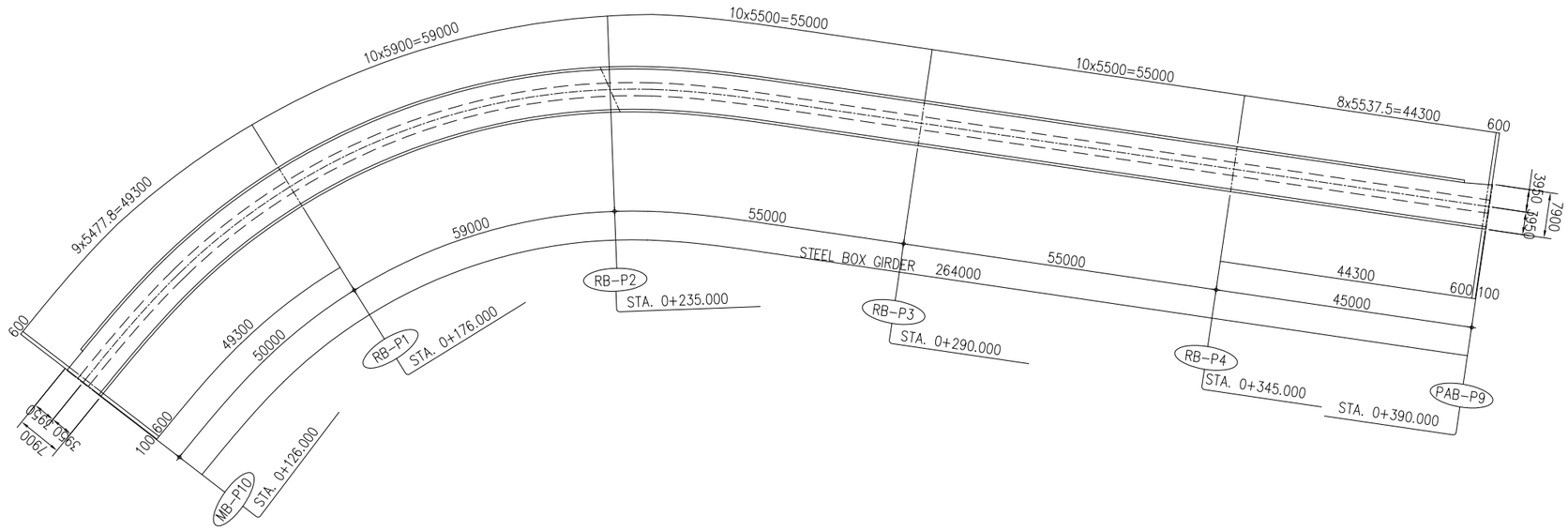
STA.0+332.0



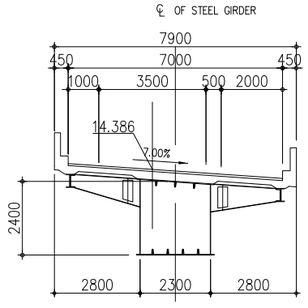
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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

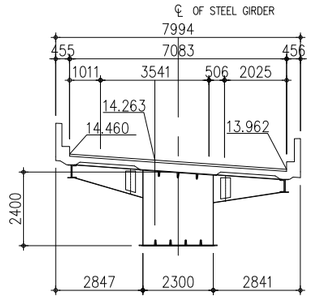
SCALE 1:500



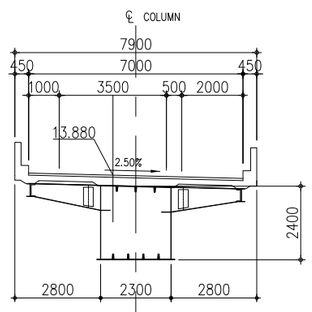
RB–P1 SCALE 1:100
STA.0+176.0



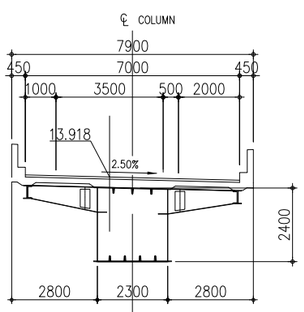
RB–P2 SCALE 1:100
STA.0+235.0



RB–P3 SCALE 1:100
STA.0+290.0



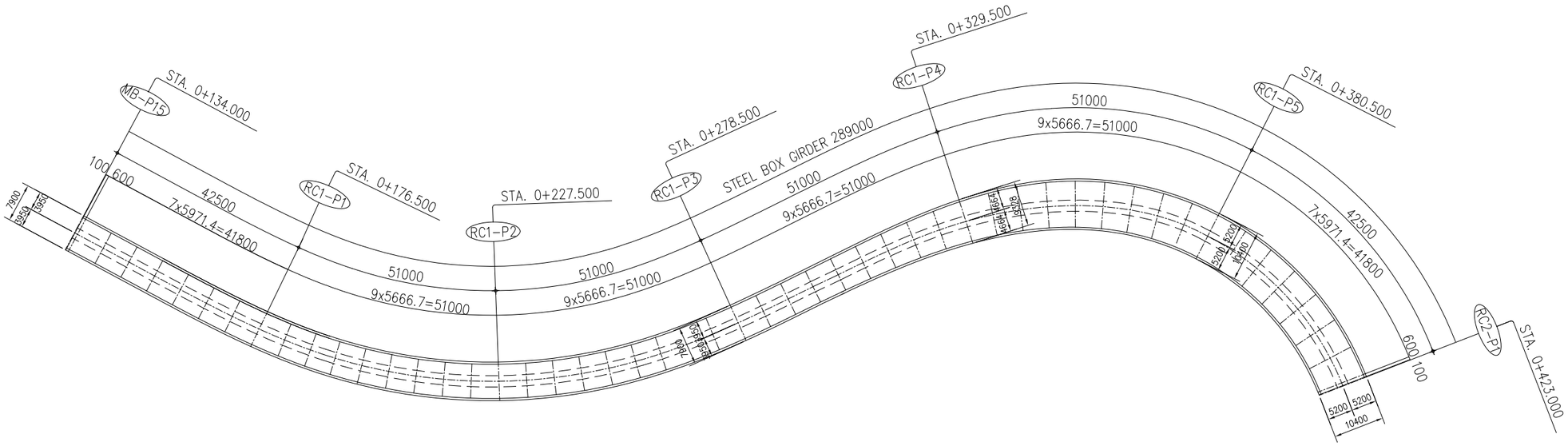
RB–P4 SCALE 1:100
STA.0+345.0



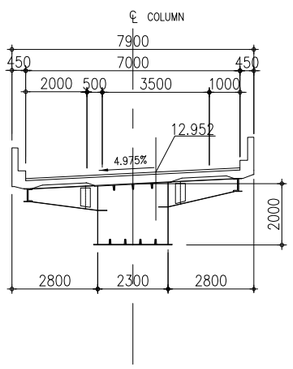
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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

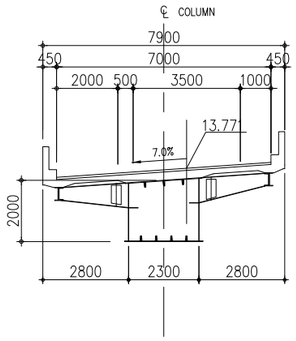
SCALE 1:500



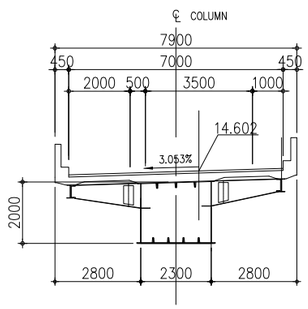
RC1–P1 SCALE 1:100
STA.0+176.5



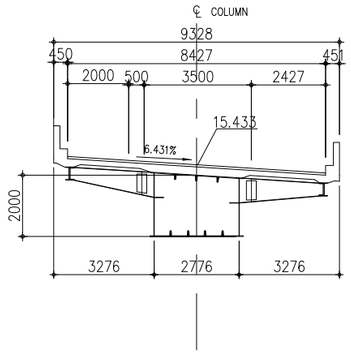
RC1–P2 SCALE 1:100
STA.0+227.5



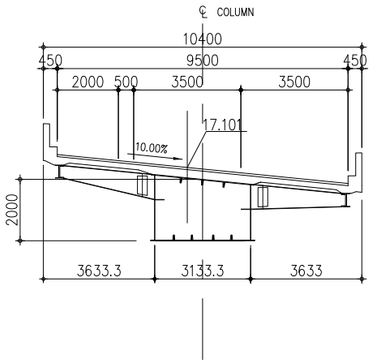
RC1–P3 SCALE 1:100
STA.0+278.5



RC1–P4 SCALE 1:100
STA.0+329.5



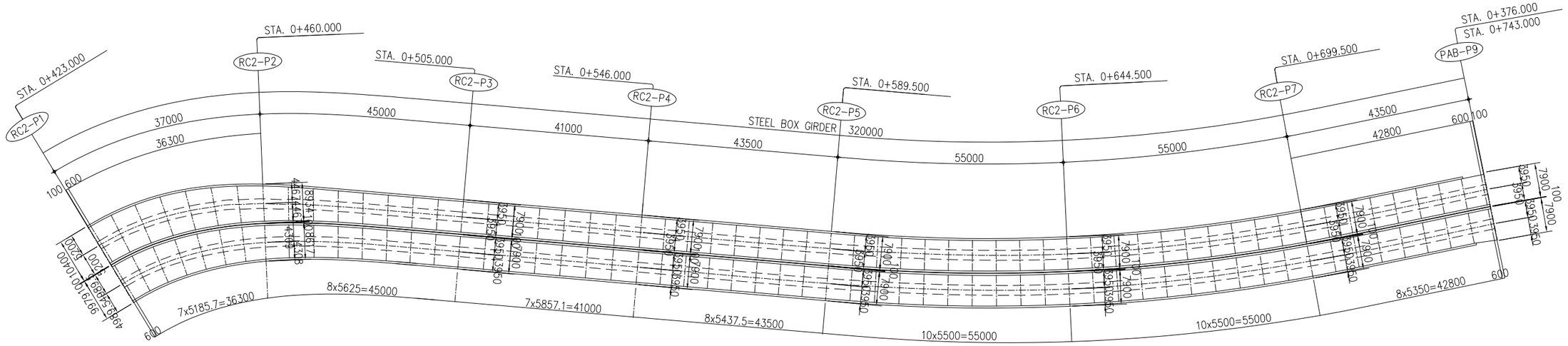
RC1–P5 SCALE 1:100
STA.0+380.5



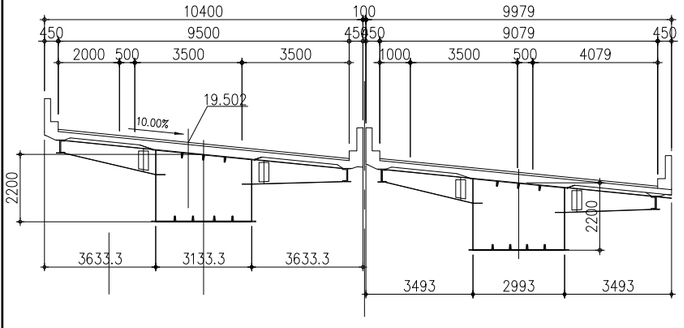
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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

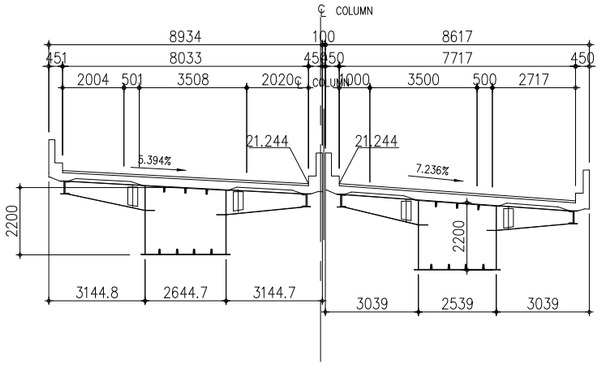
SCALE 1:500



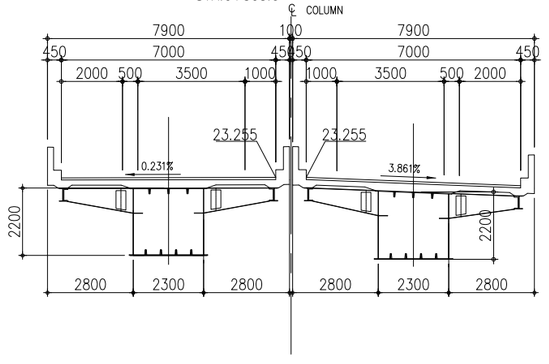
RC2–P1 SCALE 1:100
STA.0+423.0



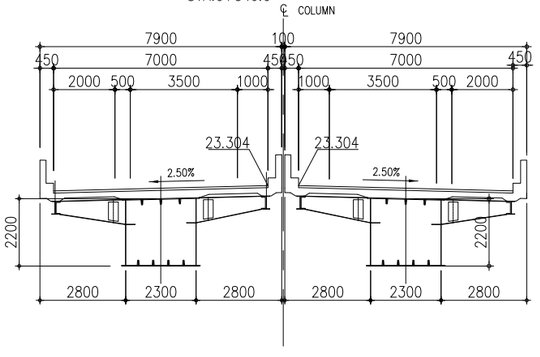
RC2–P2 SCALE 1:100
STA.0+460.0



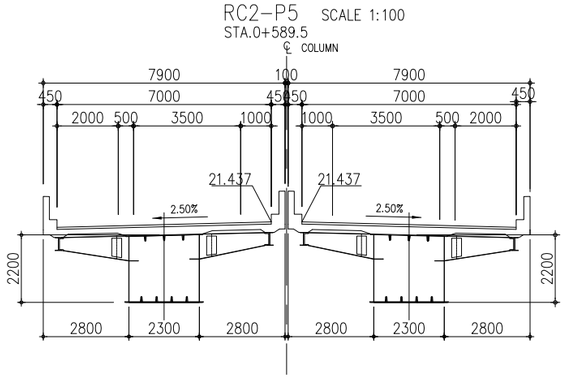
RC2–P3 SCALE 1:100
STA.0+505.0



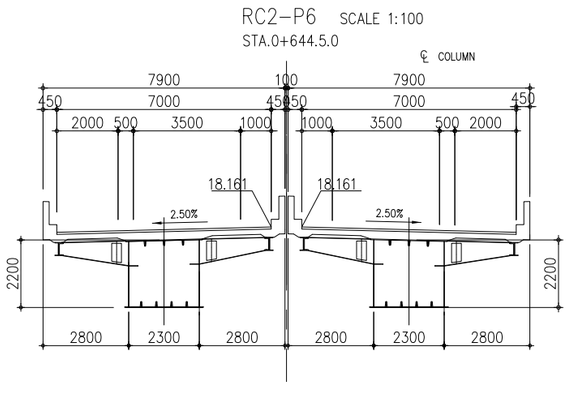
RC2–P4 SCALE 1:100
STA.0+546.0



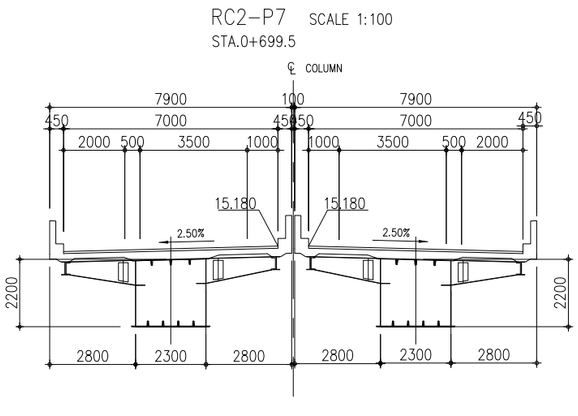
RC2–P5 SCALE 1:100
STA.0+589.5



RC2–P6 SCALE 1:100
STA.0+644.5.0



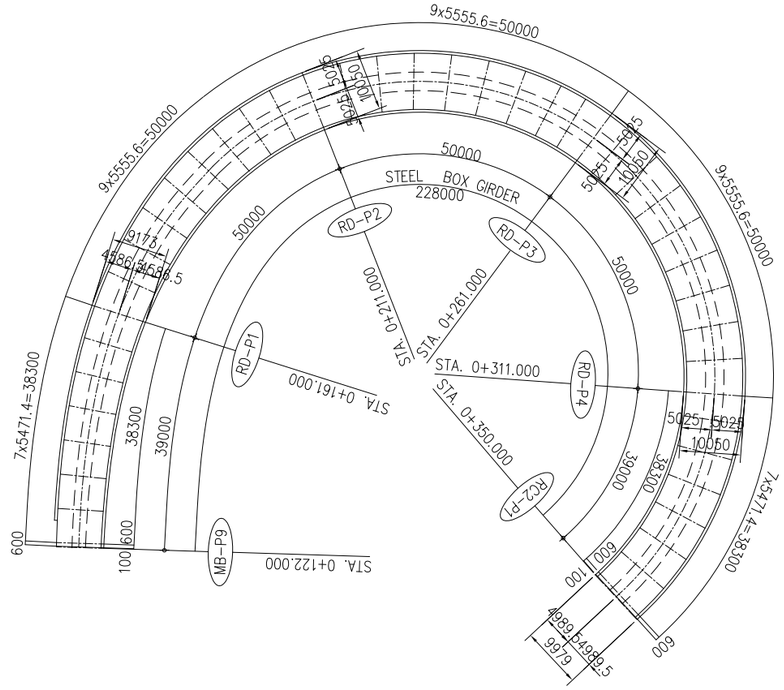
RC2–P7 SCALE 1:100
STA.0+699.5



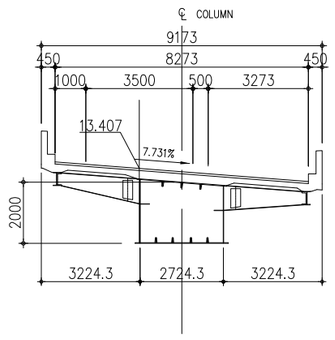
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

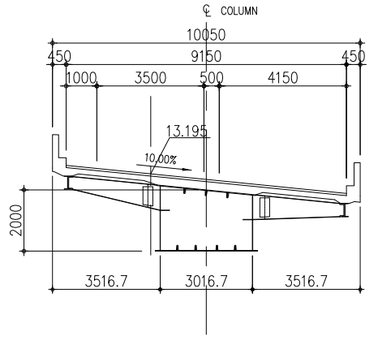
SCALE 1:500



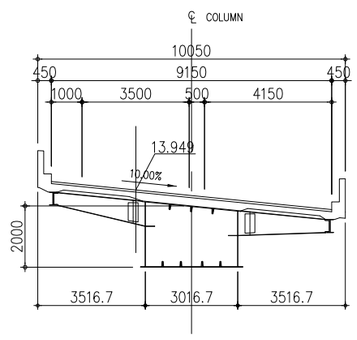
RD-P1 SCALE 1:100
STA.0+161.0



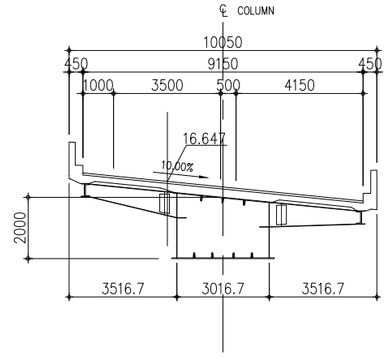
RD-P2 SCALE 1:100
STA.0+211.0



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



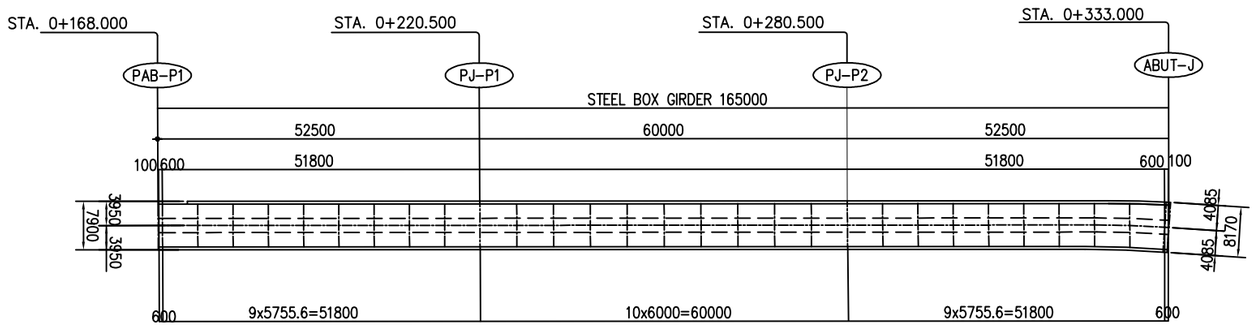
RD-P4 SCALE 1:100
STA.0+311.0



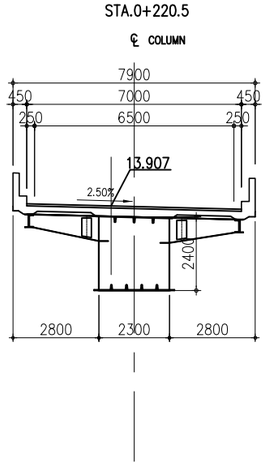
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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

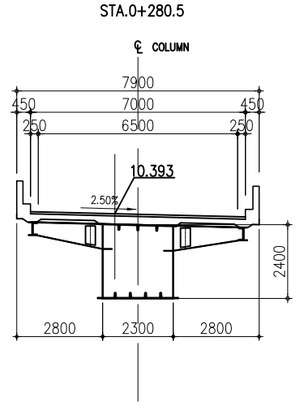
SCALE 1:500



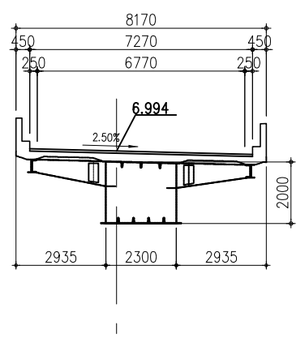
PJ–P1 SCALE 1:100
STA.0+220.5



PJ–P2 SCALE 1:100
STA.0+280.5



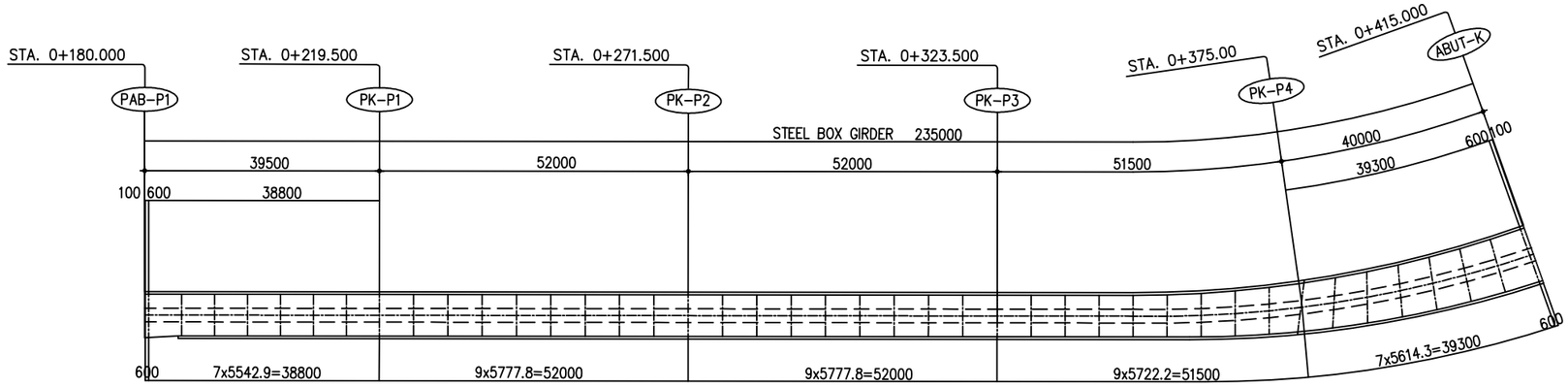
PJ–ABUT–J SCALE 1:100
STA.0+333.0



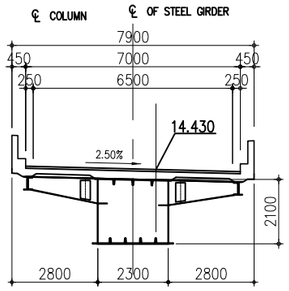
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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

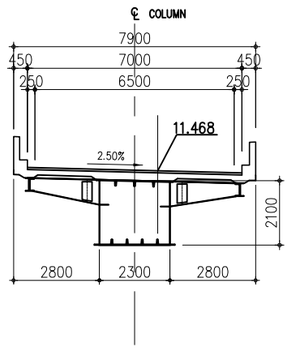
SCALE 1:500



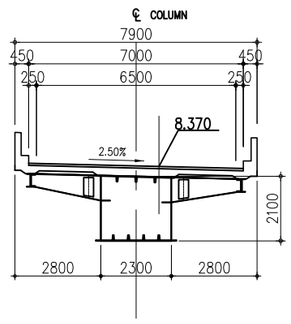
PK–P1 SCALE 1:100
STA.0+219.5



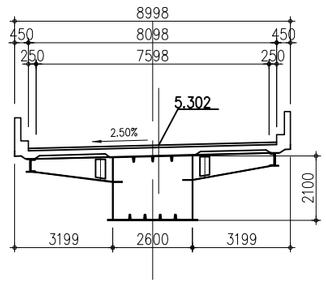
PK–P2 SCALE 1:100
STA.0+271.5



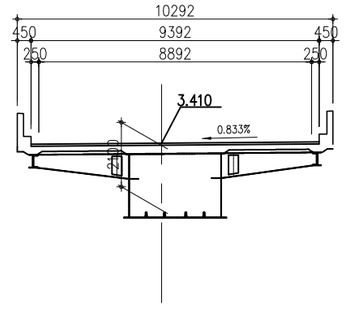
PK–P3 SCALE 1:100
STA.0+323.5



PK–P4 SCALE 1:100
STA.0+375.0



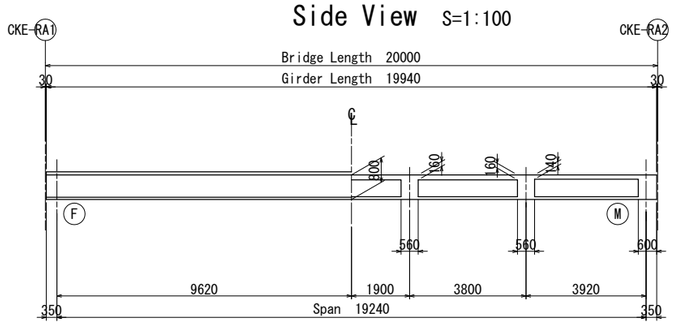
PK–ABUT–K SCALE 1:100
STA.0+333.0



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

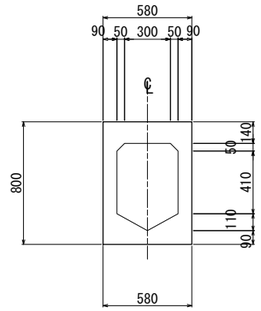
Superstructure General Drawing

Side View S=1:100

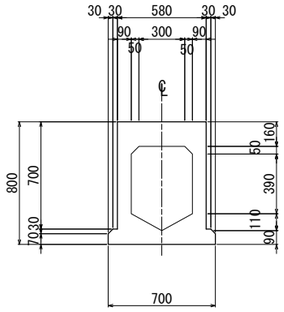


Main Girder S=1:20

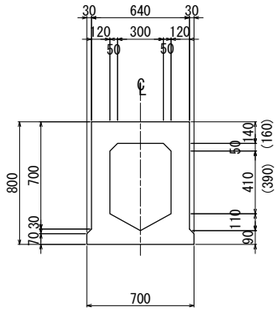
Bearing Section



Transverse Girder Section

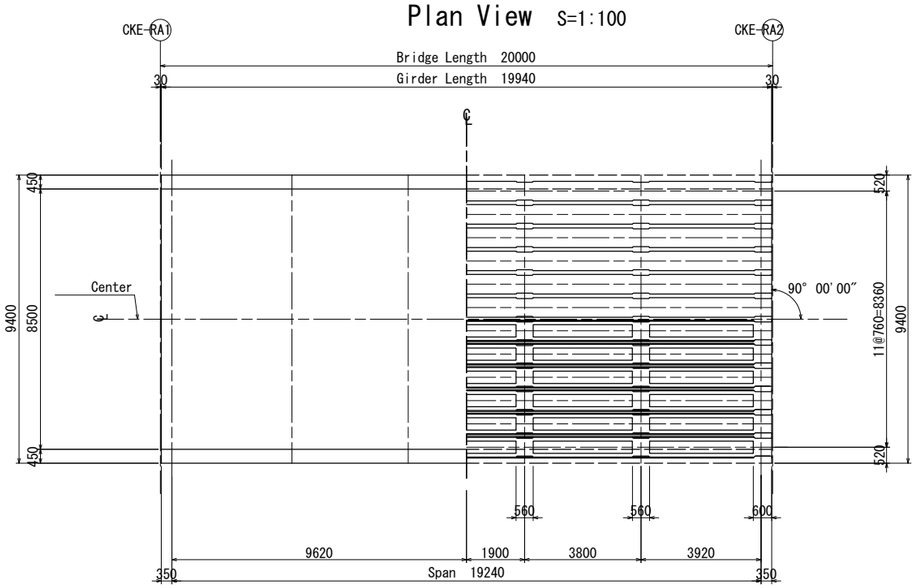


Typical Section

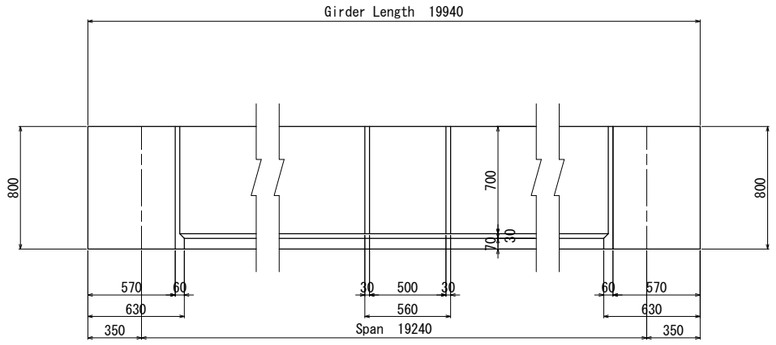


*( )Value of span centre section

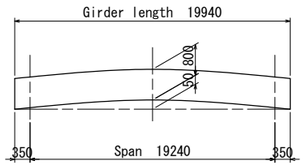
Plan View S=1:100



Transverse Girder S=1:20

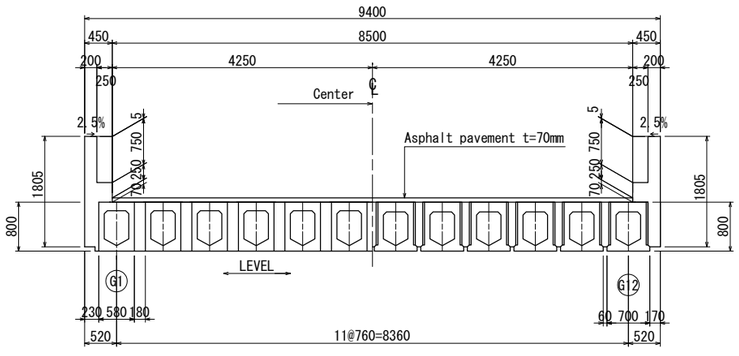


Camber



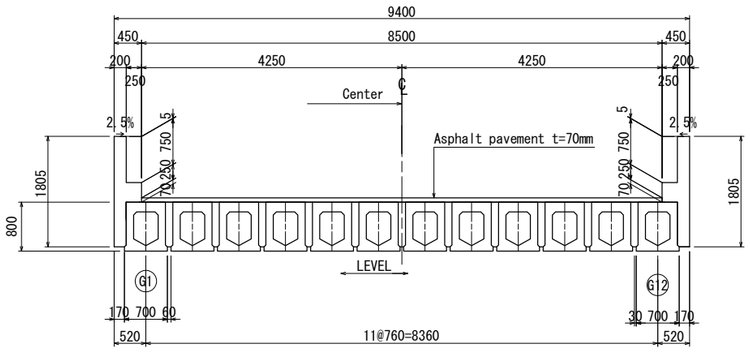
Cross Section S=1:50

Girder-end Section



Transverse Girder Section

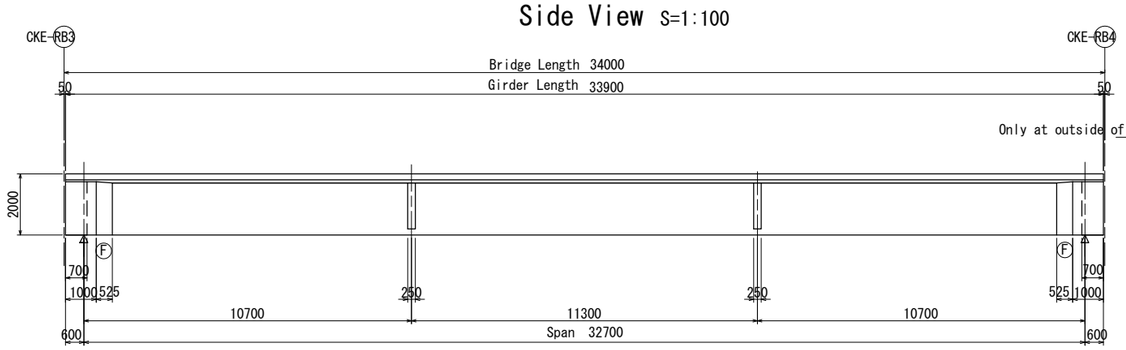
Middle Section



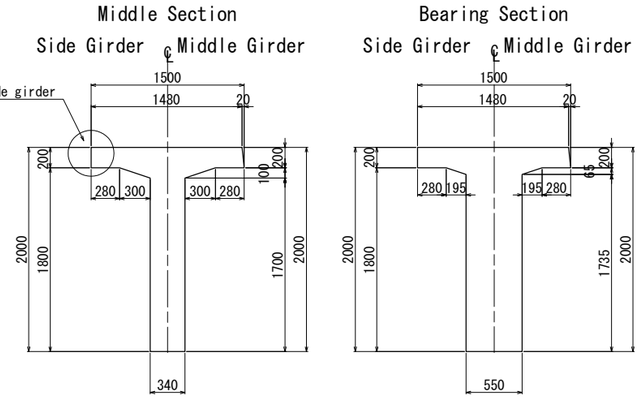
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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

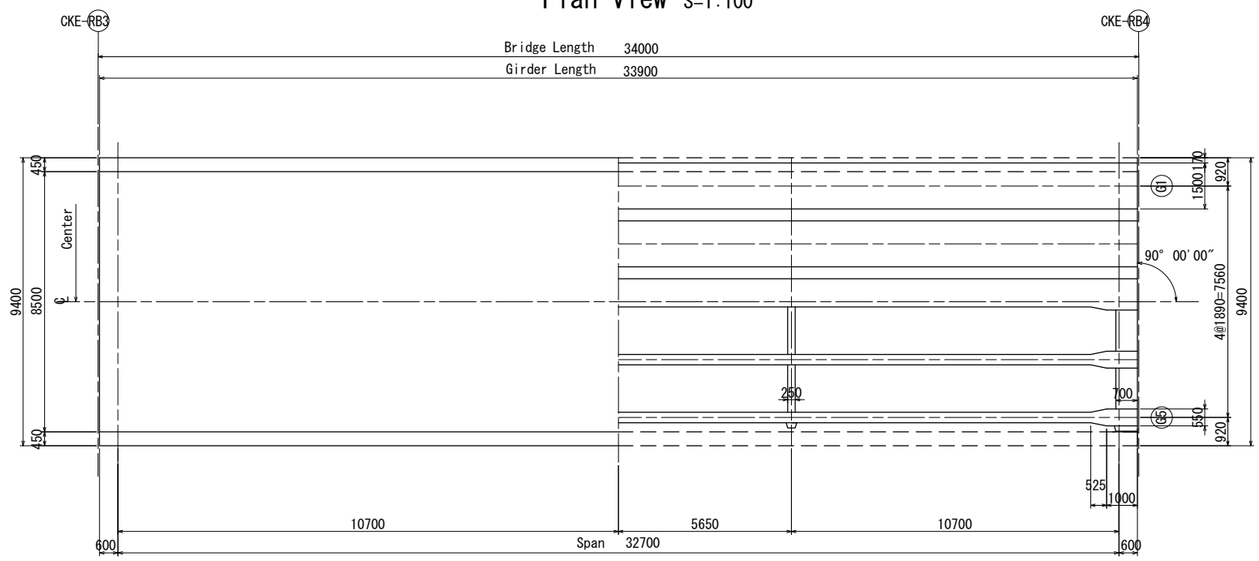
Side View S=1:100



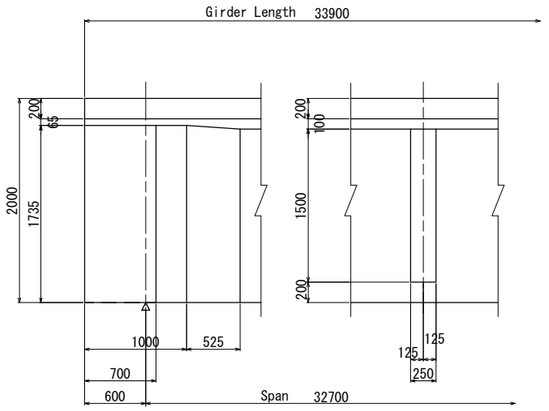
Main Girder S=1:30



Plan View S=1:100

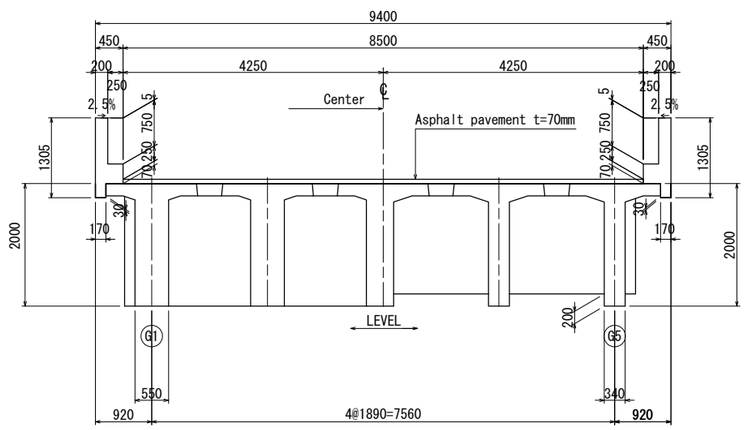


Transverse Girder S=1:30

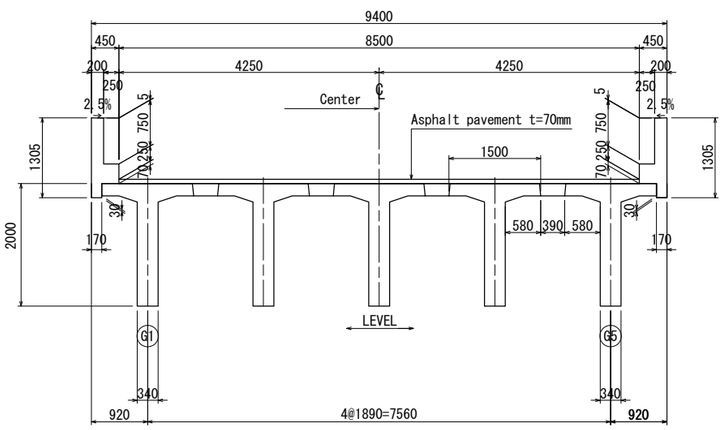


Cross Section S=1:50

End Bearing Section　　Transverse Girder Section

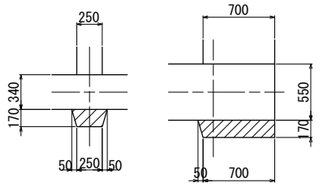


Typical Section



Diaphragm S=1:30

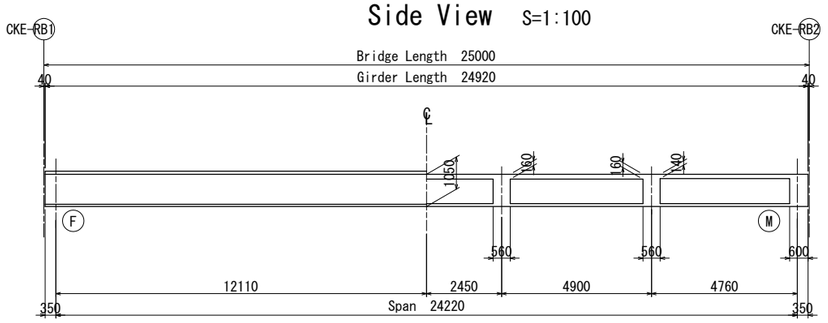
Transverse Girder Section　　End Bearing Section



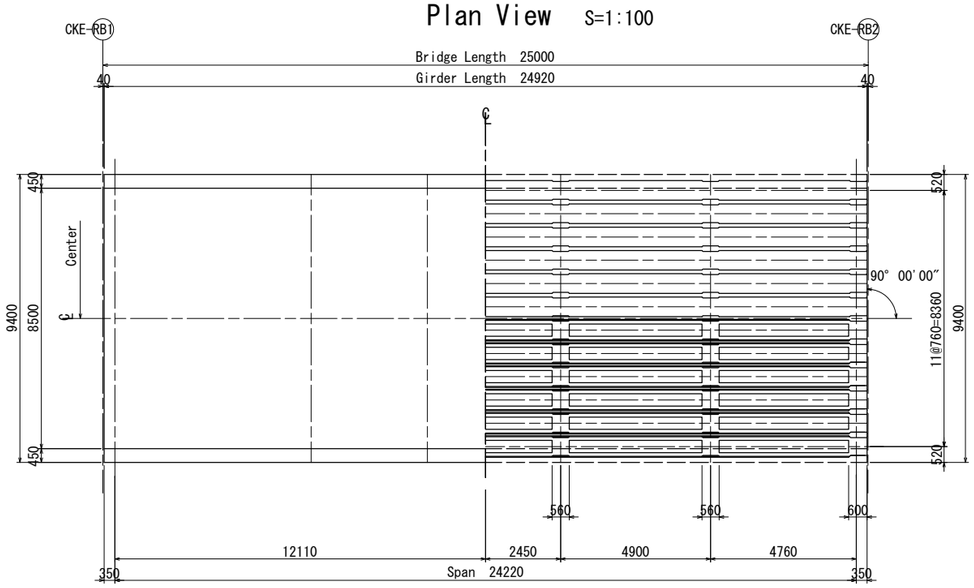
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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

Superstructure General Drawing

Side View S=1:100

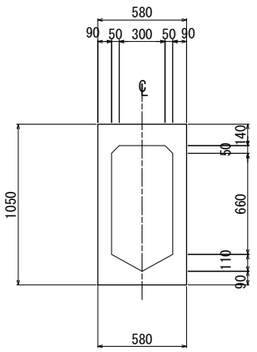


Plan View S=1:100

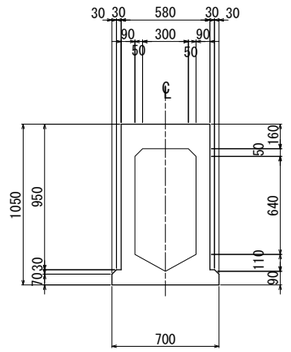


Main Girder S=1:20

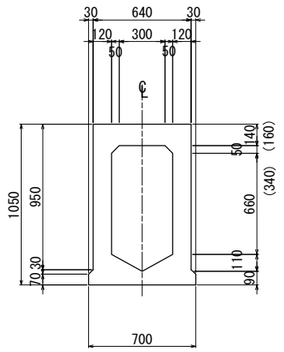
Bearing Section



Transverse Girder Section

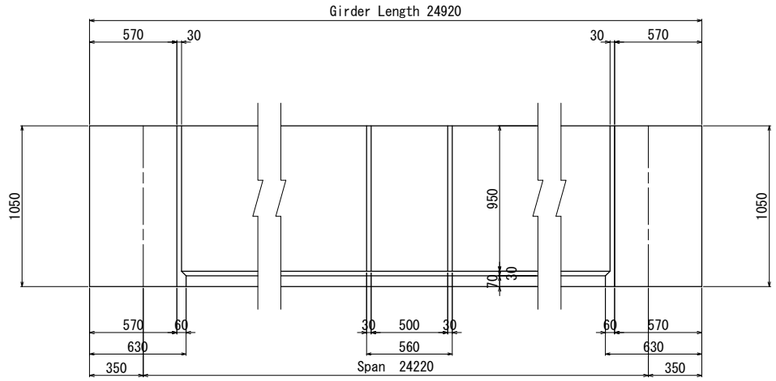


Typical Section

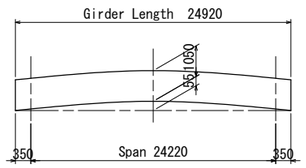


*( )Value at span centre

Transverse Girder S=1:20

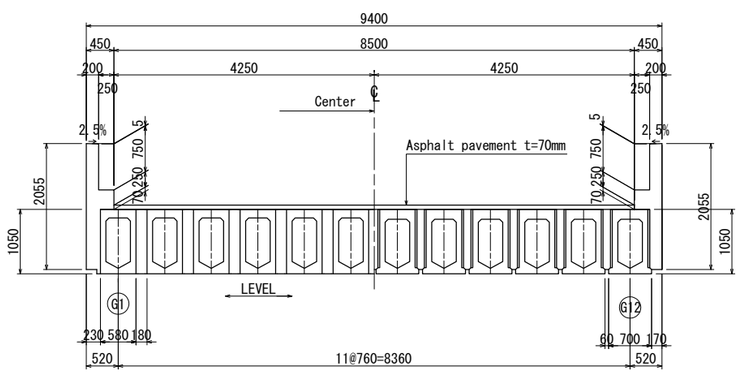


Camber



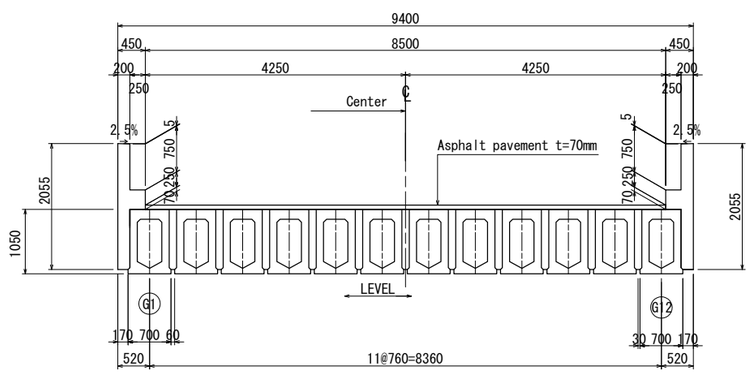
Cross Section S=1:50

Girder-end Section



Transverse Girder Section

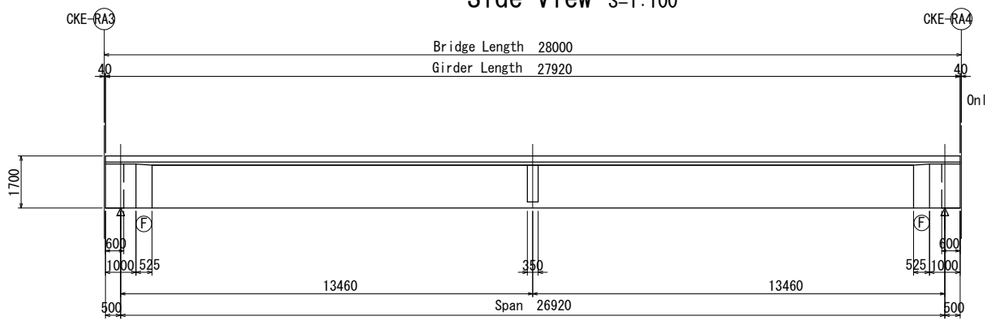
Midde Section



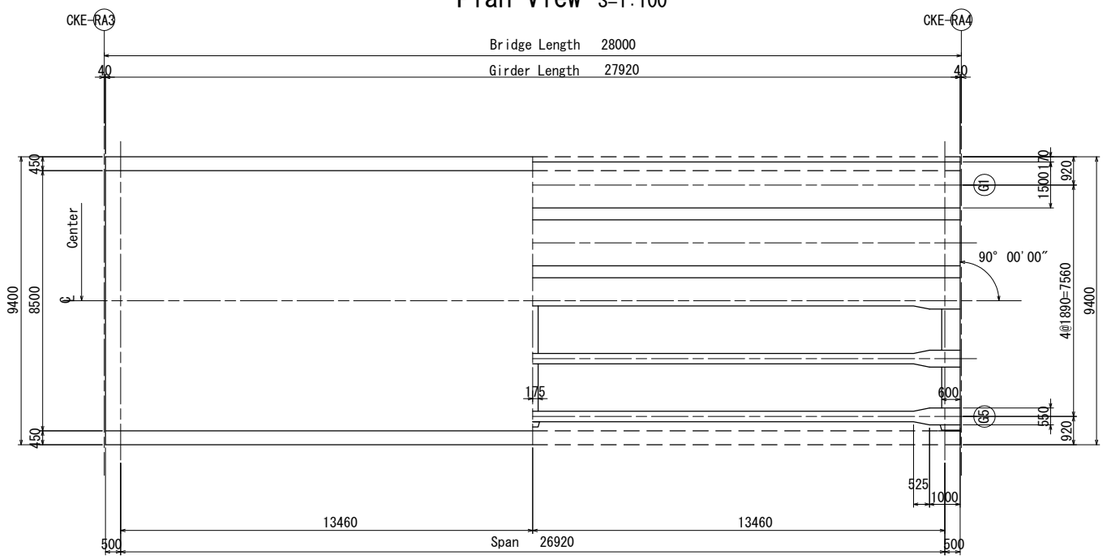
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:	
						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

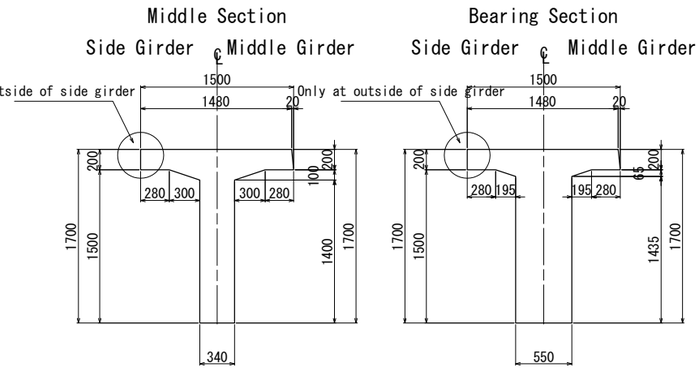
Side View S=1:100



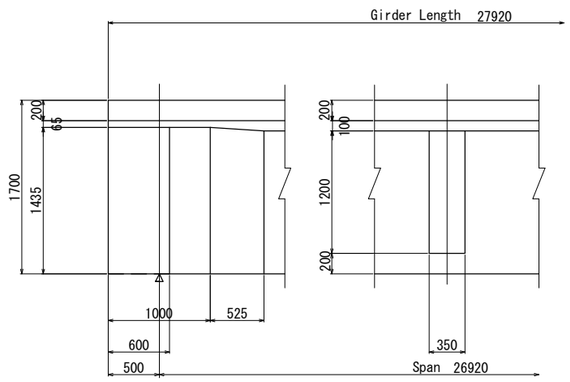
Plan View S=1:100



Main Girder S=1:30

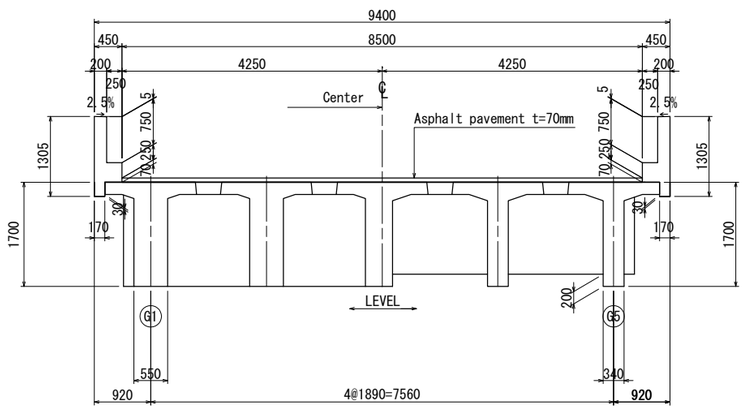


Transverse Girder S=1:30

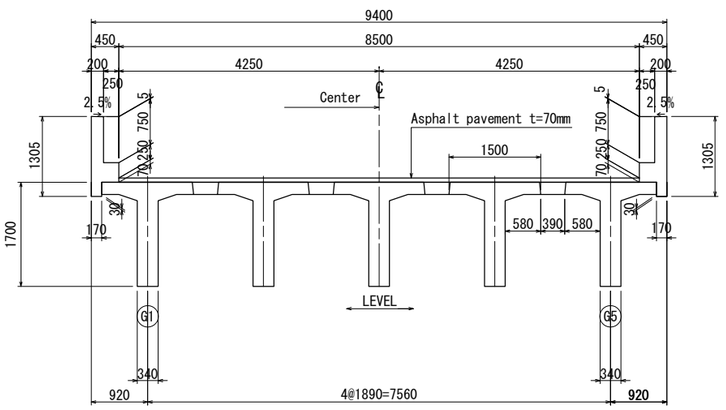


Cross Section S=1:50

Bearing Section



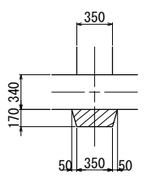
Transverse Girder Section



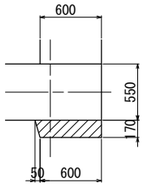
Typical Section

Diaphragm S=1:30

Transverse Girder Section

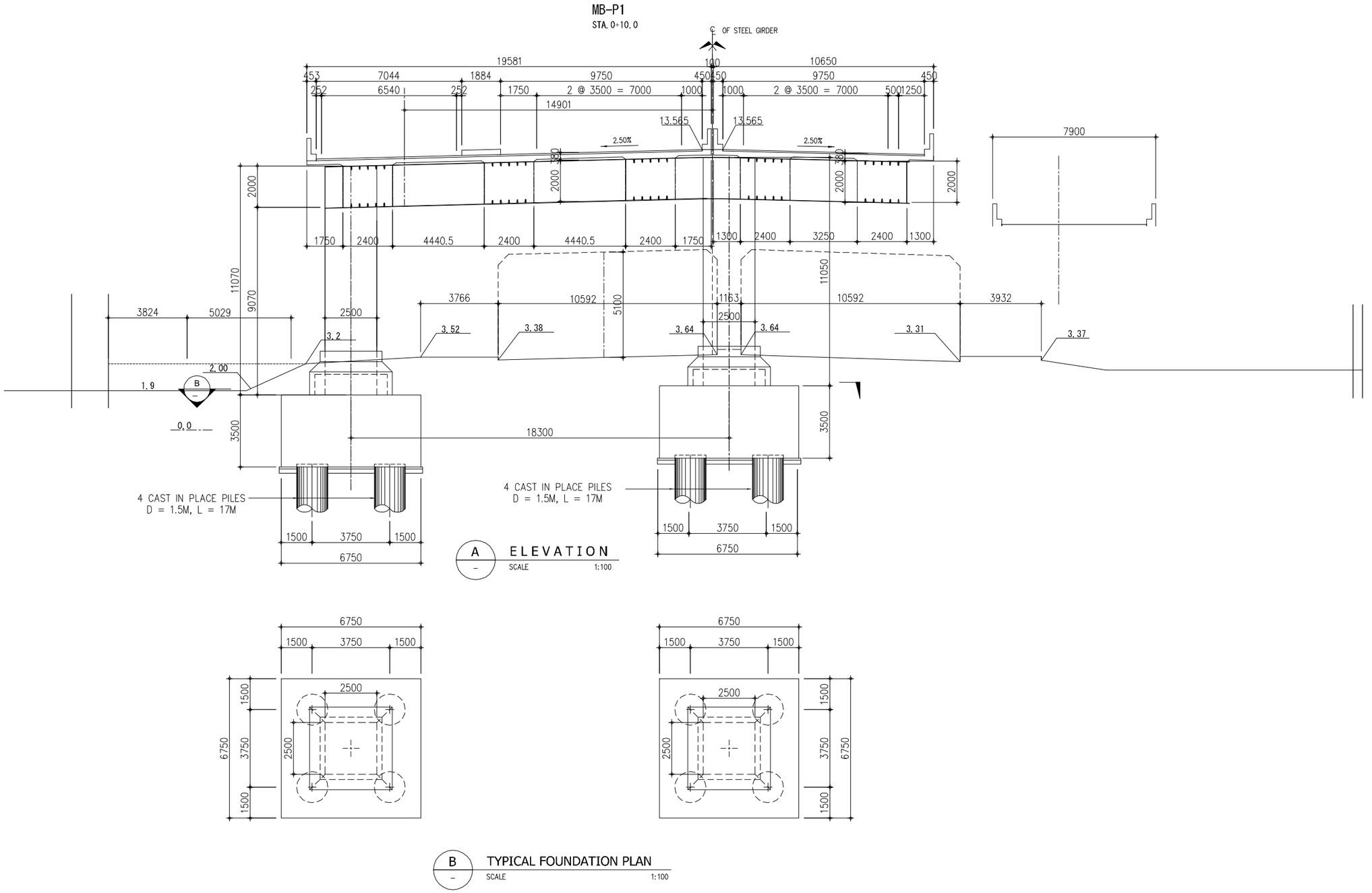


End Bearing Section



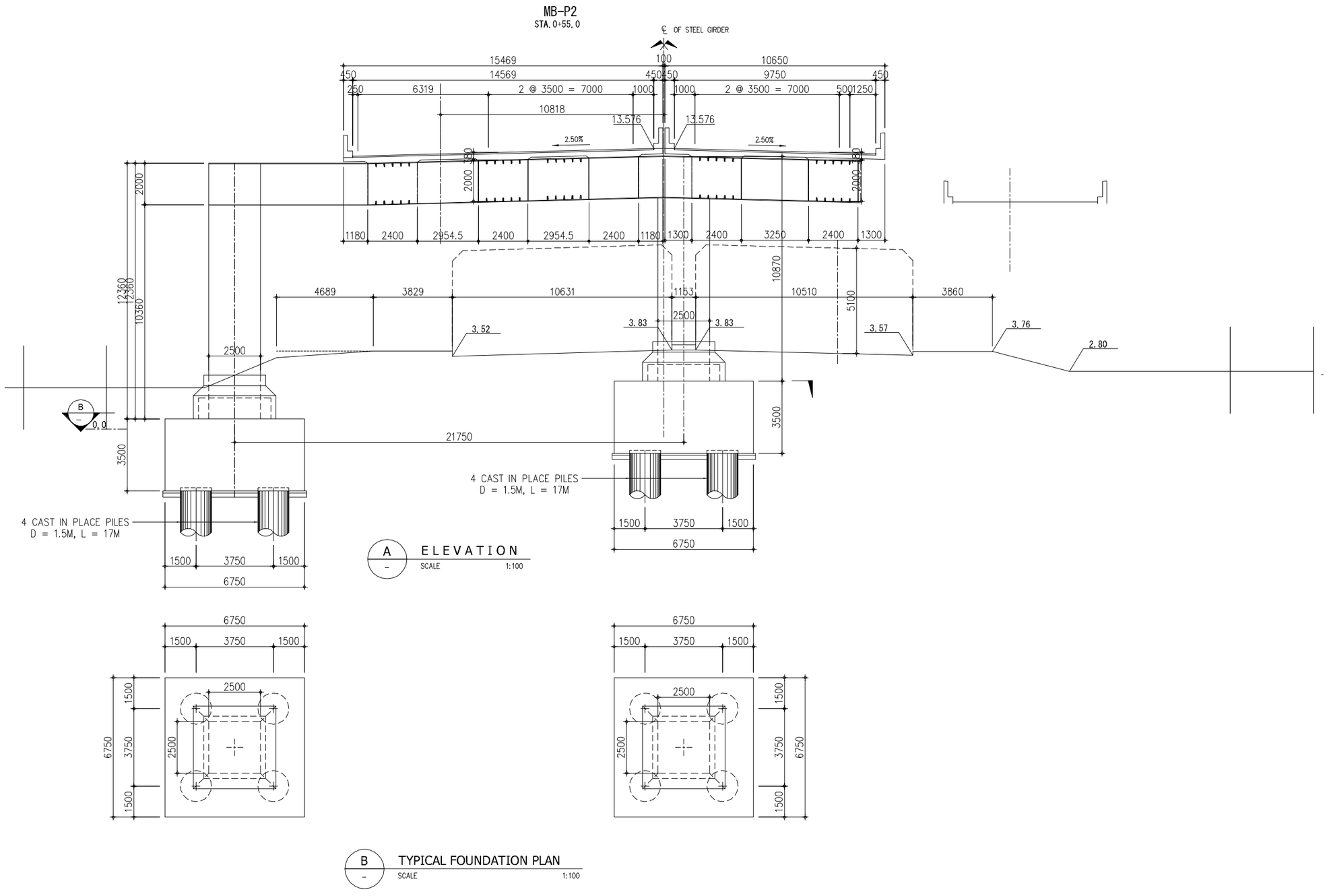
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUPERSTRUCTURE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



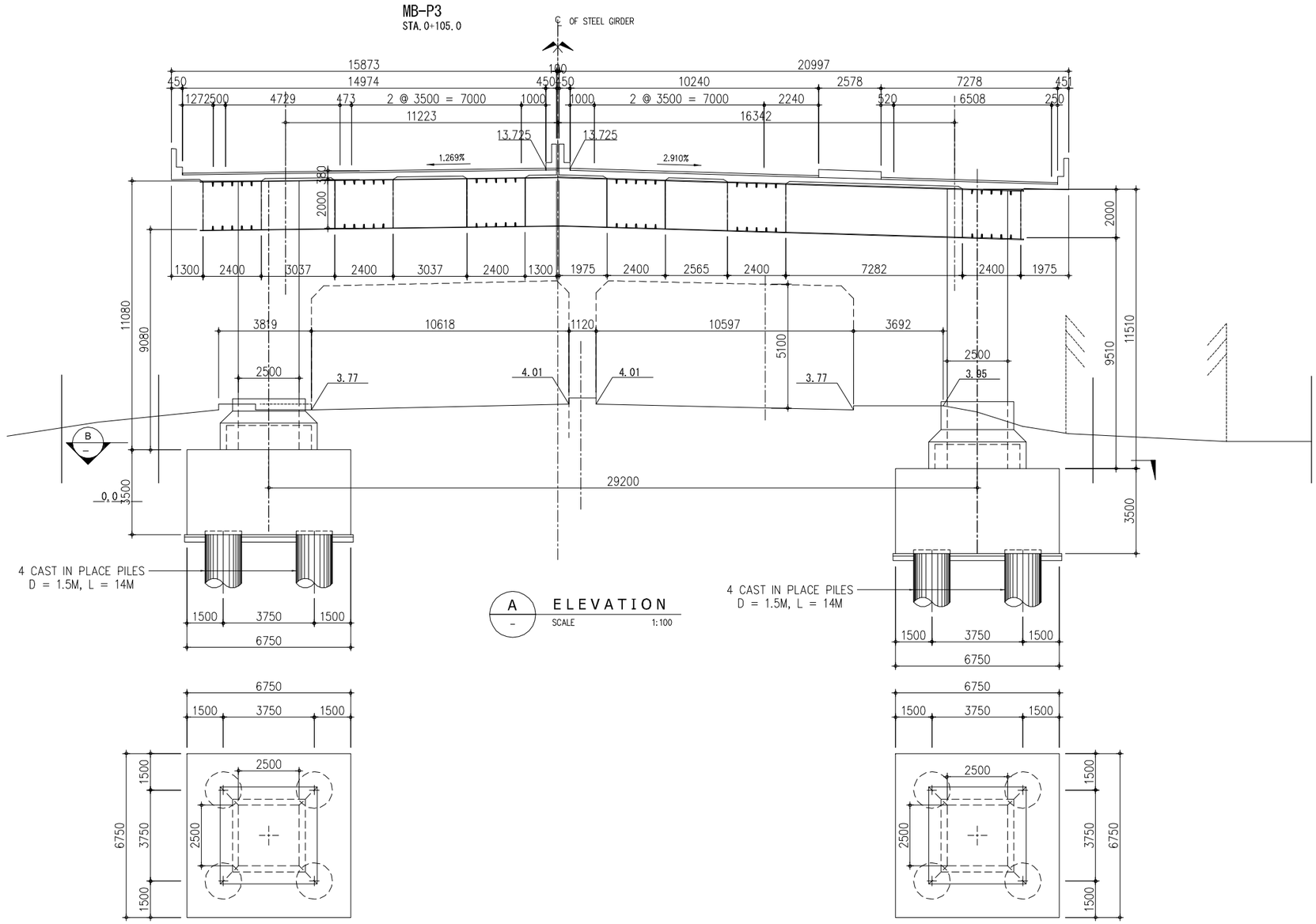
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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

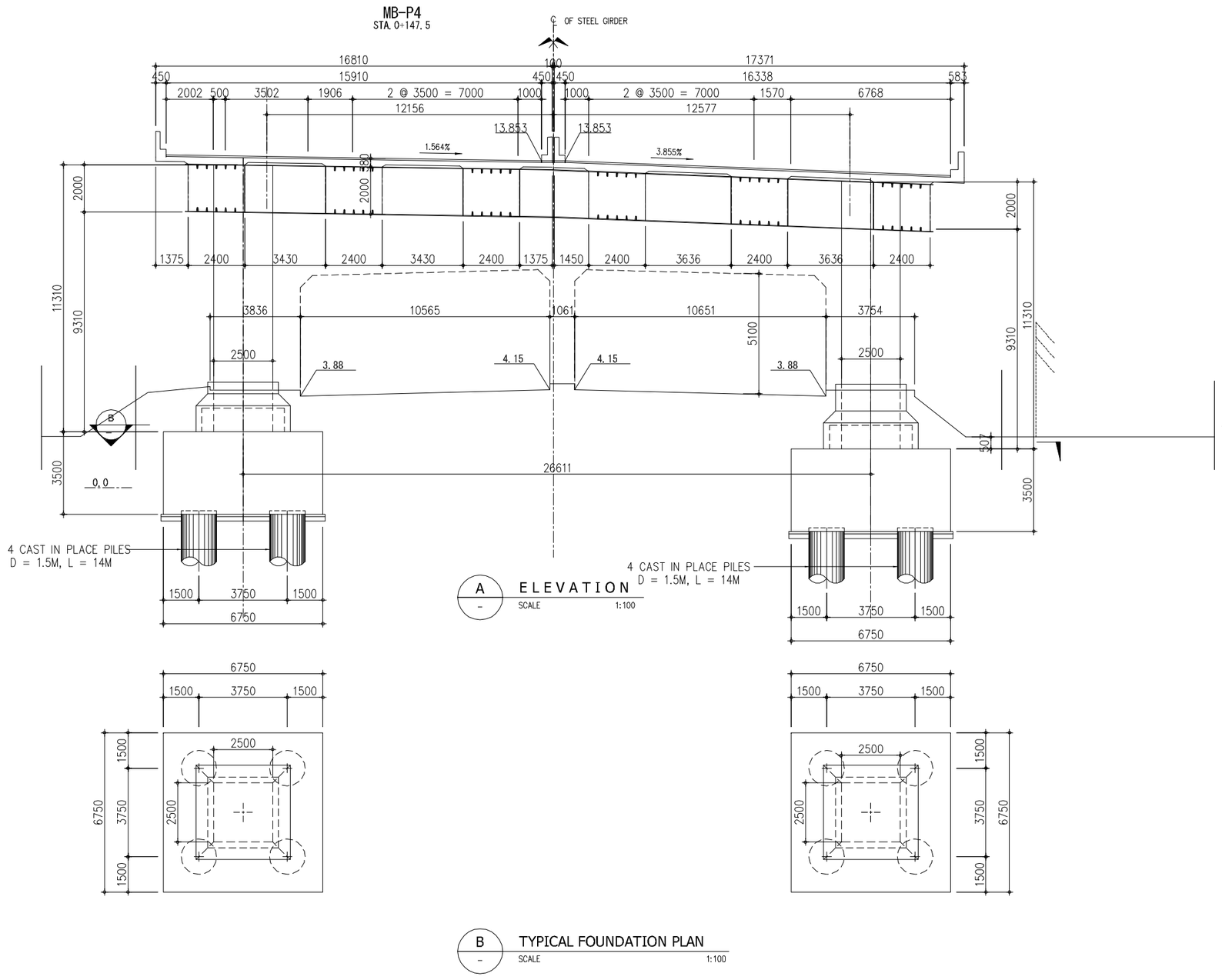


A – ELEVATION
SCALE 1:100

B – TYPICAL FOUNDATION PLAN
SCALE 1:100

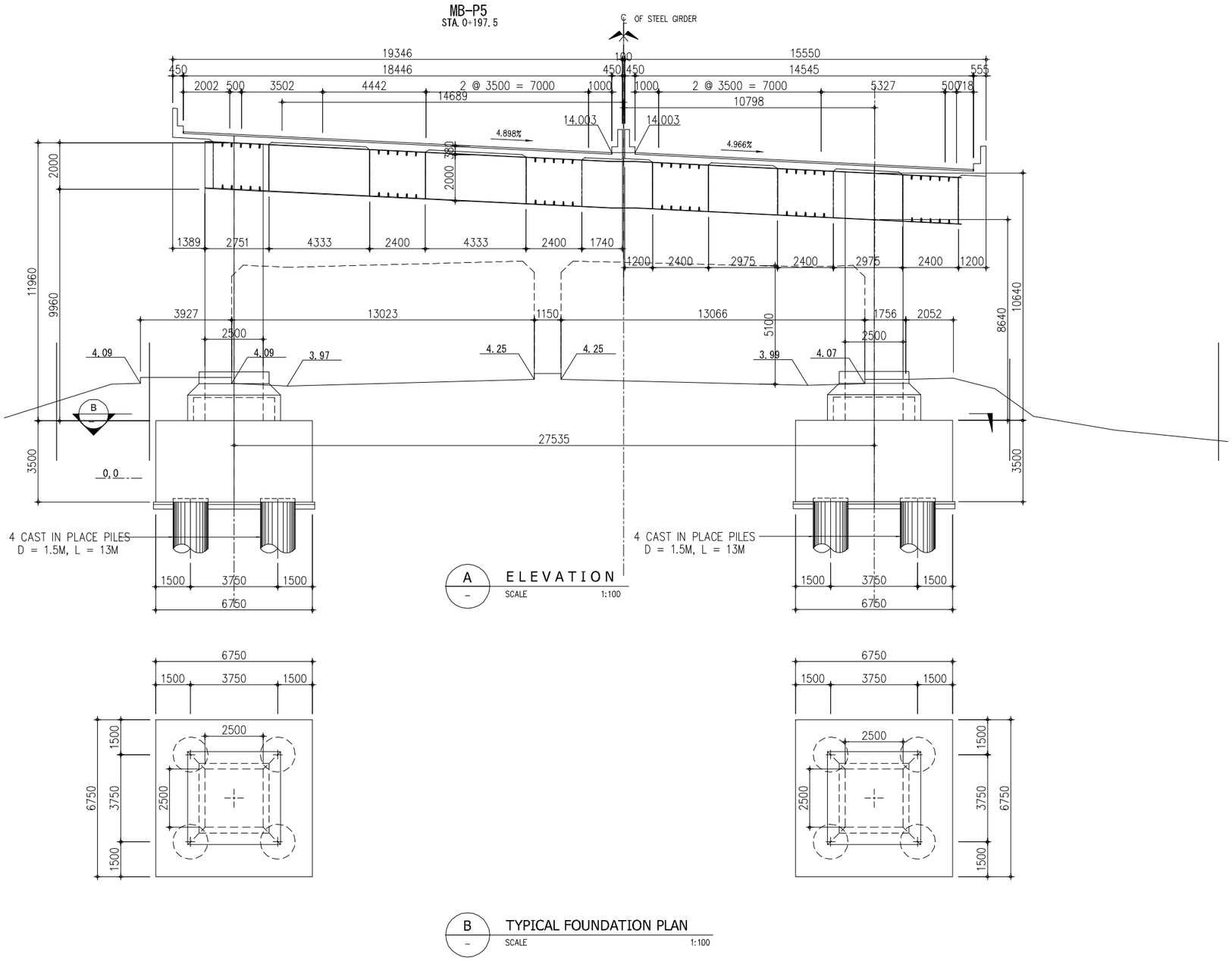
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA **Road Development Authority**	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

SUBSTRUCTURE GENERAL DRAWING
MB-P4



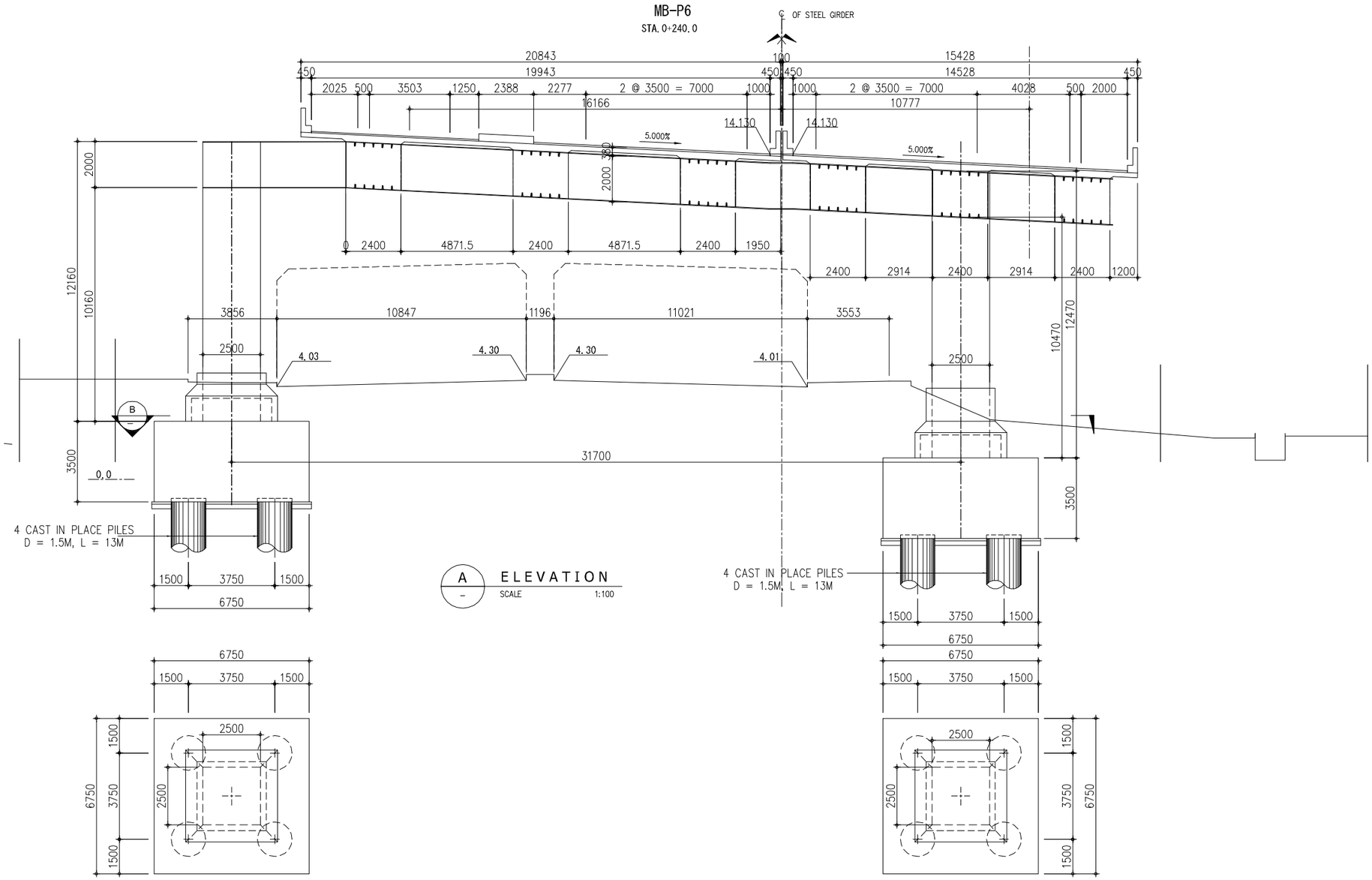
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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



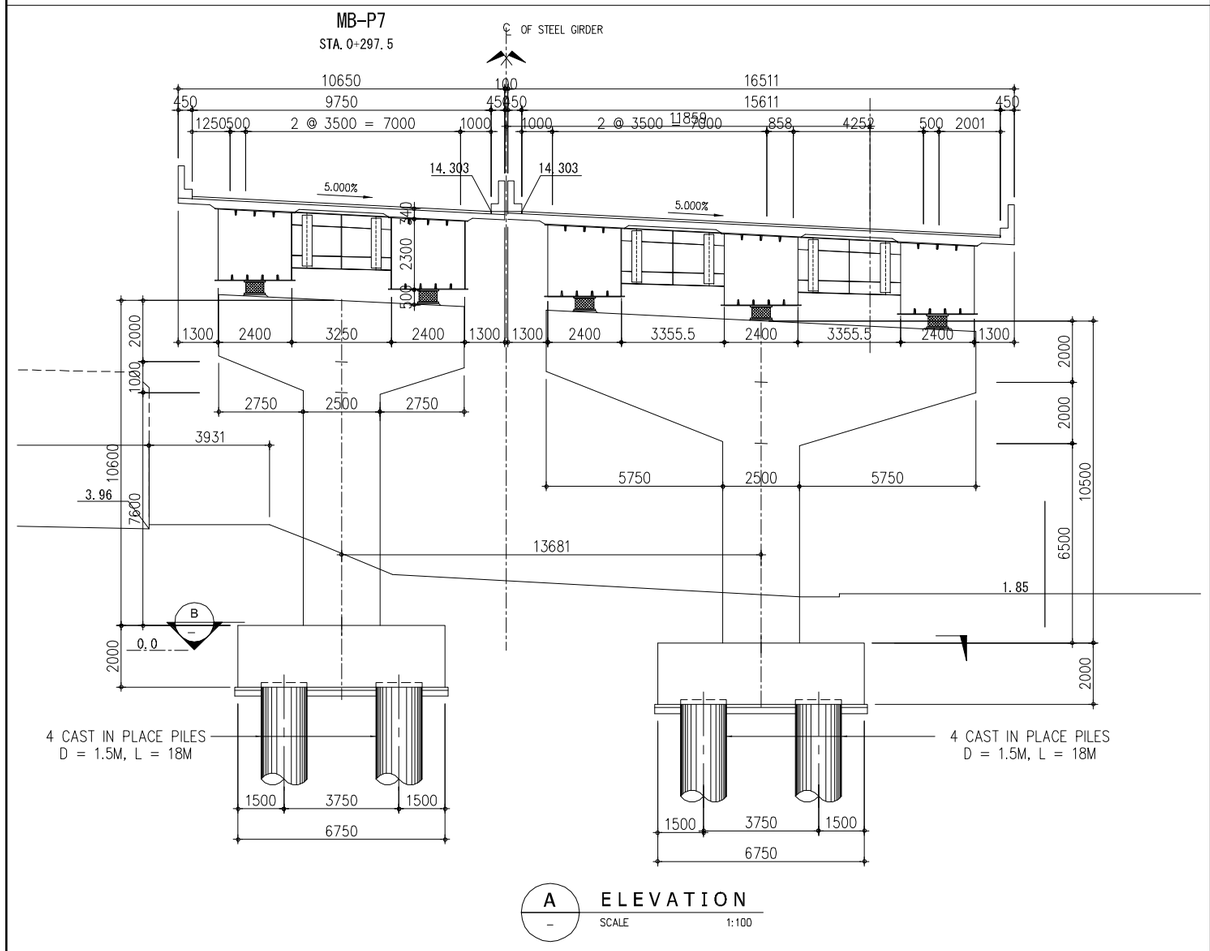
A – ELEVATION
SCALE 1:100

B – TYPICAL FOUNDATION PLAN
SCALE 1:100

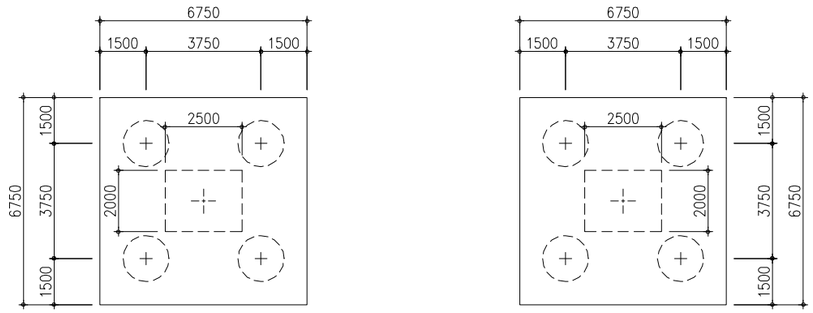
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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

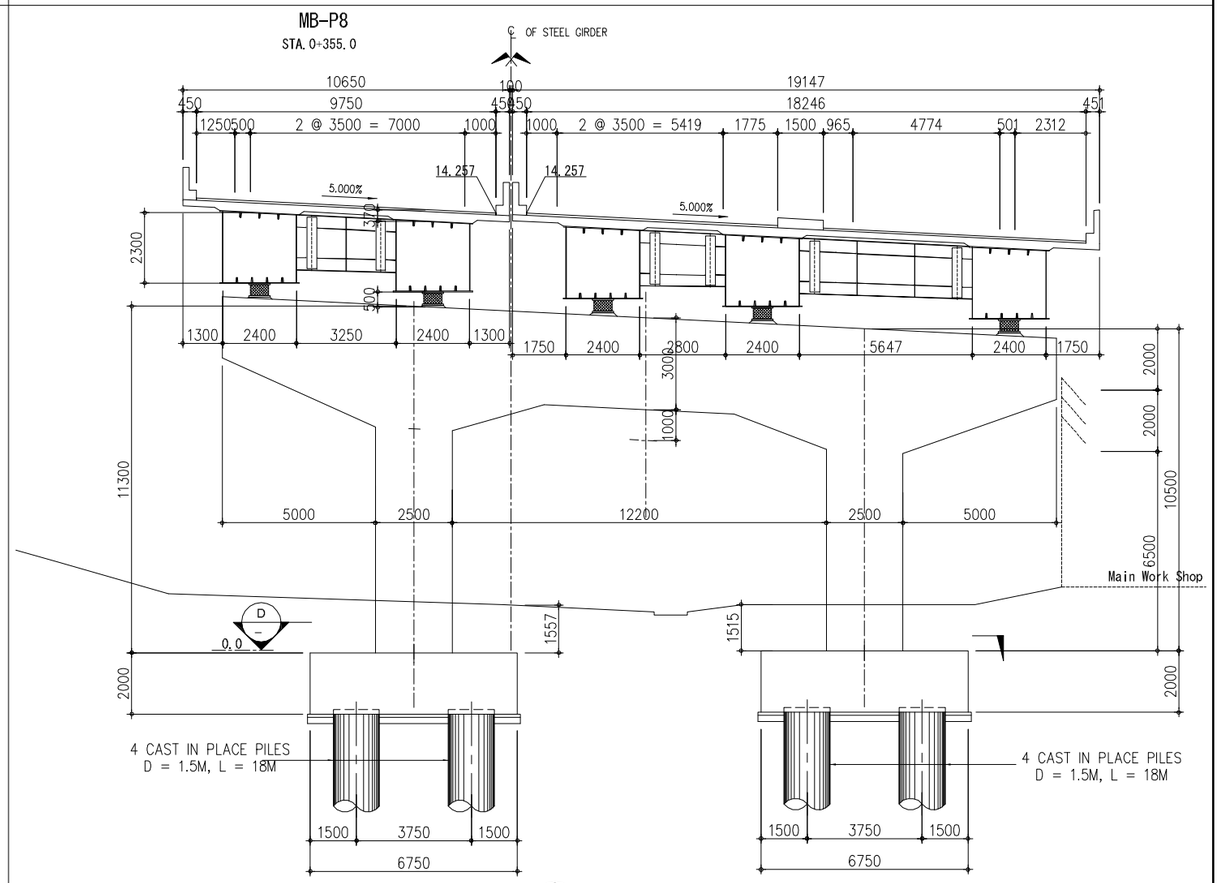


A — ELEVATION
SCALE 1:100

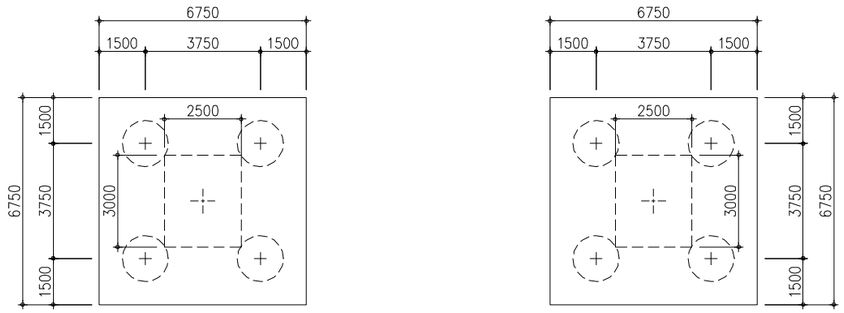


B — TYPICAL FOUNDATION PLAN
SCALE 1:100

MB-P8



C — ELEVATION
SCALE 1:100



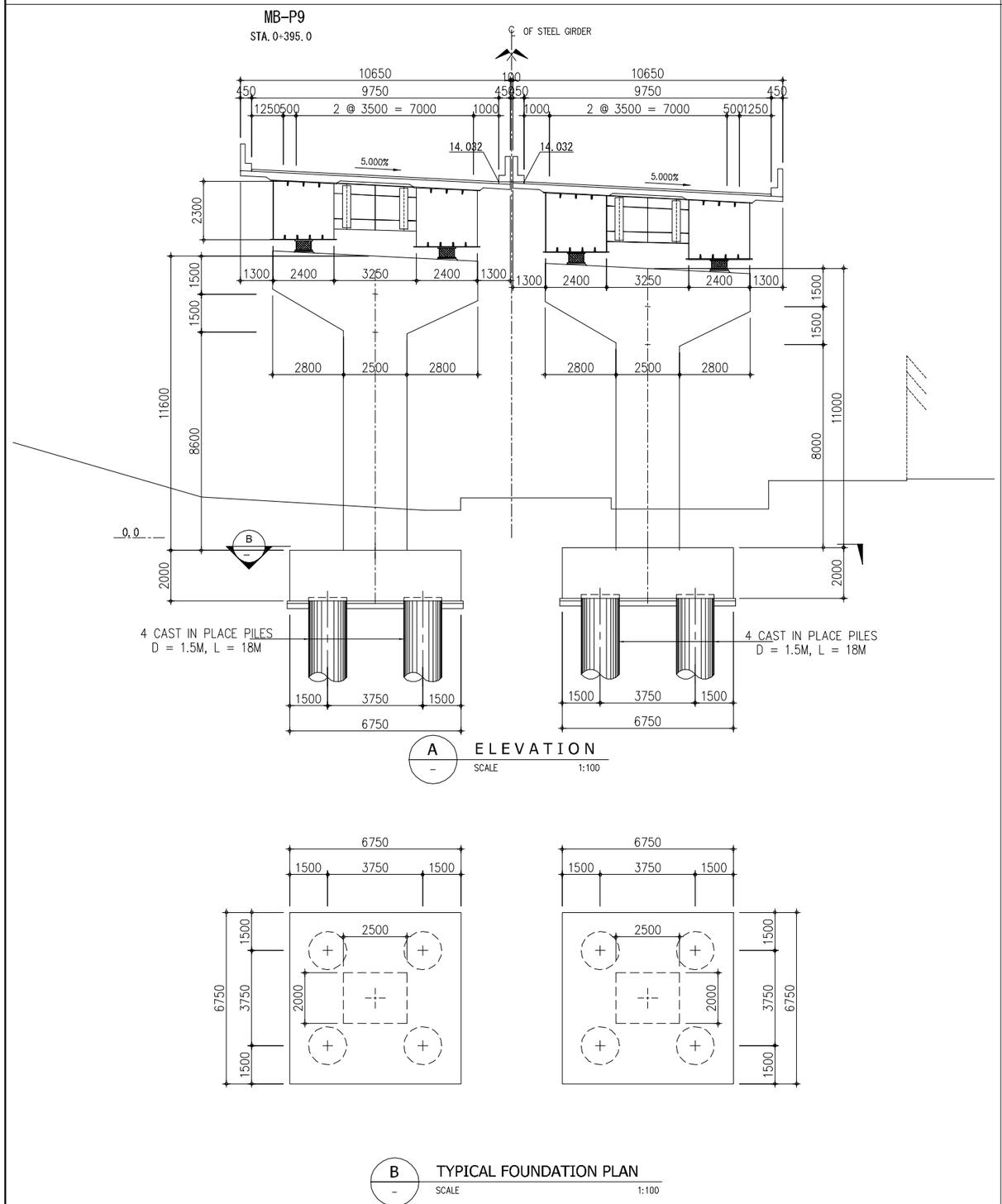
D — TYPICAL FOUNDATION PLAN
SCALE 1:100

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

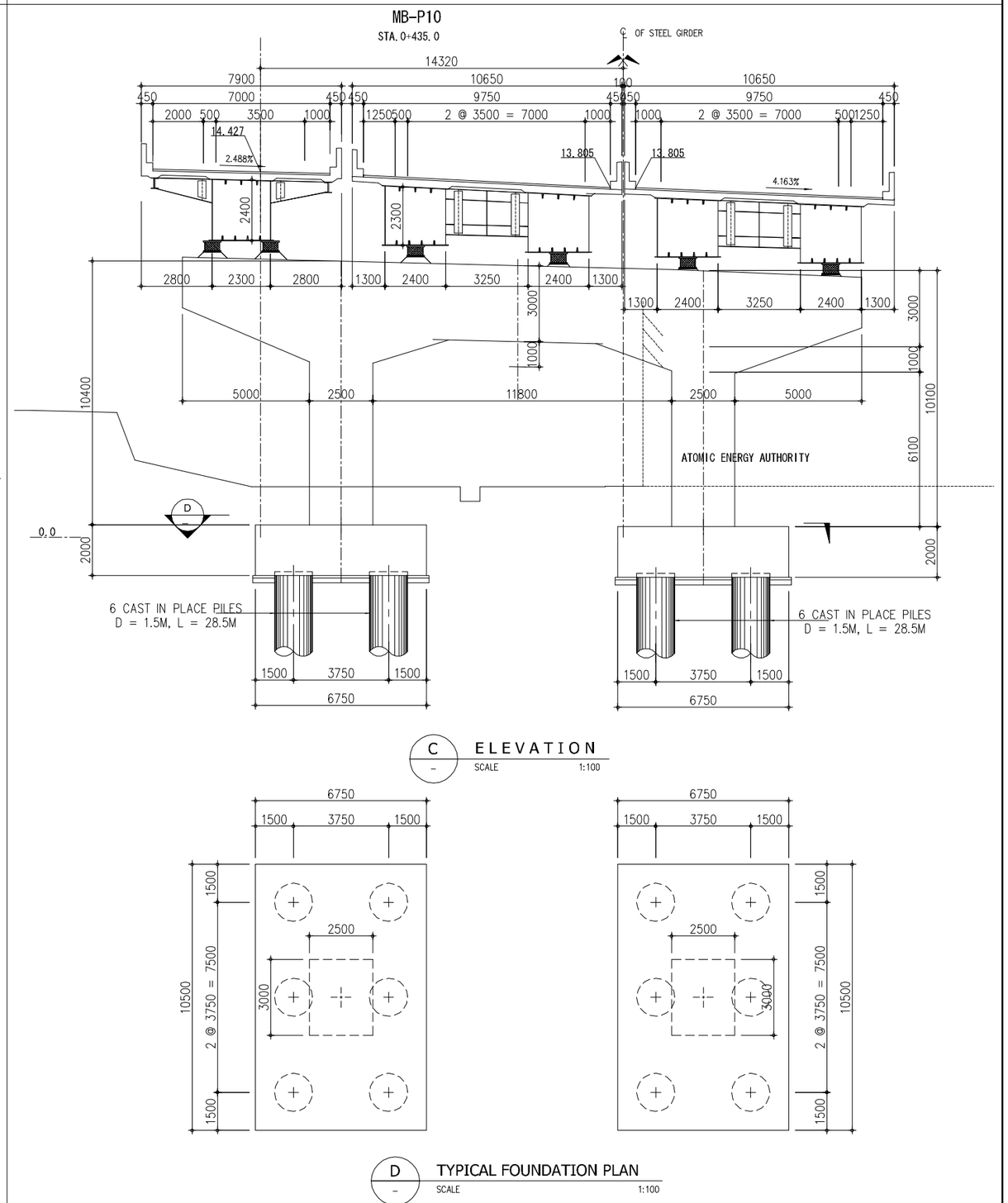
No	REVISION	DATE

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

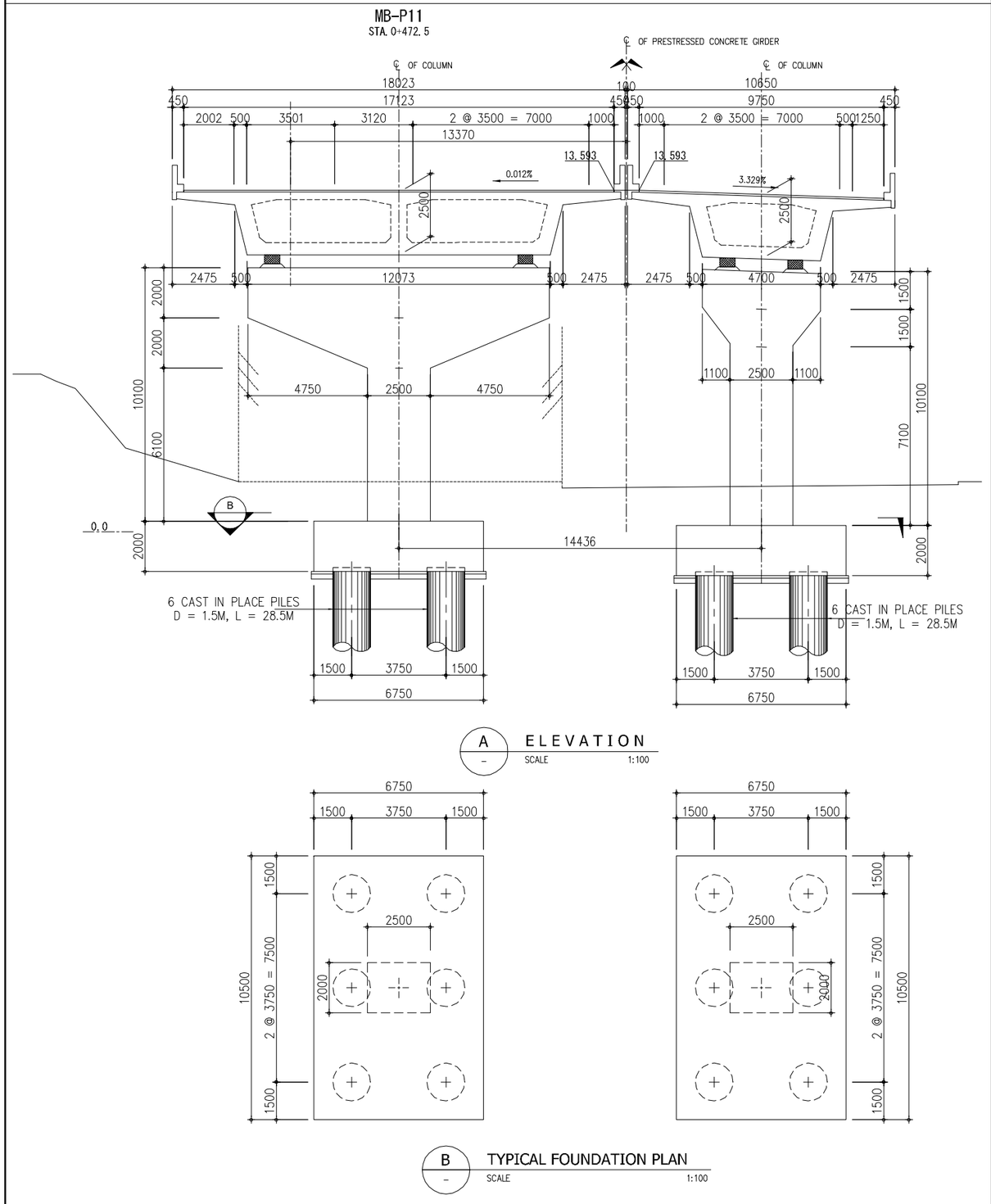
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

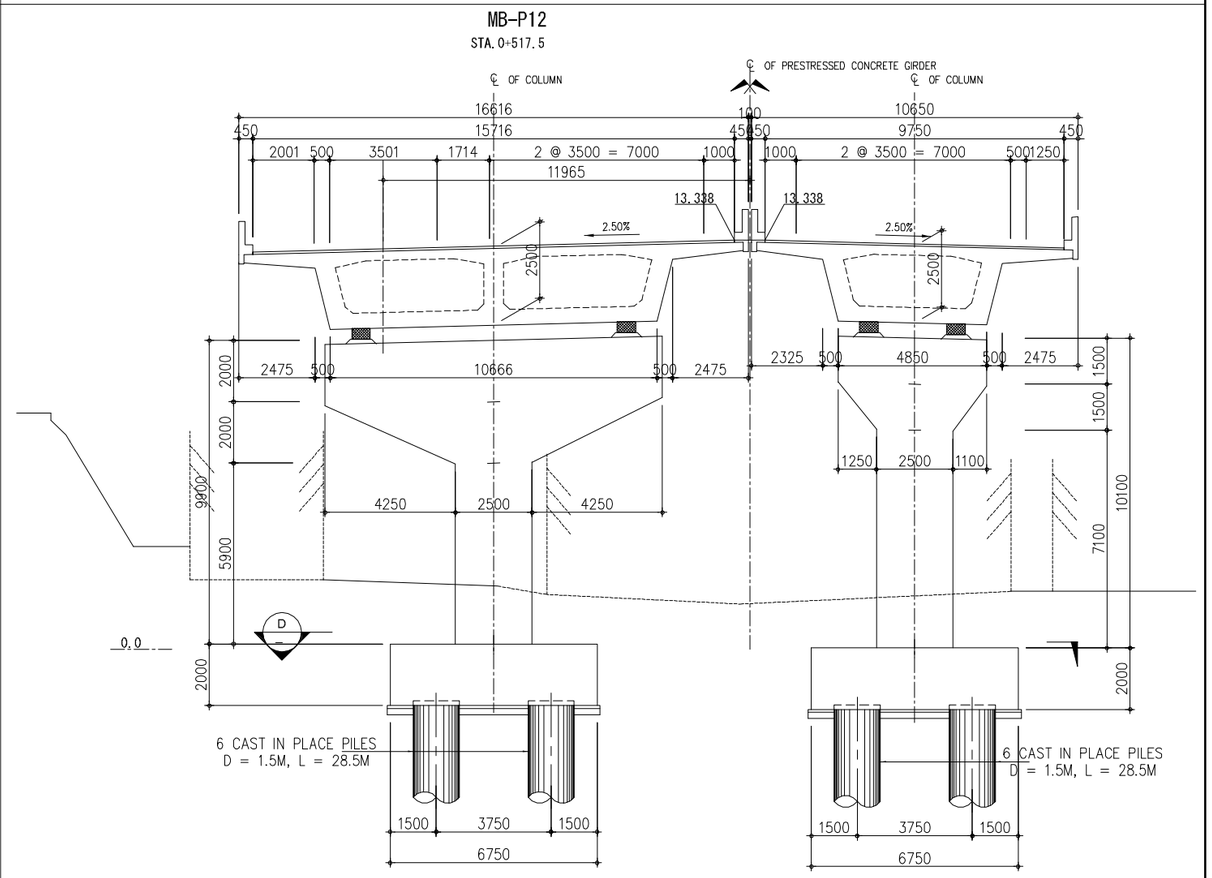
MB-P11



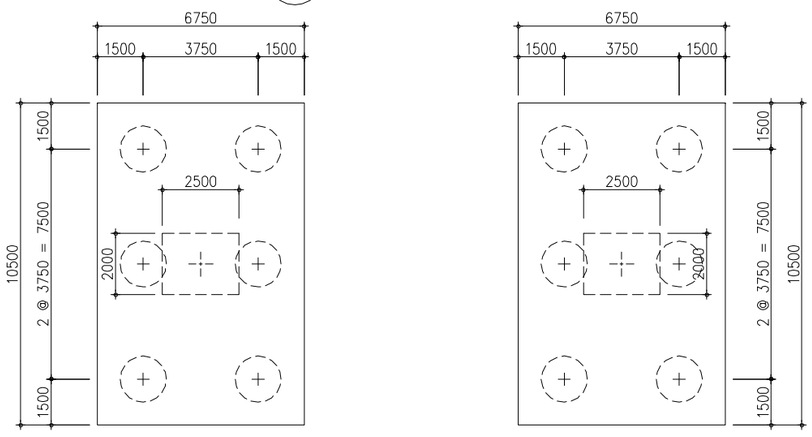
A — ELEVATION
SCALE 1:100

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

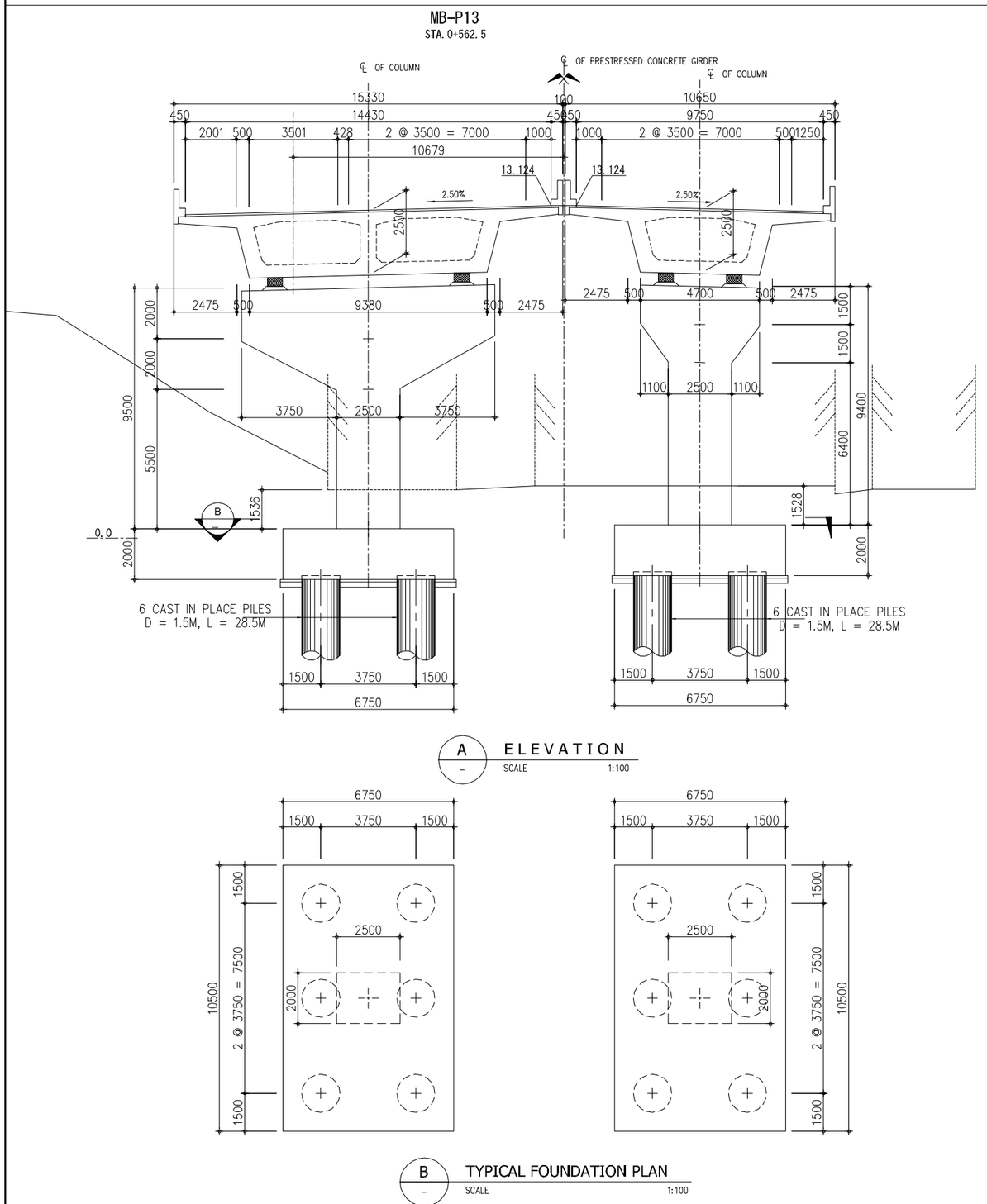
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

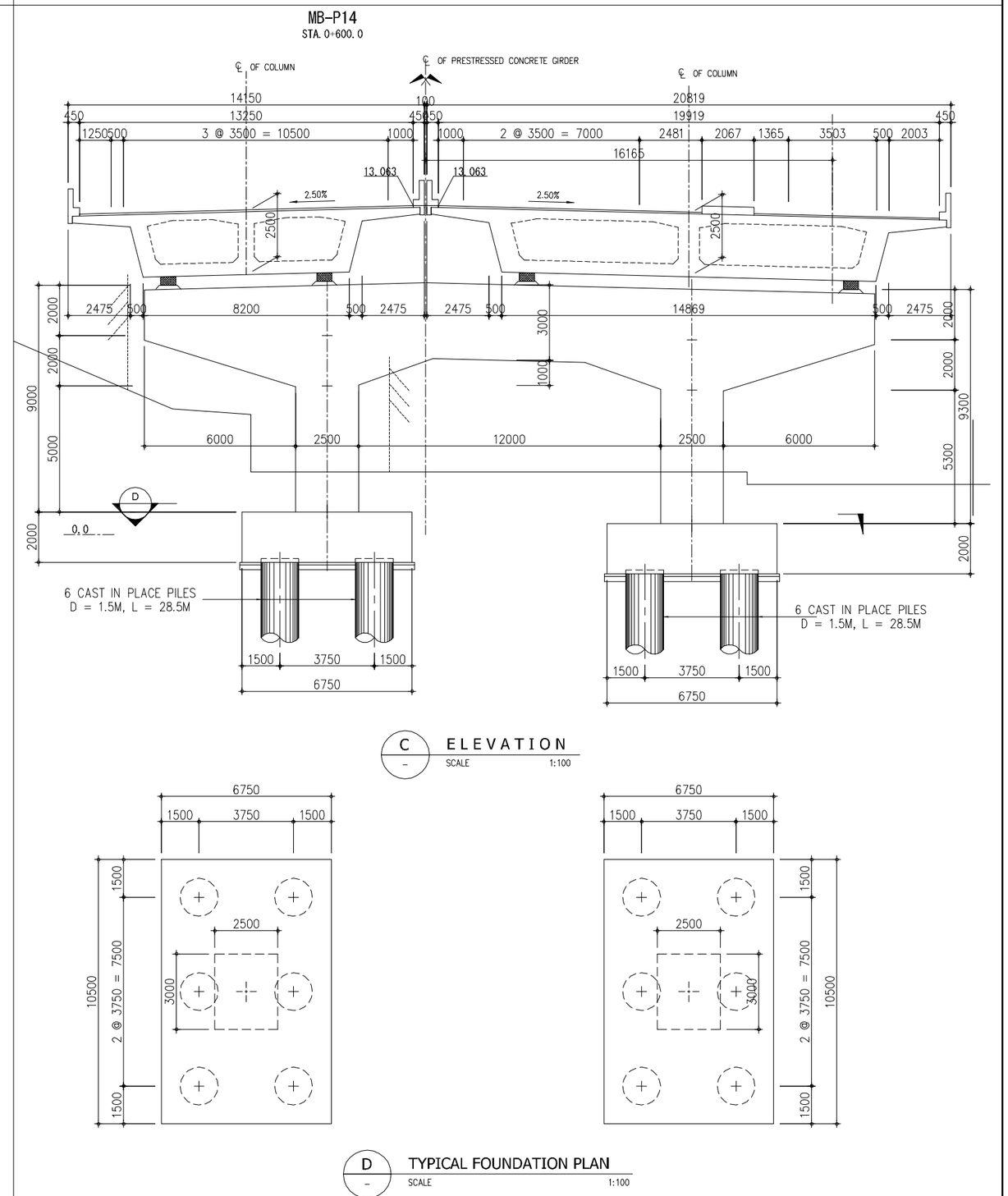
MB-P13



A – ELEVATION
SCALE 1:100

B – TYPICAL FOUNDATION PLAN
SCALE 1:100

MB-P14



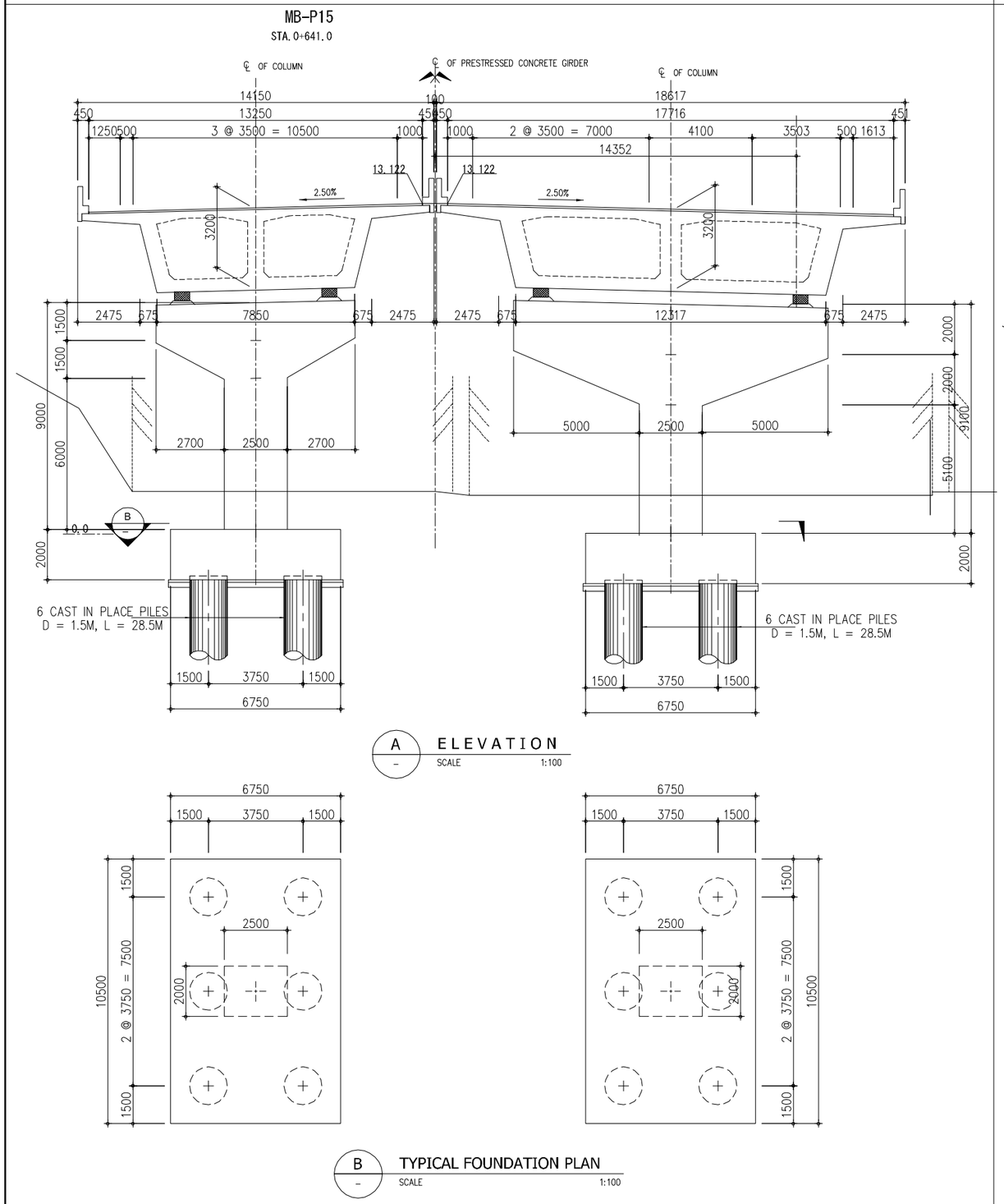
C – ELEVATION
SCALE 1:100

D – TYPICAL FOUNDATION PLAN
SCALE 1:100

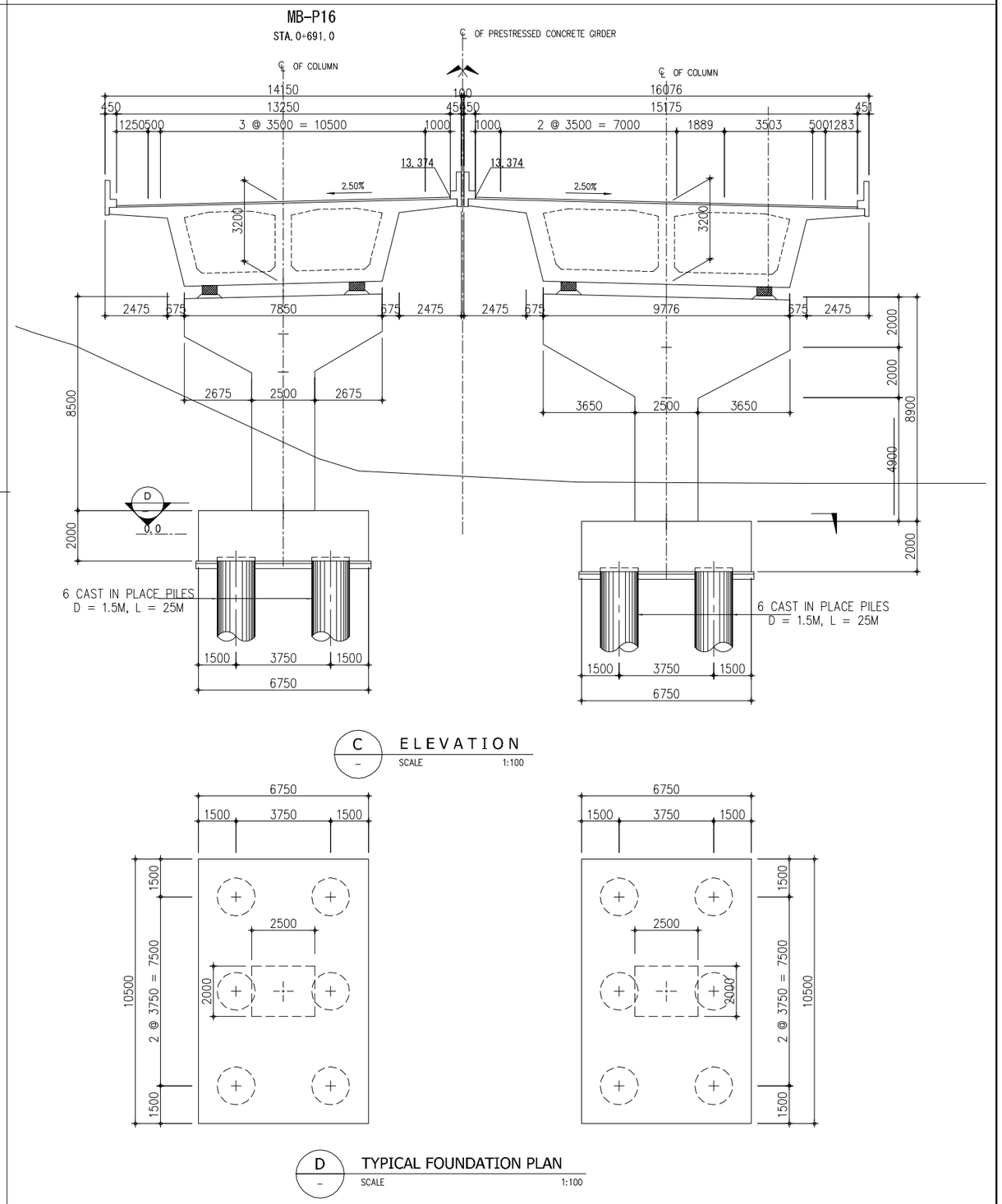
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
			CHECKED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

No	REVISION	DATE

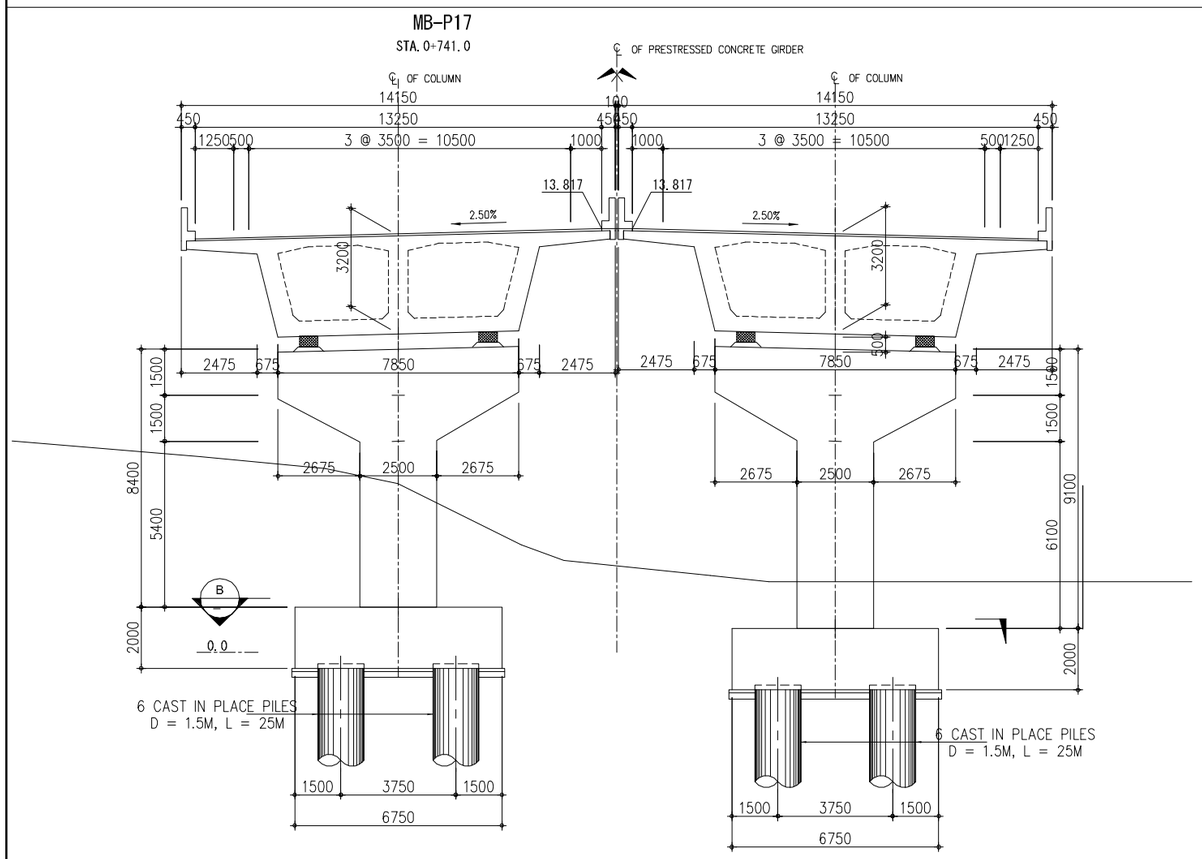
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
MAIN LINE PC BOX GIRDER
MBP15-MBP18(1/2)

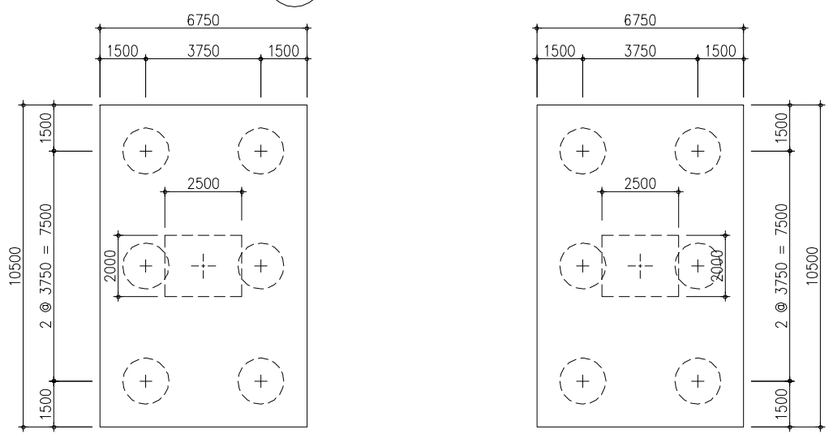
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-53

SUBSTRUCTURE GENERAL DRAWING

MB-P17

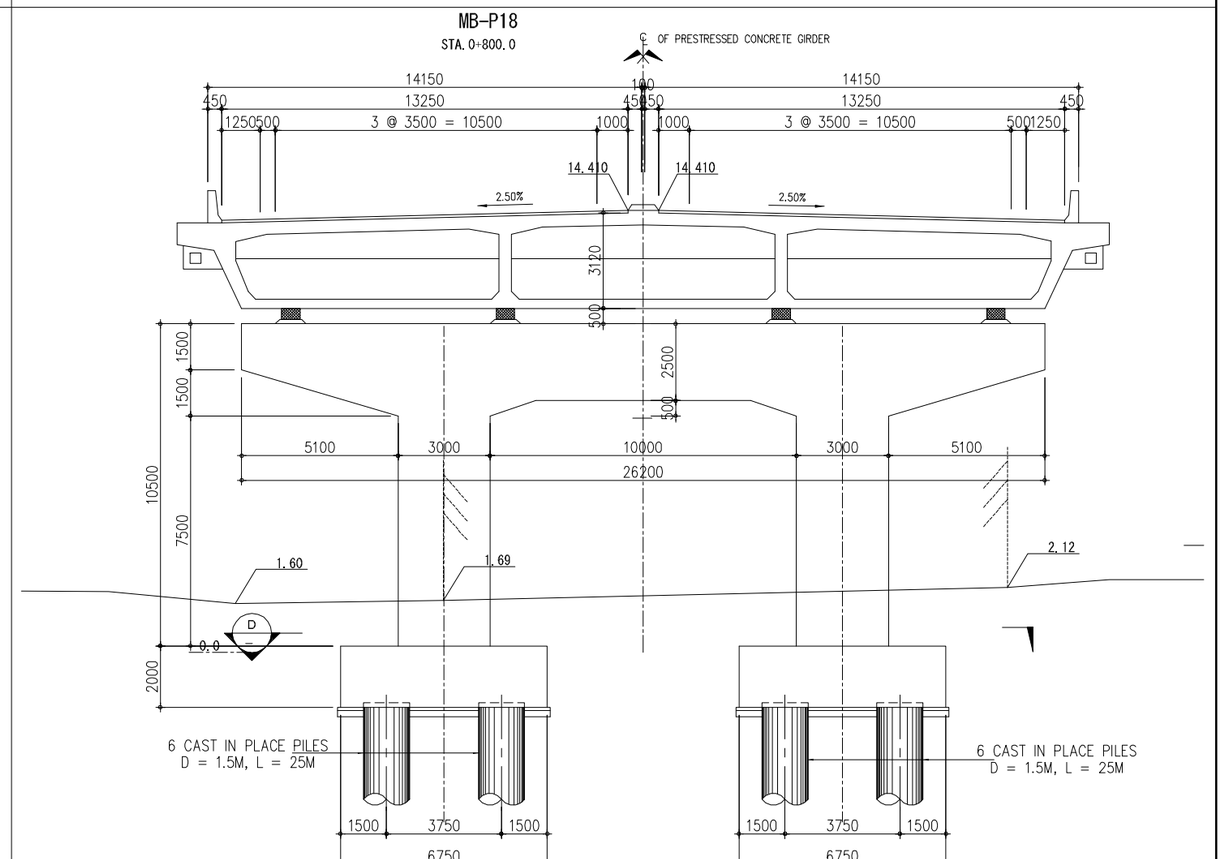


A — ELEVATION
SCALE 1:100

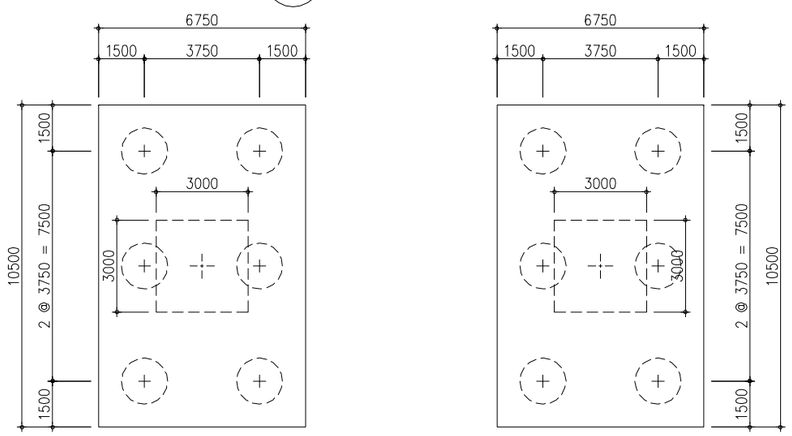


B — TYPICAL FOUNDATION PLAN
SCALE 1:100

MB-P18



C — ELEVATION
SCALE 1:100



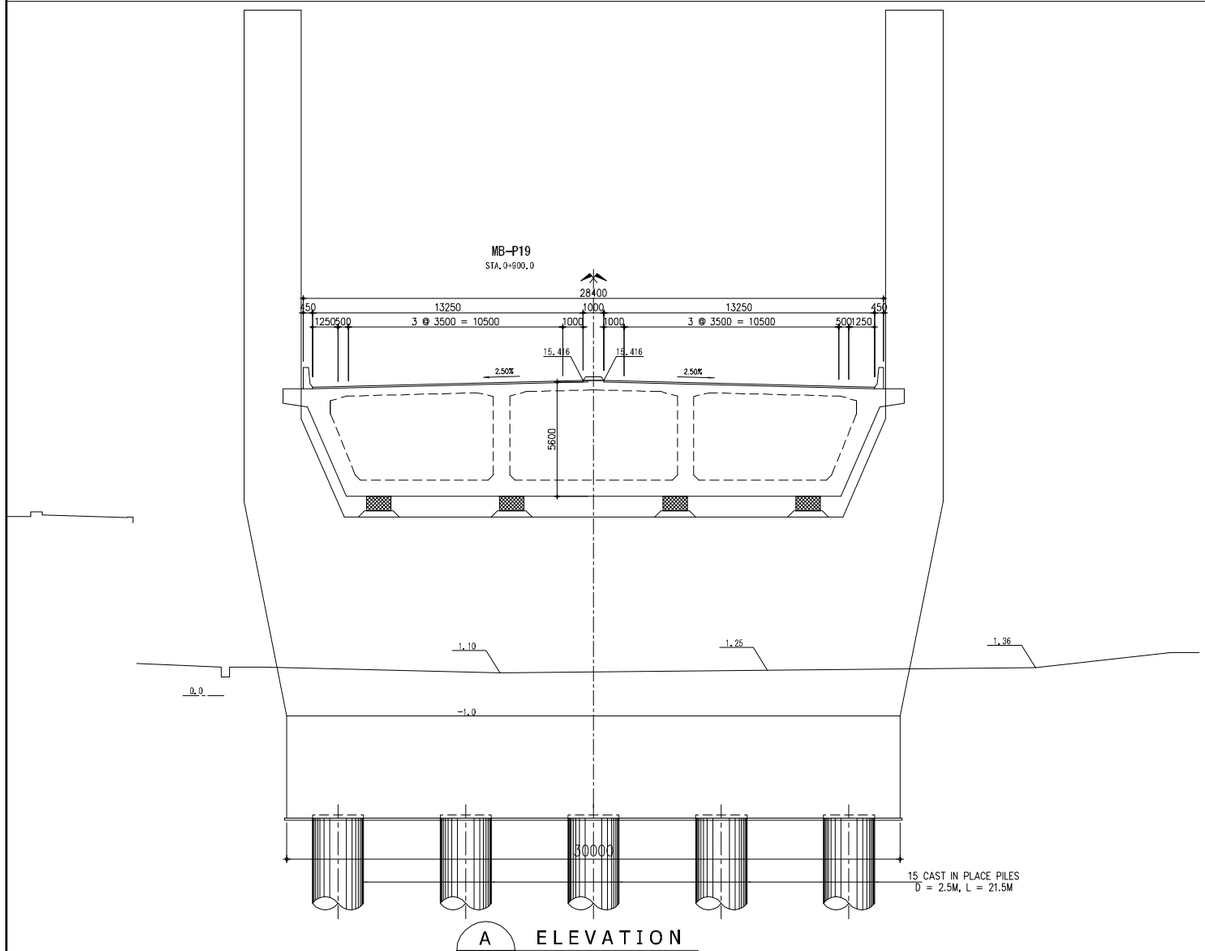
D — TYPICAL FOUNDATION PLAN
SCALE 1:100

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	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

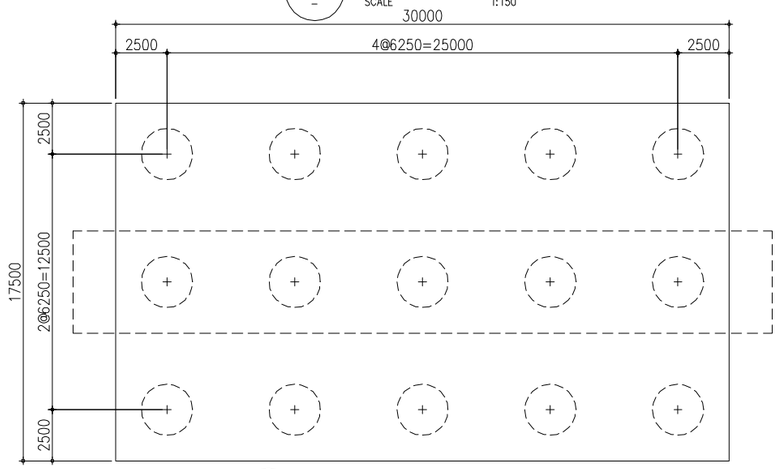
No	REVISION	DATE

SUBSTRUCTURE GENERAL DRAWING

MB-P19

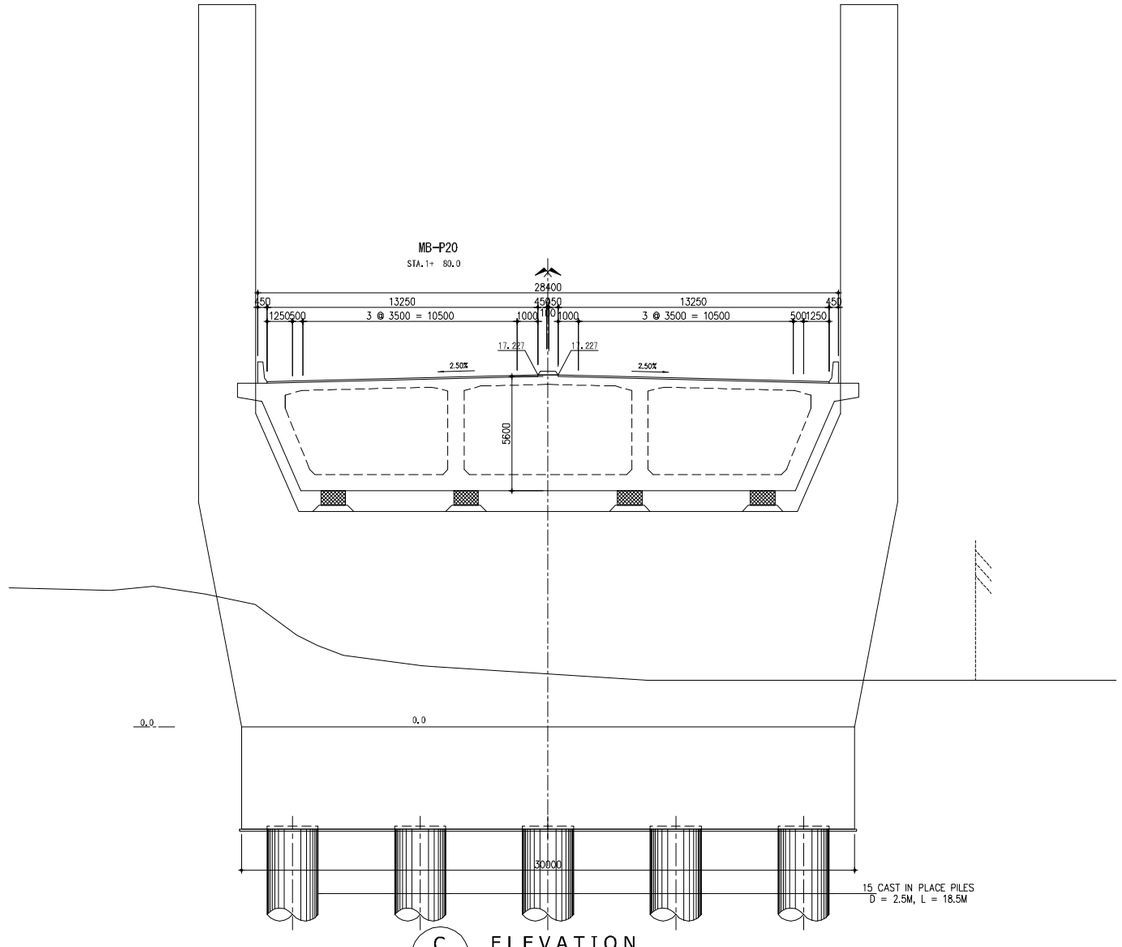


A – ELEVATION
SCALE 1:150

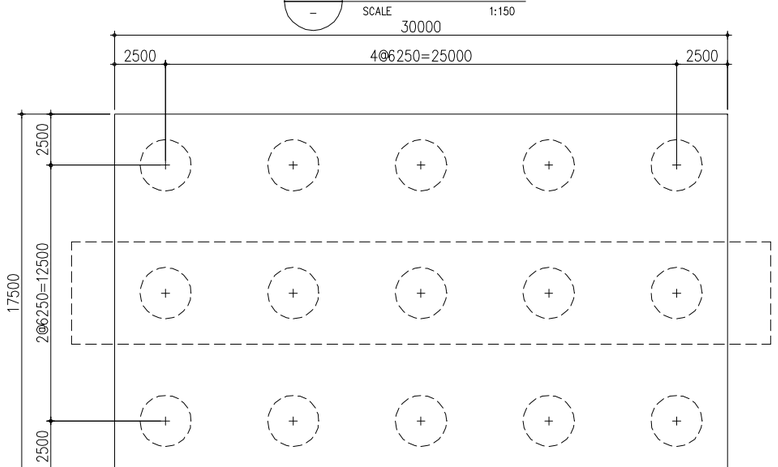


B – TYPICAL FOUNDATION PLAN
SCALE 1:150

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

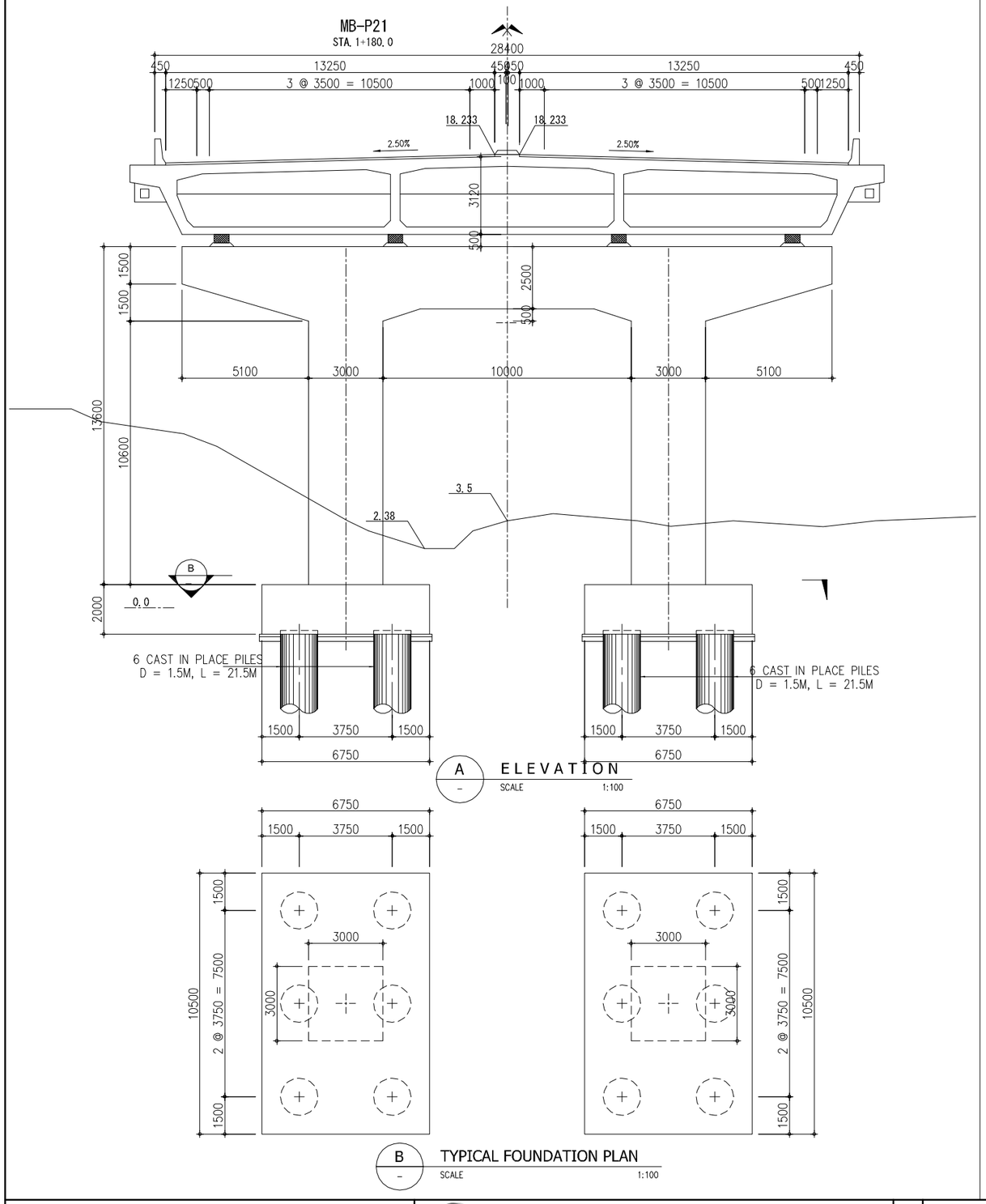
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

SUBSTRUCTURE GENERAL DRAWING
MAIN LINE EXTRADOSED BRIDGE
MBP19-MBP20

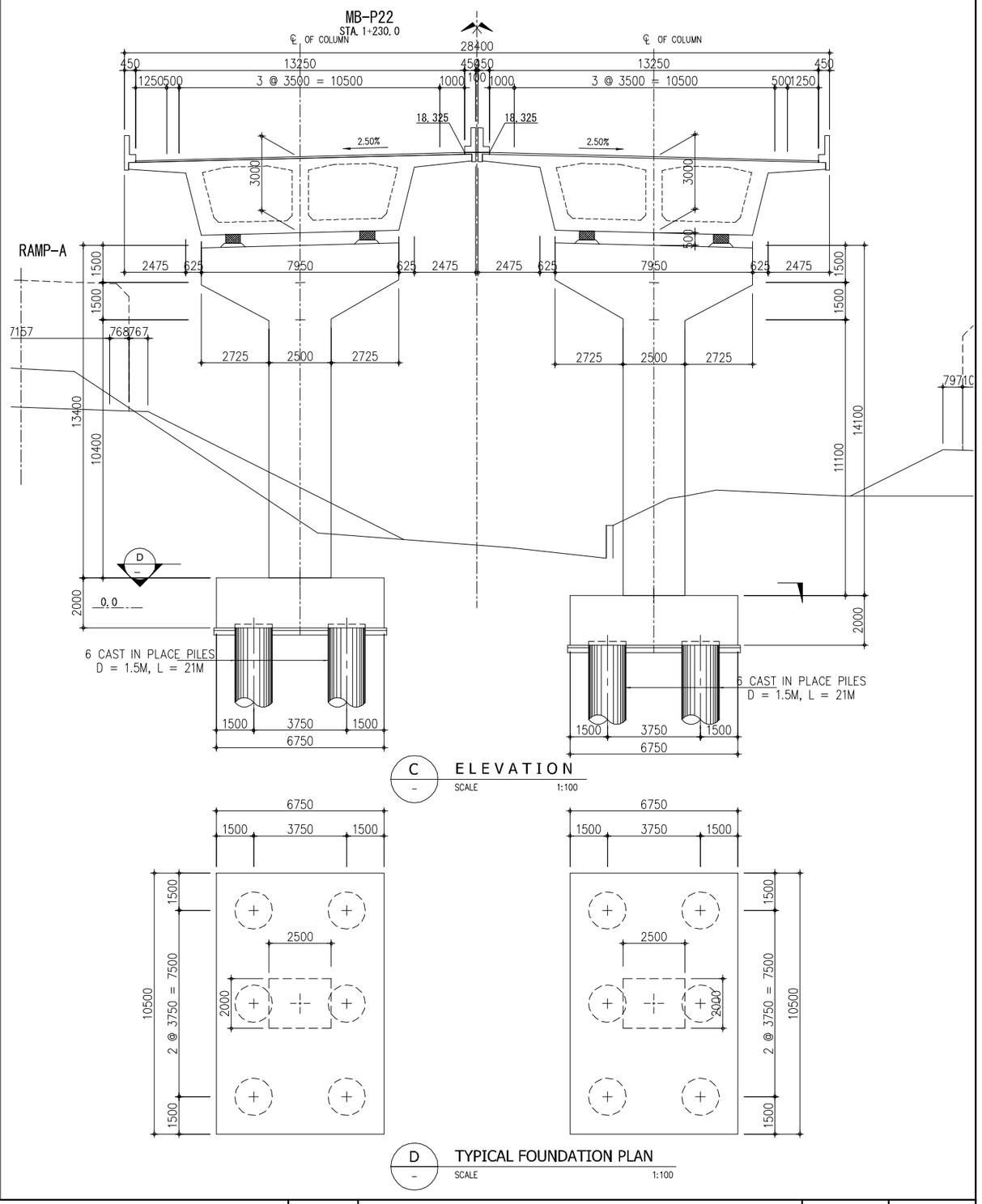
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-55

SUBSTRUCTURE GENERAL DRAWING

MB-P21



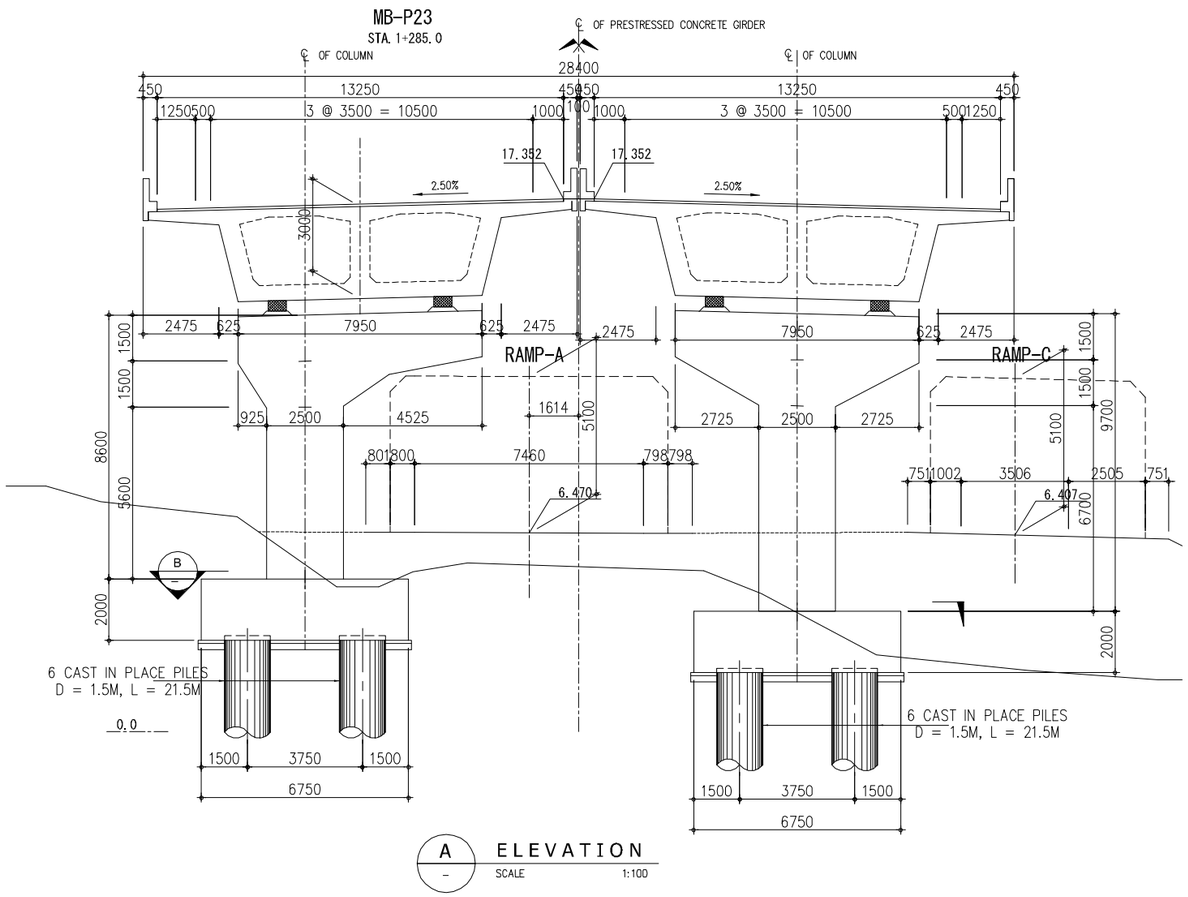
MB-P22



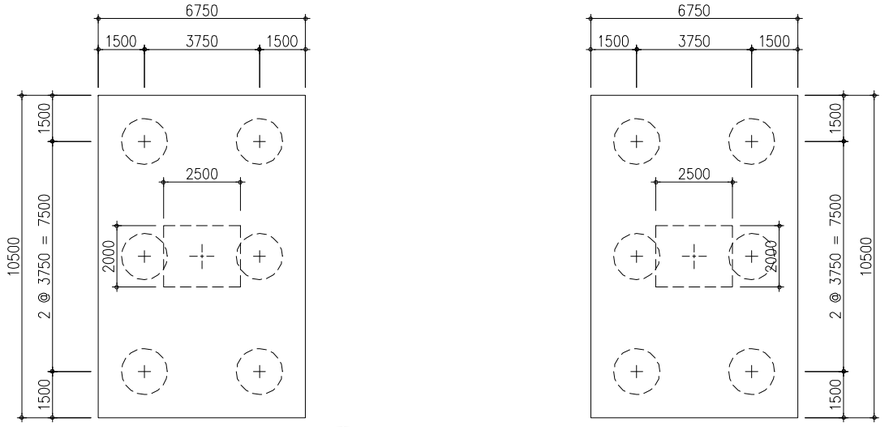
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
		SUBSTRUCTURE GENERAL DRAWING MAIN LINE PC BOX GIRDER MBP21-ABUTA(1/3)	CHECKED BY:
	No REVISION DATE		APPROVED BY:
			DWG. NO. B-56

SUBSTRUCTURE GENERAL DRAWING

MB-P23

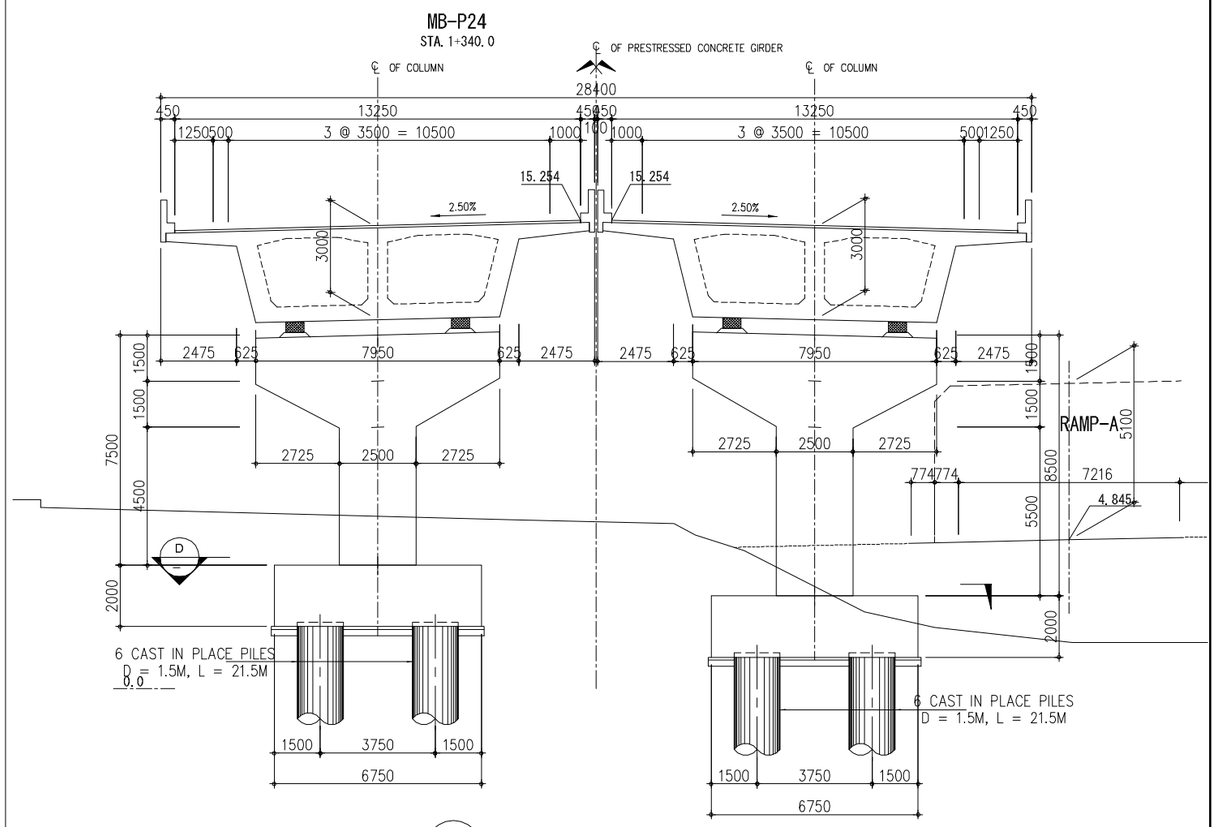


A – ELEVATION
SCALE 1:100

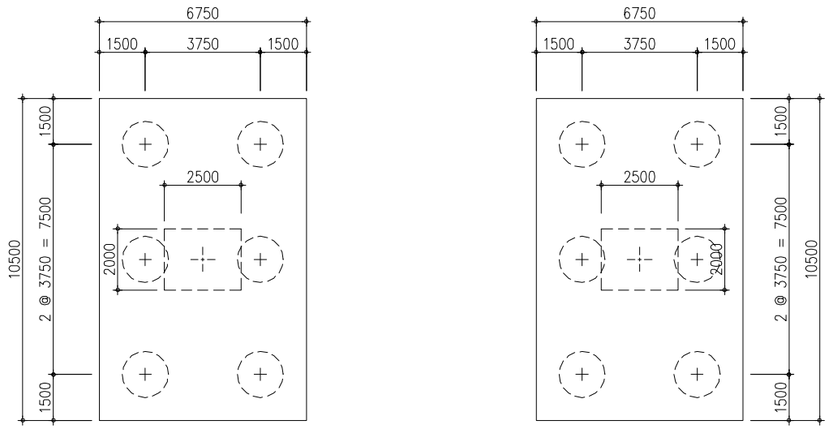


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

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

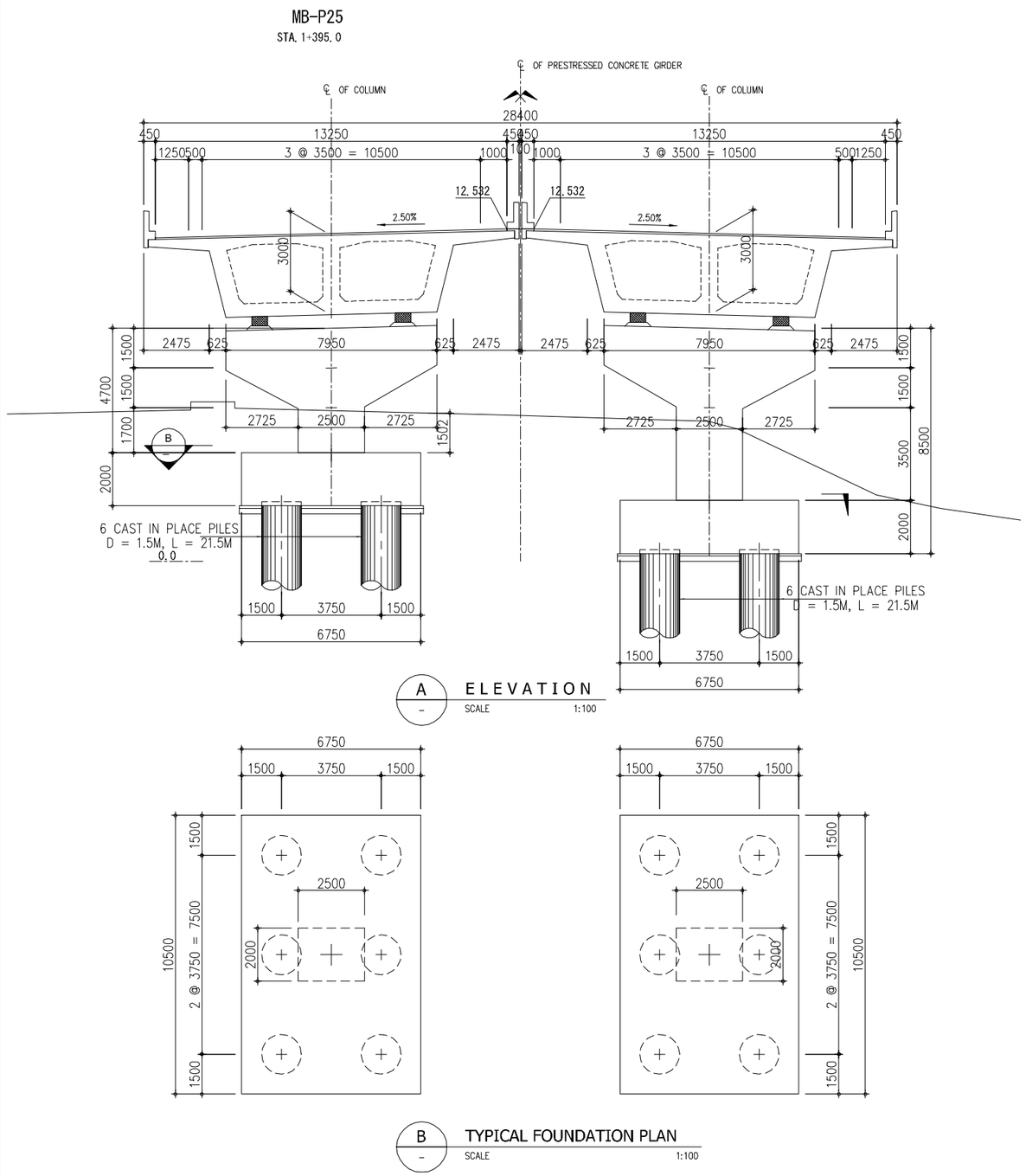
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

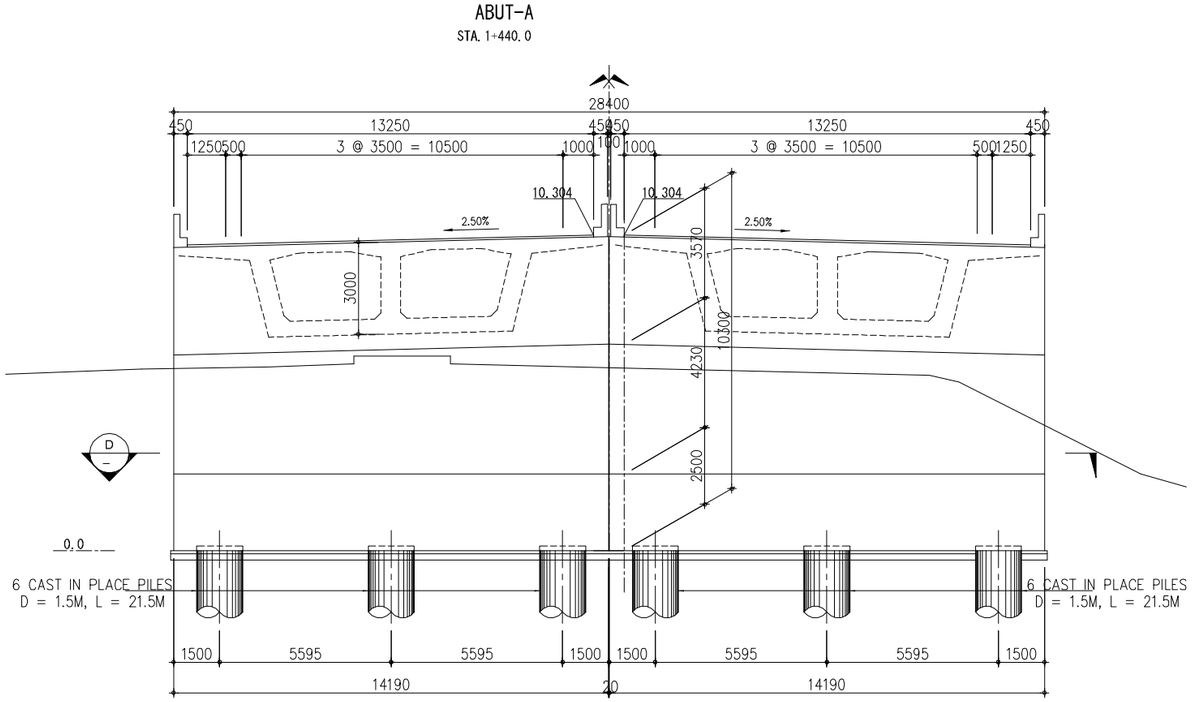
MB-P25



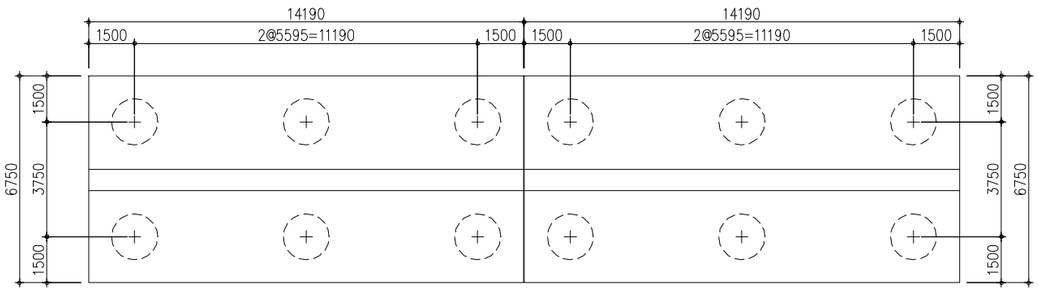
A ELEVATION
SCALE 1:100

B TYPICAL FOUNDATION PLAN
SCALE 1:100

ABUT-A



C ELEVATION
SCALE 1:100



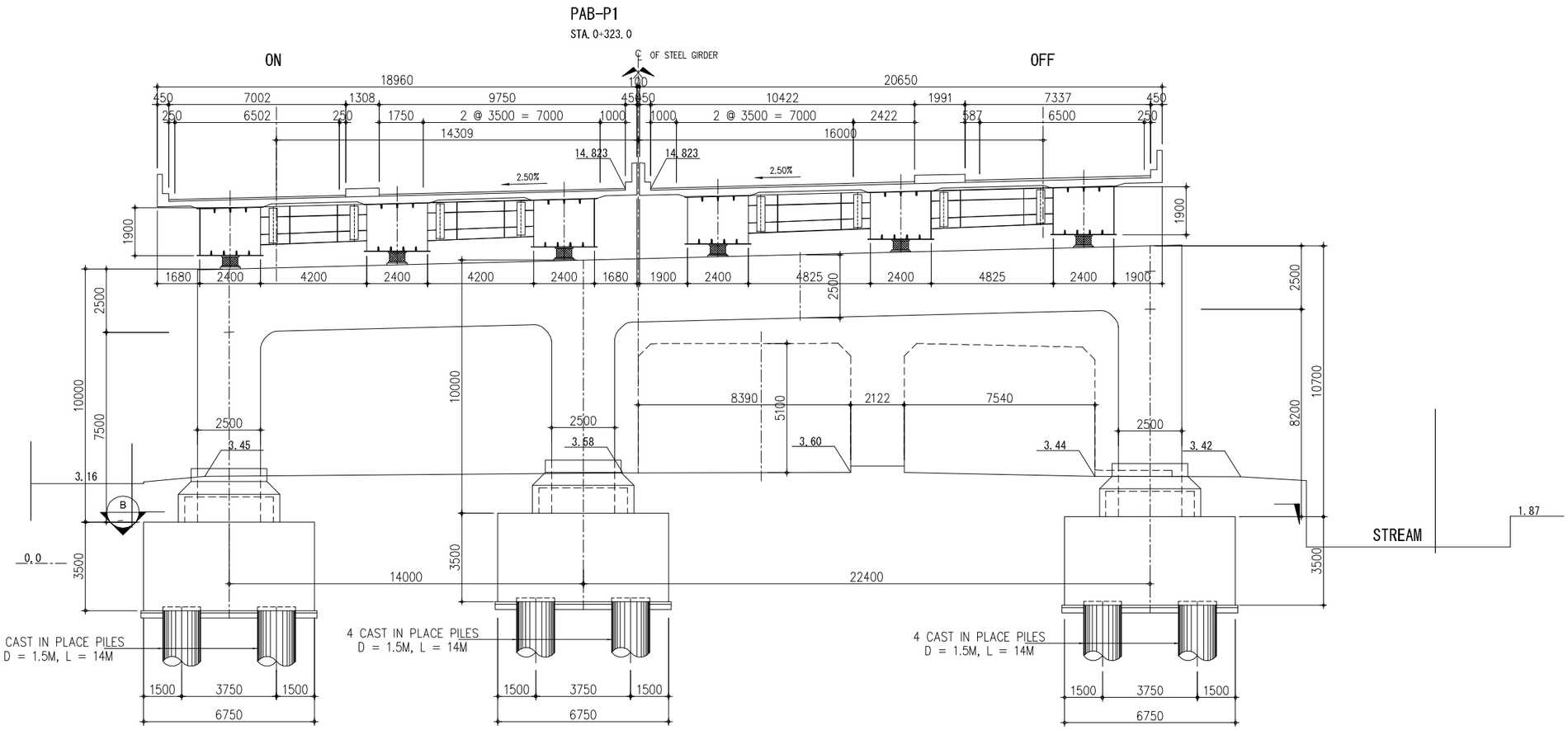
D TYPICAL FOUNDATION PLAN
SCALE 1:100

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 PC BOX GIRDER MBP21-ABUTA(3/3)

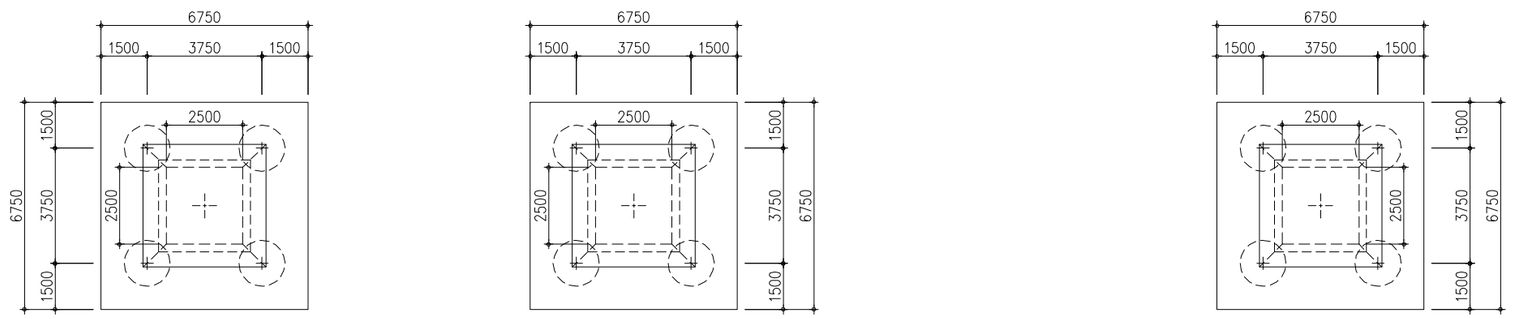
No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-58

SUBSTRUCTURE GENERAL DRAWING
PAB-P1



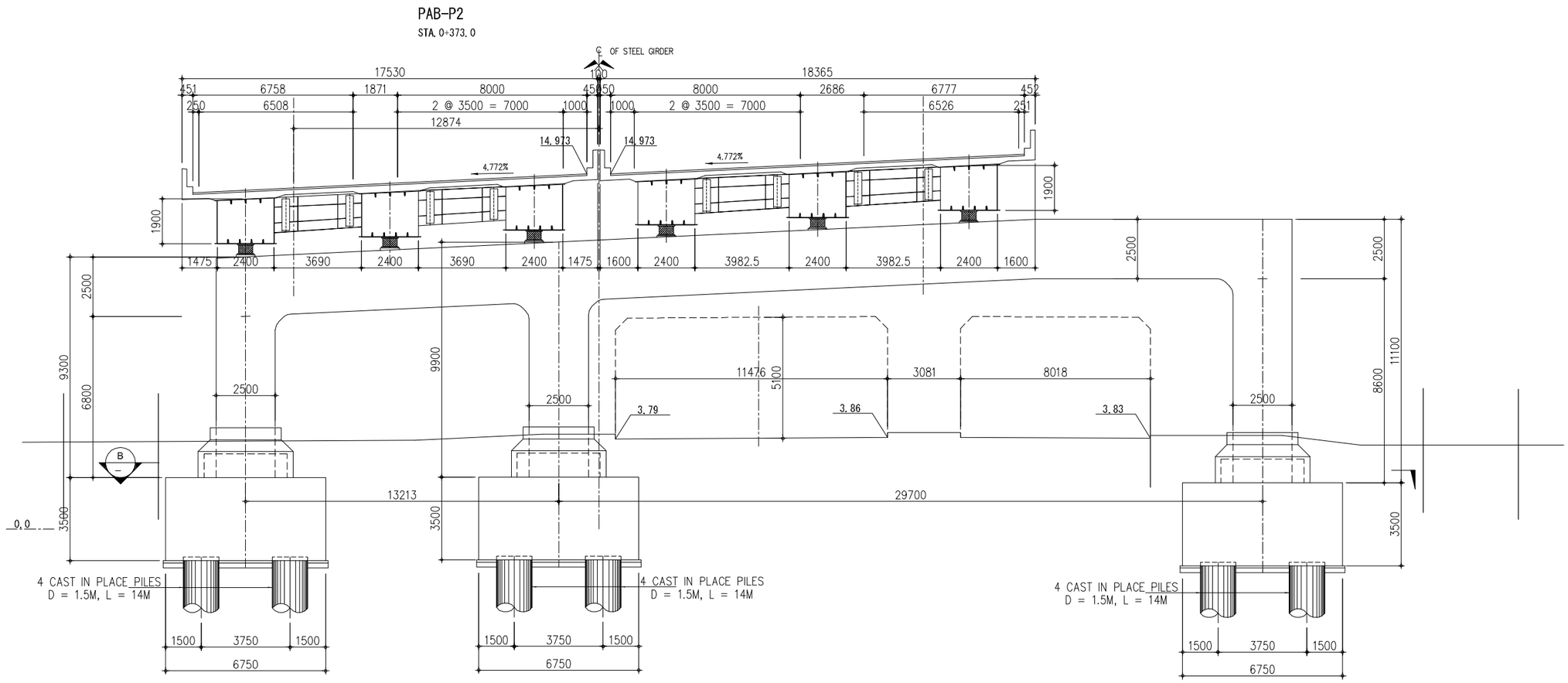
A ELEVATION
SCALE 1:100



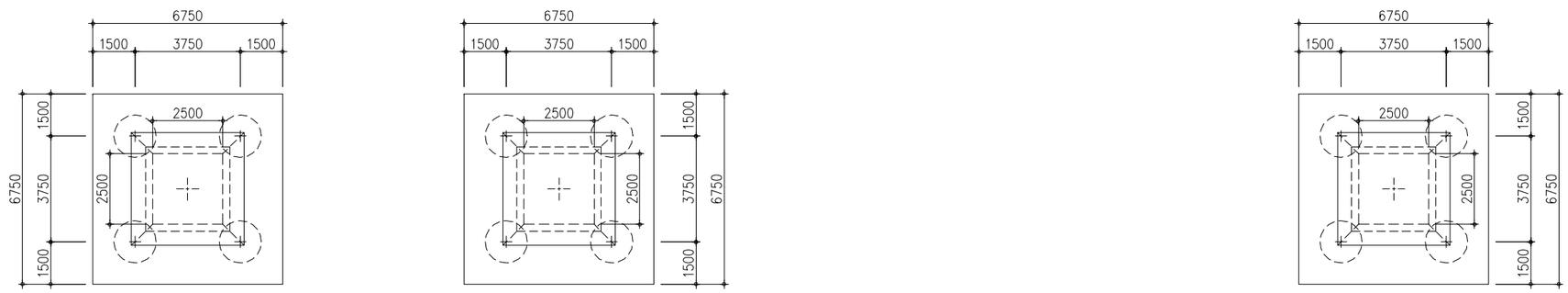
B TYPICAL FOUNDATION PLAN
SCALE 1:100

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



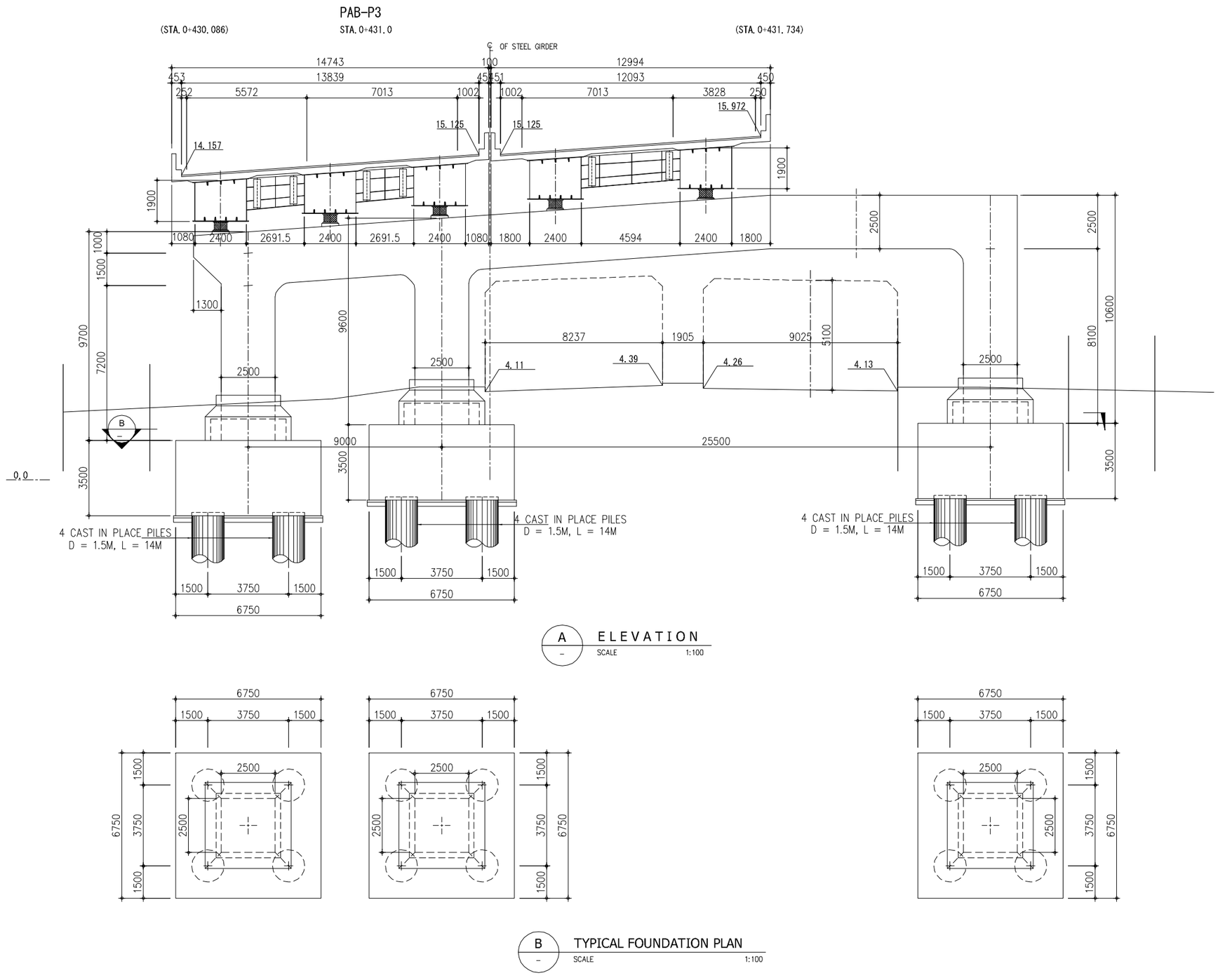
A – ELEVATION
SCALE 1:100



B – TYPICAL FOUNDATION PLAN
SCALE 1:100

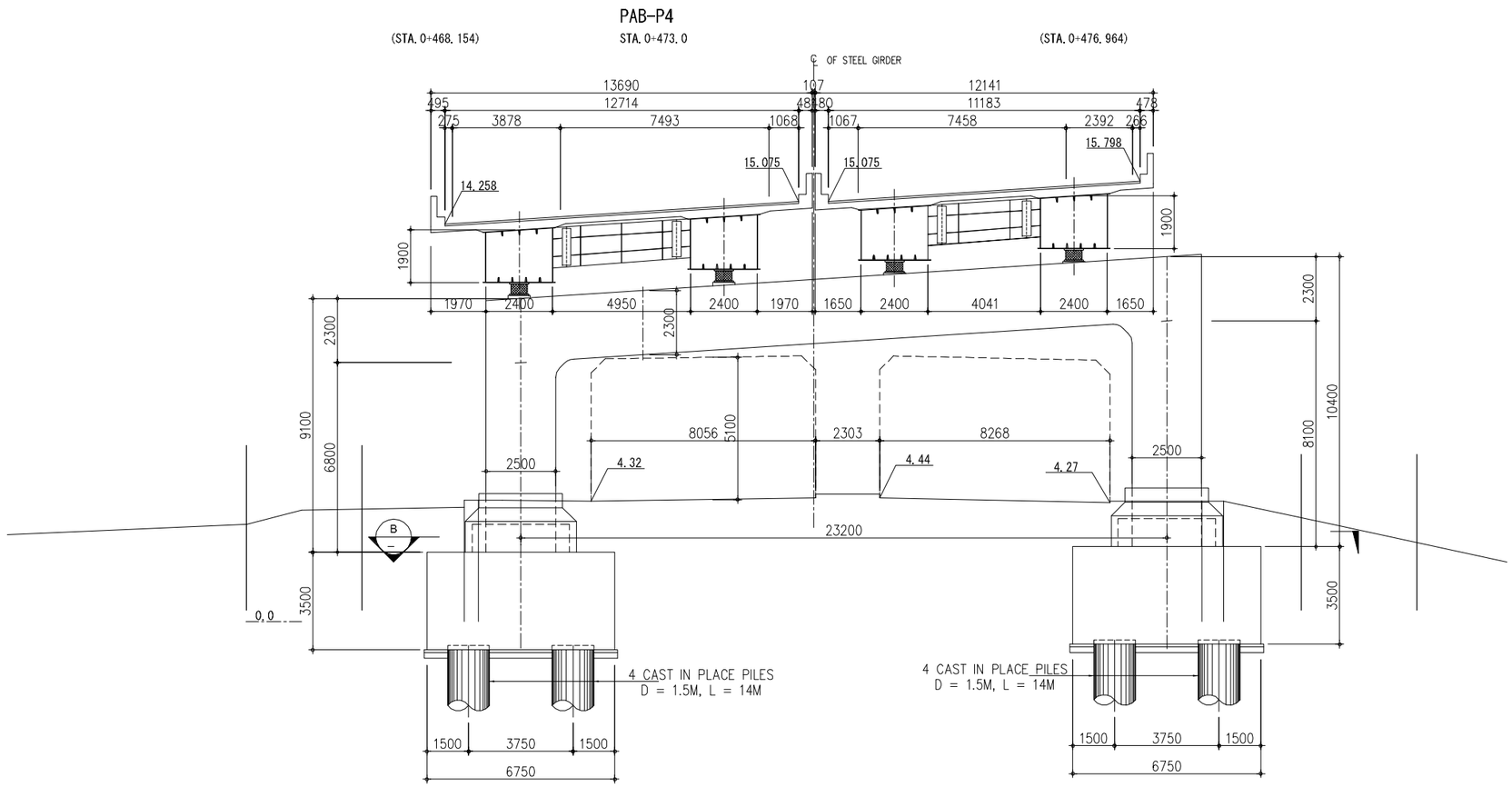
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
			CHECKED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

SUBSTRUCTURE GENERAL DRAWING
PAB-P3



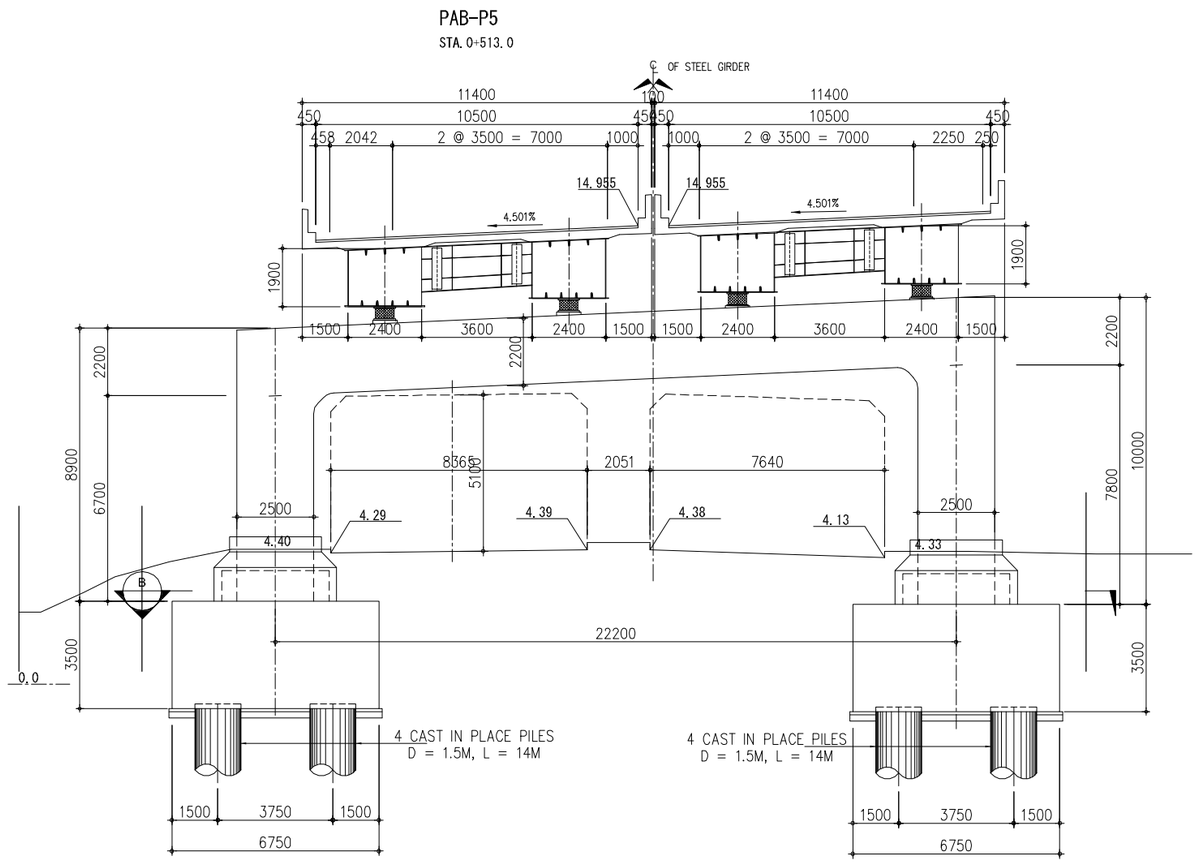
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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

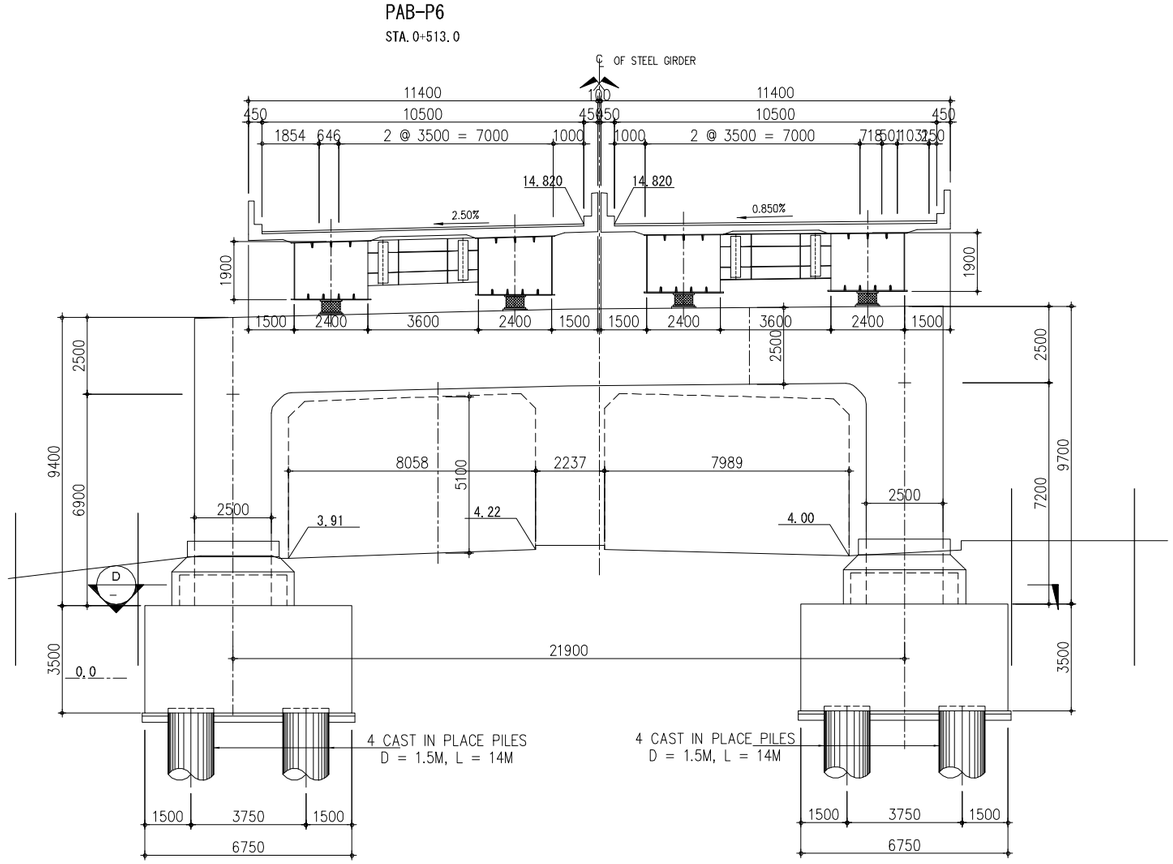
B – TYPICAL FOUNDATION PLAN
SCALE 1:100

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



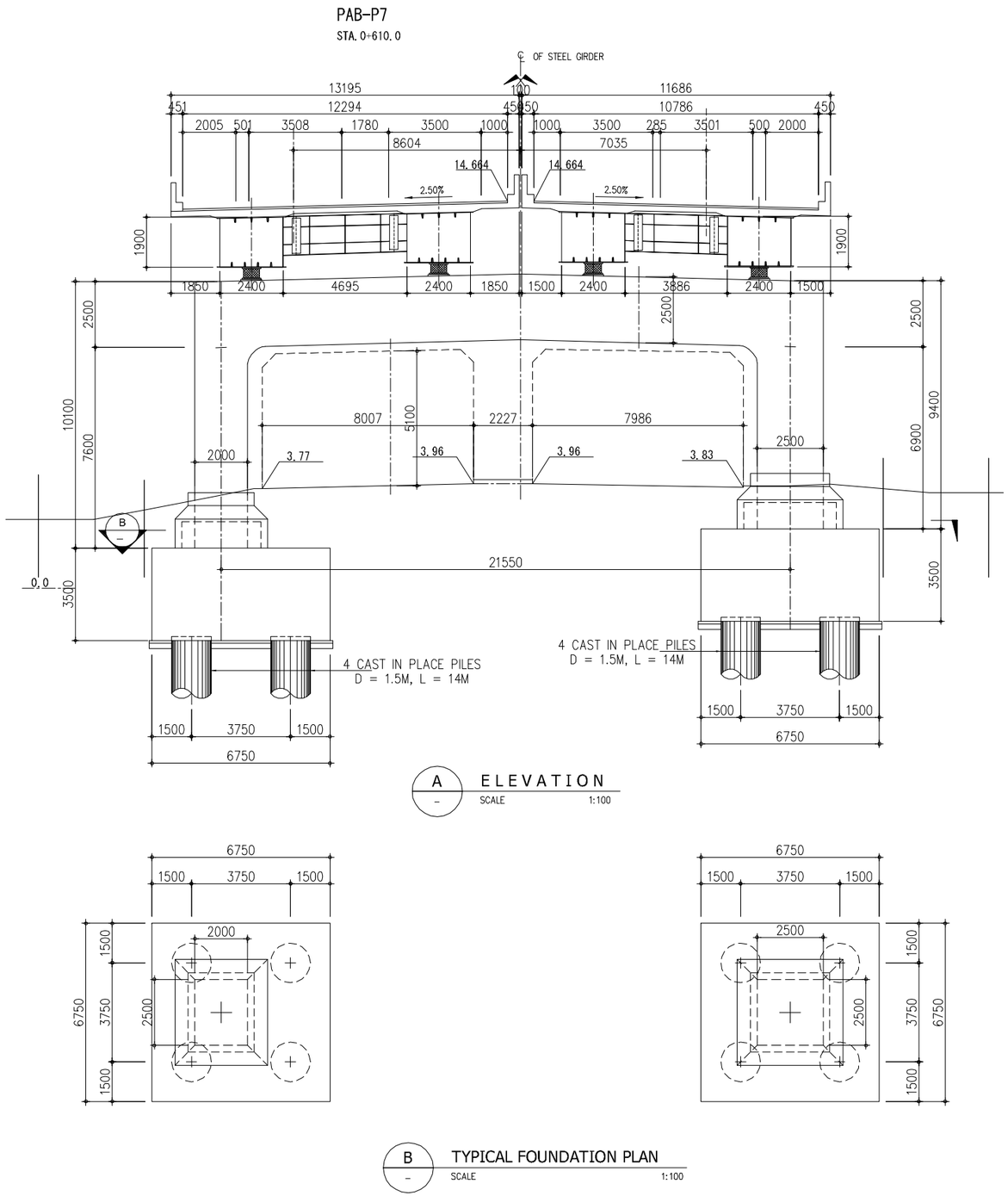
C – ELEVATION
SCALE 1:100

D – TYPICAL FOUNDATION PLAN
SCALE 1:100

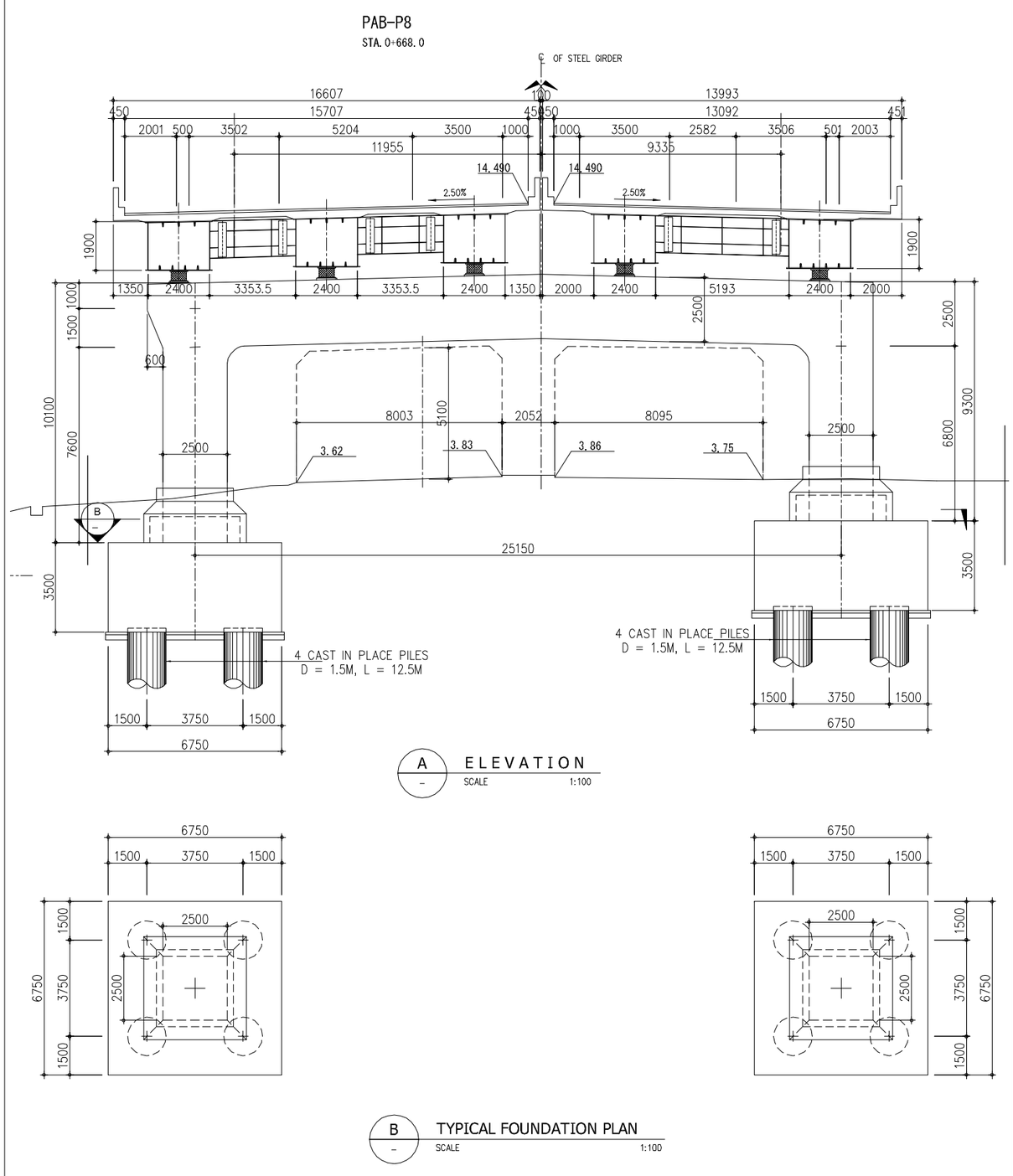
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	DESIGNED BY:
			CHECKED BY:
		SUBSTRUCTURE GENERAL DRAWING PORT ACCESS LINE STEEL BOX GIRDER PABP6-PABP9(1/3)	APPROVED BY:
	No REVISION DATE		DWG. NO. B-64

SUBSTRUCTURE GENERAL DRAWING

PAB-P7



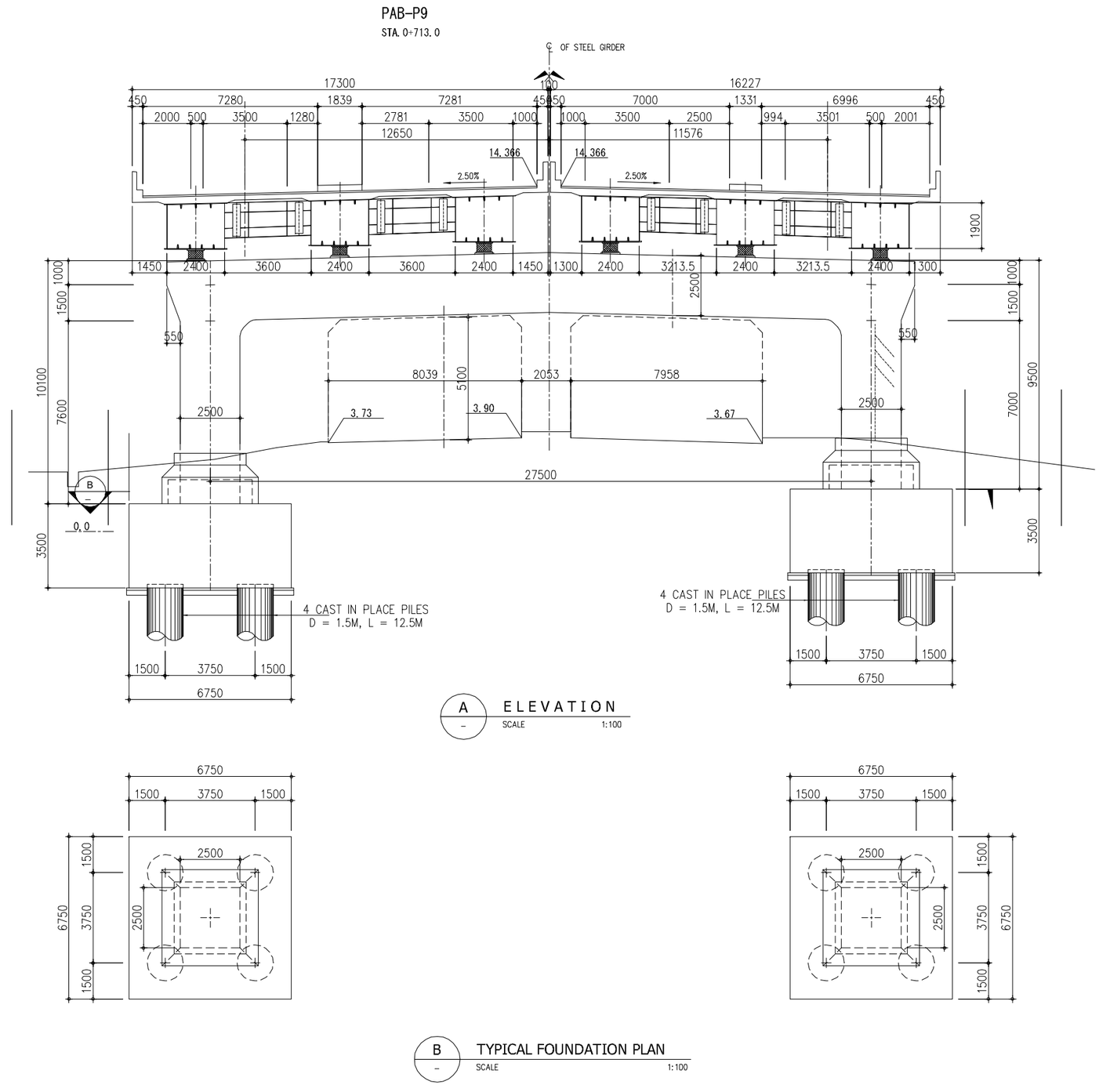
PAB-P8



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	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

No	REVISION	DATE

SUBSTRUCTURE GENERAL DRAWING
PAB-P9



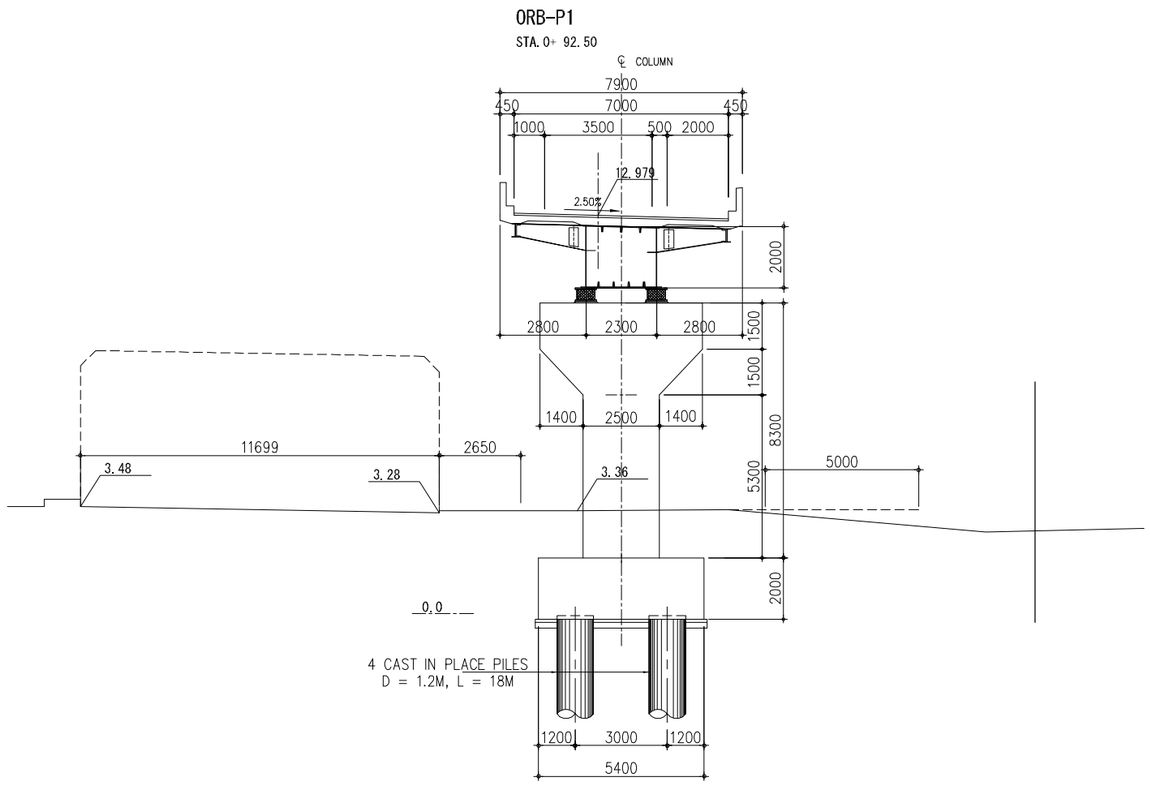
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE GENERAL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

No	REVISION	DATE

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-66

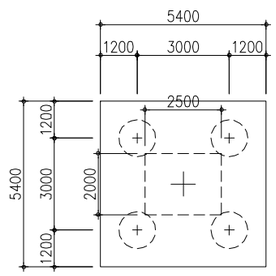
SUBSTRUCTURE GENERAL DRAWING

ORB-P1



A — ELEVATION

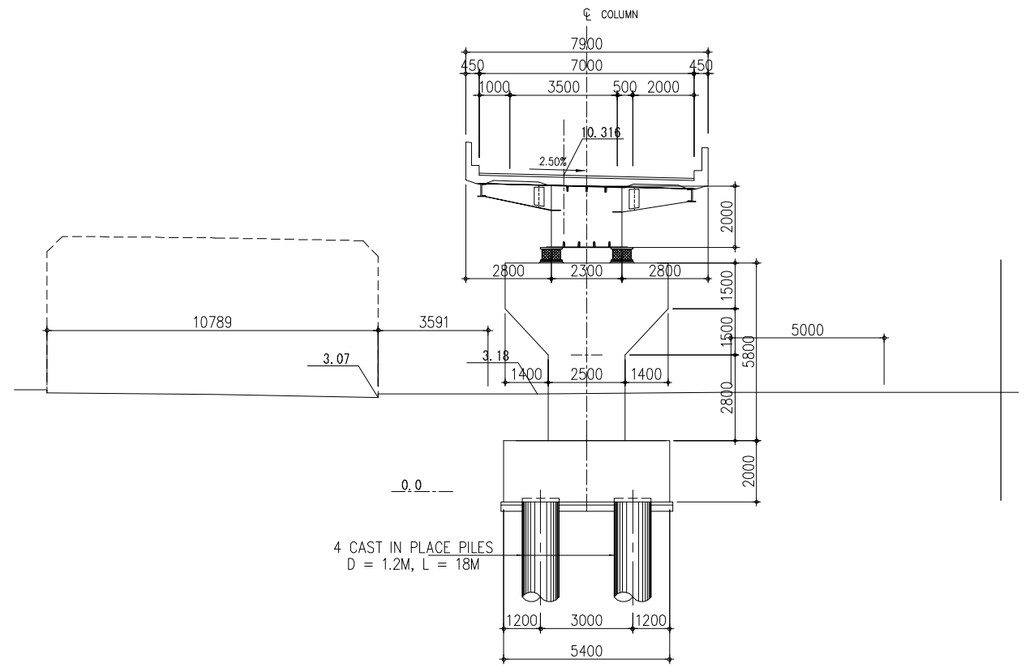
SCALE 1:100



B — TYPICAL FOUNDATION PLAN

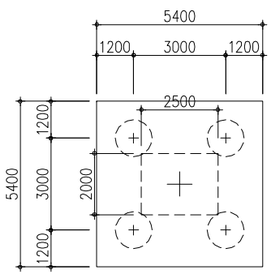
SCALE 1:100

ORB-P2



C — ELEVATION

SCALE 1:100



D — TYPICAL FOUNDATION PLAN

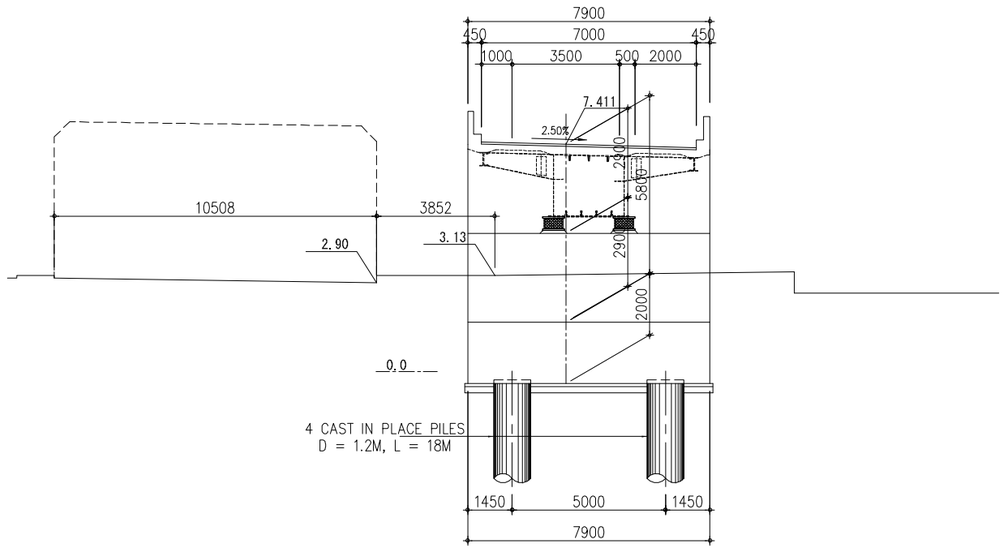
SCALE 1:100

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

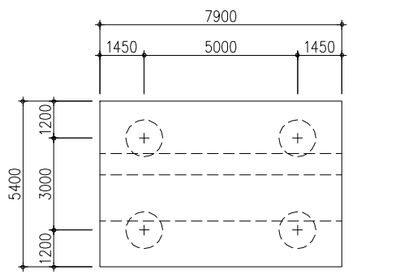
SUBSTRUCTURE GENERAL DRAWING

ORB-ABUT-B

ORB-ABUT-B
STA. 0+184.0



A – ELEVATION
SCALE 1:100

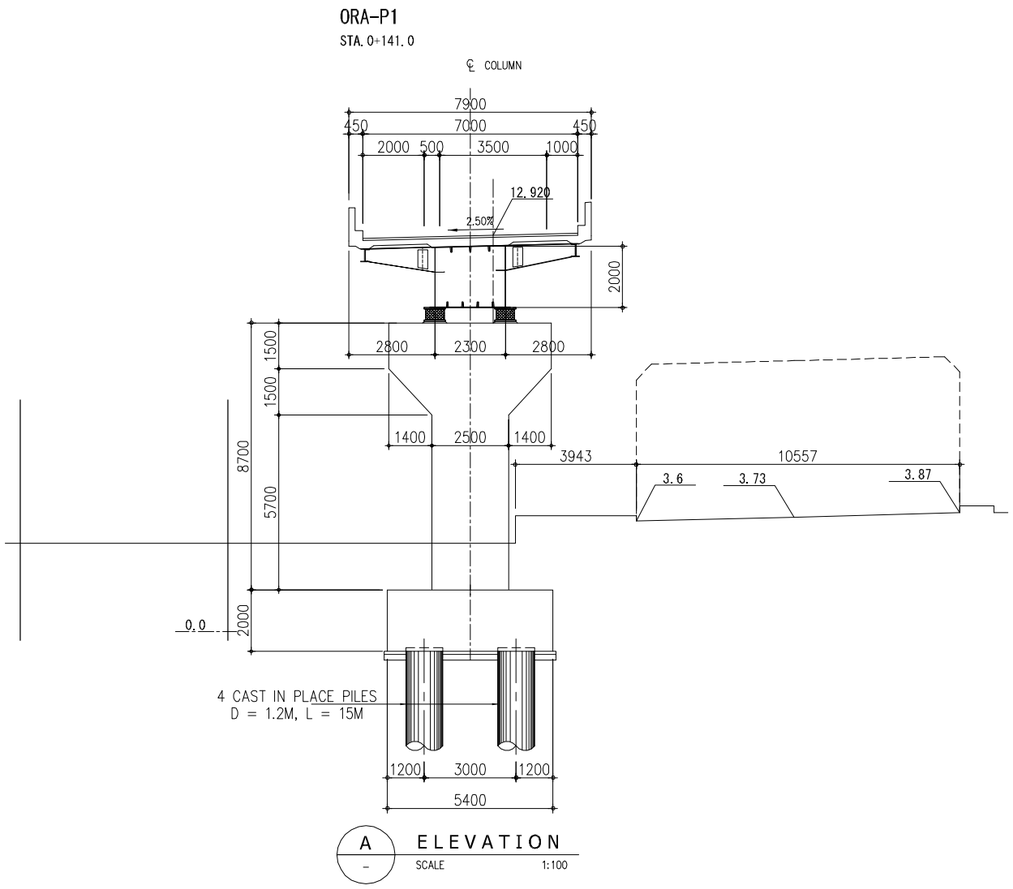


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

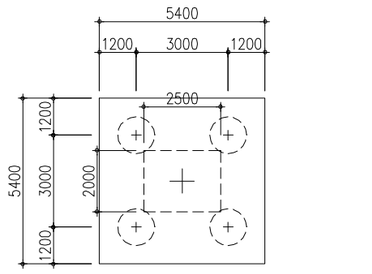
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No / REVISION / DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

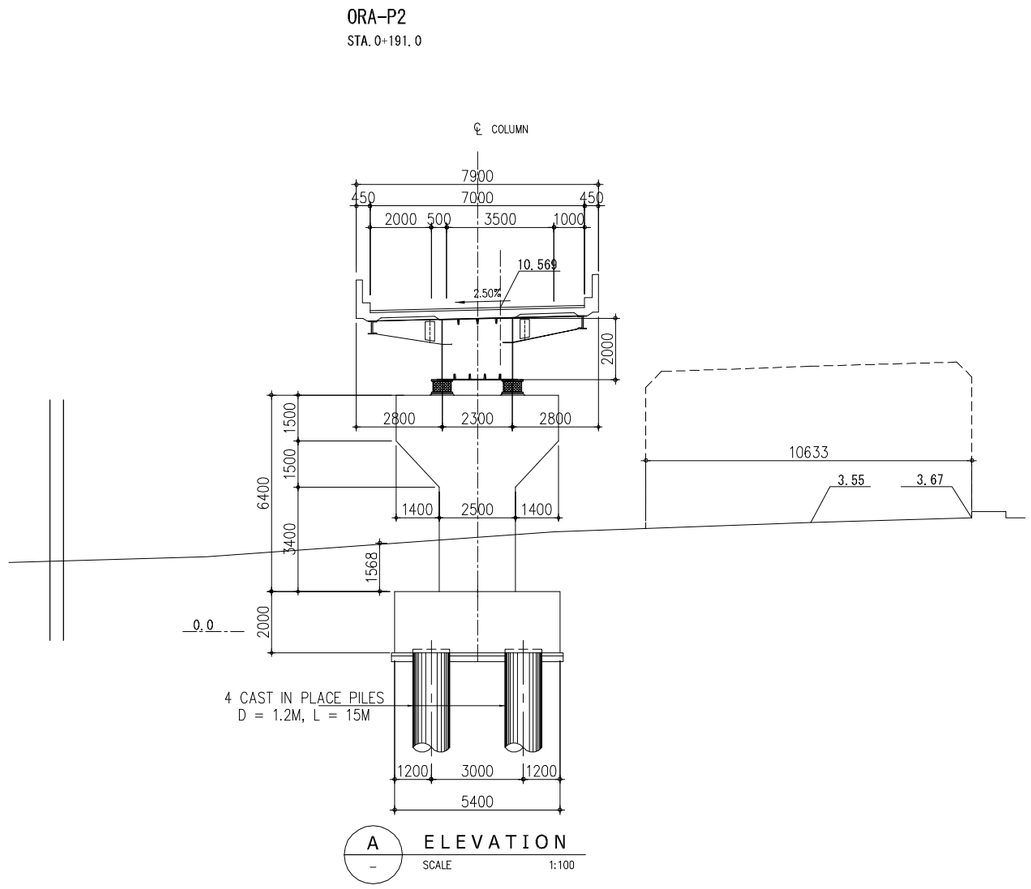


A – ELEVATION
SCALE 1:100

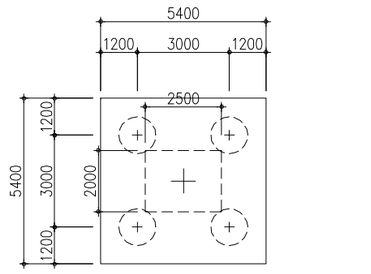


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

ORA-P2



A – ELEVATION
SCALE 1:100

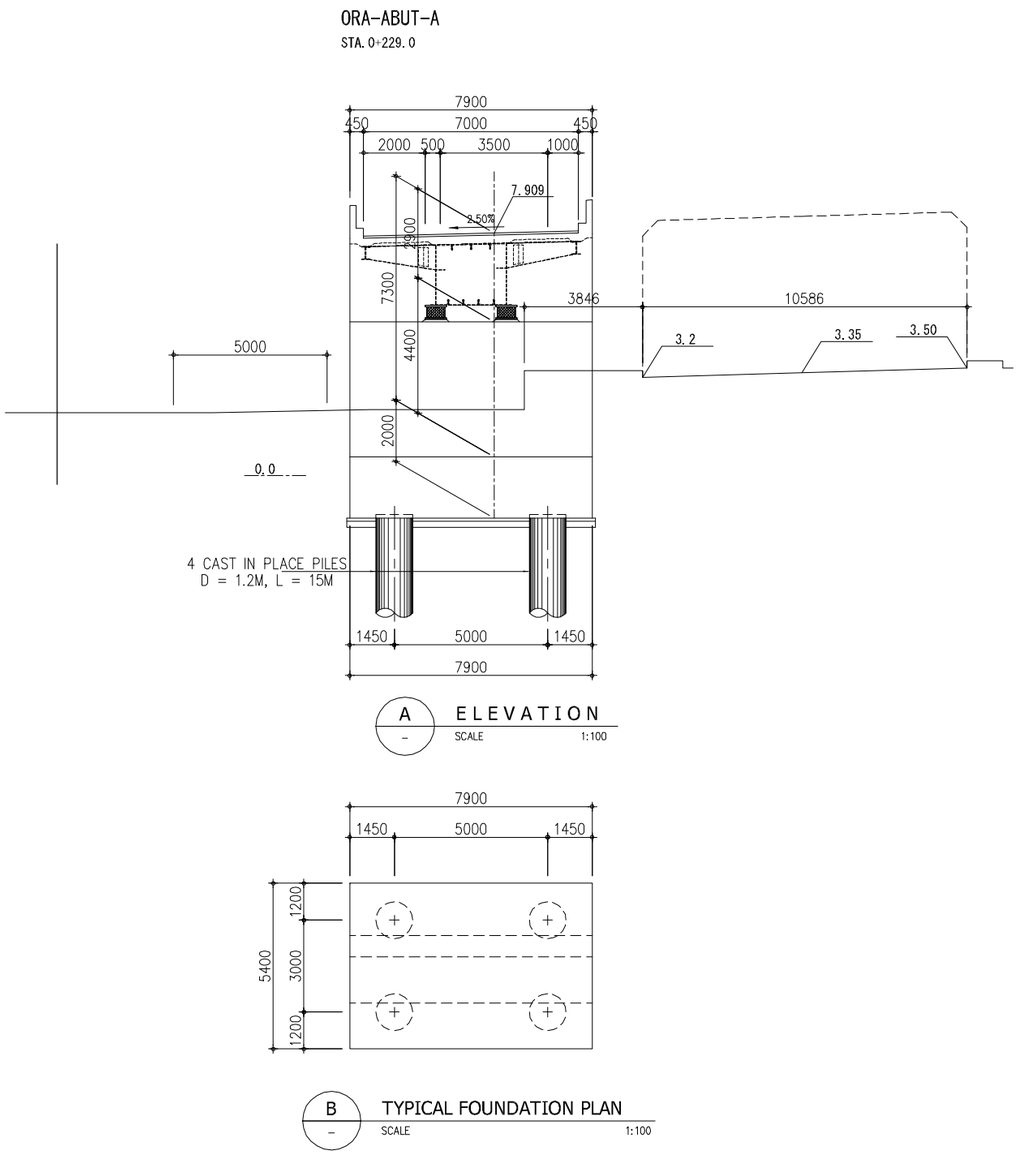


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

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 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

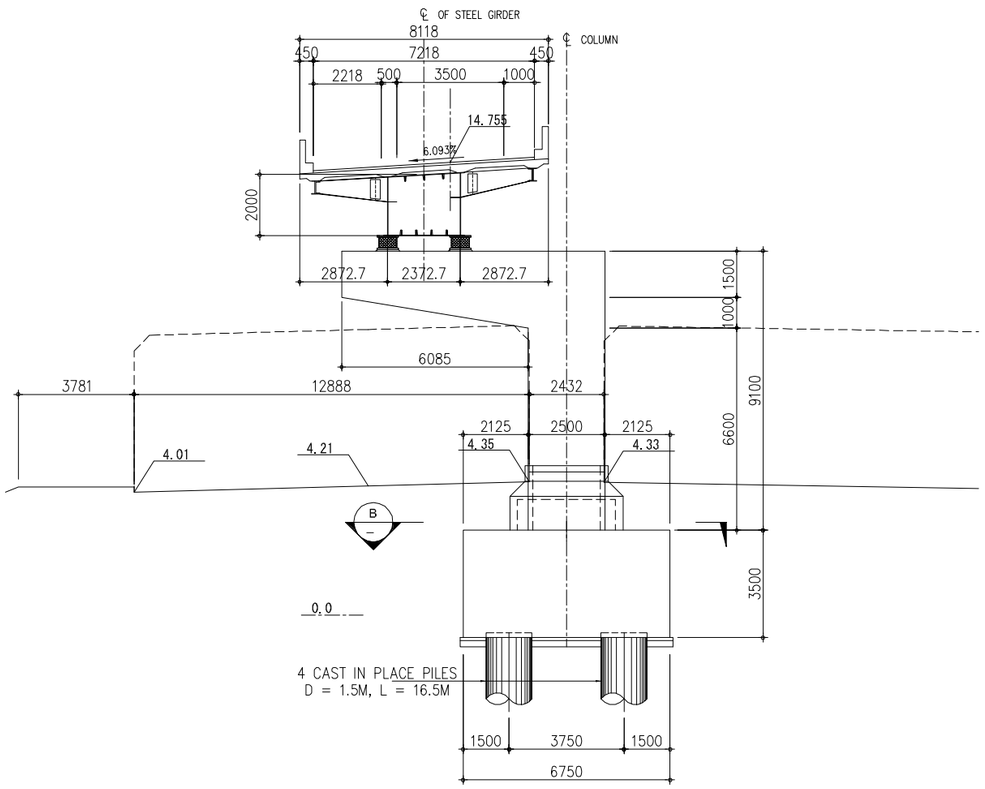


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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

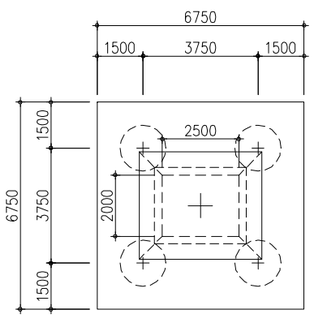
SUBSTRUCTURE GENERAL DRAWING

RA-P1

RA-P1
STA. 0+182. 0



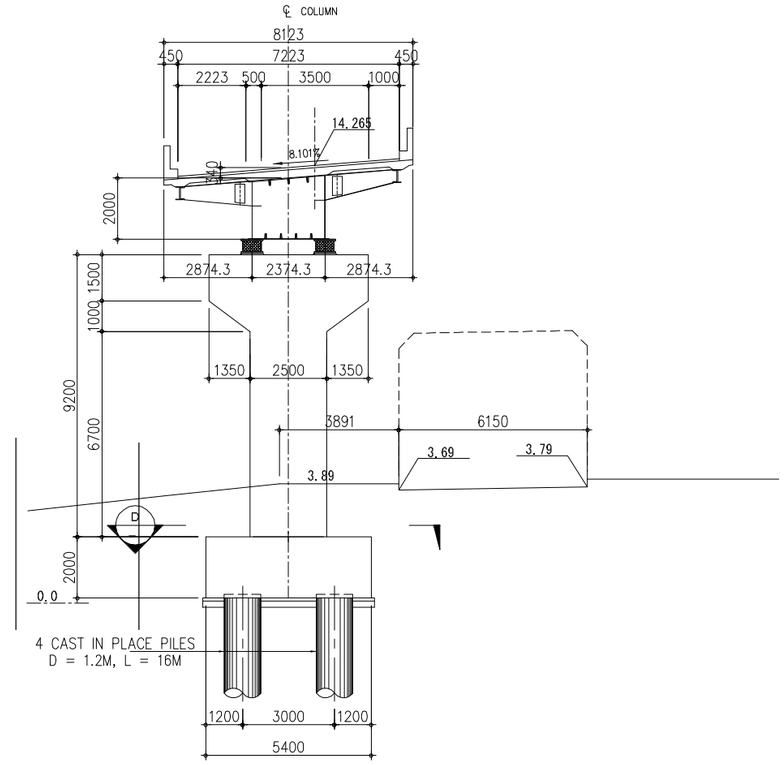
A — ELEVATION
SCALE 1:100



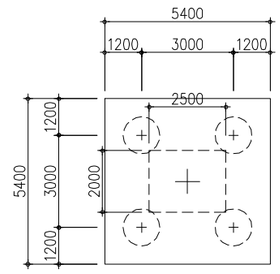
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

RA-P2

RA-P2
STA. 0+232. 0



C — ELEVATION
SCALE 1:100



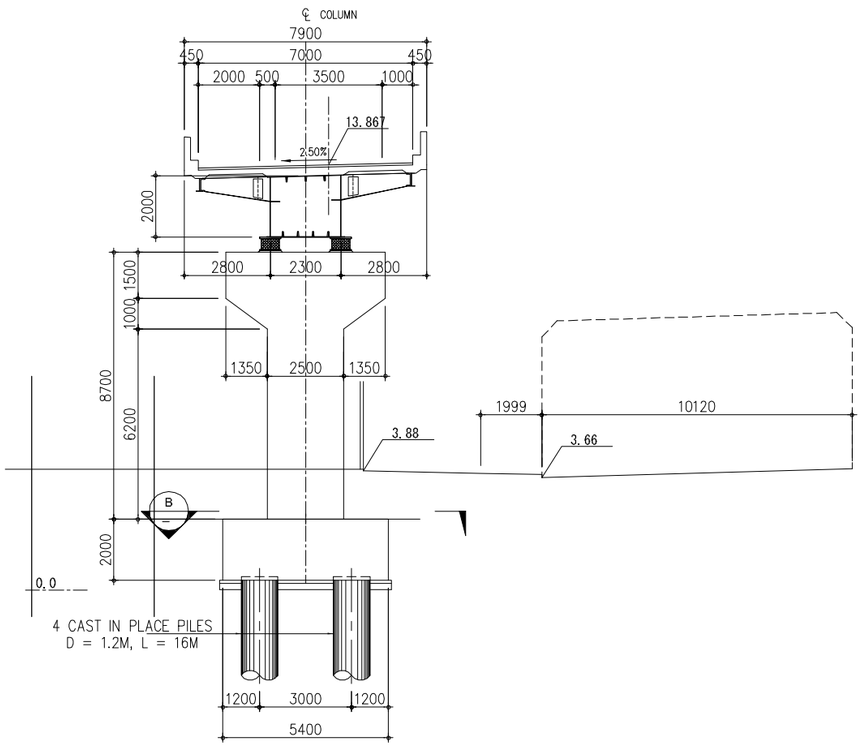
D — TYPICAL FOUNDATION PLAN
SCALE 1:100

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	No	REVISION / DATE	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

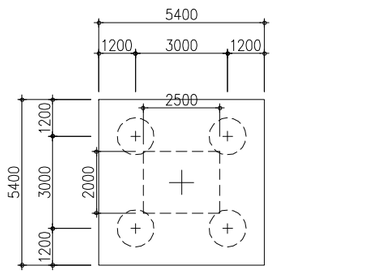
SUBSTRUCTURE GENERAL DRAWING

RA-P3

RA-P3
STA. 0+282. 0



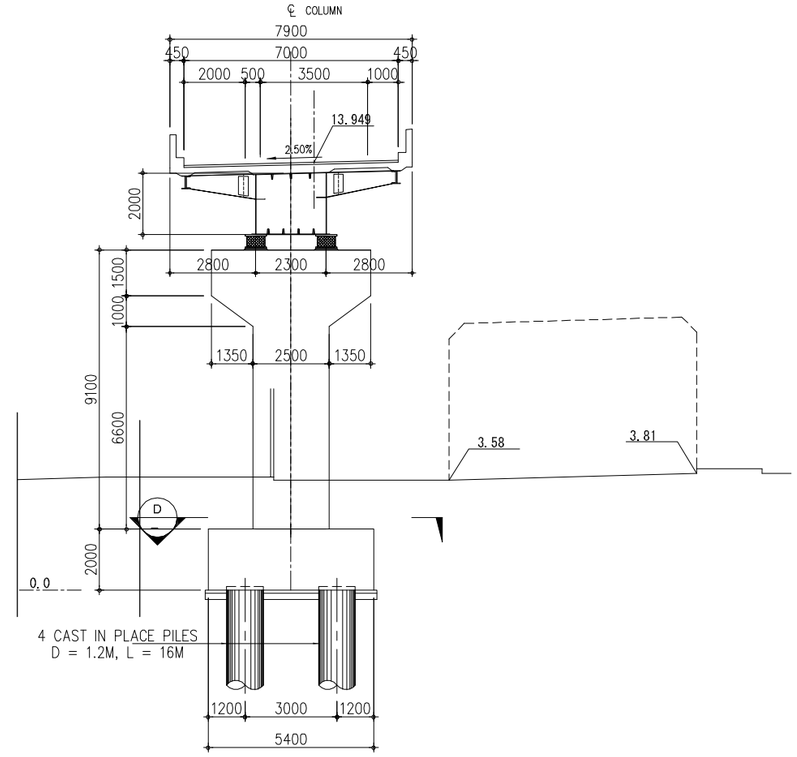
A — ELEVATION
SCALE 1:100



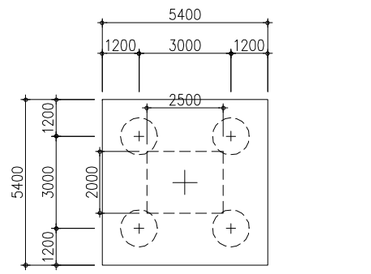
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

RA-P4

RA-P4
STA. 0+332. 0



C — ELEVATION
SCALE 1:100

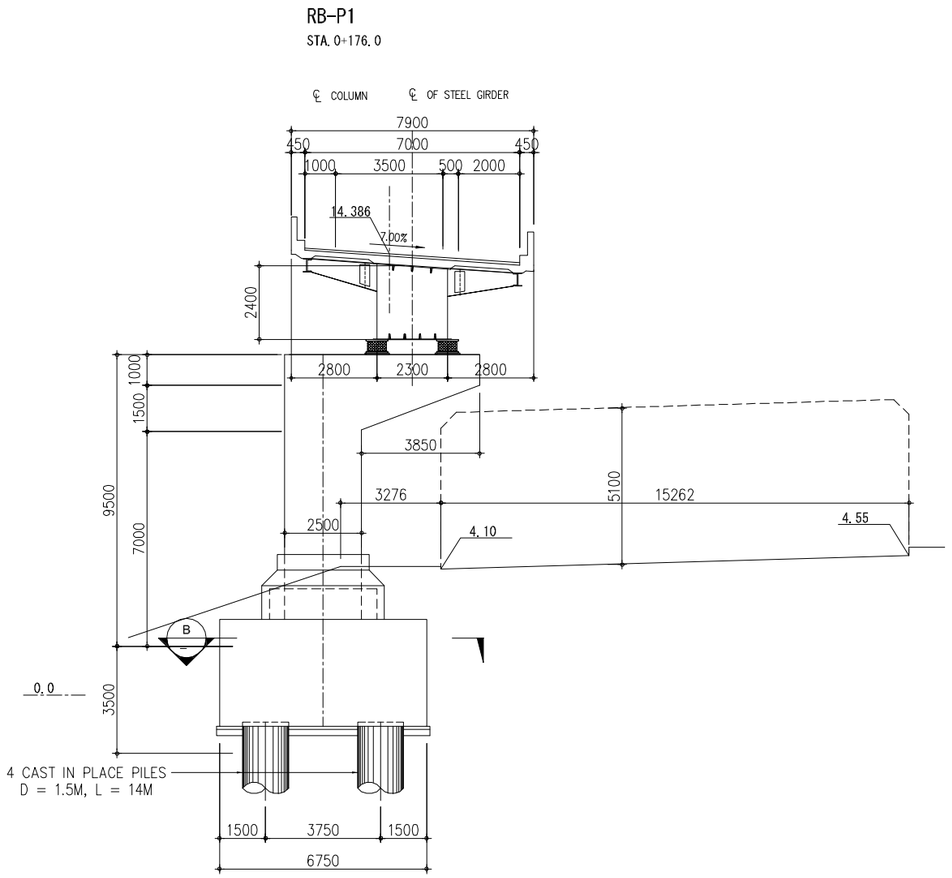


D — TYPICAL FOUNDATION PLAN
SCALE 1:100

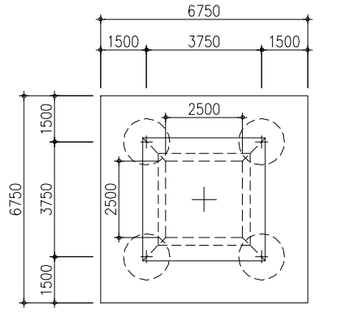
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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

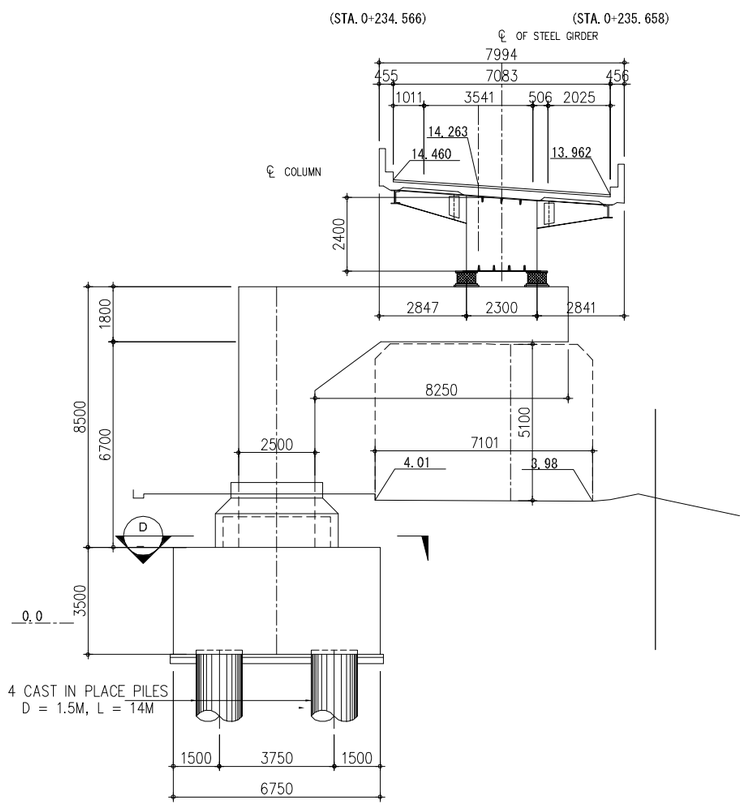


A – ELEVATION
SCALE 1:100

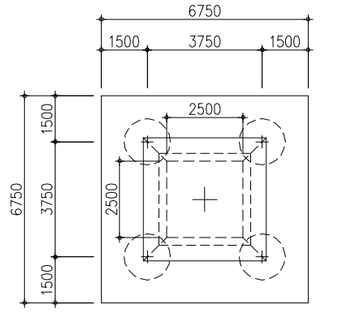


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

RB-P2



C – ELEVATION
SCALE 1:100



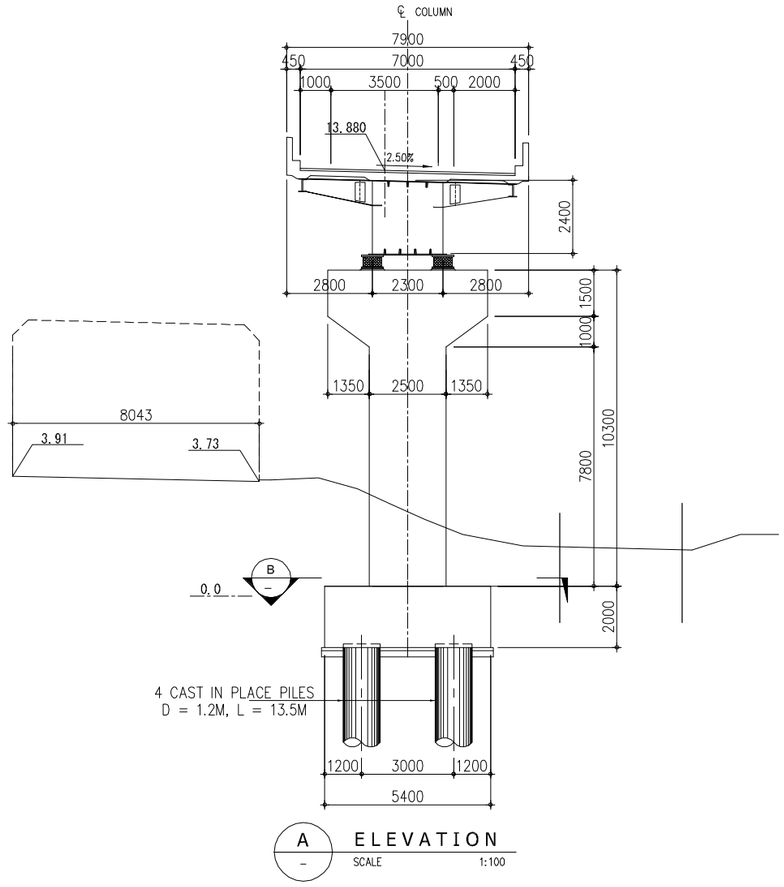
D – TYPICAL FOUNDATION PLAN
SCALE 1:100

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

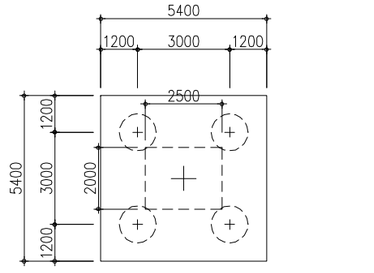
SUBSTRUCTURE GENERAL DRAWING

RB-P3

RB-P3
STA. 0+290. 0



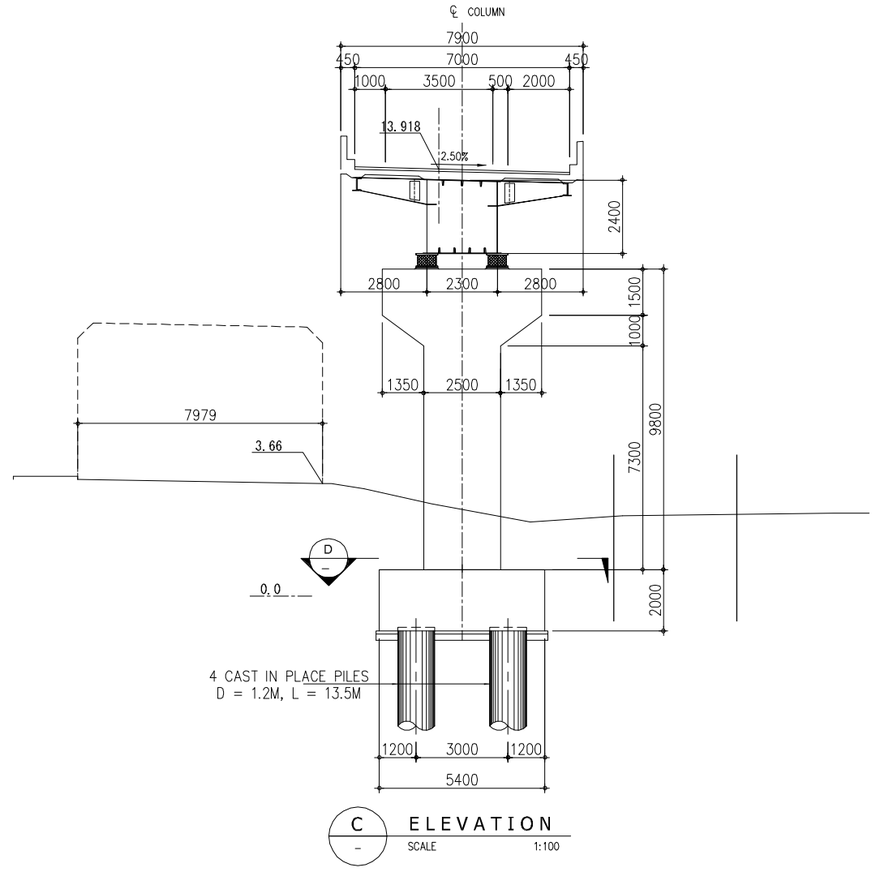
A ELEVATION
SCALE 1:100



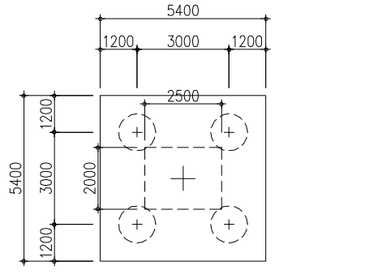
B TYPICAL FOUNDATION PLAN
SCALE 1:100

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

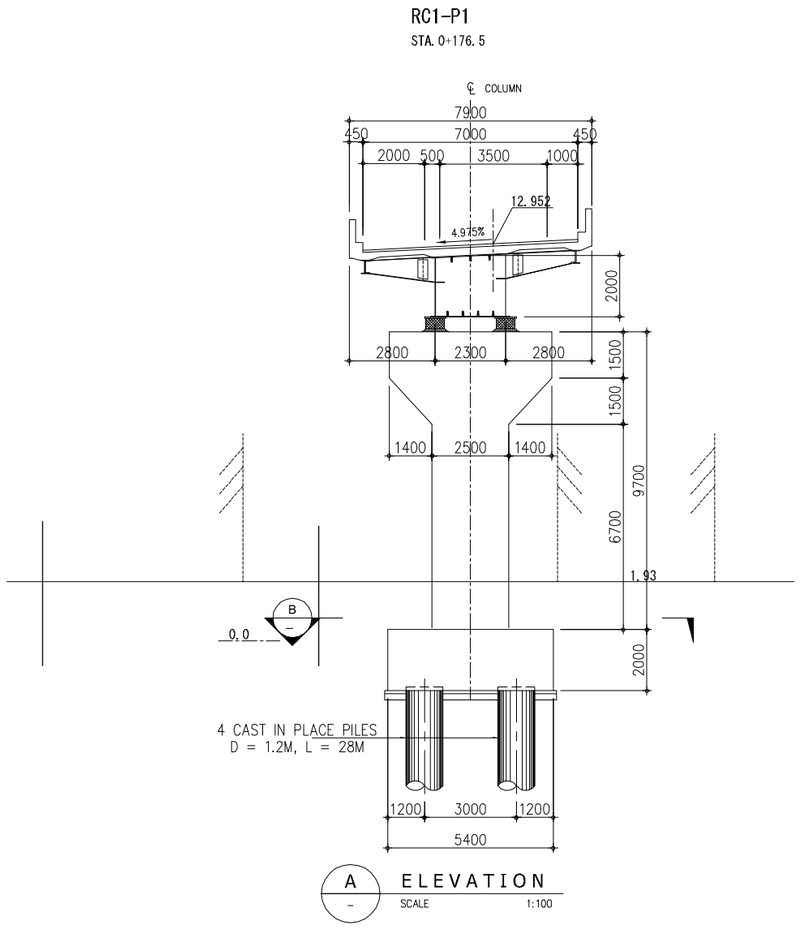
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

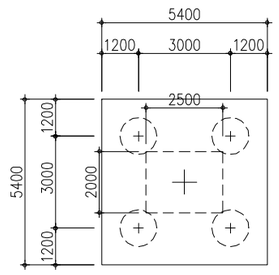
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-74

SUBSTRUCTURE GENERAL DRAWING

RC1-P1

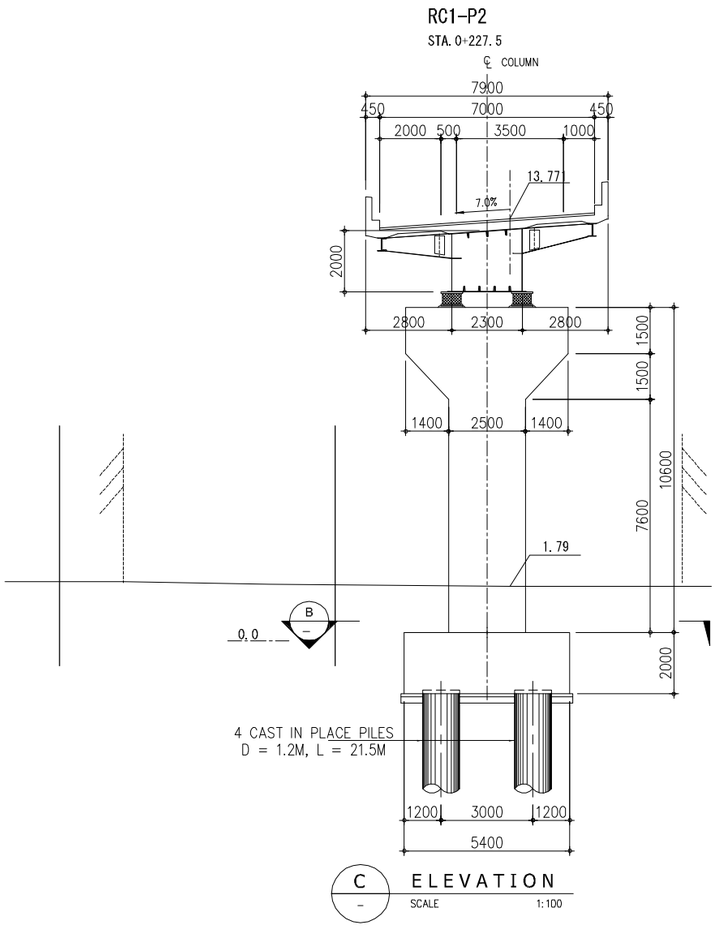


A – ELEVATION
SCALE 1:100

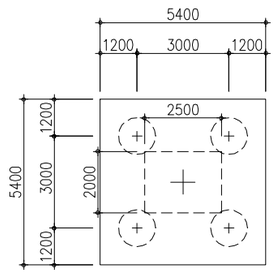


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

RC1-P2



C – ELEVATION
SCALE 1:100

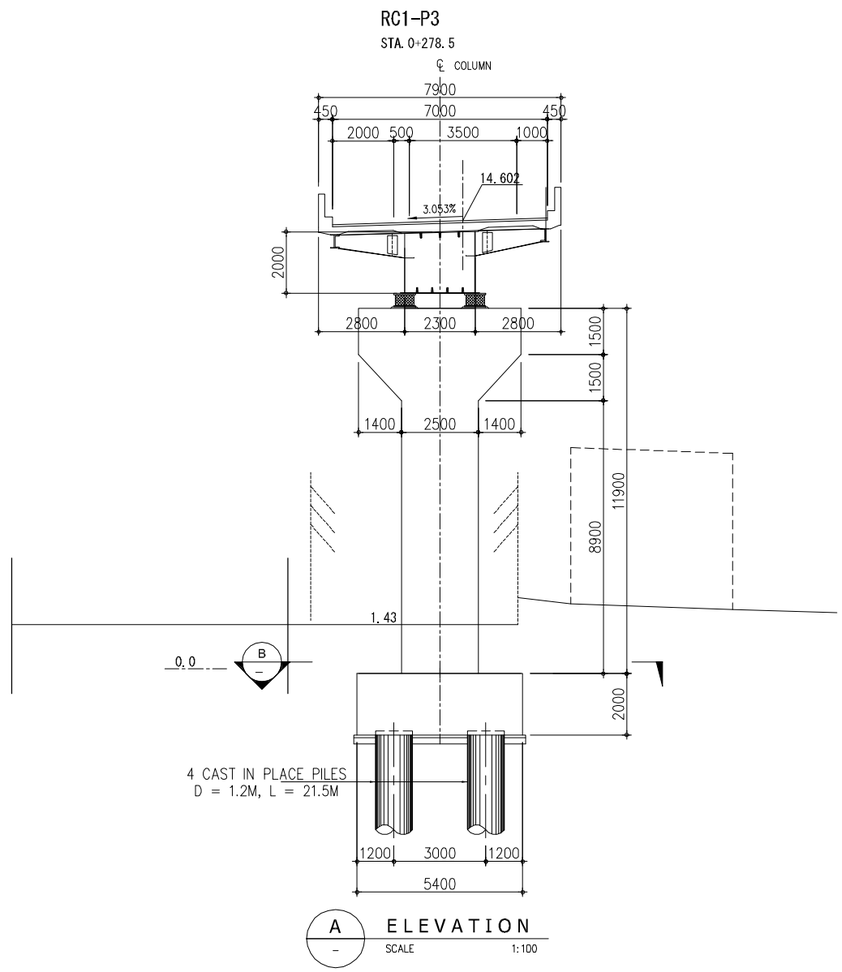


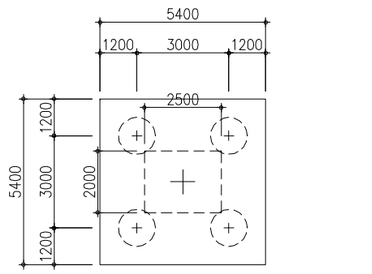
D – TYPICAL FOUNDATION PLAN
SCALE 1:100

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 C1 STEEL BOX GIRDER RC1P1-RC1P5(1/3)	DESIGNED BY: CHECKED BY: APPROVED BY: DWG. NO. B-75

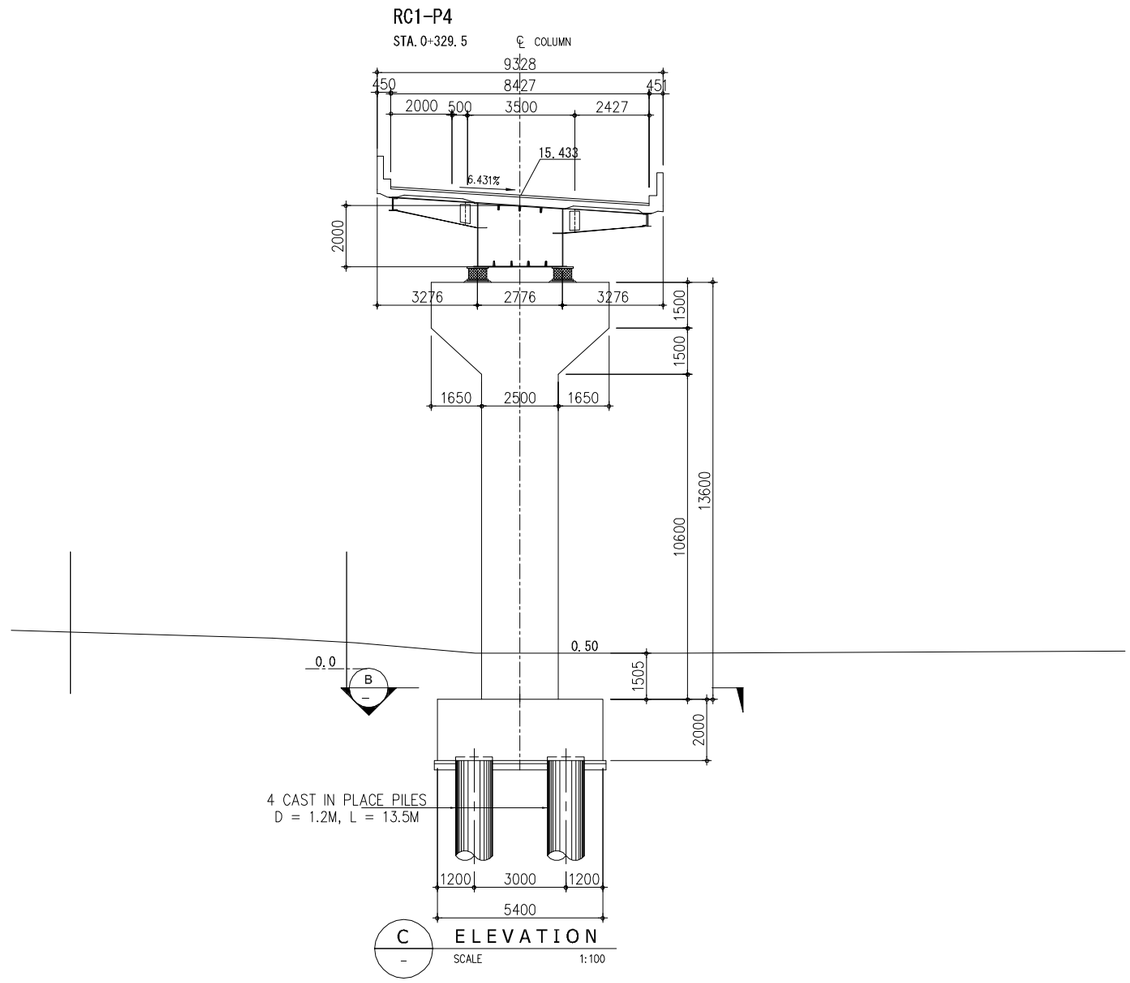
SUBSTRUCTURE GENERAL DRAWING

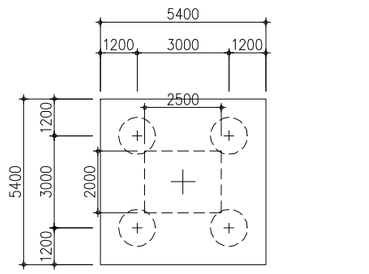
RC1-P3





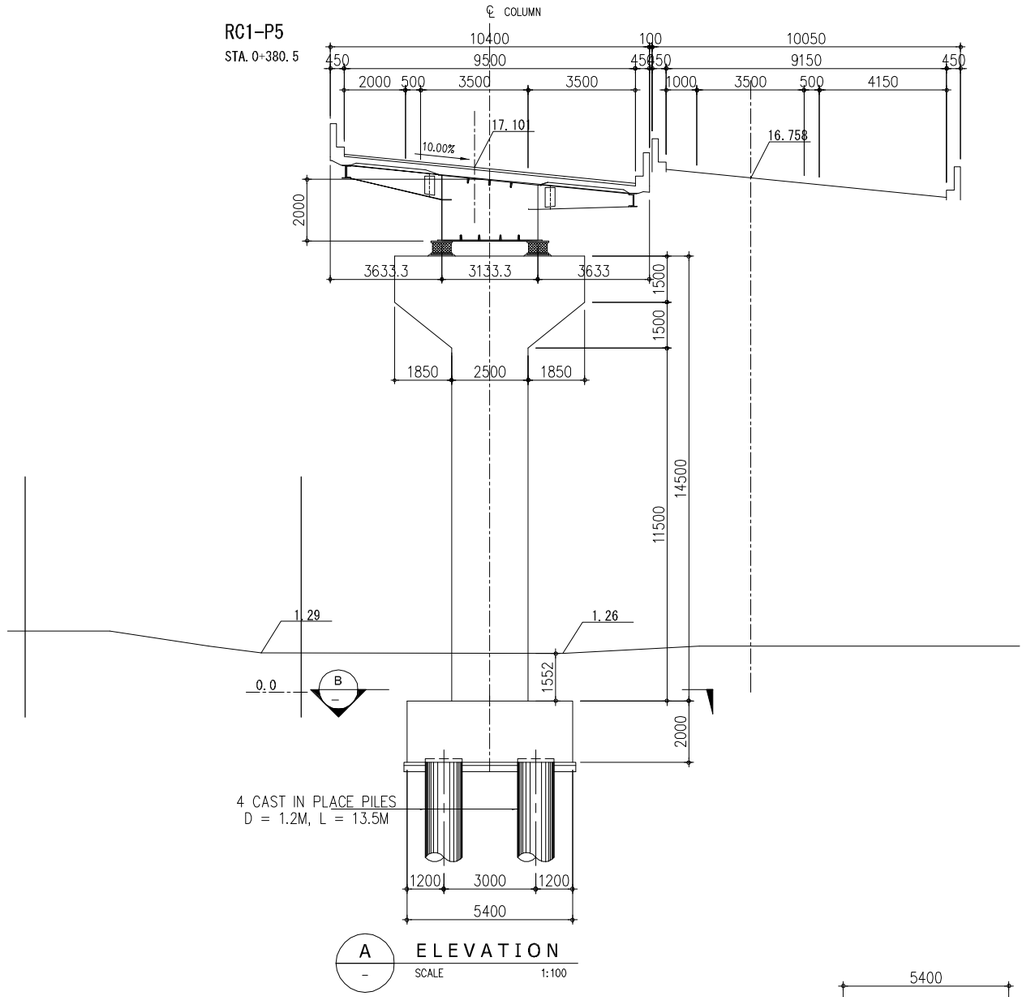
RC1-P4

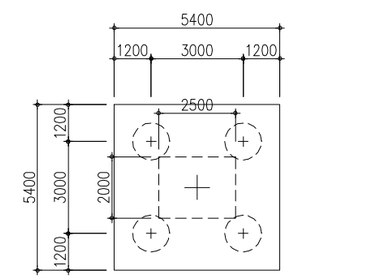




MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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

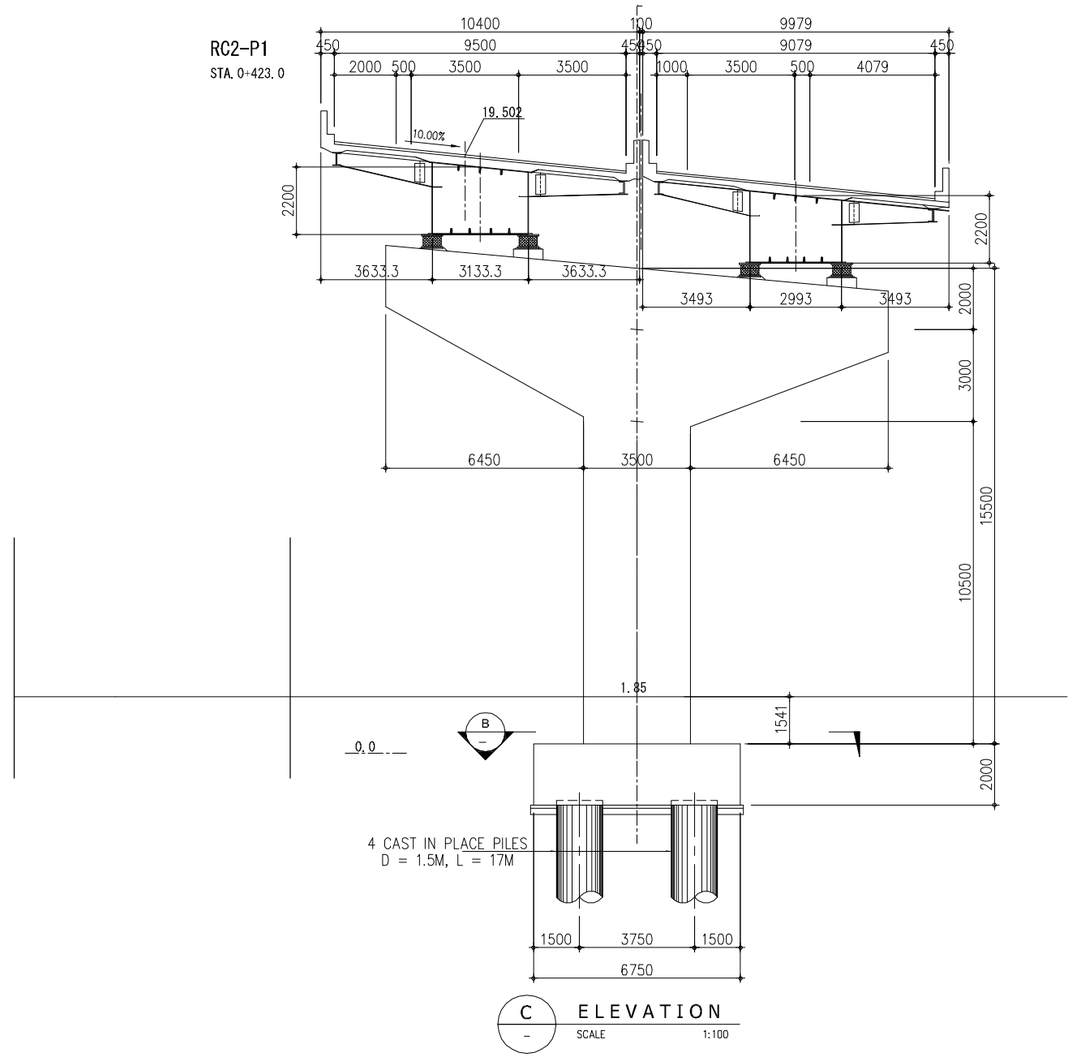
SUBSTRUCTURE GENERAL DRAWING
RC1-P5



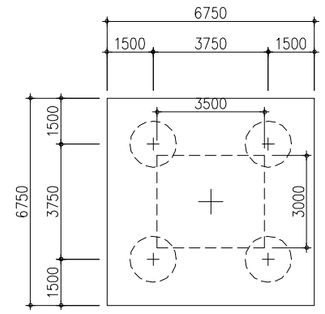


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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



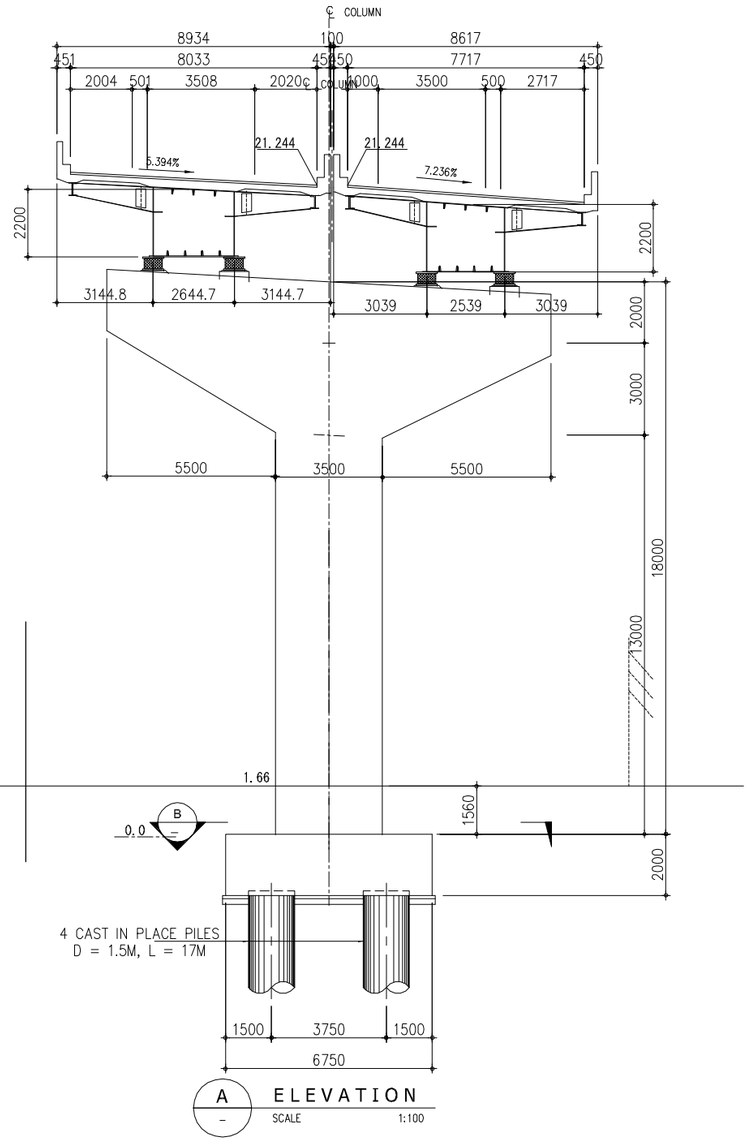
D – TYPICAL FOUNDATION PLAN
SCALE 1:100

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

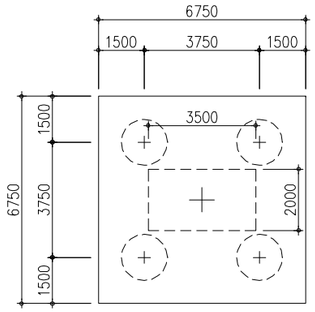
SUBSTRUCTURE GENERAL DRAWING

RC2-P2

RC2-P2
STA. 0+460. 0



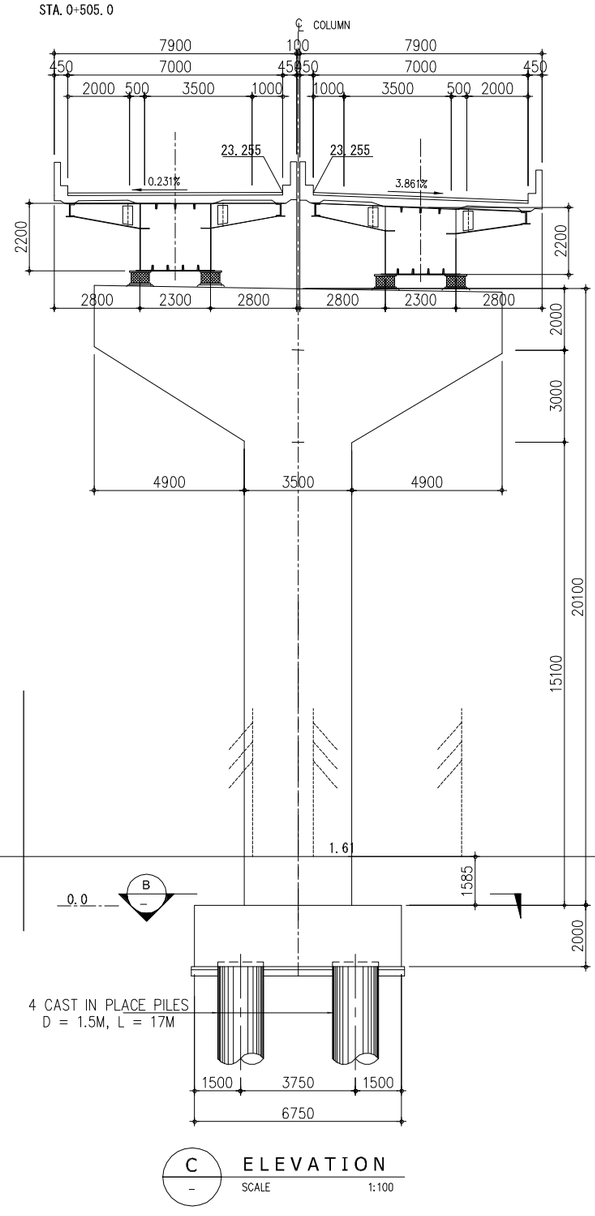
A ELEVATION
SCALE 1:100



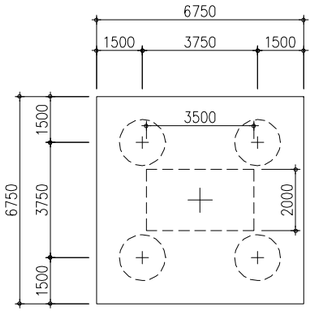
B TYPICAL FOUNDATION PLAN
SCALE 1:100

RC2-P3

RC2-P3
STA. 0+505. 0



C ELEVATION
SCALE 1:100

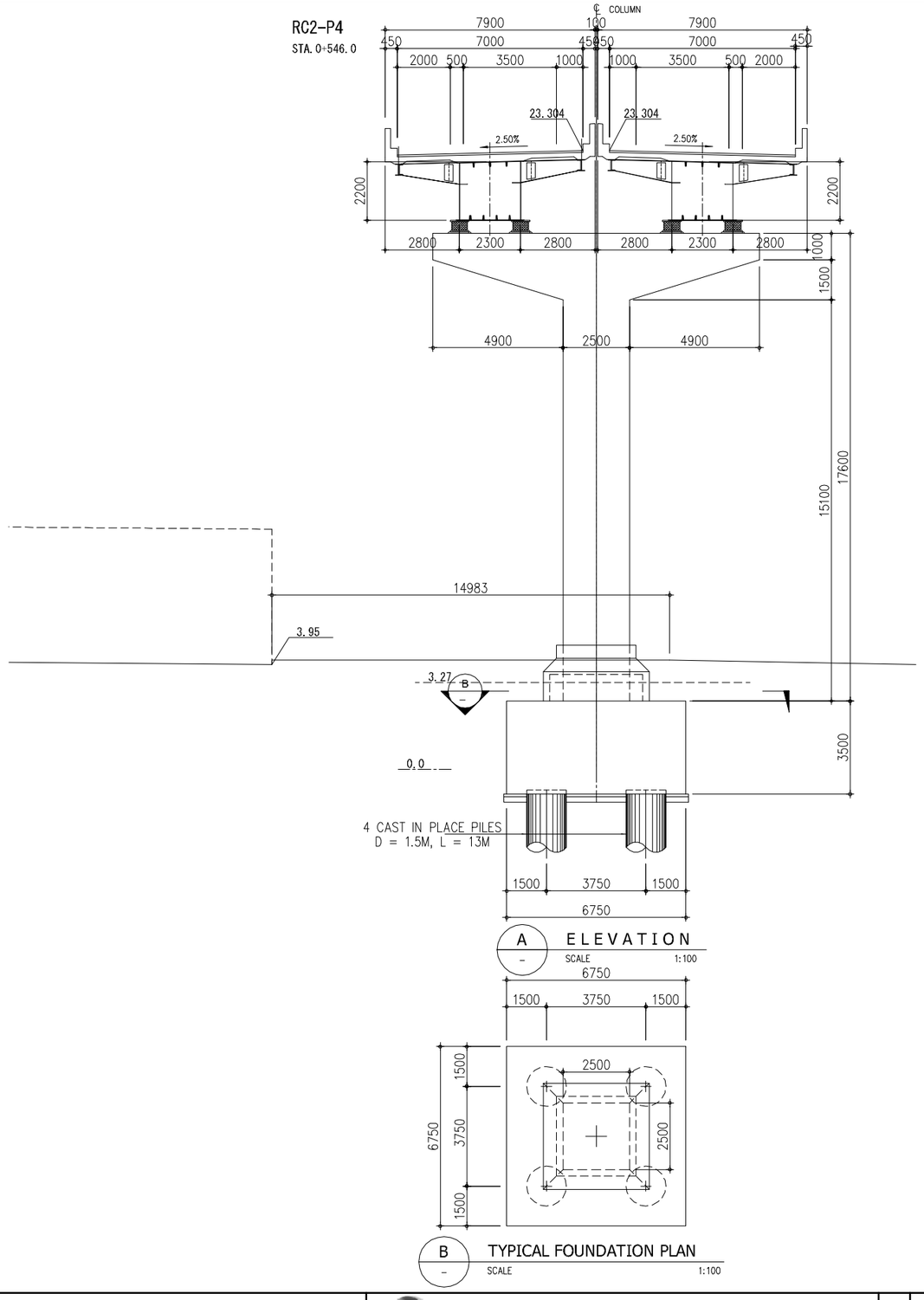


D TYPICAL FOUNDATION PLAN
SCALE 1:100

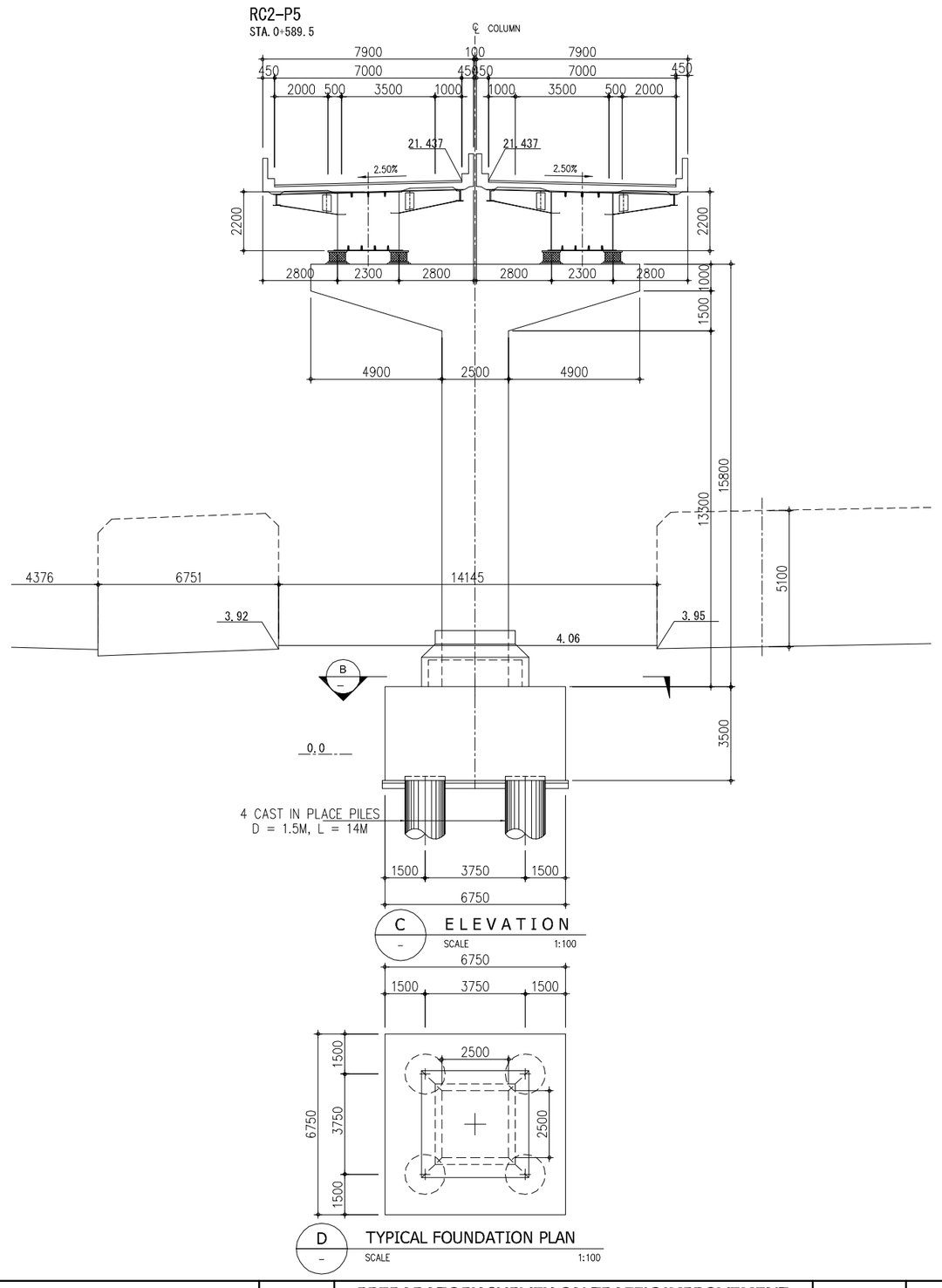
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No / REVISION / DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE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

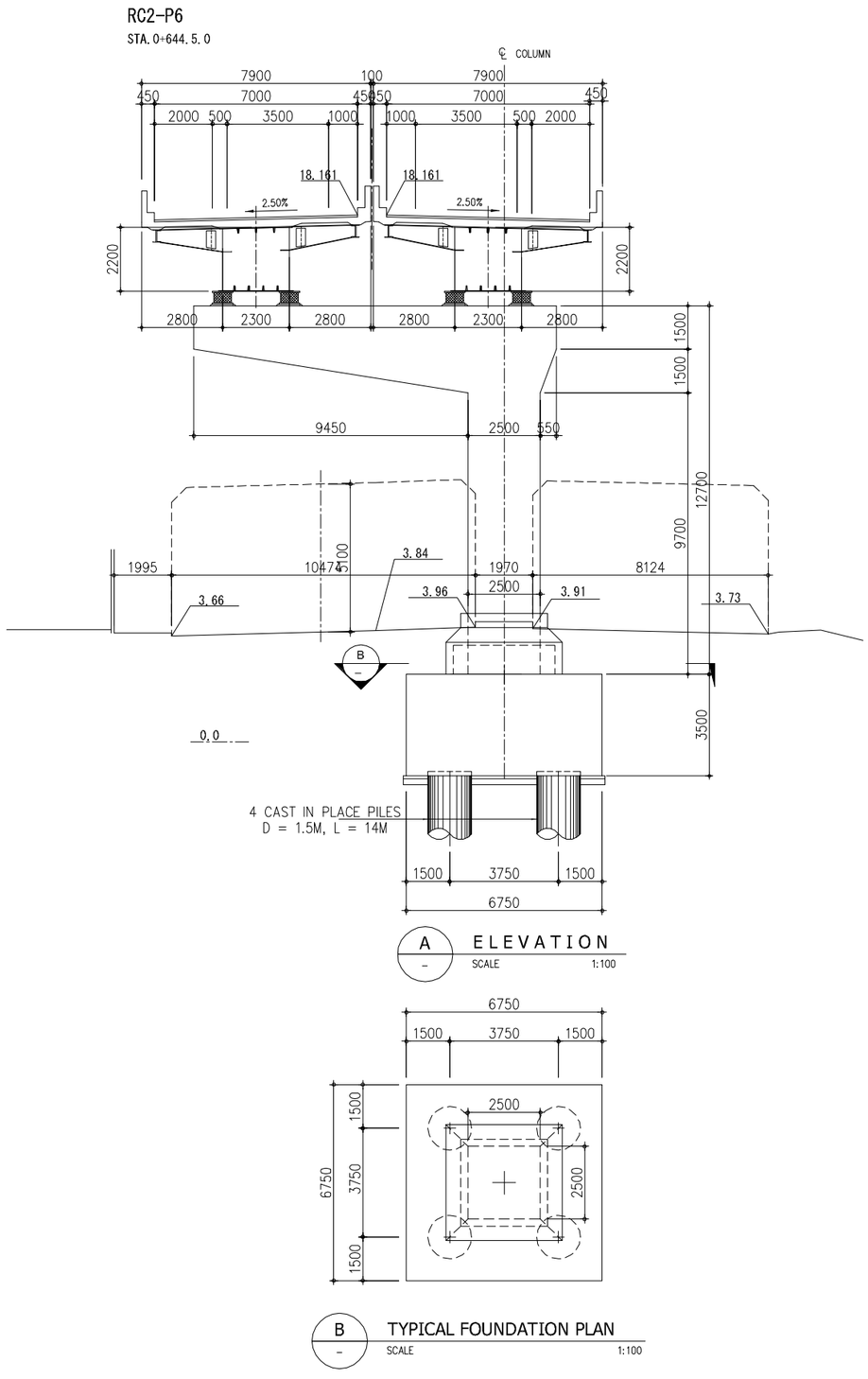
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT
PROJECT AROUND NEW KELANI BRIDGE

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

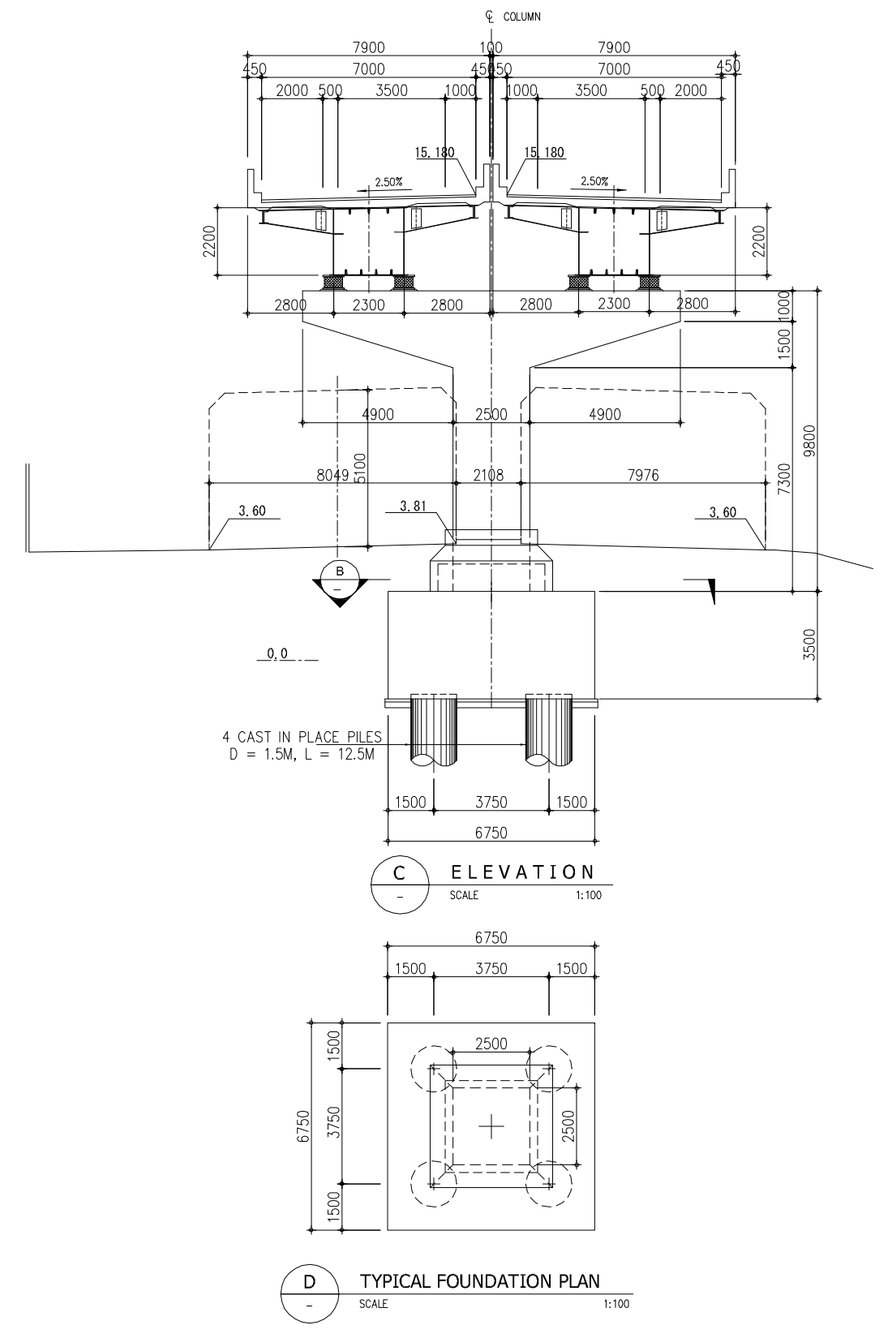
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-80

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

No	REVISION	DATE

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

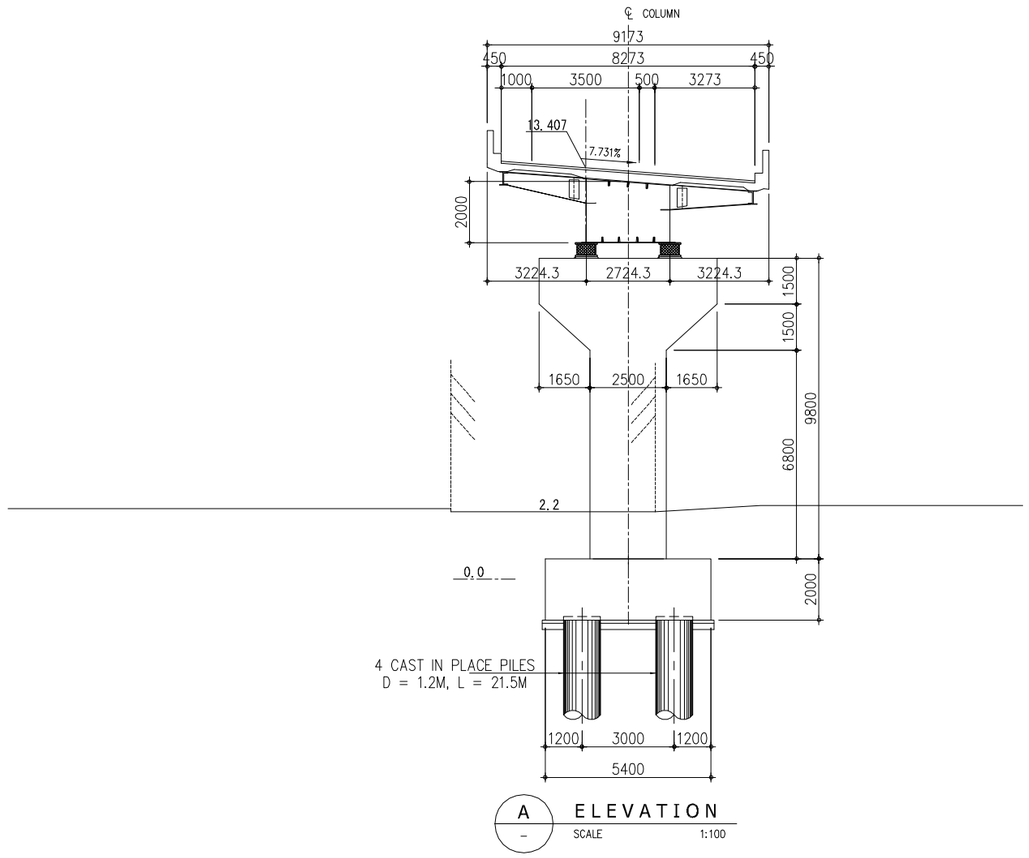
SUBSTRUCTURE GENERAL DRAWING
RAMP C2 STEEL BOX GIRDER
RC2P1-RC2P7(4/4)

DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-81

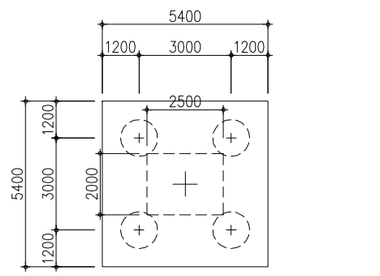
SUBSTRUCTURE GENERAL DRAWING

RD-P1

RD-P1
STA. 0+161.0



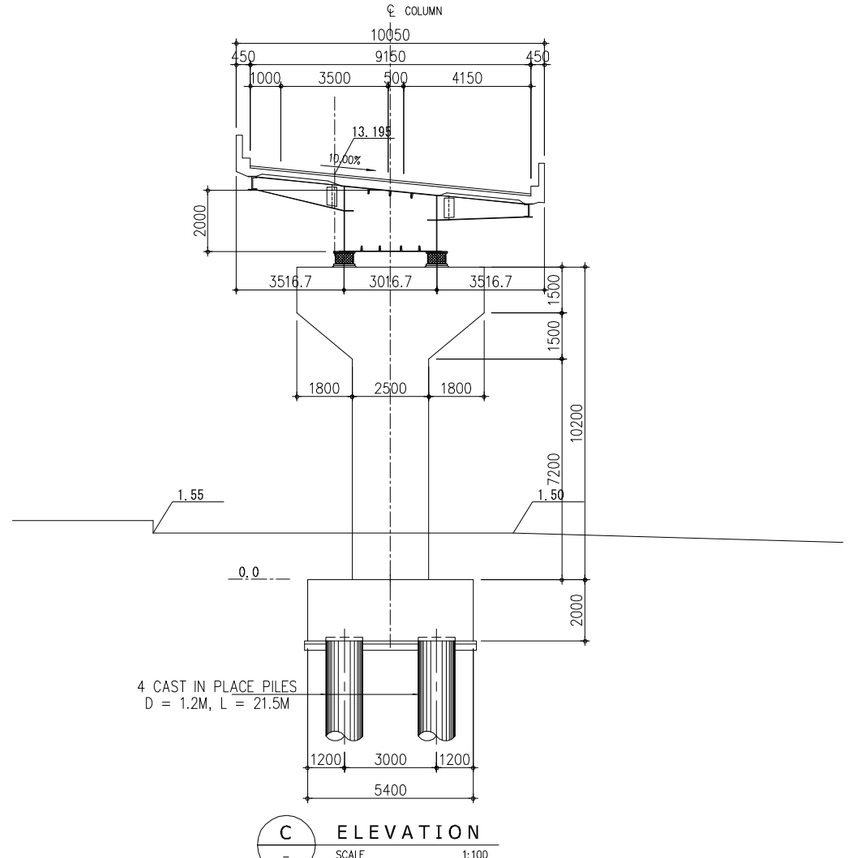
A — ELEVATION
SCALE 1:100



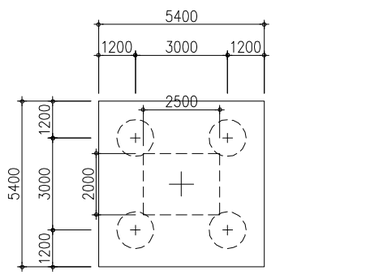
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

RD-P2

RD-P2
STA. 0+211.0



C — ELEVATION
SCALE 1:100

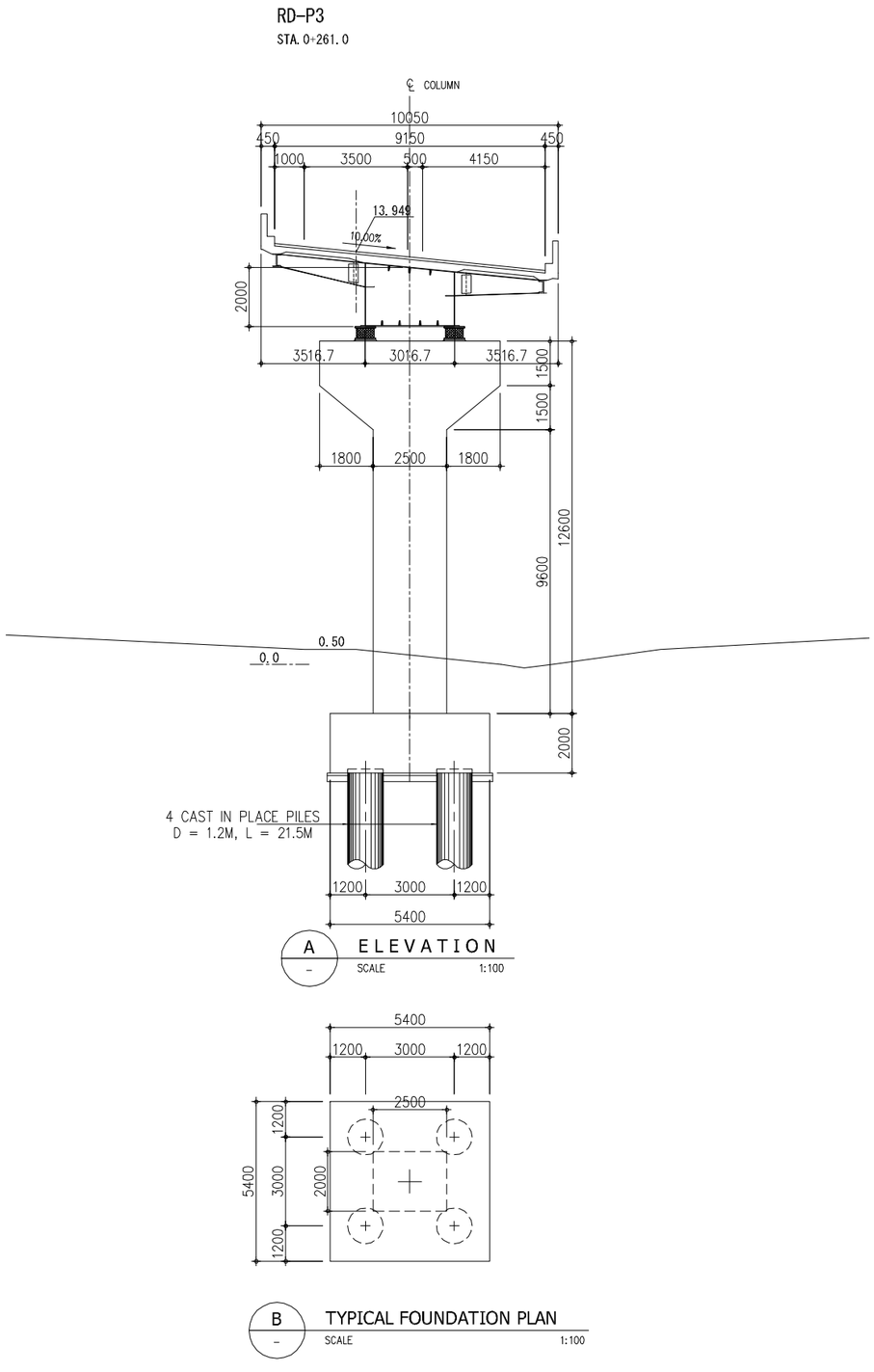


D — TYPICAL FOUNDATION PLAN
SCALE 1:100

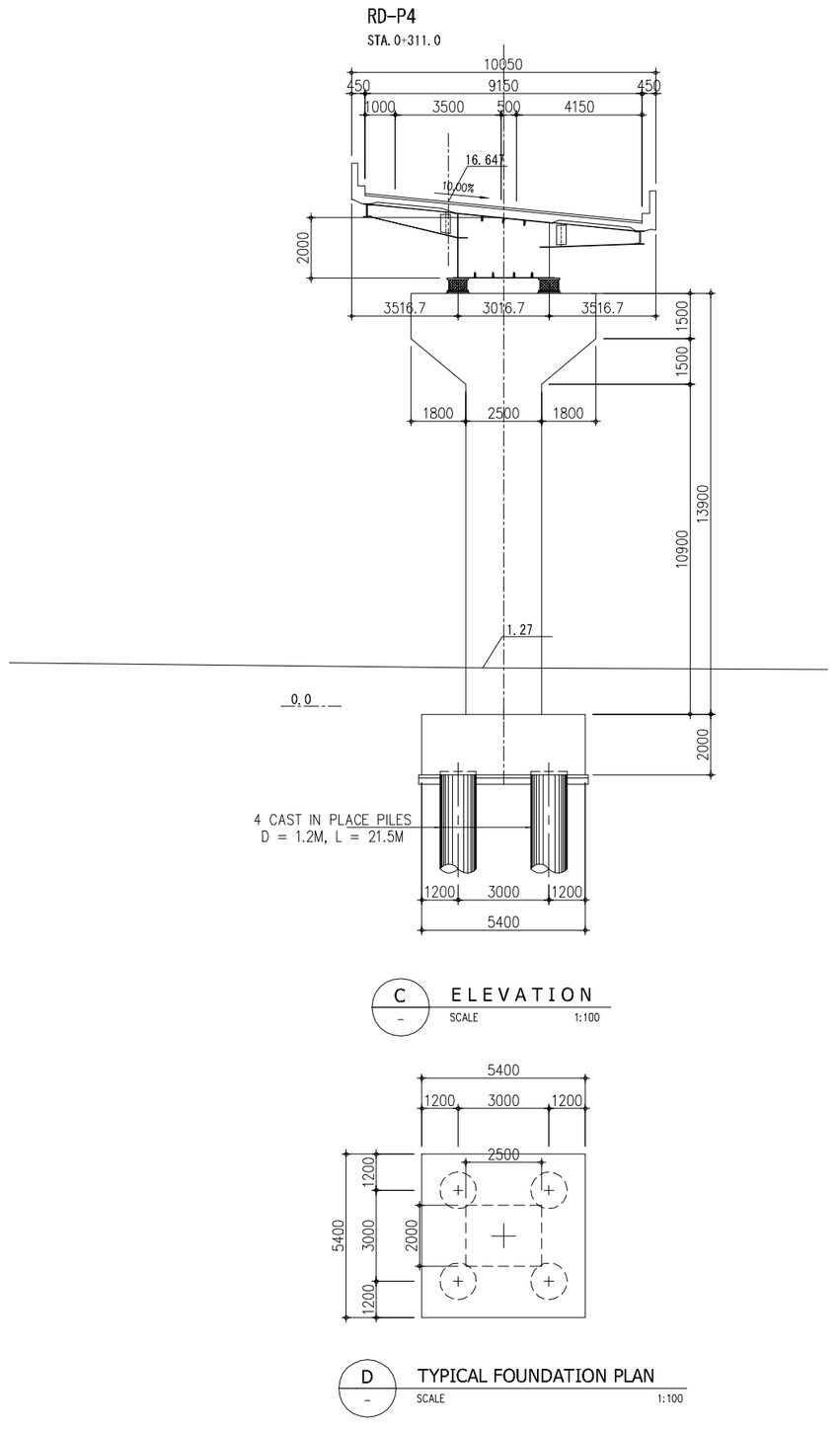
MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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

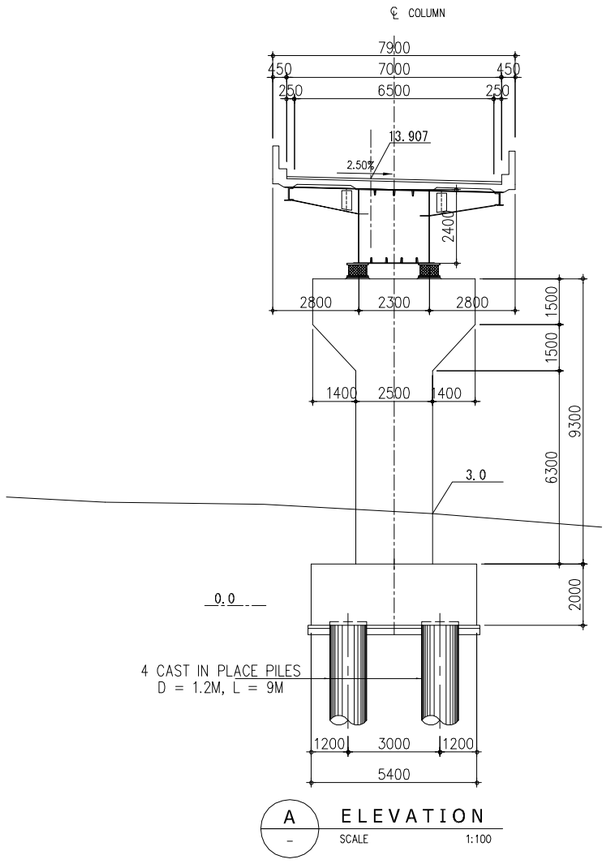
SUBSTRUCTURE GENERAL DRAWING
RAMP D STEEL BOX GIRDER
RDP1-RDP4(2/2)

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

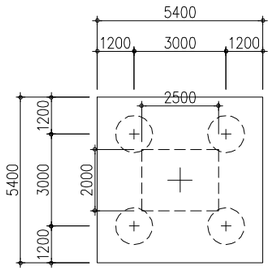
SUBSTRUCTURE GENERAL DRAWING

PJ-P1

PJ-P1
STA. 0+220.5



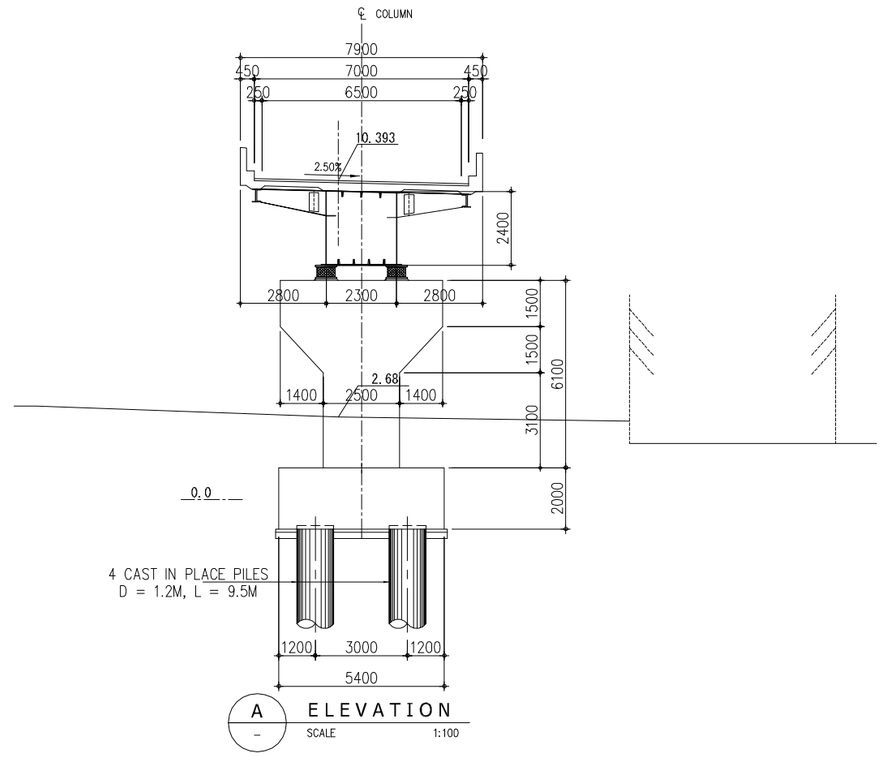
A – ELEVATION
SCALE 1:100



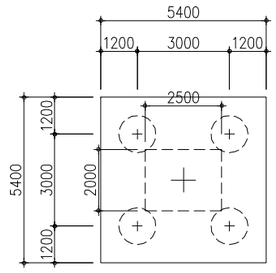
B – TYPICAL FOUNDATION PLAN
SCALE 1:100

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)

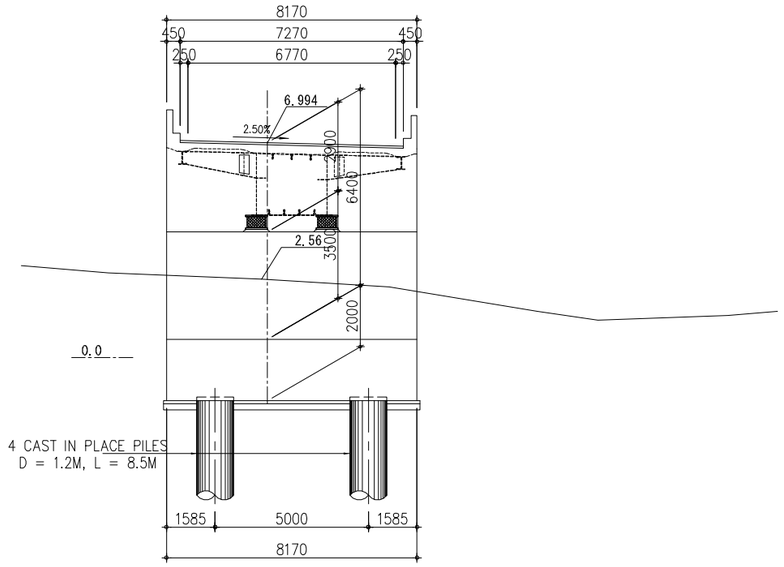
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-84

SUBSTRUCTURE GENERAL DRAWING

PJ-ABUT-J

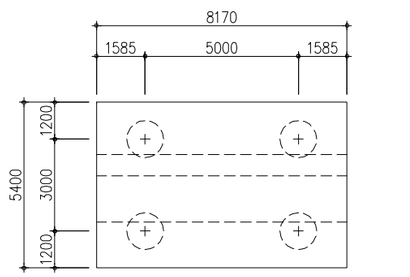
PJ-ABUT-J

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

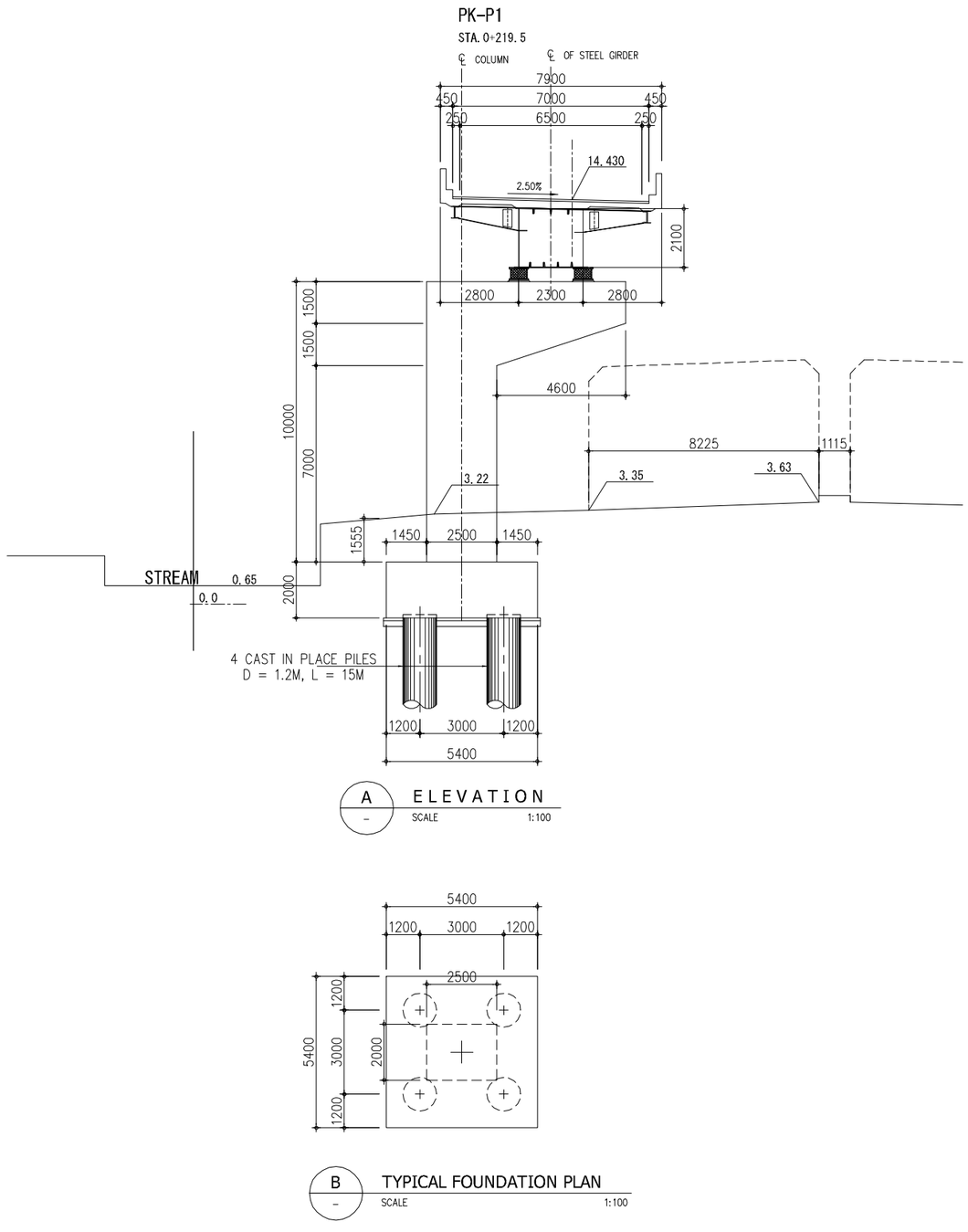
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

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

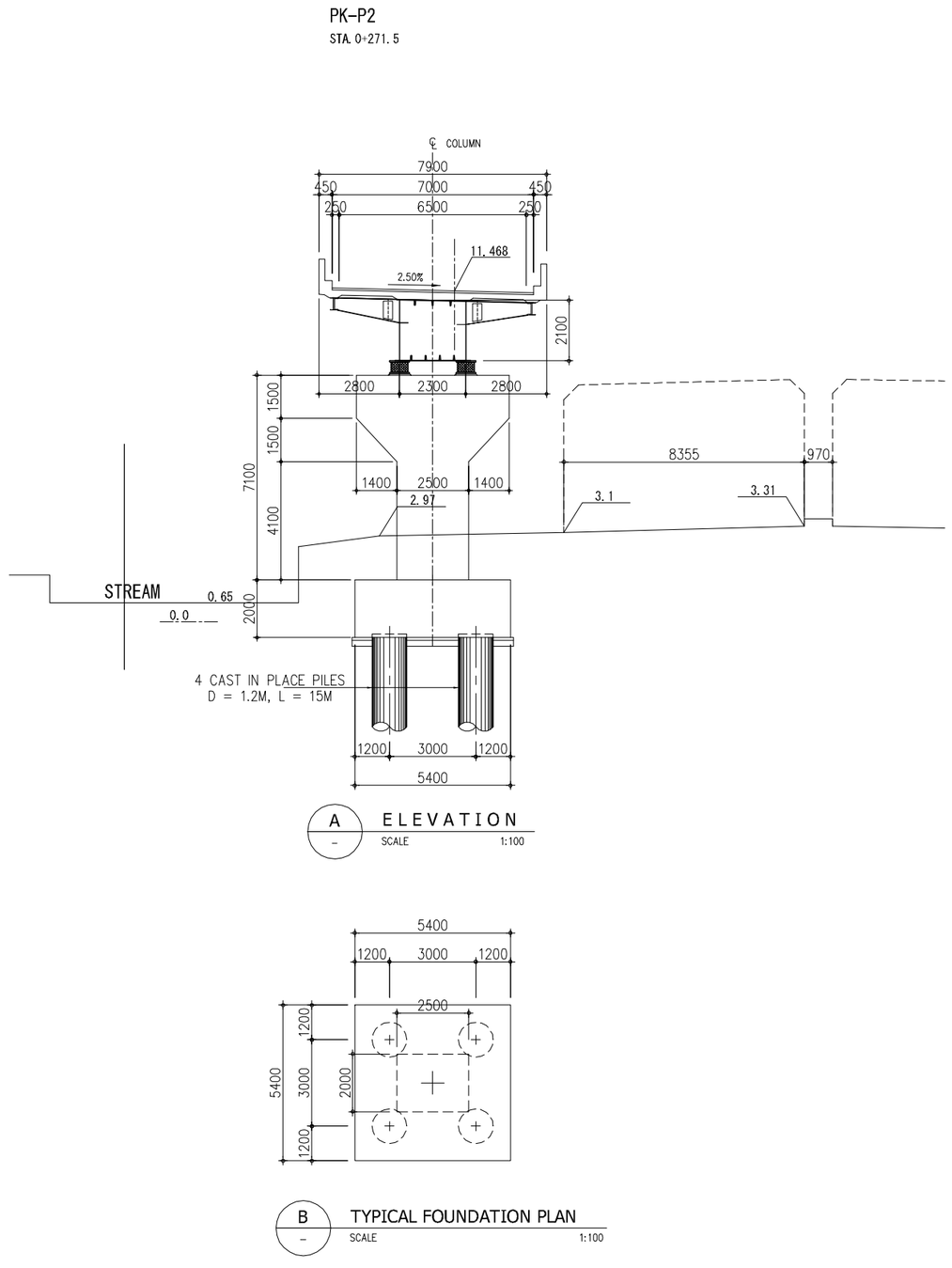
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-85

SUBSTRUCTURE GENERAL DRAWING

PK-P1



PK-P2

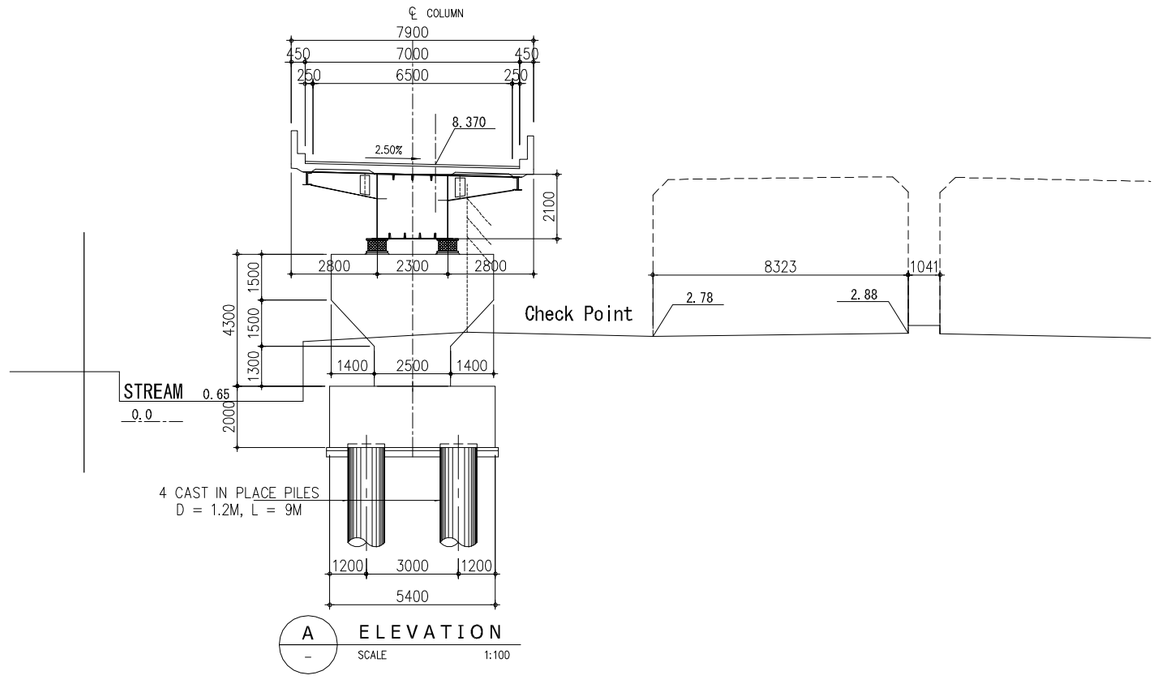


MINISTRY OF PORTS & HIGHWAYS THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA Road Development Authority	JAPAN INTERNATIONAL COOPERATION AGENCY ORIENTAL CONSULTANTS CO., LTD. KATAHIRA & ENGINEERS INTERNATIONAL	No	REVISION	DATE	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE SUBSTRUCTURE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

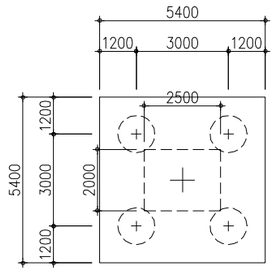
SUBSTRUCTURE GENERAL DRAWING

PK-P3

PK-P3
STA. 0+323.5



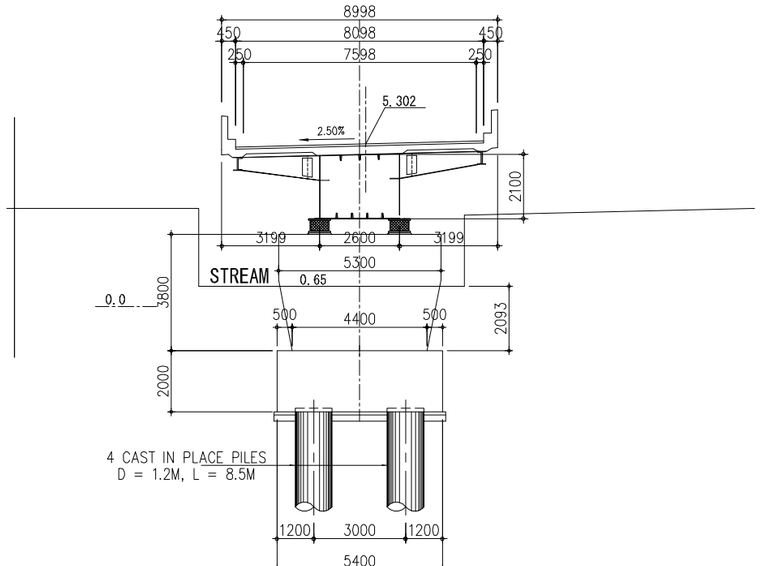
A — ELEVATION
SCALE 1:100



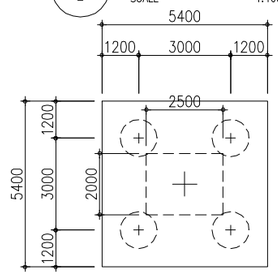
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

PK-P4

PK-P4
STA. 0+375.0



A — ELEVATION
SCALE 1:100



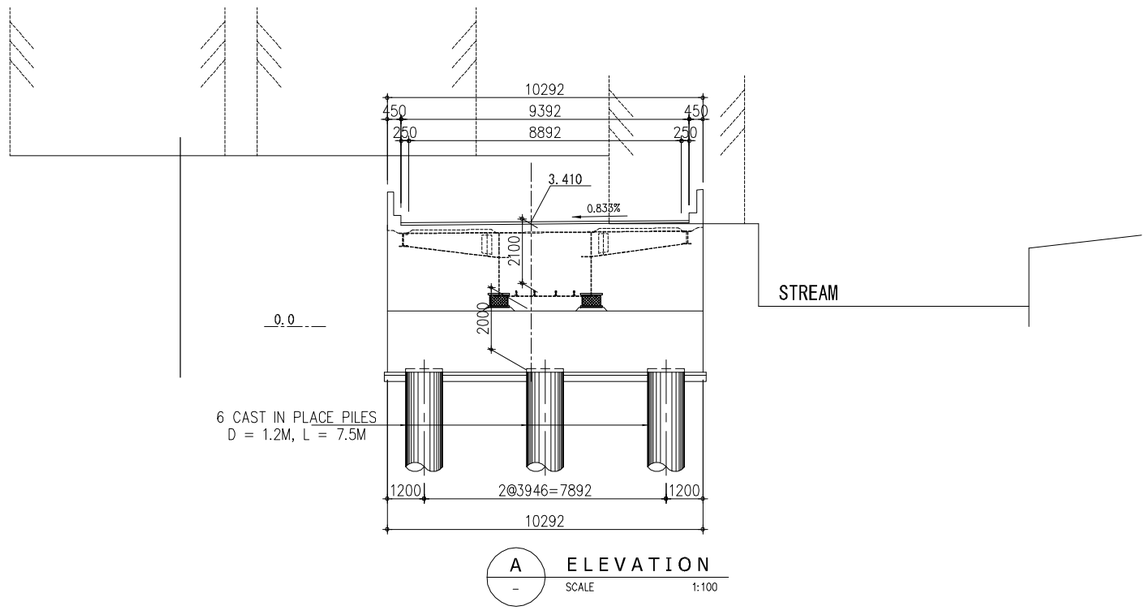
B — TYPICAL FOUNDATION PLAN
SCALE 1:100

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

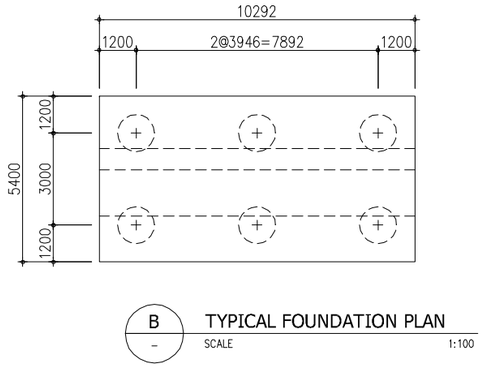
SUBSTRUCTURE GENERAL DRAWING

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)

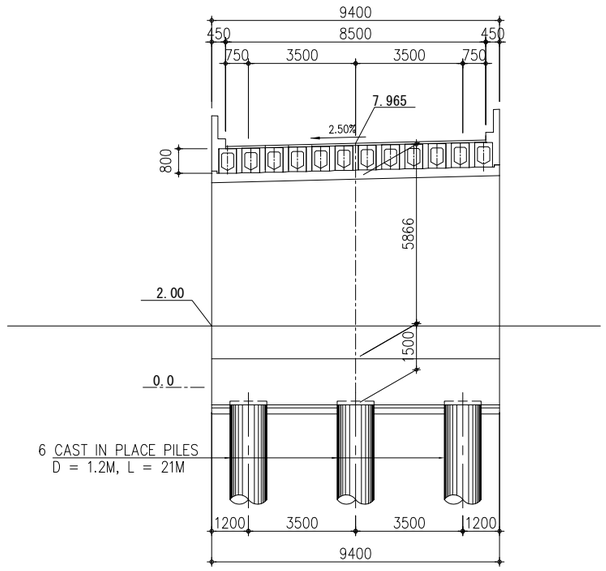
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-88

SUBSTRUCTURE GENERAL DRAWING

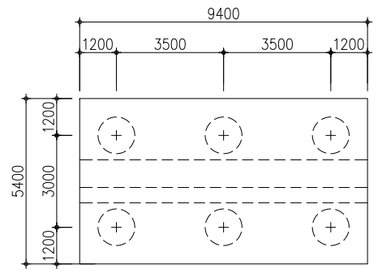
CKE-RA1

CKE-RA1

STA. 0+249.000



A – ELEVATION
SCALE 1:100

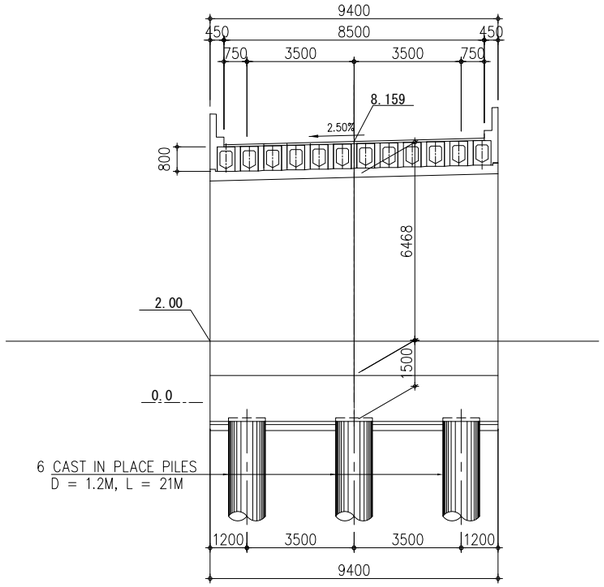


B – TYPICAL FOUNDATION PLAN
SCALE 1:100

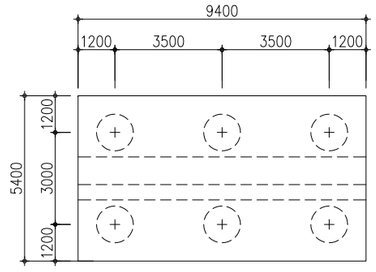
CKE-RA2

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)

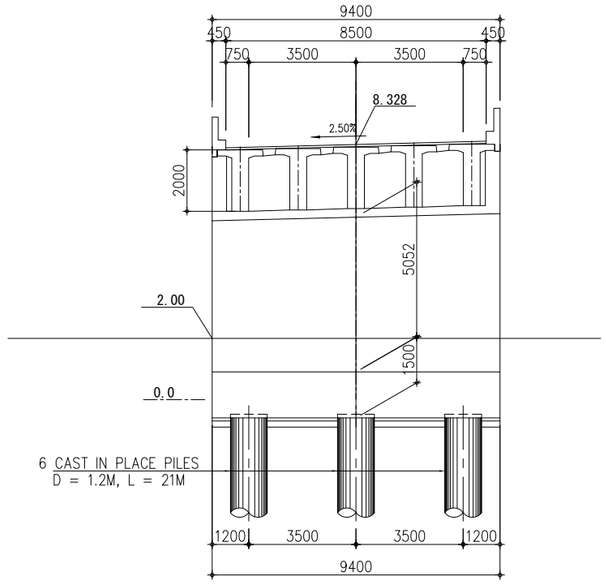
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-89

SUBSTRUCTURE GENERAL DRAWING

CKE-RA3

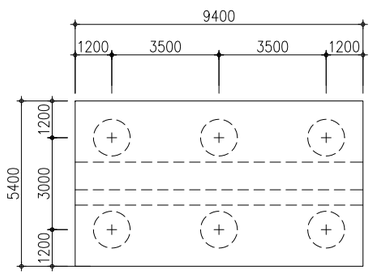
CKE-RA3

STA. 0+303. 000



A – ELEVATION

SCALE 1:100



B – TYPICAL FOUNDATION PLAN

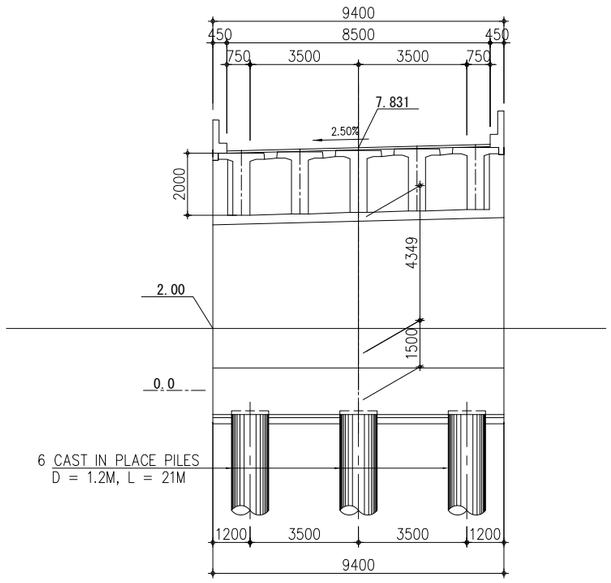
SCALE 1:100

CKE-RA4

CKE-RA4

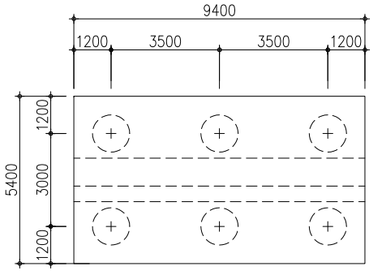
STA. 0+327. 000

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)

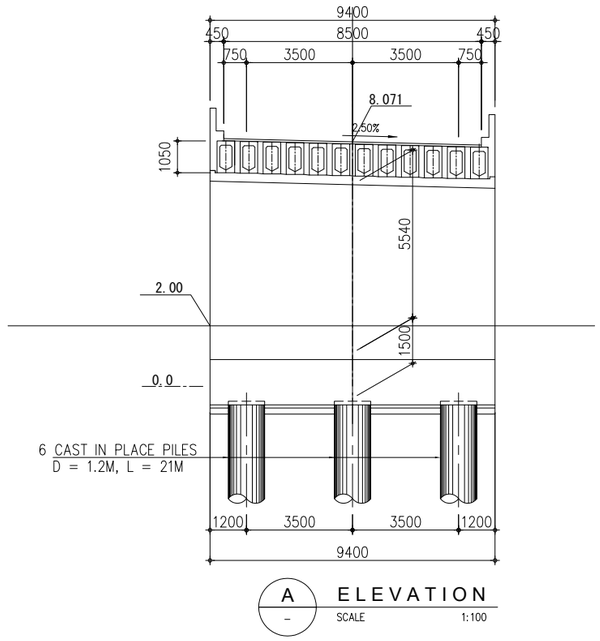
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-90

SUBSTRUCTURE GENERAL DRAWING

CKE-RB1

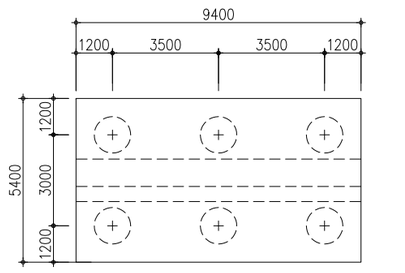
CKE-RB1

STA. 0+351. 000



A – ELEVATION

SCALE 1:100



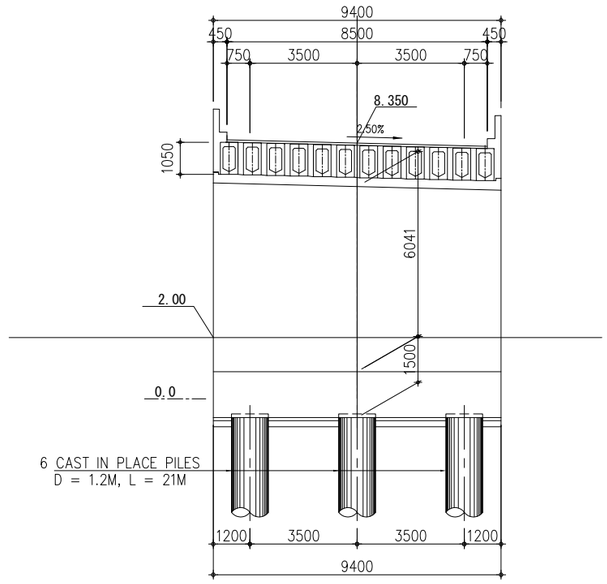
B – TYPICAL FOUNDATION PLAN

SCALE 1:100

CKE-RB2

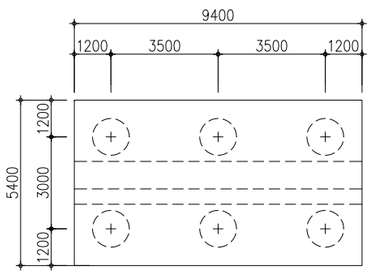
CKE-RB2

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)

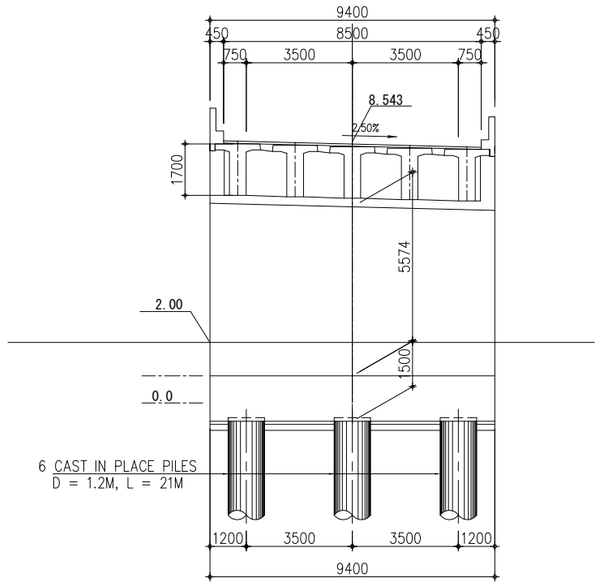
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	
DWG. NO.	B-91

SUBSTRUCTURE GENERAL DRAWING

CKE-RB3

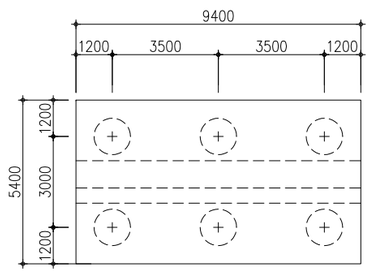
CKE-RB3

STA. 0+443. 000



A – ELEVATION

SCALE 1:100



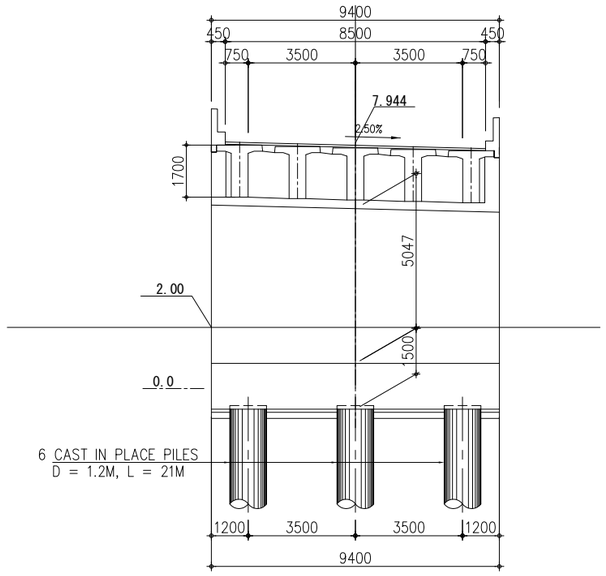
B – TYPICAL FOUNDATION PLAN

SCALE 1:100

CKE-RB4

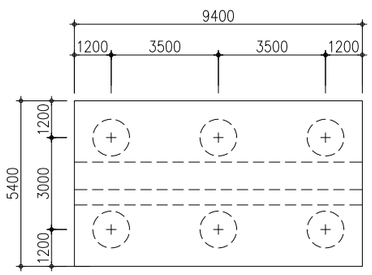
CKE-RB4

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
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

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