

A'NASEEM GARDEN(B)

SECTION		A1	A1-GE1	A1-S1	C4	P1-S1	P1-GE1	P1	P1-GE2	P1-S2
STATION		1 + 61.0000	1 + 61.0500	1 + 61.5000	1 + 77.0000	1 + 92.5000	1 + 92.9500	1 + 93.0000	1 + 93.0500	1 + 93.5000
L1	X	0.1143	0.1643	0.6142	16.1076	31.6014	32.0514	32.1014	32.1513	32.6013
	Y	6.349	6.3481	6.34	6.0771	5.8441	5.8378	5.8371	5.8364	5.8357
	Z	17.0602	17.0609	17.0674	17.2778	17.4642	17.4692	17.4698	17.4704	17.4710
L2	X	0.0963	0.1463	0.5962	16.0916	31.5874	32.0374	32.0874	32.1373	32.5873
	Y	5.3491	5.3482	5.3401	5.0772	4.8442	4.8379	4.8372	4.8365	4.8358
	Z	17.1452	17.1459	17.1524	17.3628	17.5492	17.5542	17.5548	17.5554	17.5560
CL	X	0.0747	0.1247	0.5746	16.0724	31.5706	32.0206	32.0706	32.1205	32.5705
	Y	4.1493	4.1484	4.1403	3.8773	3.6444	3.638	3.6373	3.6366	3.6359
	Z	17.1272	17.1279	17.1344	17.3448	17.5312	17.5362	17.5368	17.5374	17.5380
G6(PIER CENTER)	X	0	0.05	0.4999	16.0062	31.5125	31.9625	32.0125	32.0625	32.5125
	Y	0	-0.0008	-0.008	-0.2561	-0.5043	-0.5115	-0.5123	-0.5129	-0.518
	Z	17.085	17.0857	17.0721	17.2828	17.469	17.474	17.4746	17.4751	17.480
L3	X	-0.0963	-0.0463	0.4036	15.9204	31.4376	31.8876	31.9376	31.9876	32.4376
	Y	-5.3491	-5.35	-5.3581	-5.6215	-5.8547	-5.861	-5.8617	-5.8624	-5.868
	Z	16.9847	16.9854	16.9919	17.2023	17.3887	17.3937	17.3943	17.3949	17.399
L4	X	-0.1143	-0.0643	0.3856	15.9044	31.4236	31.8736	31.9236	31.9736	32.4236
	Y	-6.349	-6.3499	-6.358	-6.6213	-6.8546	-6.8609	-6.8616	-6.8623	-6.868
	Z	16.8697	16.8704	16.8769	17.0873	17.2737	17.2787	17.2793	17.2799	17.284

NOTES:

	P1-S1	P1-GE1	P1	P1-GE2	P1-S2	C11	P2-S1	P2-GE1	P2	P2-GE2	P2-S2	C18	P3-S1	P3-GE1	P3	P3-GE2	P3-S2	C25	P4-S1	P4-GE1	P4
0	1 + 92.5000	1 + 92.9500	1 + 93.0000	1 + 93.0500	1 + 93.5000	1 + 109.0000	1 + 124.5000	1 + 124.9500	1 + 125.0000	1 + 125.0500	1 + 125.5000	1 + 141.0000	1 + 156.5000	1 + 156.9500	1 + 157.0000	1 + 157.0500	1 + 157.5000	1 + 173.0000	1 + 188.5000	1 + 188.9500	1 + 189.0000
5	31.6014	32.0514	32.1014	32.1513	32.6013	48.0956	63.5903	64.0402	64.0902	64.1402	64.5902	80.0852	95.5804	96.0304	96.0804	96.1304	96.5804	112.0758	127.5713	128.0213	128.0713
1	5.8441	5.8378	5.8371	5.8364	5.8301	5.6292	5.4583	5.4537	5.4532	5.4527	5.4483	5.3093	5.2003	5.1976	5.1973	5.197	5.1943	5.1173	5.0704	5.0695	5.069
8	17.4642	17.4692	17.4698	17.4704	17.4754	17.6362	17.773	17.7766	17.777	17.7774	17.781	17.8922	17.9794	17.9816	17.9818	17.982	17.9842	18.0458	18.0834	18.0841	18.0848
6	31.5874	32.0374	32.0874	32.1373	32.5873	48.0836	63.5803	64.0302	64.0802	64.1302	64.5802	80.0772	95.5744	96.0244	96.0744	96.1244	96.5744	112.0718	127.5693	128.0193	128.0693
2	4.8442	4.8379	4.8372	4.8365	4.8302	4.6293	4.4583	4.4538	4.4533	4.4528	4.4483	4.3093	4.2003	4.1976	4.1973	4.197	4.1943	4.1173	4.0704	4.0695	4.069
8	17.5492	17.5542	17.5548	17.5554	17.5604	17.7212	17.858	17.8616	17.862	17.8624	17.866	17.9772	18.0644	18.0666	18.0668	18.067	18.0692	18.1308	18.1684	18.1691	18.1698
4	31.5706	32.0206	32.0706	32.1205	32.5705	48.0692	63.5683	64.0182	64.0682	64.1182	64.5682	80.0676	95.5672	96.0172	96.0672	96.1172	96.5672	112.067	127.5669	128.0169	128.0669
3	3.6444	3.638	3.6373	3.6366	3.6304	3.4293	3.2584	3.2539	3.2534	3.2529	3.2484	3.1094	3.0004	2.9977	2.9974	2.9971	2.9944	2.9174	2.8704	2.8695	2.869
8	17.5312	17.5362	17.5368	17.5374	17.5424	17.7032	17.84	17.8436	17.844	17.8444	17.848	17.9592	18.0464	18.0486	18.0488	18.049	18.0512	18.1128	18.1504	18.1511	18.1518
2	31.5125	31.9625	32.0125	32.0625	32.5124	48.0196	63.5268	63.9767	64.0267	64.0767	64.5267	80.0345	95.5423	95.9923	96.0423	96.0923	96.5423	112.0505	127.5586	128.0086	128.0586
1	-0.5043	-0.5115	-0.5123	-0.5129	-0.5183	-0.7043	-0.8904	-0.8958	-0.8964	-0.8968	-0.9004	-1.0245	-1.1488	-1.1522	-1.1526	-1.1528	-1.1546	-1.2166	-1.2786	-1.2804	-1.2822
8	17.469	17.474	17.4746	17.4751	17.4801	17.6412	17.7778	17.7814	17.7818	17.7822	17.7858	17.8972	17.9842	17.9863	17.9865	17.9868	17.989	18.0508	18.0882	18.0889	18.0896
4	31.4376	31.8876	31.9376	31.9876	32.4375	47.9552	63.4733	63.9232	63.9732	64.0232	64.4732	79.9916	95.5102	95.9602	96.0102	96.0602	96.5102	112.029	127.5479	127.9979	128.0479
5	-5.8547	-5.861	-5.8617	-5.8624	-5.8687	-6.07	-6.2412	-6.2457	-6.2462	-6.2467	-6.2512	-6.3903	-6.4995	-6.5022	-6.5025	-6.5028	-6.5055	-6.5826	-6.6296	-6.6305	-6.6312
3	17.3887	17.3937	17.3943	17.3949	17.3999	17.5607	17.6975	17.7011	17.7015	17.7019	17.7055	17.8167	17.9039	17.9061	17.9063	17.9065	17.9087	17.9703	18.0079	18.0086	18.0093
4	31.4236	31.8736	31.9236	31.9736	32.4235	47.9432	63.4633	63.9132	63.9632	64.0132	64.4632	79.9836	95.5042	95.9542	96.0042	96.0542	96.5042	112.025	127.5459	127.9959	128.0459
3	-6.8546	-6.8609	-6.8616	-6.8623	-6.8686	-7.0699	-7.2411	-7.2456	-7.2461	-7.2466	-7.2511	-7.3903	-7.4994	-7.5022	-7.5025	-7.5028	-7.5054	-7.5826	-7.6296	-7.6305	-7.6312
3	17.2737	17.2787	17.2793	17.2799	17.2849	17.4457	17.5825	17.5861	17.5865	17.5869	17.5905	17.7017	17.7889	17.7911	17.7913	17.7915	17.7937	17.8553	17.8929	17.8936	17.8943

FRAMING PLAN AT RA/02 A'NASEEM GARDEN (B-LINE)

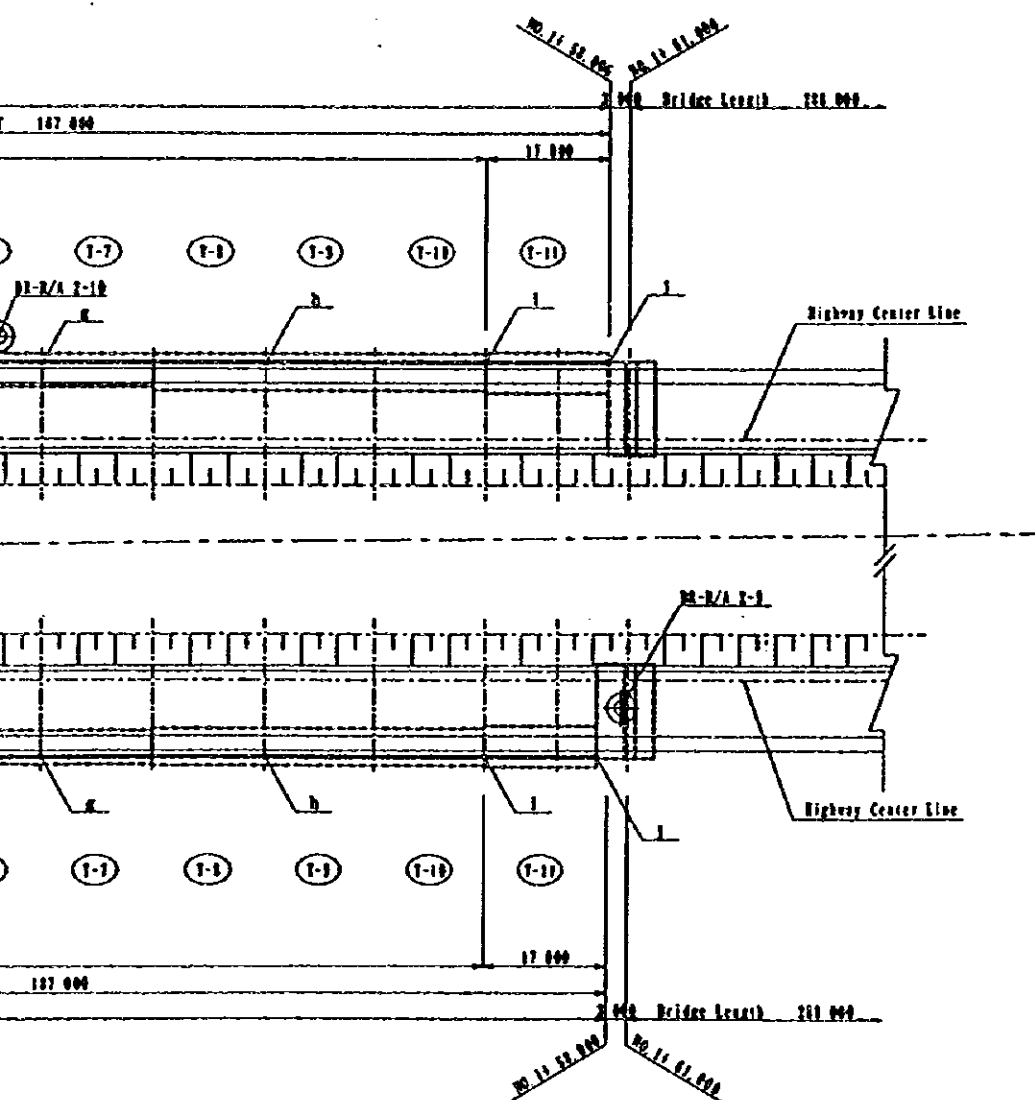
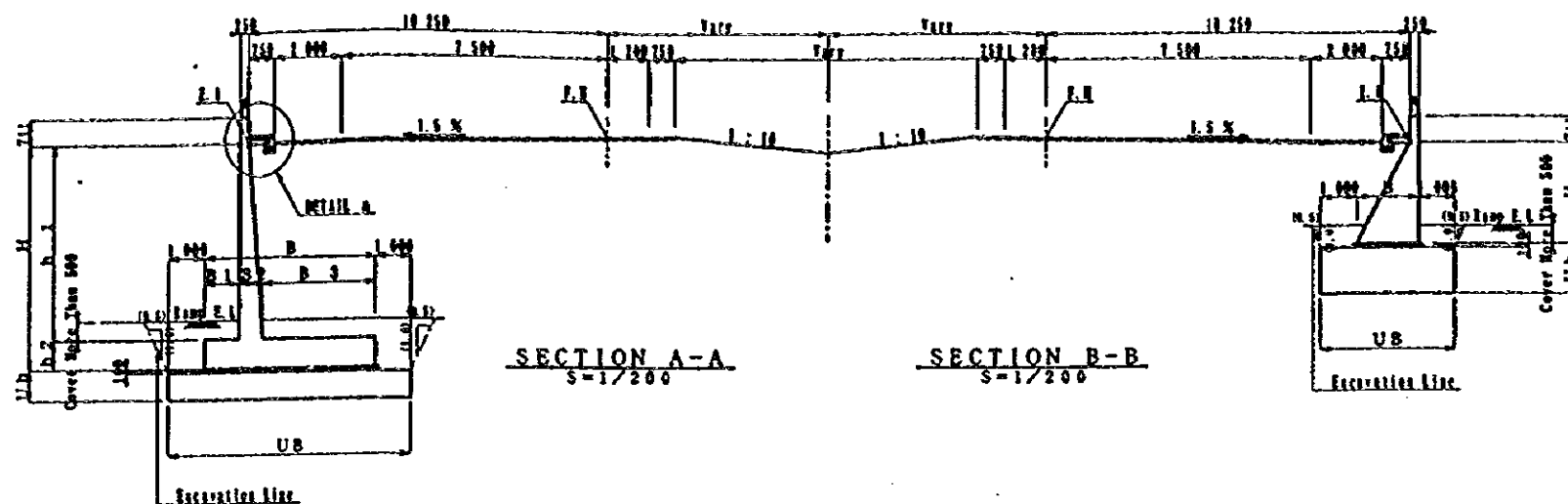
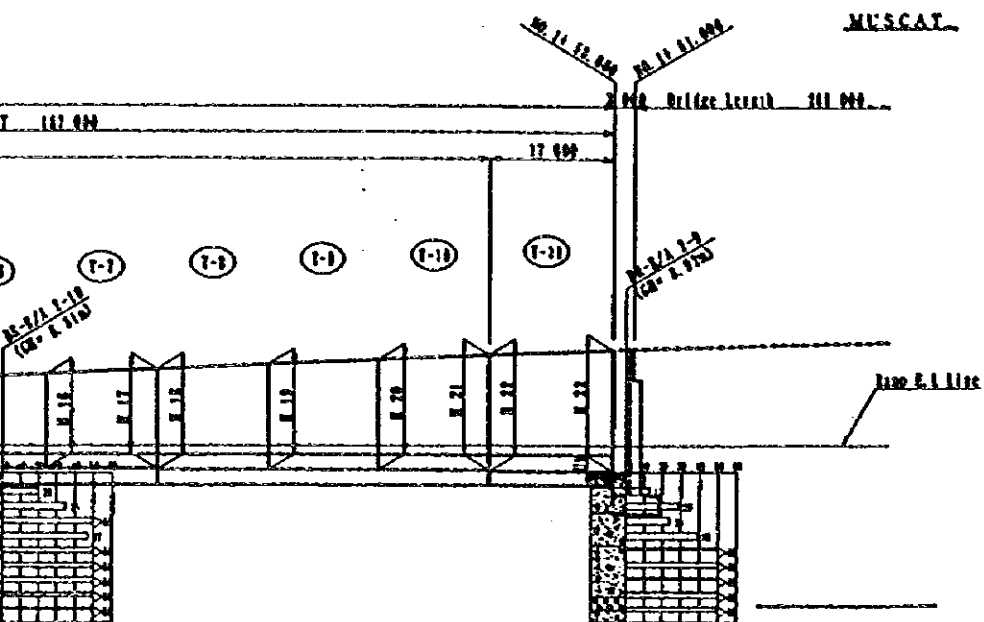
-GE2	P3-S2	C25	P4-S1	P4-GE1	P4	P4-GE2	P4-S2	C32	P5-S1	P5-GE1	P5	P5-GE2	P5-S2	C39	P6-S1	P6-GE1	P6	P6-GE2	P6-S2	C46
157.0500	1 + 157.5000	1 + 173.0000	1 + 188.5000	1 + 188.9500	1 + 189.0000	1 + 189.0500	1 + 189.5000	1 + 205.0000	1 + 220.5000	1 + 220.9500	1 + 221.0000	1 + 221.0500	1 + 221.5000	1 + 237.0000	1 + 252.5000	1 + 252.9500	1 + 253.0000	1 + 253.0500	1 + 253.5000	1 + 269.0000
96.1304	96.5804	112.0758	127.5713	128.0213	128.0713	128.1213	128.5713	144.0669	159.5625	160.0125	160.0625	160.1125	160.5625	176.058	191.5534	192.0034	192.0534	192.1034	192.5534	208.0486
5.197	5.1943	5.1173	5.0704	5.0695	5.0694	5.0693	5.0684	5.0534	5.0684	5.0693	5.0694	5.0695	5.0704	5.1173	5.1943	5.197	5.1973	5.1976	5.2003	5.3093
17.982	17.9842	18.0458	18.0834	18.0841	18.0842	18.0843	18.085	18.097	18.085	18.0843	18.0842	18.0841	18.0834	18.0458	17.9842	17.982	17.9818	17.9816	17.9794	17.8922
96.1244	96.5744	112.0718	127.5693	128.0193	128.0693	128.1193	128.5693	144.0669	159.5645	160.0145	160.0645	160.1145	160.5645	176.062	191.5594	192.0094	192.0594	192.1094	192.5594	208.0566
4.197	4.1943	4.1173	4.0704	4.0695	4.0694	4.0693	4.0684	4.0534	4.0684	4.0693	4.0694	4.0695	4.0704	4.1173	4.1943	4.197	4.1973	4.1976	4.2003	4.3093
18.067	18.0692	18.1308	18.1684	18.1691	18.1692	18.1693	18.17	18.182	18.17	18.1693	18.1692	18.1691	18.1684	18.1308	18.0692	18.067	18.0668	18.0666	18.0644	17.9772
96.1172	96.5672	112.067	127.5669	128.0169	128.0669	128.1169	128.5669	144.0669	159.5669	160.0169	160.0669	160.1169	160.5669	176.0668	191.5666	192.0166	192.0666	192.1166	192.5666	208.0662
2.9971	2.9944	2.9174	2.8704	2.8695	2.8694	2.8693	2.8684	2.8534	2.8684	2.8693	2.8694	2.8695	2.8704	2.9174	2.9944	2.9971	2.9974	2.9977	3.0004	3.1094
18.049	18.0512	18.1128	18.1504	18.1511	18.1512	18.1513	18.152	18.164	18.152	18.1513	18.1512	18.1511	18.1504	18.1128	18.0512	18.049	18.0488	18.0486	18.0464	17.9592
96.0923	96.5423	112.0505	127.5586	128.0086	128.0586	128.1086	128.5586	144.0669	159.5752	160.0252	160.0752	160.1252	160.5752	176.0834	191.5915	192.0415	192.0915	192.1415	192.5915	208.0993
-1.1528	-1.1546	-1.2166	-1.2786	-1.2804	-1.2806	-1.2808	-1.2806	-1.2806	-1.2806	-1.2806	-1.2806	-1.2804	-1.2786	-1.2166	-1.1546	-1.1528	-1.1526	-1.1522	-1.1486	-1.0245
17.9868	17.989	18.0508	18.0882	18.0889	18.089	18.089	18.0898	18.102	18.0898	18.089	18.089	18.0889	18.0882	18.0508	17.989	17.9868	17.9865	17.9863	17.9842	17.8972
96.0602	96.5102	112.029	127.5479	127.9979	128.0479	128.0979	128.5479	144.0669	159.5859	160.0359	160.0859	160.1359	160.5859	176.1048	191.6236	192.0736	192.1236	192.1736	192.6236	208.1422
-6.5028	-6.5055	-6.5826	-6.6296	-6.6305	-6.6306	-6.6307	-6.6316	-6.6466	-6.6316	-6.6307	-6.6306	-6.6305	-6.6296	-6.5826	-6.5055	-6.5028	-6.5025	-6.5022	-6.4995	-6.3903
17.9065	17.9087	17.9703	18.0079	18.0086	18.0087	18.0088	18.0095	18.0215	18.0095	18.0088	18.0087	18.0086	18.0079	17.9703	17.9087	17.9065	17.9063	17.9061	17.9039	17.8167
96.0542	96.5042	112.025	127.5459	127.9959	128.0459	128.0959	128.5459	144.0669	159.5879	160.0379	160.0879	160.1379	160.5879	176.1088	191.6296	192.0796	192.1296	192.1796	192.6296	208.1502
-7.5028	-7.5054	-7.5826	-7.6296	-7.6305	-7.6306	-7.6307	-7.6316	-7.6466	-7.6316	-7.6307	-7.6306	-7.6305	-7.6296	-7.5826	-7.5054	-7.5028	-7.5025	-7.5022	-7.4994	-7.3903
17.7915	17.7937	17.8553	17.8929	17.8936	17.8937	17.8938	17.8945	17.9065	17.8945	17.8938	17.8937	17.8936	17.8929	17.8553	17.7937	17.7915	17.7913	17.7911	17.7889	17.7017

P6-GE1	P6	P6-GE2	P6-S2	C46	P7-S1	P7-GE1	P7	P7-GE2	P7-S2	C53	P8-S1	P8-GE1	P8	P8-GE2	P8-S2	C60	A2-S1	A2-GE1	A2
+ 252.9500	+ 253.0000	+ 253.0500	+ 253.5000	+ 269.0000	+ 284.5000	+ 284.9500	+ 285.0000	+ 285.0500	+ 285.5000	+ 301.0000	+ 316.5000	+ 316.9500	+ 317.0000	+ 317.0500	+ 317.5000	+ 333.0000	+ 348.5000	+ 348.9500	+ 349.0000
192.0034	192.0534	192.1034	192.5534	208.0486	223.5436	223.9936	224.0436	224.0936	224.5435	240.0382	255.5325	255.9824	256.0324	256.0824	256.5324	272.0262	287.5196	287.9695	288.0195
5.197	5.1973	5.1976	5.2003	5.3093	5.4483	5.4527	5.4532	5.4537	5.4583	5.6292	5.8301	5.8364	5.8371	5.8378	5.8441	6.0771	6.34	6.3481	6.349
17.982	17.9818	17.9816	17.9794	17.8922	17.781	17.7774	17.777	17.7766	17.773	17.6362	17.4754	17.4704	17.4698	17.4692	17.4642	17.2778	17.0674	17.0609	17.0602
192.0094	192.0594	192.1094	192.5594	208.0566	223.5536	224.0036	224.0536	224.1036	224.5535	240.0502	255.5465	255.9964	256.0464	256.0964	256.5464	272.0422	287.5376	287.9875	288.0375
4.197	4.1973	4.1976	4.2003	4.3093	4.4483	4.4528	4.4533	4.4538	4.4583	4.6293	4.8302	4.8365	4.8372	4.8379	4.8442	5.0772	5.3401	5.3482	5.3491
18.067	18.0668	18.0666	18.0644	17.9772	17.866	17.8624	17.862	17.8616	17.858	17.7212	17.5604	17.5554	17.5548	17.5542	17.5492	17.3628	17.1524	17.1459	17.1452
192.0166	192.0666	192.1166	192.5666	208.0682	223.5656	224.0156	224.0656	224.1156	224.5655	240.0646	255.5633	256.0132	256.0632	256.1132	256.5632	272.0614	287.5592	288.0091	288.0591
2.9971	2.9974	2.9977	3.0004	3.1094	3.2484	3.2529	3.2534	3.2539	3.2584	3.4293	3.6304	3.6366	3.6373	3.638	3.6444	3.8773	4.1403	4.1484	4.1493
18.049	18.0488	18.0486	18.0464	17.9592	17.848	17.8444	17.844	17.8436	17.84	17.7032	17.5424	17.5374	17.5368	17.5362	17.5312	17.3448	17.1344	17.1279	17.1272
192.0415	192.0915	192.1415	192.5915	208.0993	223.6071	224.0571	224.1071	224.1571	224.607	240.1142	255.6214	256.0713	256.1213	256.1713	256.6213	272.1276	287.6339	288.0838	288.1338
-1.1528	-1.1526	-1.1522	-1.1486	-1.0245	-0.9004	-0.8968	-0.8964	-0.8958	-0.8904	-0.7043	-0.5183	-0.5129	-0.5123	-0.5115	-0.5043	-0.2561	-0.008	-0.0008	0
17.9868	17.9865	17.9863	17.9842	17.8972	17.7858	17.7822	17.7817	17.7814	17.7778	17.6412	17.4801	17.4751	17.4745	17.474	17.469	17.2828	17.0721	17.0657	17.0649
192.0736	192.1236	192.1736	192.6236	208.1422	223.6606	224.1106	224.1606	224.2106	224.6605	240.1786	255.6963	256.1462	256.1962	256.2462	256.6962	272.2134	287.7302	288.1801	288.2301
-6.5028	-6.5025	-6.5022	-6.4995	-6.3903	-6.2512	-6.2467	-6.2462	-6.2457	-6.2412	-6.07	-5.8687	-5.8624	-5.8617	-5.861	-5.8547	-5.6215	-5.3581	-5.35	-5.3491
17.9065	17.9063	17.9061	17.9039	17.8167	17.7055	17.7019	17.7015	17.7011	17.6975	17.5607	17.3999	17.3949	17.3943	17.3937	17.3887	17.2023	16.9919	16.9854	16.9847
192.0796	192.1296	192.1796	192.6296	208.1502	223.6706	224.1206	224.1706	224.2206	224.6705	240.1906	255.7103	256.1602	256.2102	256.2602	256.7102	272.2294	287.7482	288.1981	288.2481
-7.5028	-7.5025	-7.5022	-7.4994	-7.3903	-7.2511	-7.2466	-7.2461	-7.2458	-7.2411	-7.0699	-6.8686	-6.8623	-6.8616	-6.8609	-6.8546	-6.6213	-6.358	-6.3499	-6.349
17.7915	17.7913	17.7911	17.7889	17.7017	17.5905	17.5869	17.5865	17.5861	17.5825	17.4457	17.2849	17.2799	17.2793	17.2787	17.2737	17.0873	16.8769	16.8704	16.8697

	P8-GE1	P8	P8-GE2	P8-S2	C60	A2-S1	A2-GE1	A2
01	+ 316.9500	+ 317.0000	+ 317.0500	+ 317.5000	+ 333.0000	+ 348.5000	+ 348.9500	+ 349.0000
5	255.9824	256.0324	256.0824	256.5324	272.0262	287.5196	287.9695	288.0195
1	5.8364	5.8371	5.8378	5.8441	6.0771	6.34	6.3481	6.349
4	17.4704	17.4698	17.4692	17.4642	17.2778	17.0674	17.0609	17.0602
5	255.9964	256.0464	256.0964	256.5464	272.0422	287.5376	287.9875	288.0375
2	4.8365	4.8372	4.8379	4.8442	5.0772	5.3401	5.3482	5.3491
4	17.5554	17.5548	17.5542	17.5492	17.3628	17.1524	17.1459	17.1452
3	256.0132	256.0632	256.1132	256.5632	272.0614	287.5592	288.0091	288.0591
4	3.6366	3.6373	3.638	3.6444	3.8773	4.1403	4.1484	4.1493
4	17.5374	17.5368	17.5362	17.5312	17.3448	17.1344	17.1279	17.1272
4	256.0713	256.1213	256.1713	256.6213	272.1276	287.6339	288.0838	288.1338
3	-0.5129	-0.5123	-0.5115	-0.5043	-0.2561	-0.008	-0.0008	0
1	17.4751	17.4745	17.474	17.469	17.2828	17.0721	17.0657	17.0649
3	256.1462	256.1962	256.2462	256.6962	272.2134	287.7302	288.1801	288.2301
7	-5.8624	-5.8617	-5.861	-5.8547	-5.6215	-5.3581	-5.35	-5.3491
9	17.3949	17.3943	17.3937	17.3887	17.2023	16.9919	16.9854	16.9847
3	256.1602	256.2102	256.2602	256.7102	272.2294	287.7482	288.1981	288.2481
6	-6.8623	-6.8616	-6.8609	-6.8546	-6.6213	-6.358	-6.3499	-6.349
9	17.2799	17.2793	17.2787	17.2737	17.0873	16.8769	16.8704	16.8697

000
195
349
602
375
491
152
591
493
272
338
0
649
301
491
847
481
349
697

	JAPAN INTERNATIONAL COOPERATION AGENCY		CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS	
	(JICA)		PROJECT: B/D ON ROAD DEVELOPMENT PROJECT ON BATHMAN HIGHWAY	
	JICA STUDY TEAM		TITLE CO-ORDINATE LIST RA/02 AT B-LINE	
	PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL		DATE	DWG. NO. B-6

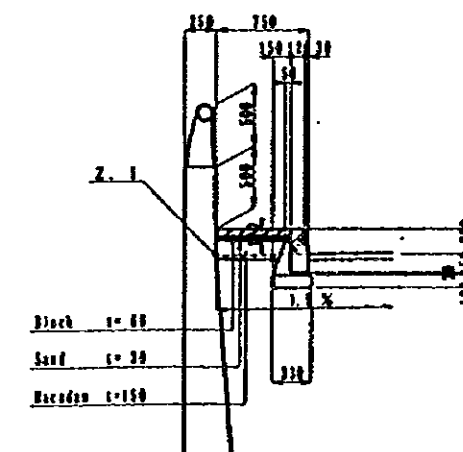


Reversed T

MARK TYPE	H	h 1	h 2	B	B 1	B 2	B 3	U h	U B
A I L I N E	1-1	8-3 907	3 407	500	3 500	600	439 2 461	1 500	5 500
	1-2	9-4 343	3 843				464 2 436		
	1-3	10-4 778	4 278				488 2 412		
	1-4	11-5 181	4 681				510 2 390		
	1-5	12-6 381	5 084	700	4 000	800	559 2 641	1 300	6 000
	1-6	13-6 784	5 484				586 2 614		
	1-7	14-8 175	5 875				612 2 588		
	1-8	15-6 375	6 275	900	4 500	1 000	654 2 846	1 100	6 500
	1-9	16-6 766	6 666				683 2 817		
	1-10	17-7 046	7 046				703 2 797		
	1-11	18-7 146	7 446	1 000	5 000	1 000	733 2 767	1 000	7 000
B I L I N E	1-1	8-3 814	3 314	500	3 500	600	434 2 466	1 500	5 500
	1-2	9-4 261	3 761				458 2 442		
	1-3	10-4 687	4 187				483 2 417		
	1-4	11-5 091	4 591				505 2 395		
	1-5	12-5 291	4 991	700	4 000	800	553 2 647	1 300	6 000
	1-6	13-5 695	5 395				580 2 620		
	1-7	14-6 053	5 793				604 2 596		
	1-8	15-6 263	6 193	900	4 500	1 000	645 2 855	1 100	6 500
	1-9	16-6 611	6 591				671 2 829		
	1-10	17-6 925	6 995				694 2 806		
	1-11	18-7 025	7 395	1 000	5 000	1 000	723 2 777	1 000	7 000

Gravity

MARK TYPE	H	B	U h	U B
A I L I N E	1-1	1-1 511	1 213	3 213
	1-2	2-1 759	1 371	3 371
	1-3	3-2 006	1 529	3 529
	1-4	4-2 323	1 731	3 731
	1-5	5-2 639	1 932	3 932
	1-6	6-3 023	2 177	4 177
B I L I N E	1-1	1-1 422	1 157	3 157
	1-2	2-1 668	1 313	3 313
	1-3	3-1 913	1 470	3 470
	1-4	4-2 229	1 671	3 671
	1-5	5-2 544	1 872	3 872
	1-6	6-2 929	2 117	4 117



DETAIL 2
S-1/60

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY

TITLE : R/A-2. A' NASEEM GARDEN GENERAL VIEW FOR WALL (1)-1

DATE : DNG NO. W-1

Point		a	b	c	d	e	f	g	h	i	j
A L I N E	N	+2619984.47762	+2619994.70843	+2620004.93924	+2620015.14954	+2620025.26163	+2620035.26786	+2620045.16810	+2620054.96221	+2620064.65005	+2620071.04951
	E	+ 804920.89558	+ 804949.09719	+ 804977.29879	+ 805005.50782	+ 805033.75220	+ 805062.03424	+ 805090.35357	+ 805118.70977	+ 805147.10246	+ 805166.05099
	Z	11.215	11.710	12.343	13.111	13.982	14.788	15.570	16.129	16.666	16.973
B I L L I N E	N	+2619950.01308	+2619959.39919	+2619968.67824	+2619977.85011	+2619986.91466	+2619995.87177	+2620004.74250	+2620013.68729	+2620022.73926	+2620028.83339
	E	+ 804932.45932	+ 804960.95317	+ 804989.48207	+ 805018.04561	+ 805046.64339	+ 805075.27500	+ 805103.93351	+ 805132.56897	+ 805161.17073	+ 805180.21965
	Z	11.214	11.705	12.336	13.106	13.979	14.787	15.503	16.130	16.666	16.973

NOTES:

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

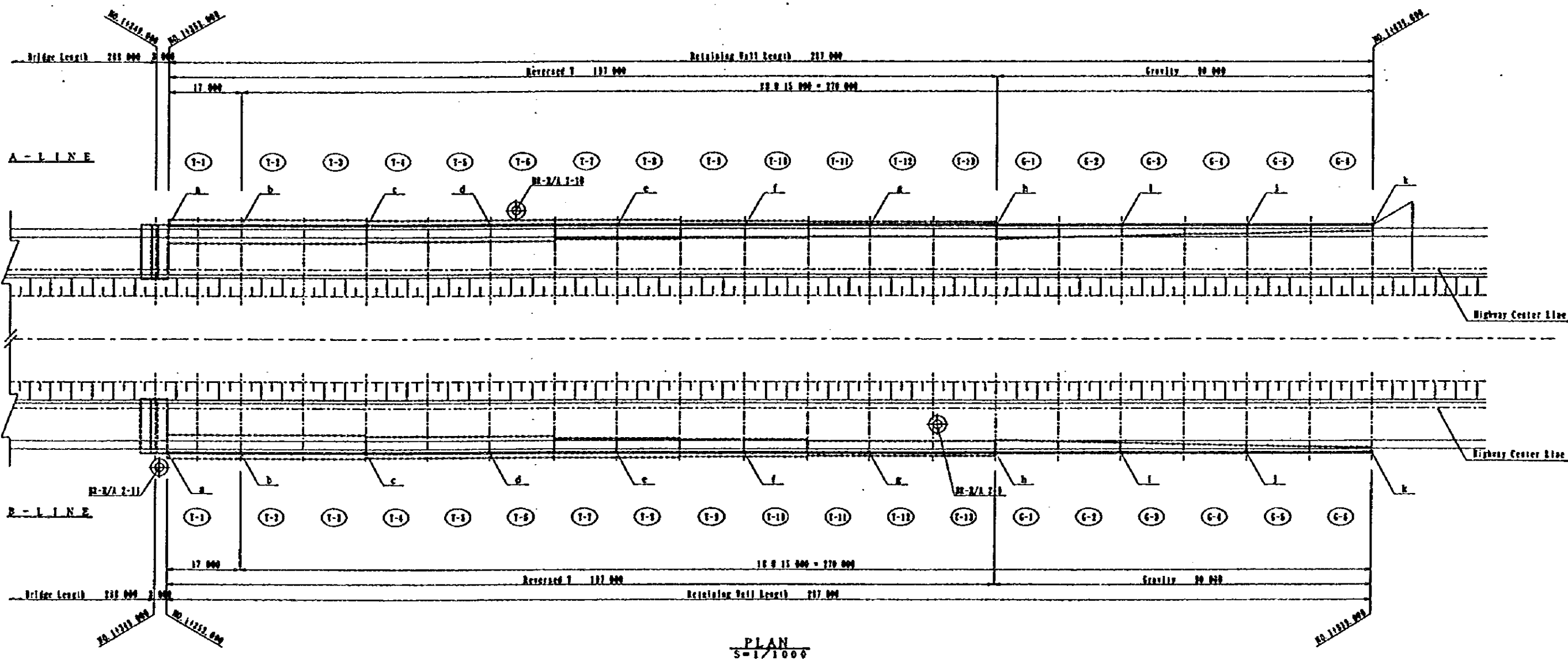
JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

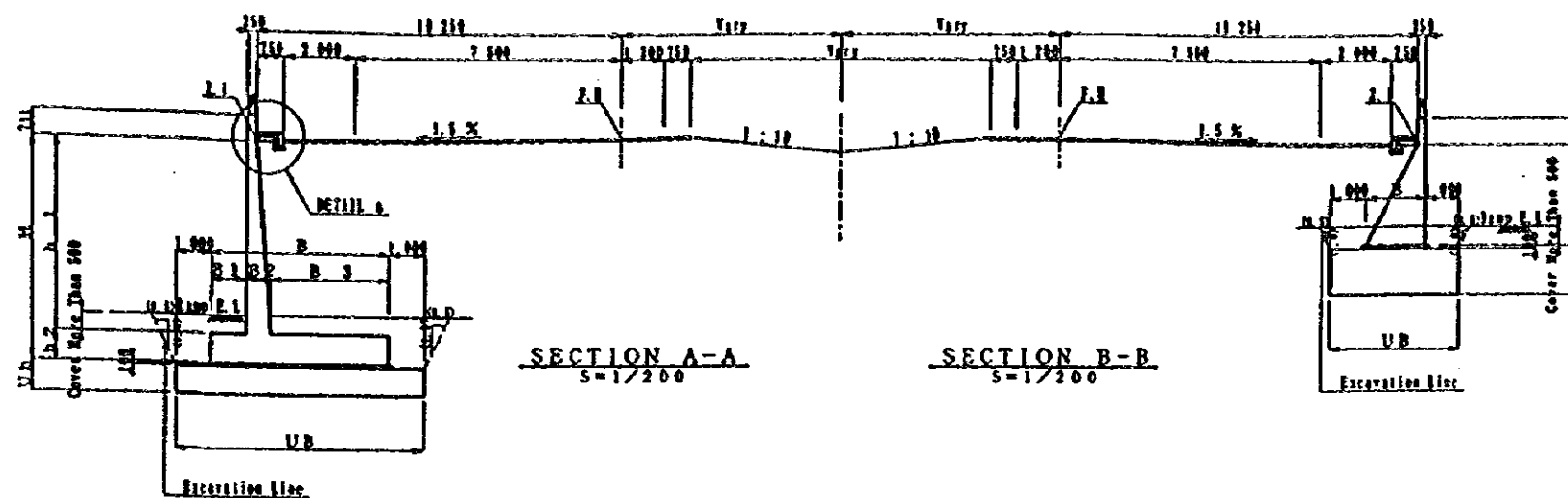
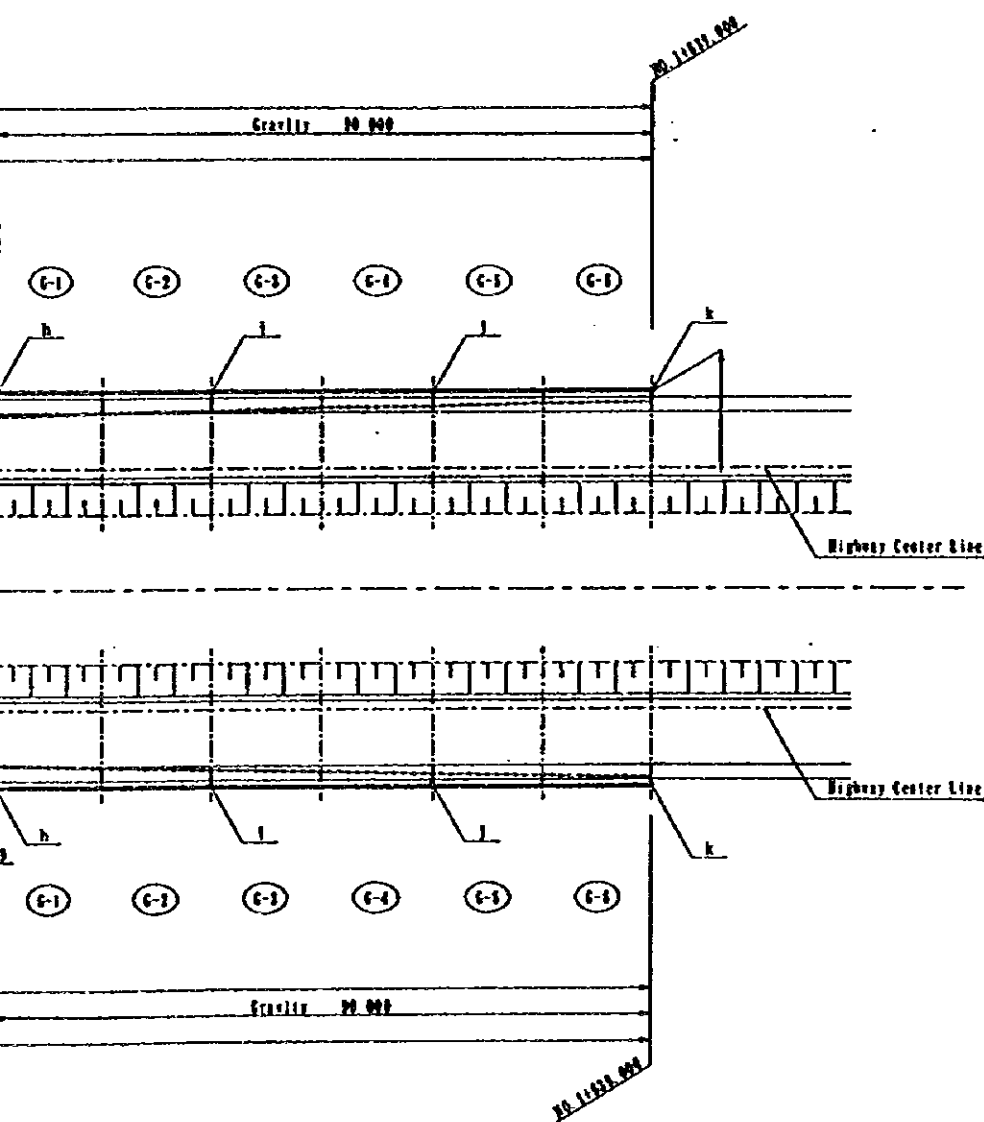
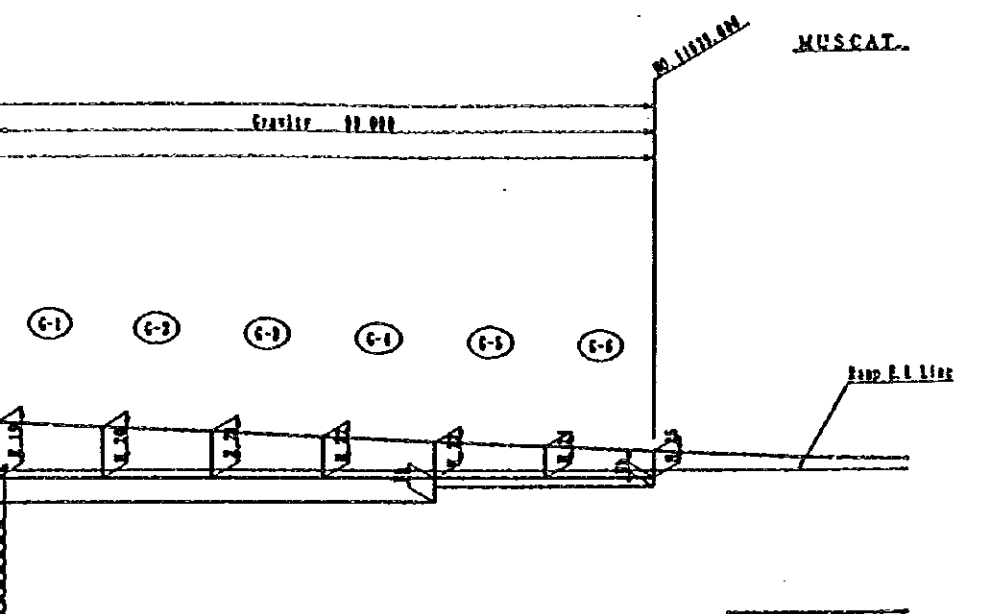
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY

TITLE : R/A-2, A' NASEEM GARDEN GENERAL VIEW FOR WALL (1)-2

DATE DWG NO. W-2



NOTES:

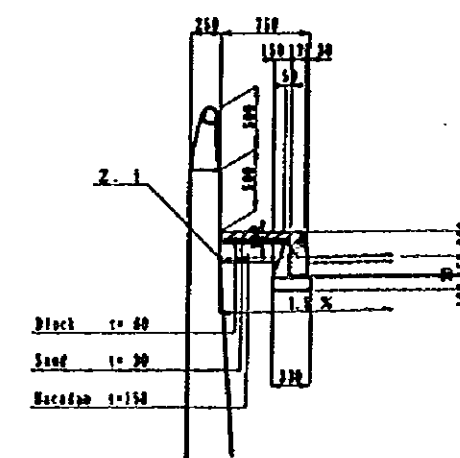


Reversed T

MARK TYPE		H	h 1	h 2	B	B 1	B 2	B 3	U h	U B
A I L I N E	T-1	11-6 966	7 800	1 100	5 500	1 200	892	3 406	500	7 500
	T-2	11-6 638	7 538				870	3 430		
	T-3	11-6 369	7 269				848	3 452		
	T-4	11-6 100	7 000				826	3 474		
	T-5	11-5 830	6 730	1 000	5 000	1 000	800	3 200	600	7 000
	T-6	11-5 561	6 461				775	3 225		
	T-7	11-5 292	6 192				751	3 249		
	T-8	11-5 023	5 923				726	3 274		
	T-9	11-4 754	5 654	900	4 500	1 000	697	2 803	700	6 500
	T-10	11-4 485	5 385				673	2 823		
	T-11	11-4 216	5 116	700	4 000	800	654	2 846	900	6 000
	T-12	11-3 947	4 847				591	2 609		
B I L I N E	T-1	11-6 886	7 786	1 100	5 500	1 200	891	3 409	500	7 500
	T-2	11-6 617	7 517				869	3 431		
	T-3	11-6 348	7 248				847	3 453		
	T-4	11-6 079	6 979	1 000	5 000	1 000	825	3 475	600	7 000
	T-5	11-5 810	6 710				799	3 201		
	T-6	11-5 541	6 441				774	3 226		
	T-7	11-5 272	6 172				750	3 250		
	T-8	11-5 003	5 903				722	3 278		
	T-9	11-4 734	5 634	900	4 500	1 000	693	2 807	700	6 500
	T-10	11-4 465	5 365				667	2 833		
	T-11	11-4 196	5 096	700	4 000	800	637	2 863	900	6 000
	T-12	11-3 927	4 827				596	2 604		

Gravity

MARK TYPE		H	B	U h	U B
A I L I N E	G-1	11-3 484	2 471	1 600	4 471
	G-2	11-2 968	2 142		4 142
	G-3	11-2 785	2 025		4 025
	G-4	11-2 319	1 728		3 728
	G-5	11-2 187	1 644	600	3 644
	G-6	11-1 772	1 380		3 380
B I L I N E	G-1	11-3 164	2 267	1 600	4 267
	G-2	11-2 812	2 043		4 043
	G-3	11-2 459	1 818		3 818
	G-4	11-2 159	1 626		3 626
	G-5	11-1 850	1 434	600	3 434
	G-6	11-1 609	1 276		3 276



DETAIL A
5-1/60

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
PCKUYAMA CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY

TITLE : R/A-2, A' NASEEM GARDEN GENERAL VIEW FOR WALL (2)-1

DATE : DVC NO. W-23

Point		a	b	c	d	e	f	g	h	i	j	k
A L I N E	N	+2620164.33770	+2620171.16052	+2620181.48294	+2620191.91104	+2620202.44470	+2620212.93954	+2620223.15729	+2620233.09343	+2620242.74699	+2620252.11699	+2620261.20251
	E	+ 805438.26879	+ 805457.06903	+ 805485.23721	+ 805513.36644	+ 805541.45632	+ 805569.56062	+ 805597.76683	+ 805626.07346	+ 805654.47771	+ 805682.97676	+ 805711.56777
	Z	16.973	16.665	16.127	15.449	14.910	14.284	13.410	12.611	11.912	11.314	10.817
B I L L I N E	N	+2620121.96642	+2620128.78918	+2620139.11128	+2620149.53880	+2620160.07160	+2620170.70952	+2620181.45243	+2620192.30006	+2620203.05060	+2620213.51957	+2620223.70592
	E	+ 805453.11878	+ 805471.91904	+ 805500.08734	+ 805528.21679	+ 805556.30698	+ 805584.35754	+ 805612.36805	+ 805640.33817	+ 805668.34564	+ 805696.45957	+ 805724.67714
	Z	16.973	16.666	16.130	15.503	14.788	13.982	13.108	12.306	11.601	11.000	10.501

NOTES:

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

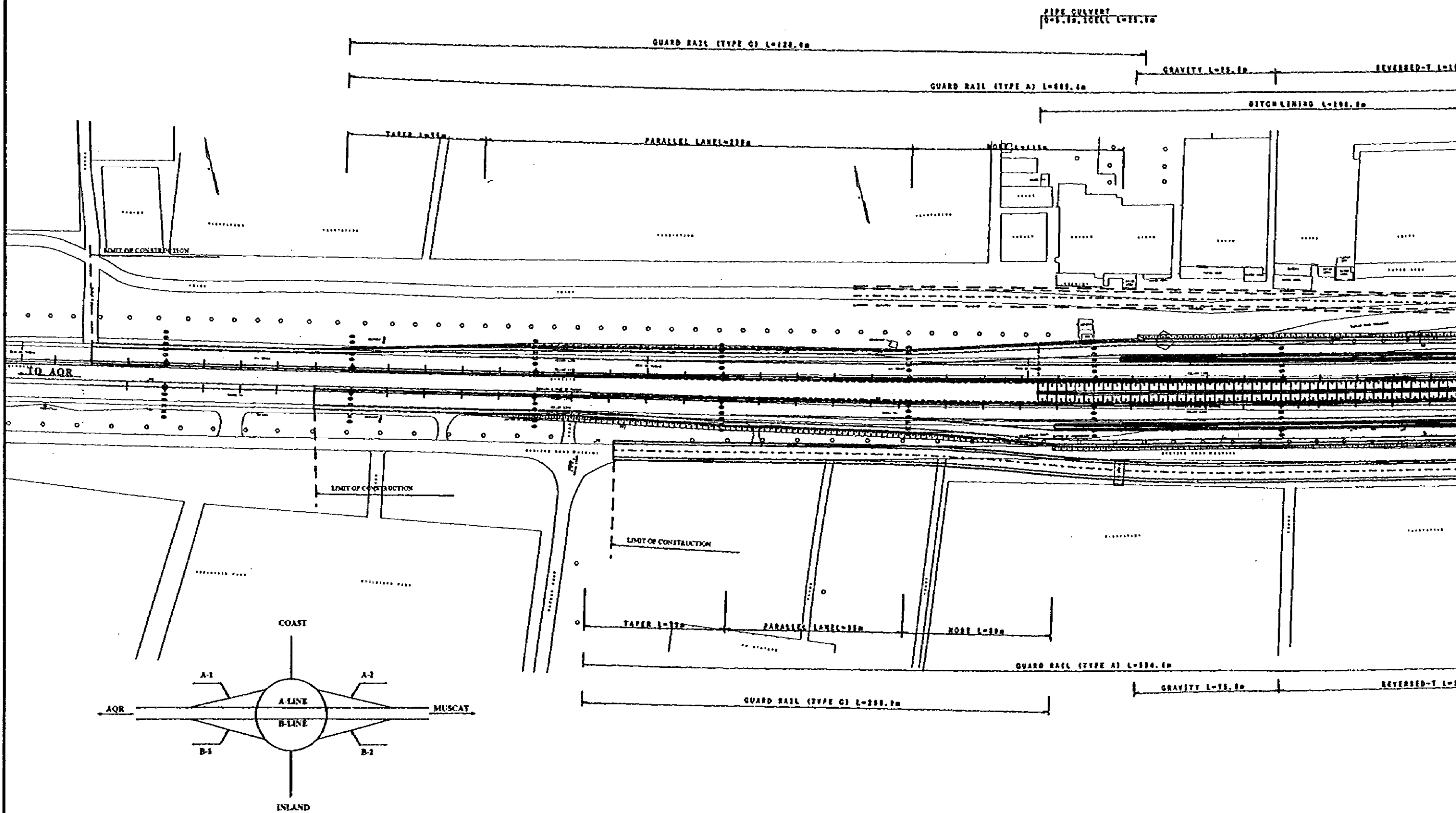
CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY

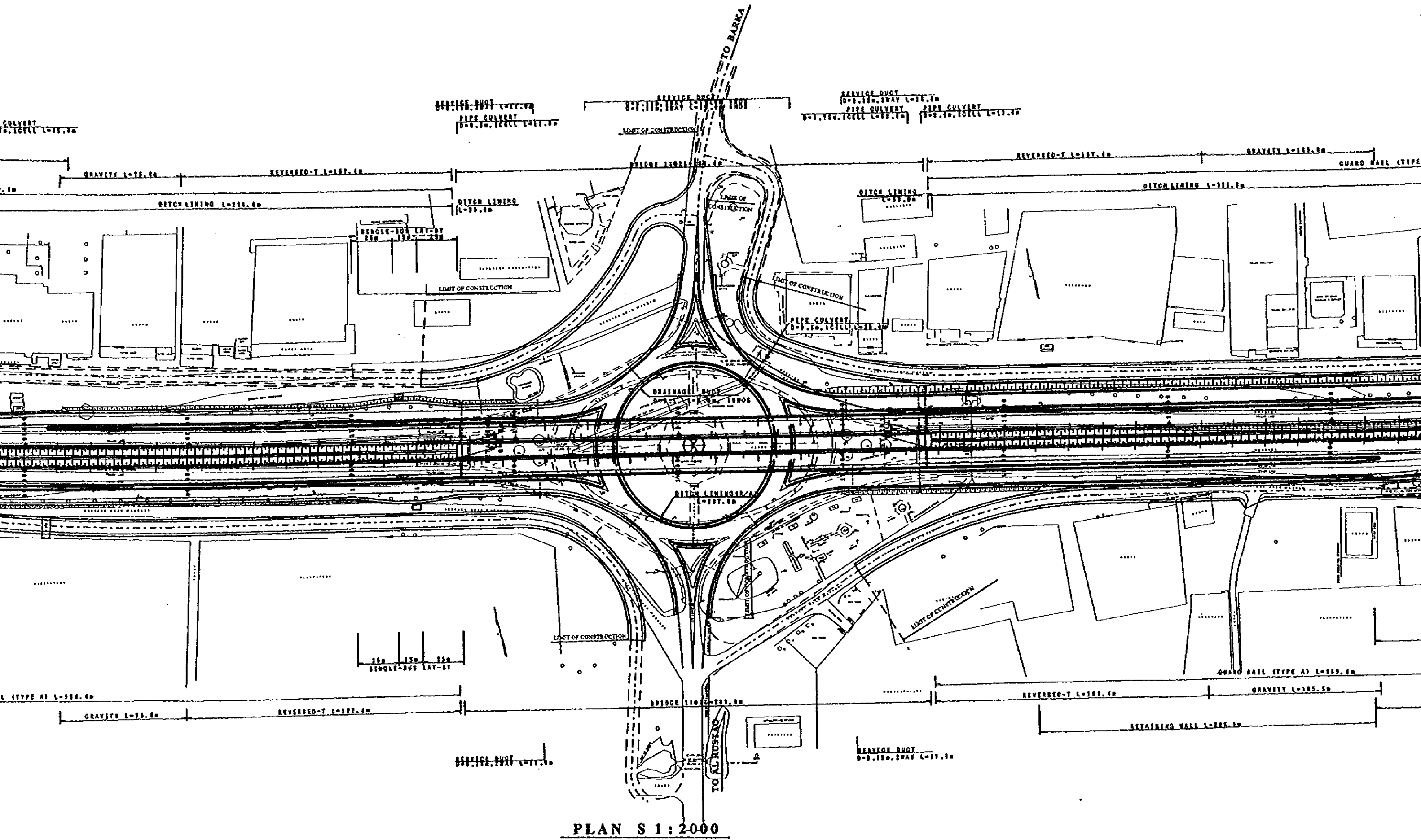
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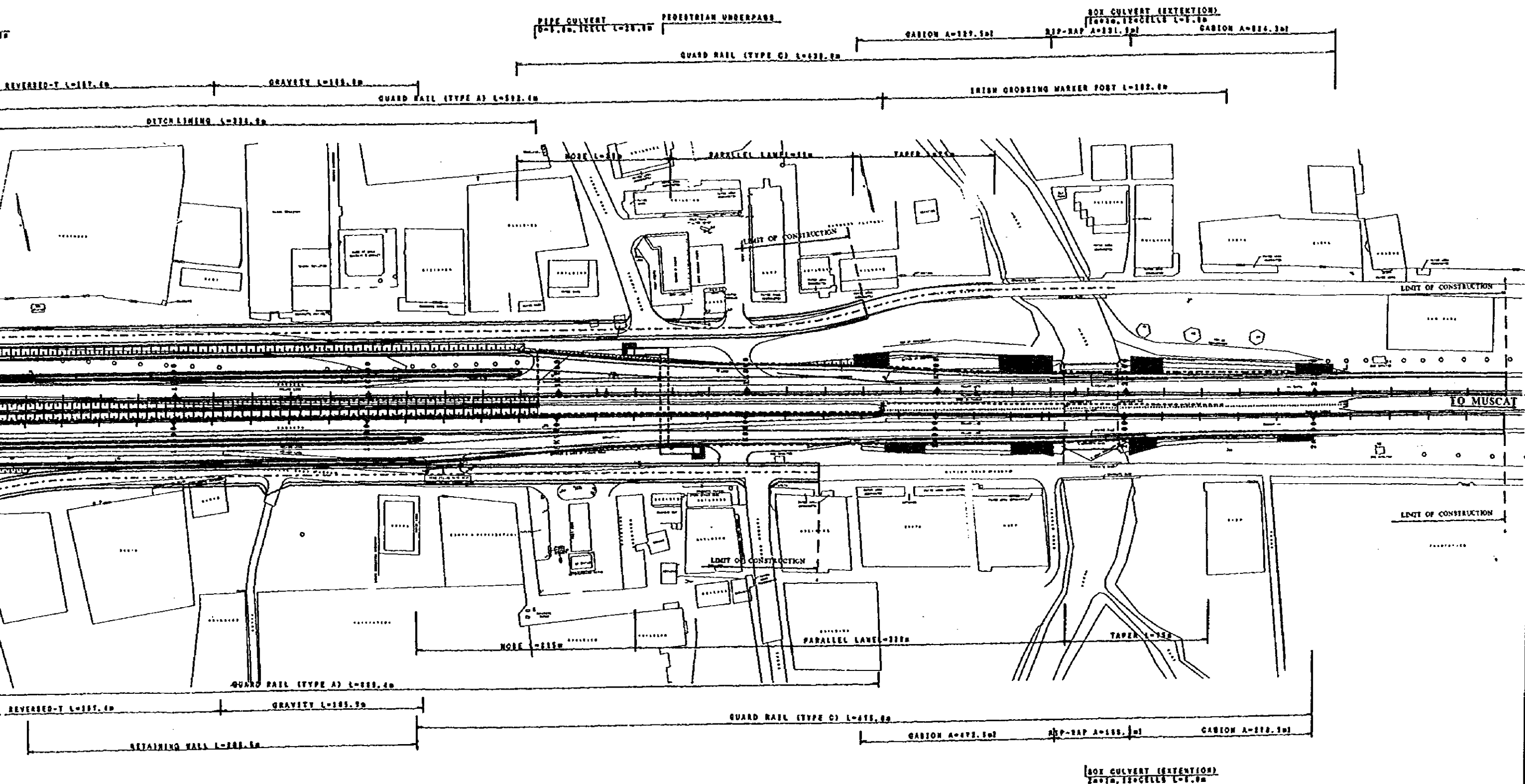
DATE : DWG NO. W-24

Barka
FLYOVER



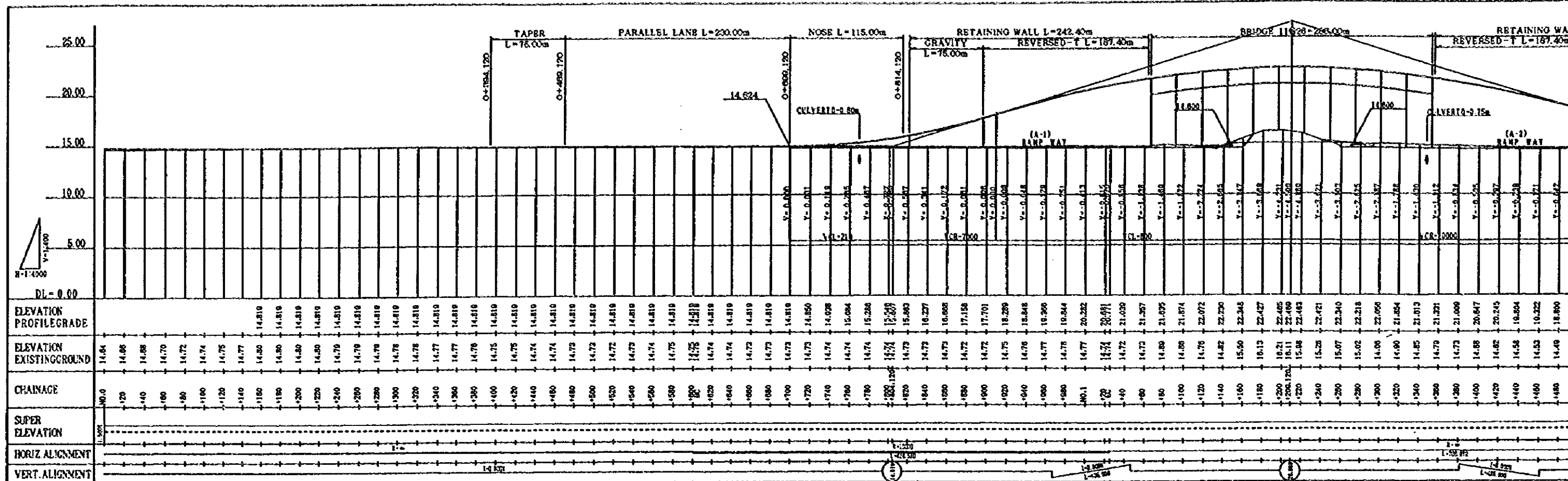
NOTES:



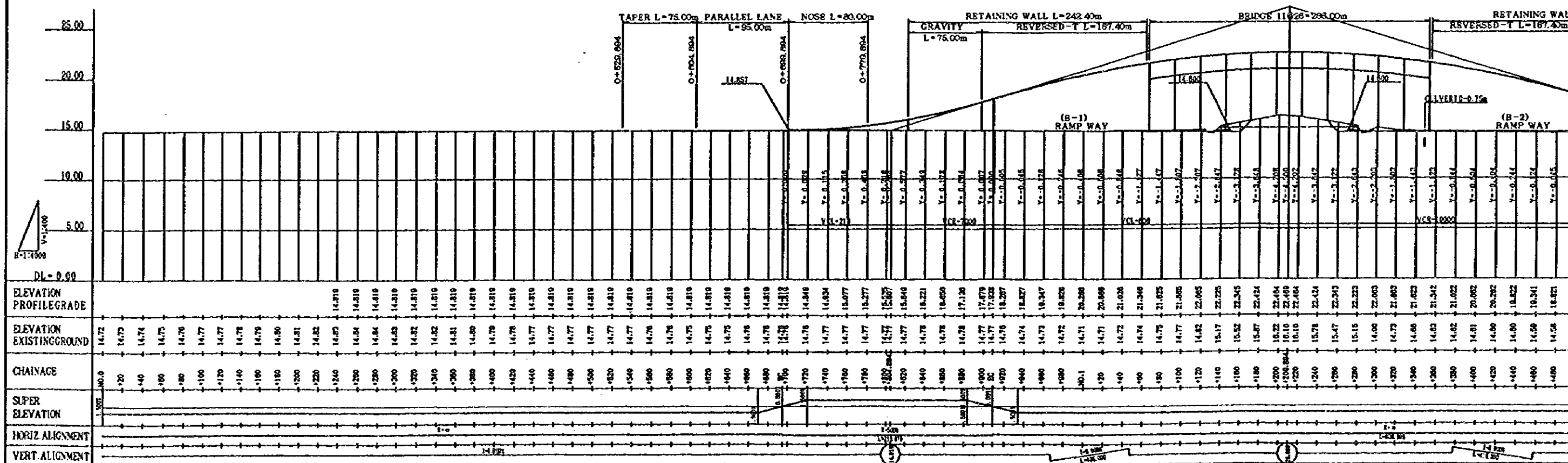


JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)
JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE RA/3 BARKA PLAN
DATE
DWGNO. R-3

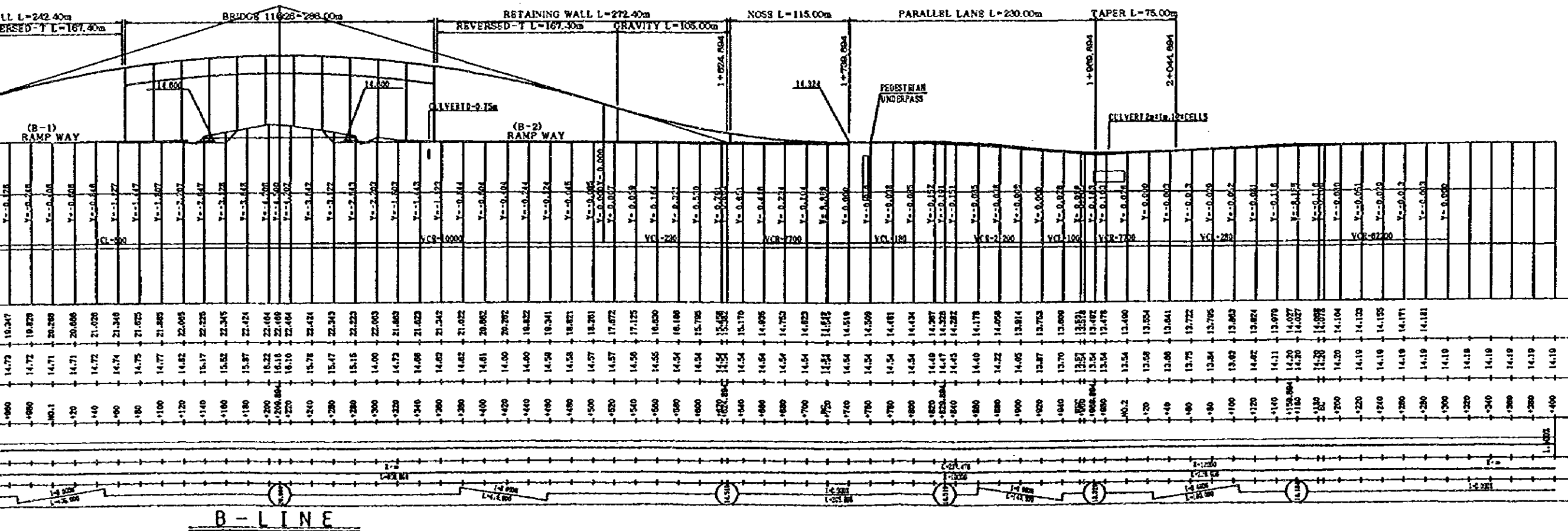


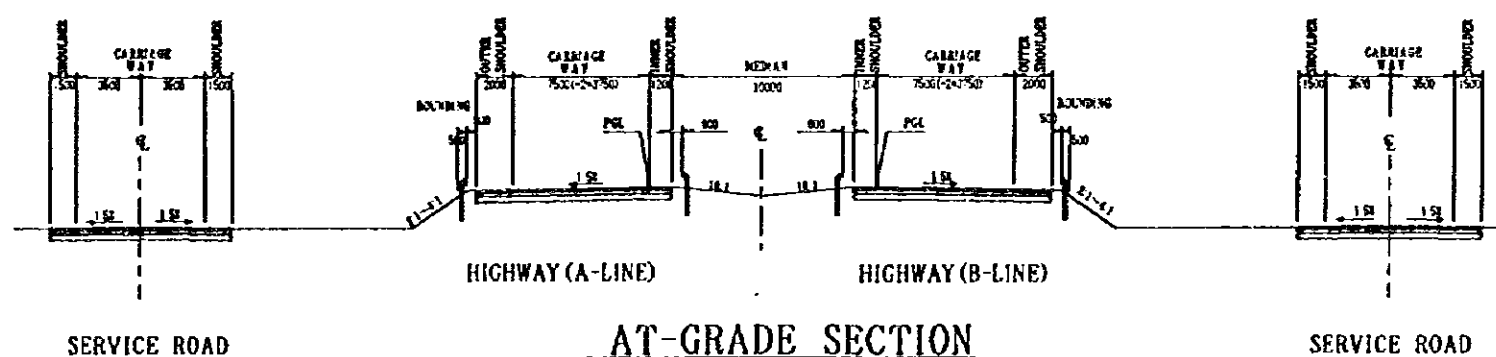
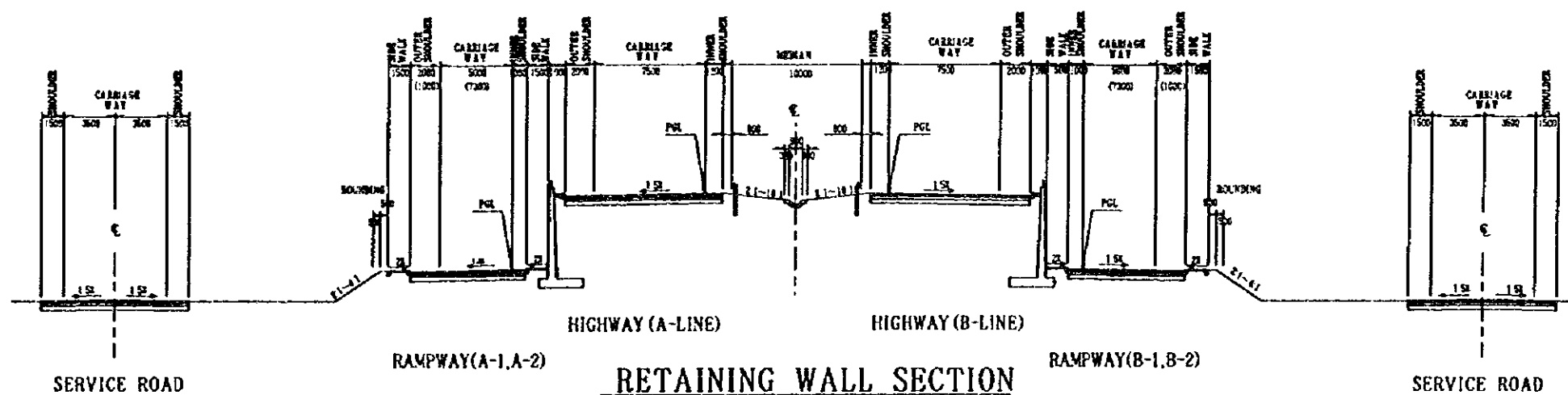
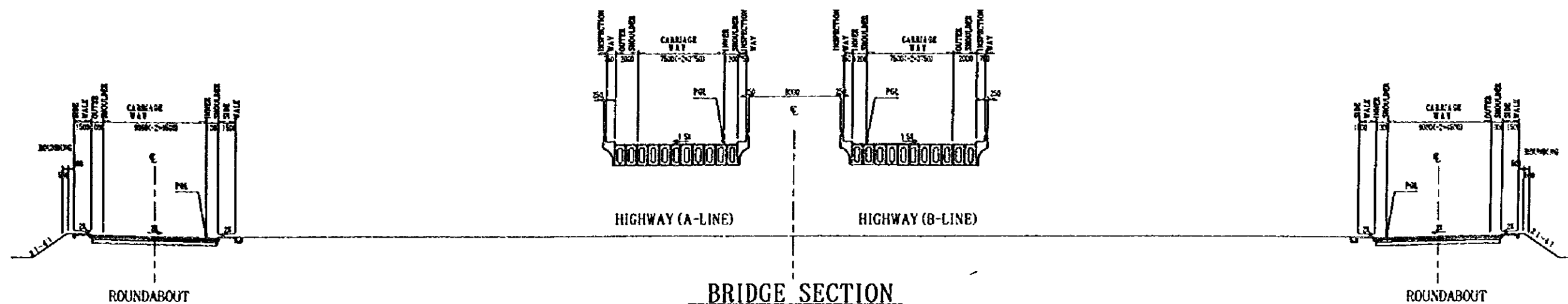
A-LINE



B-LINE

NOTES:





NOTES:

- (1) SCALE 1:400, DIMENSIONS IN MILLIMETER.
- (2) NUMBERS INSIDE BRACKETS ARE DIMENSIONS OF MUSCAT-SIDE RAMPWAY.
- (3) THE TRANSITIONAL STRETCH FOR WIDTH AND CROSS FALL ADJUSTMENT SHOULD BE PROVIDED AT THE BEGINNING AND THE END.

JAPAN INTERNATIONAL COOPERATION AGENCY

(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

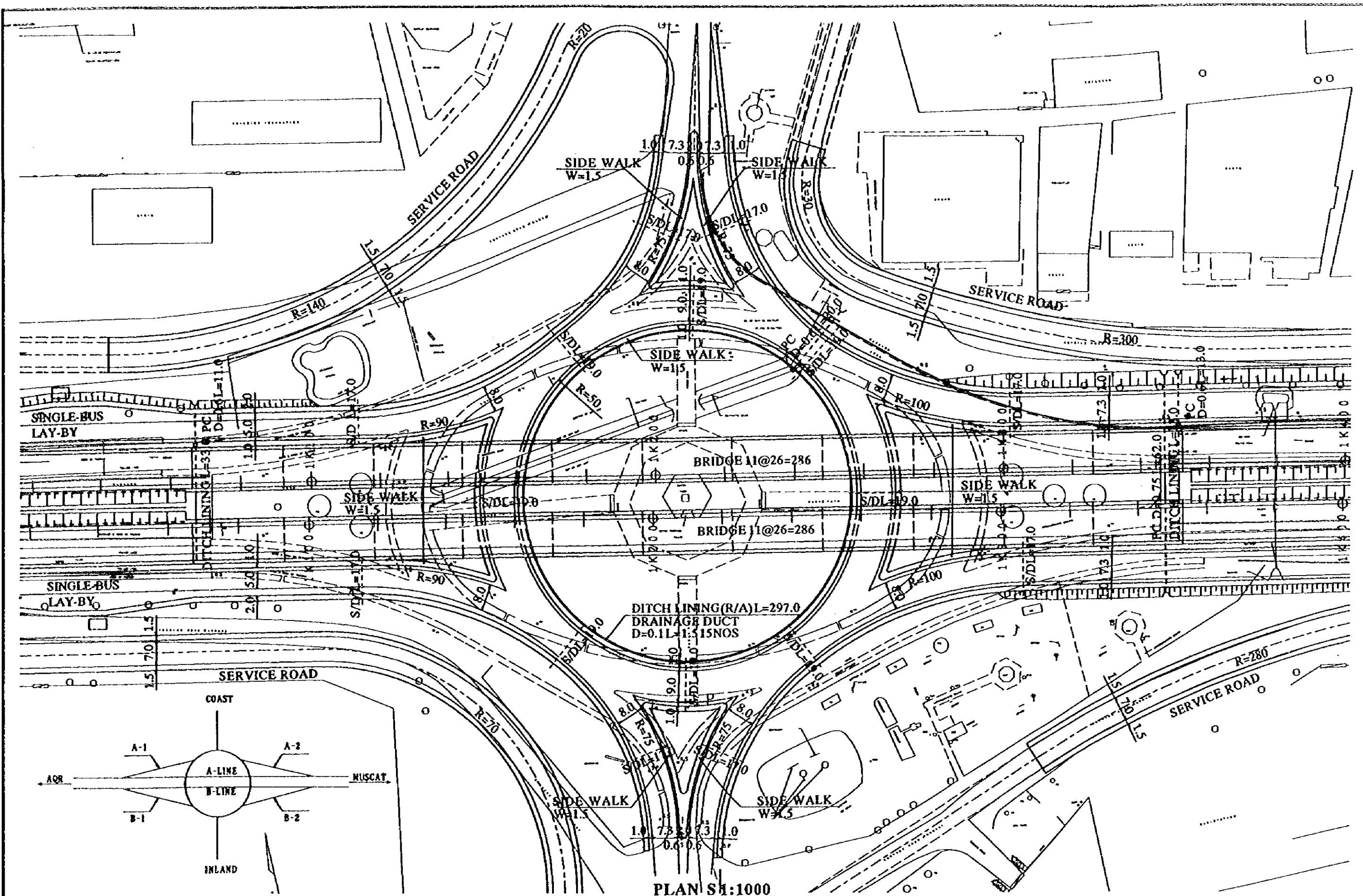
CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY

TITLE: RA/3 BARKA TYPICAL CROSS SECTION

DATE:

DWG NO.: R-5



NOTES:

- (1) ALL DIMENSIONS ARE IN METER.
- (2) S/D INDICATES SERVICE DUCT (D=0.15m, 2WAY)
- (3) PC AND BC REPRESENTS PIPE CULVERT AND BOX CULVERT RESPECTIVELY.

JAPAN INTERNATIONAL COOPERATION AGENCY

(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

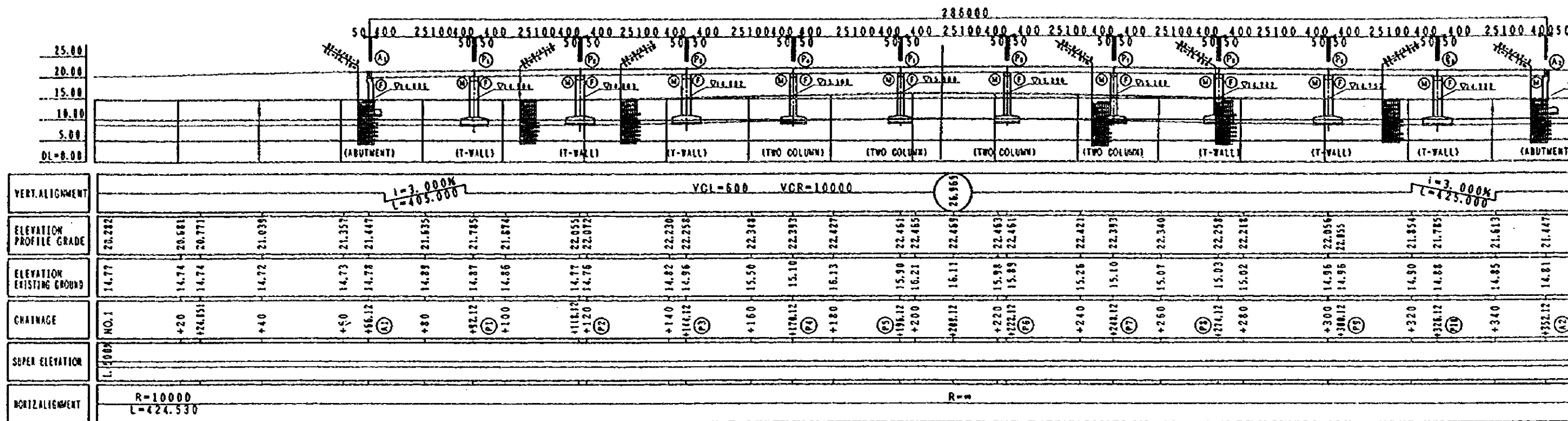
PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY

TITLE: RAJ BARKA PLAN DETAIL

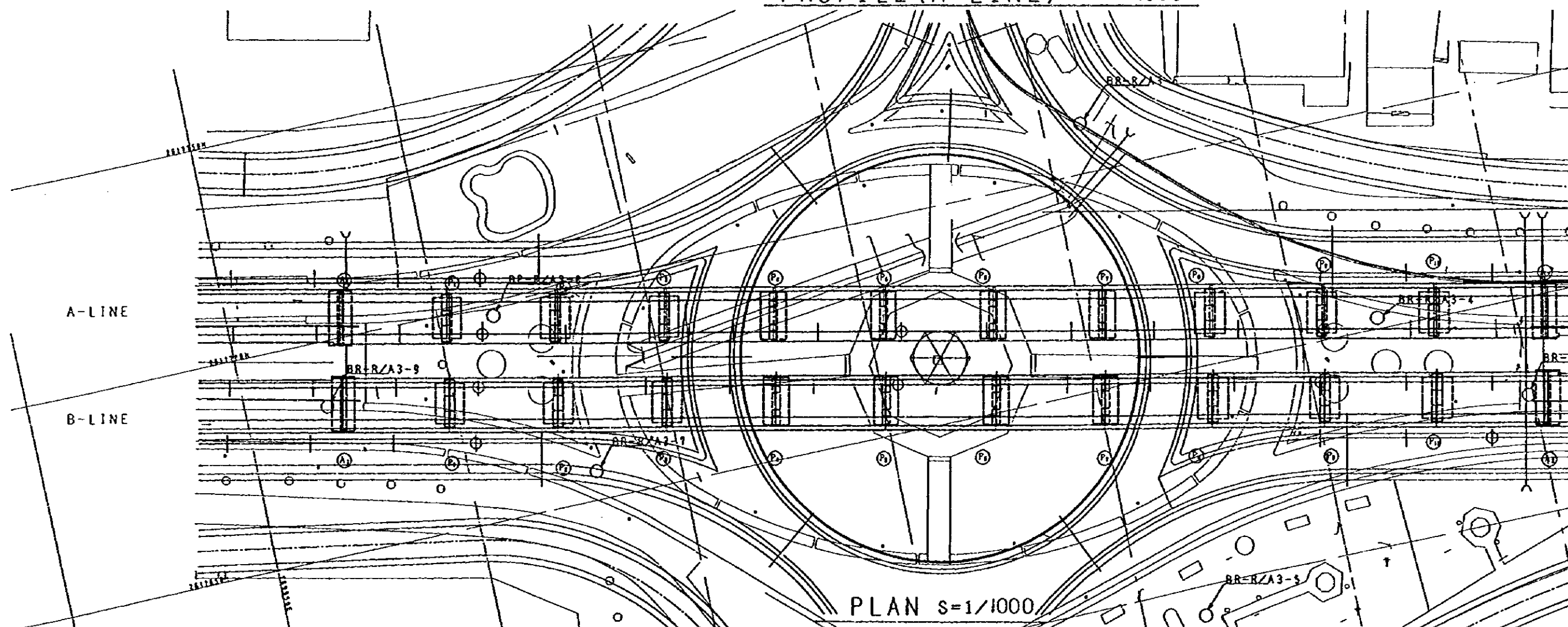
DATE:

DWG NO.: R4

GENERAL VIEW RA/3 BARK

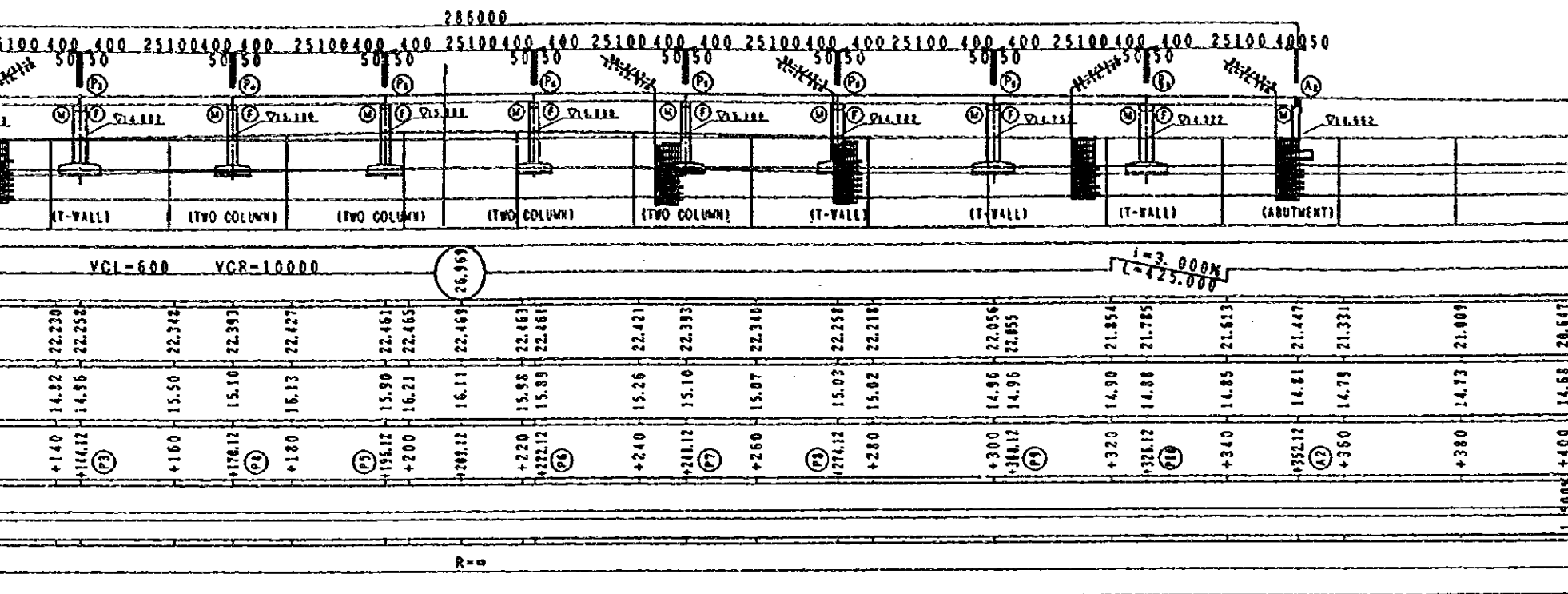


PROFILE (A-LINE) S=1/1000

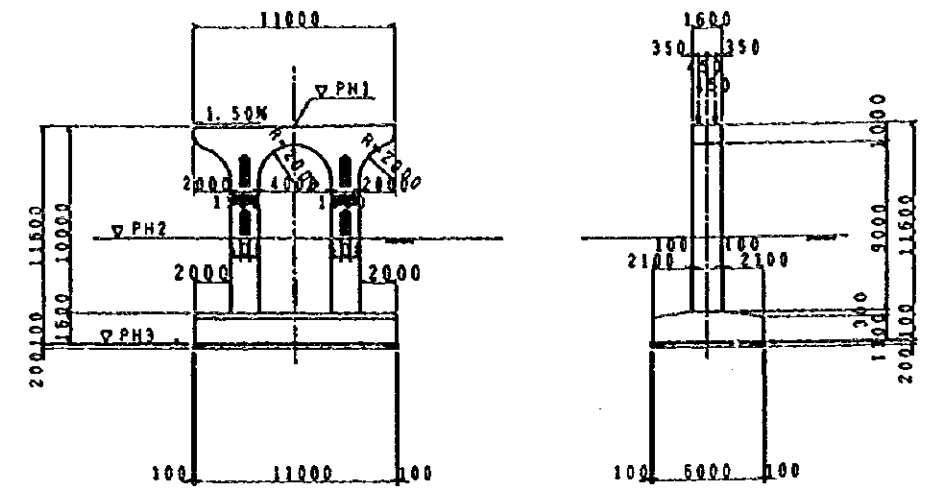
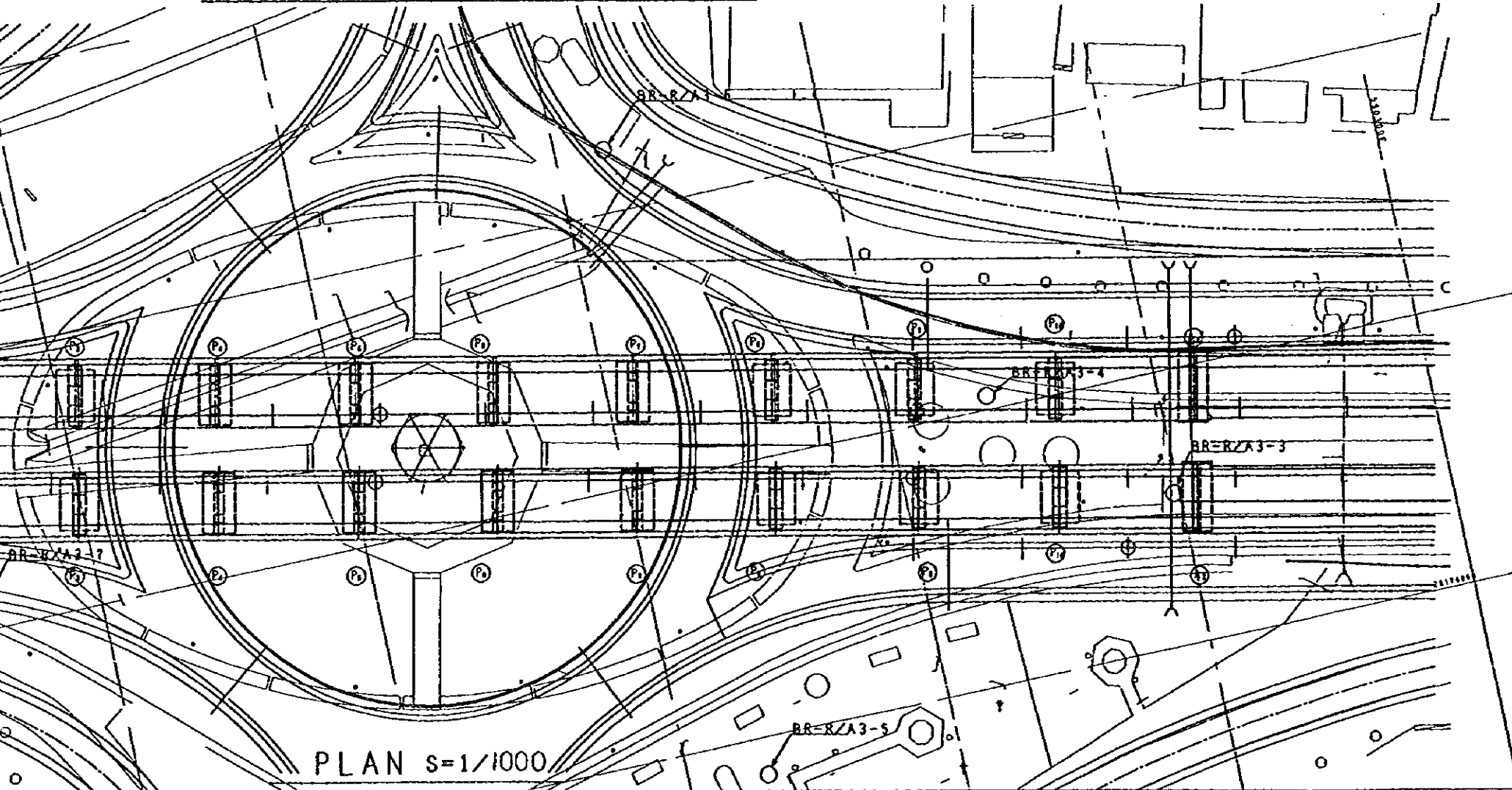


NOTES:

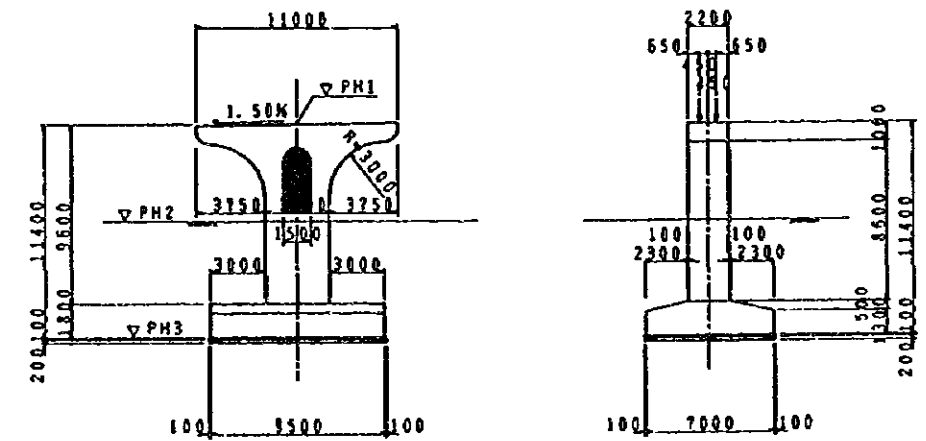
GENERAL VIEW RA/3 BARKA (A-LINE)



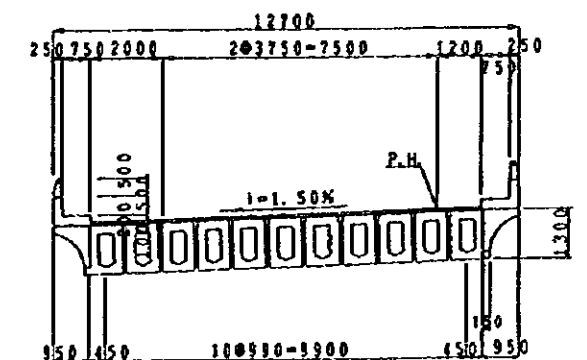
PROFILE (A-LINE) S=1/1000



SECTION OF PIERS (Two Column) S=1/400

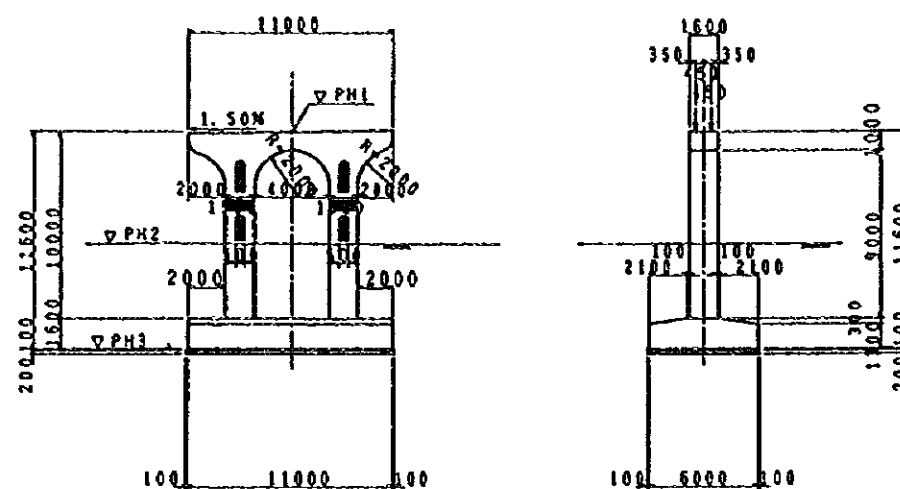
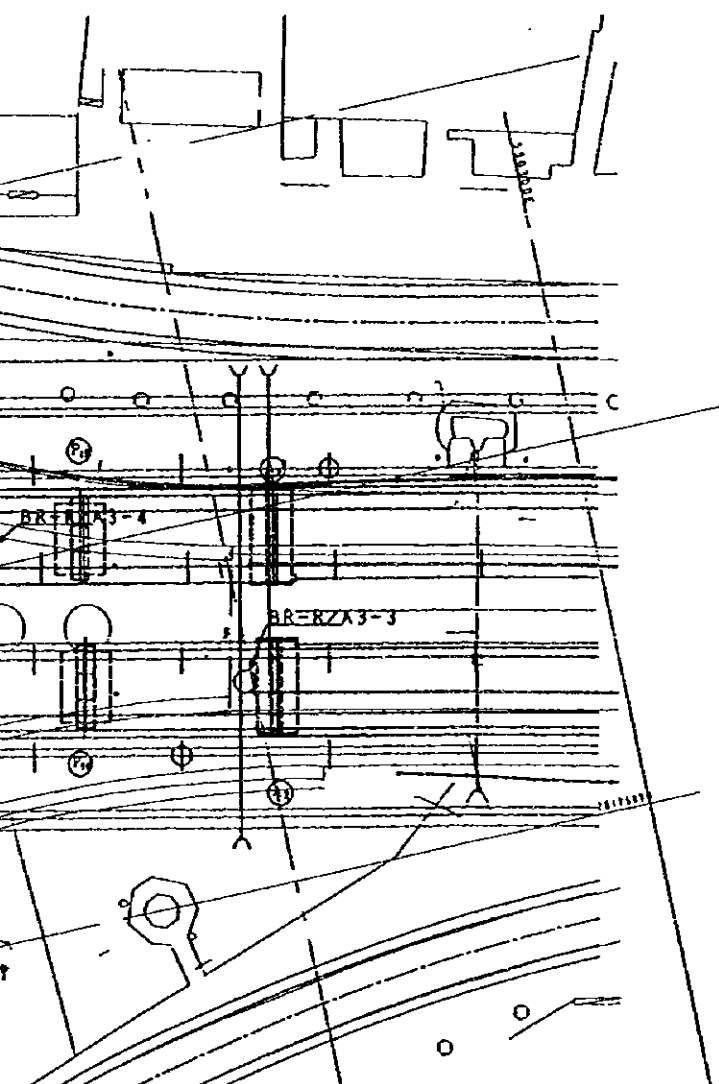
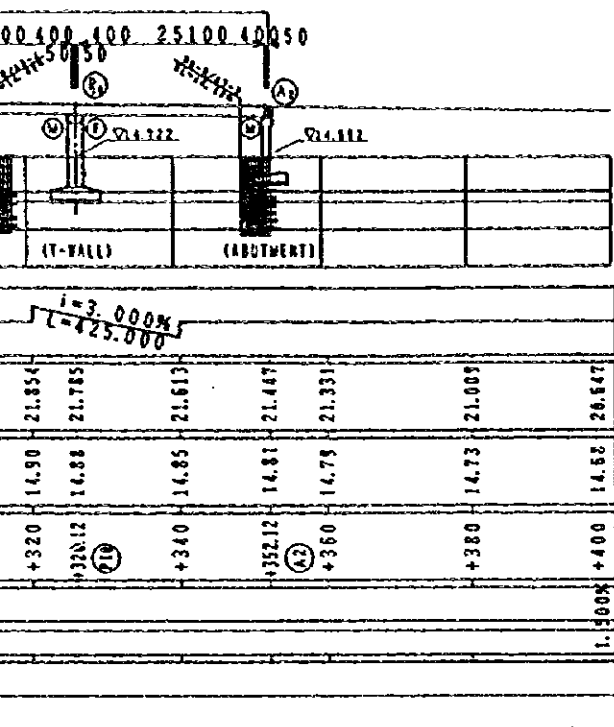


SECTION OF PIERS (T-Wall) S=1/400

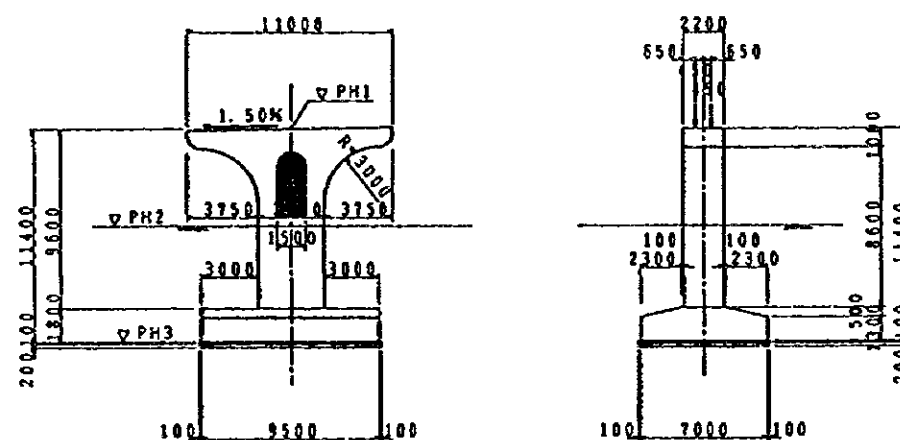


SECTION OF PC BOX GIRDER S=1/200

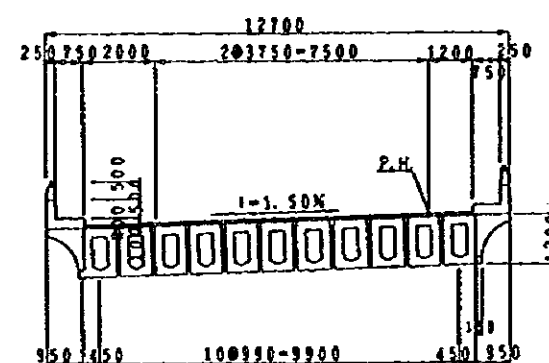
RA/3 BARKA (A-LINE)



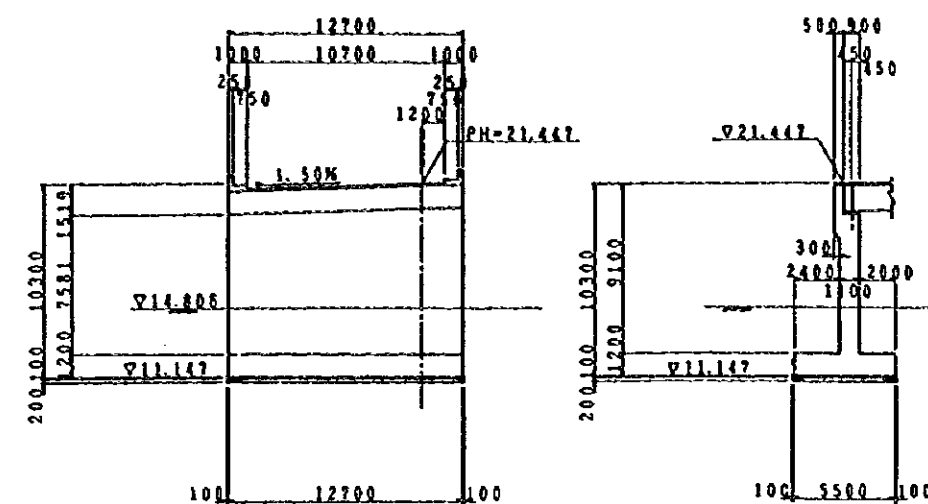
SECTION OF PIERS (Two Column) S=1/400



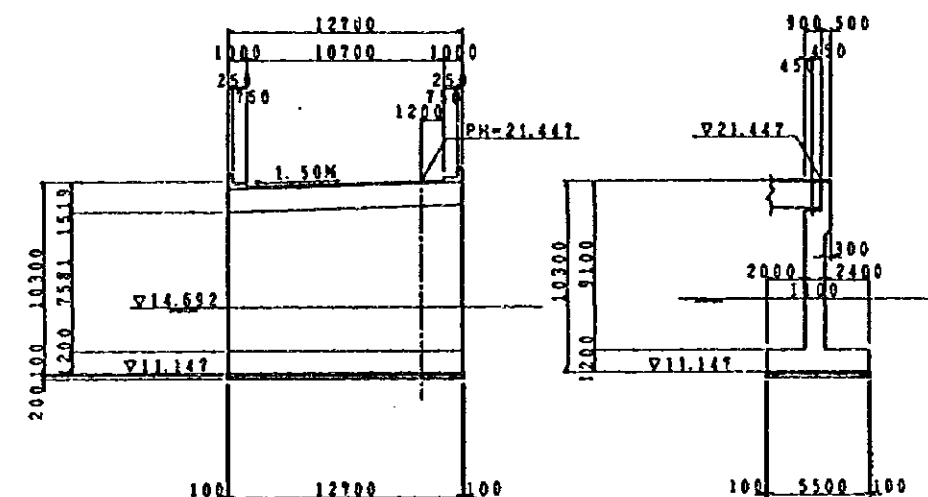
SECTION OF PIERS (T-Wall) S=1/400



SECTION OF PC BOX GIRDER S=1/200



SECTION OF A1 ABUTMENT S=1/400



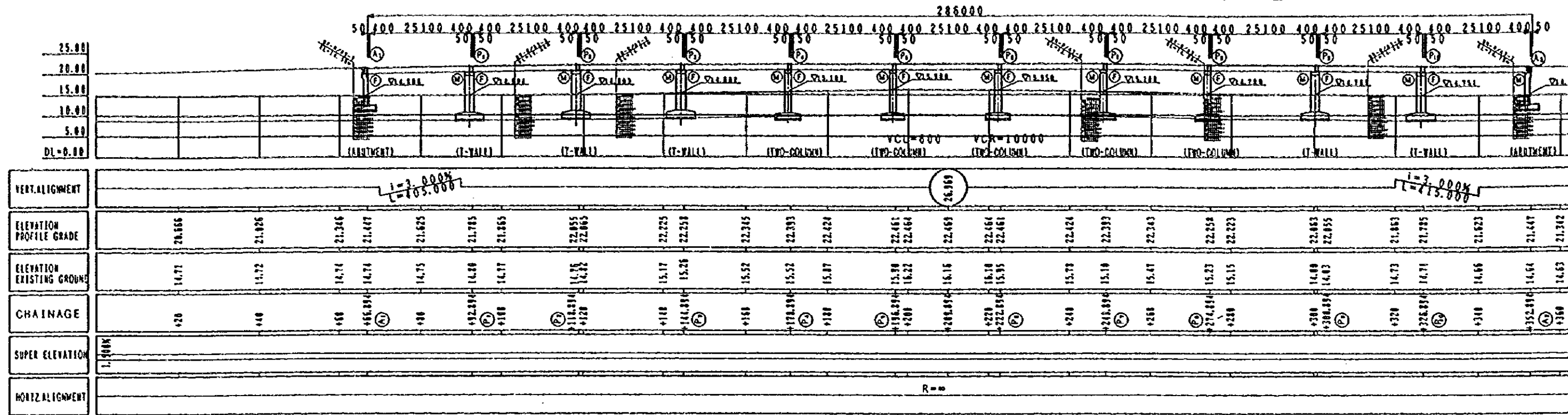
SECTION OF A2 ABUTMENT S=1/400

LIST OF PIER ELEVATION

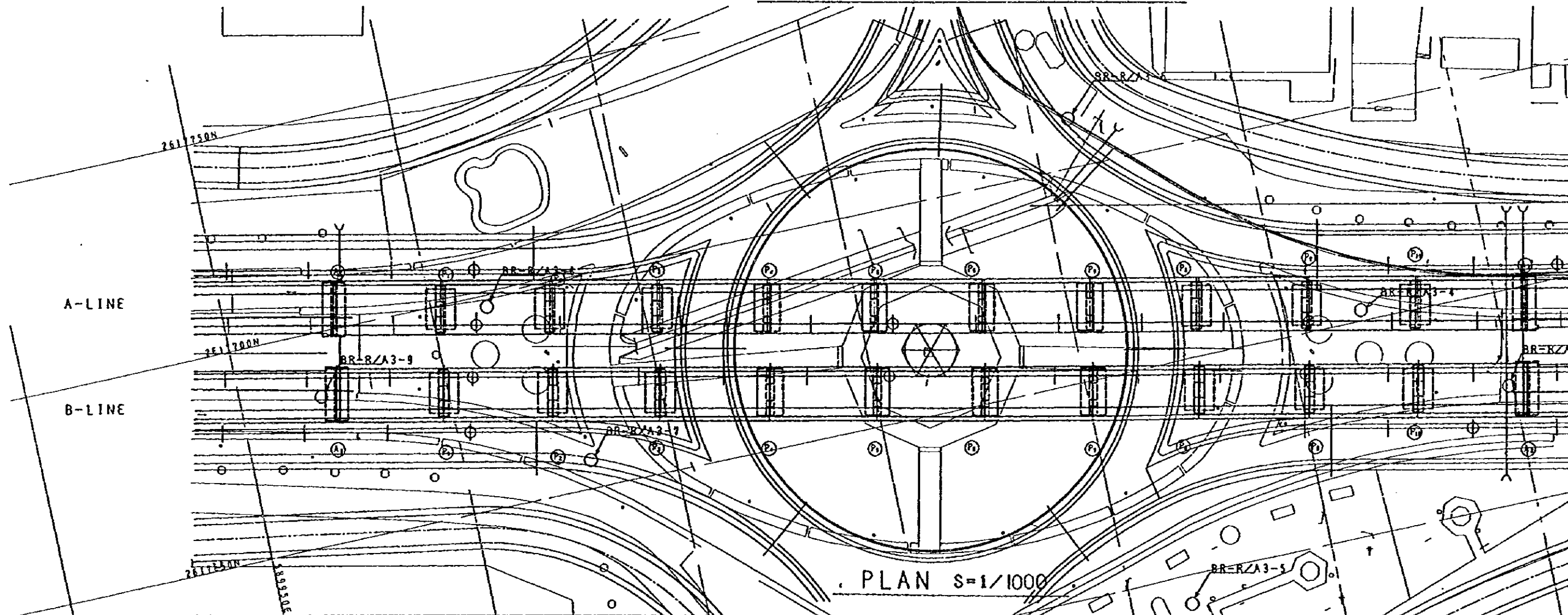
	PH1	PH2	PH3	REMARKS
P1	20.187	14.804	8.787	T-Wall
P2	20.458	14.803	9.058	"
P3	20.661	14.802	9.261	"
P4	20.796	15.100	9.196	Two Column
P5	20.863	15.900	9.263	"
P6	20.863	15.890	9.263	"
P7	20.796	15.100	9.196	"
P8	20.661	14.782	9.261	T-Wall
P9	20.458	14.752	9.058	"
P10	20.187	14.722	8.787	"

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)
JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
YUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE: GENERAL VIEW RA/3 BARKA (A-LINE)
DATE: _____ DWGNO. B-1

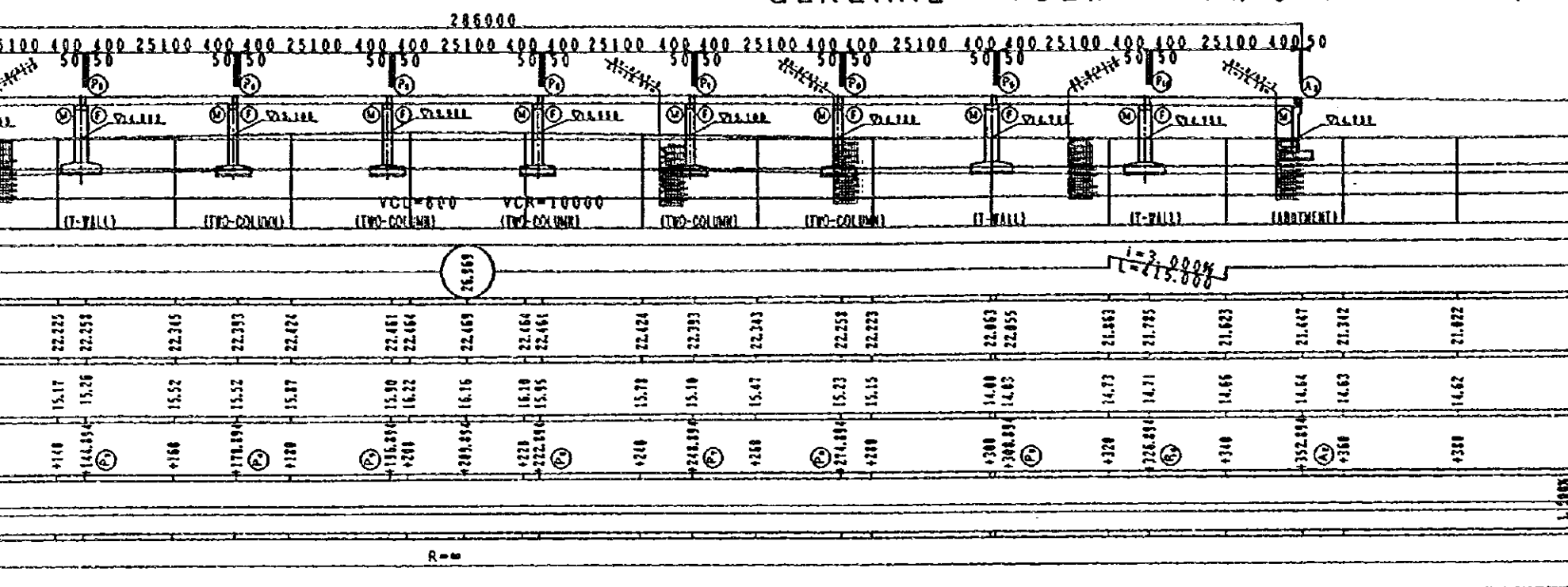


PROFILE (B-LINE) S=1/1000

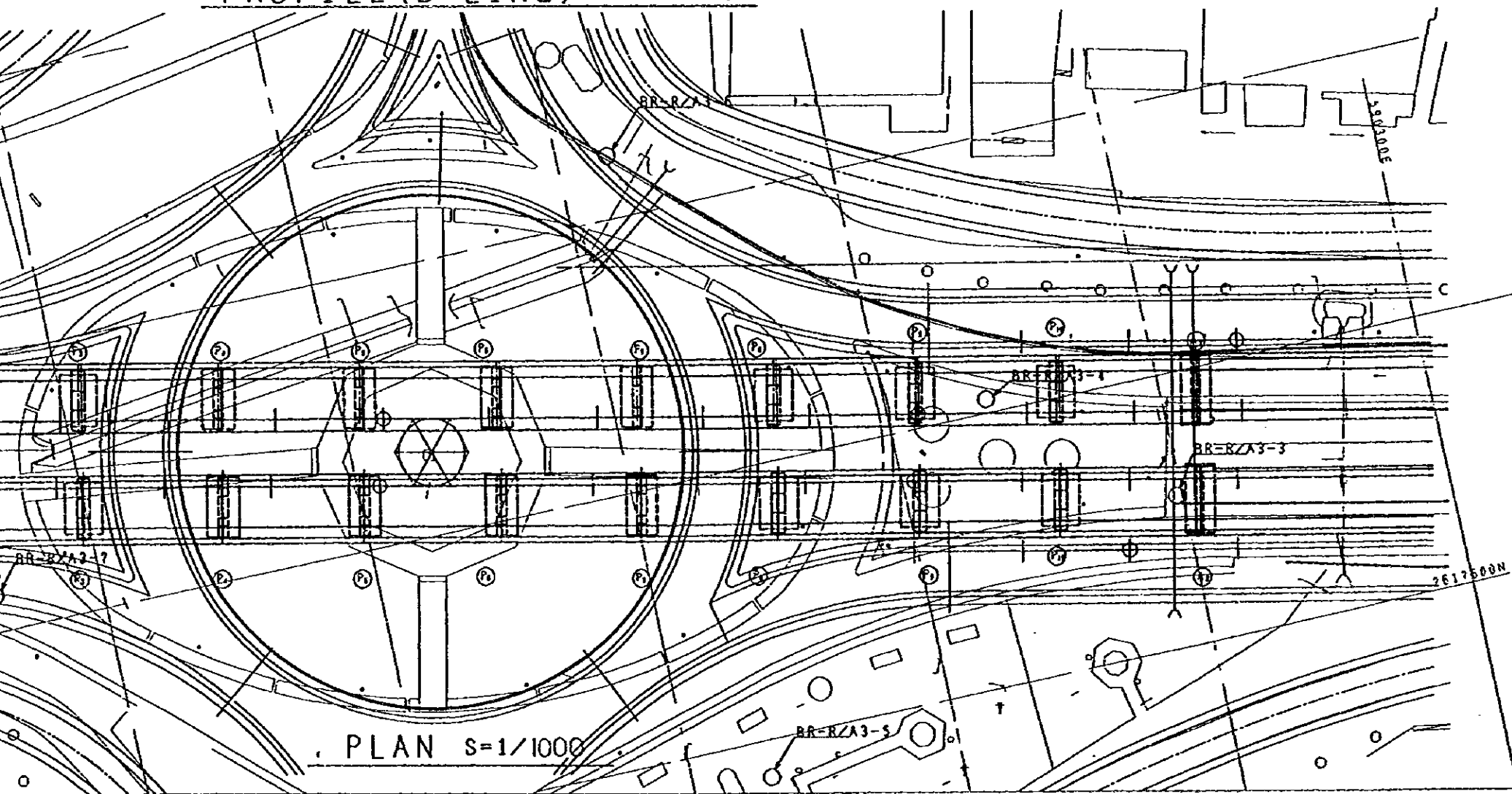


NOTES:

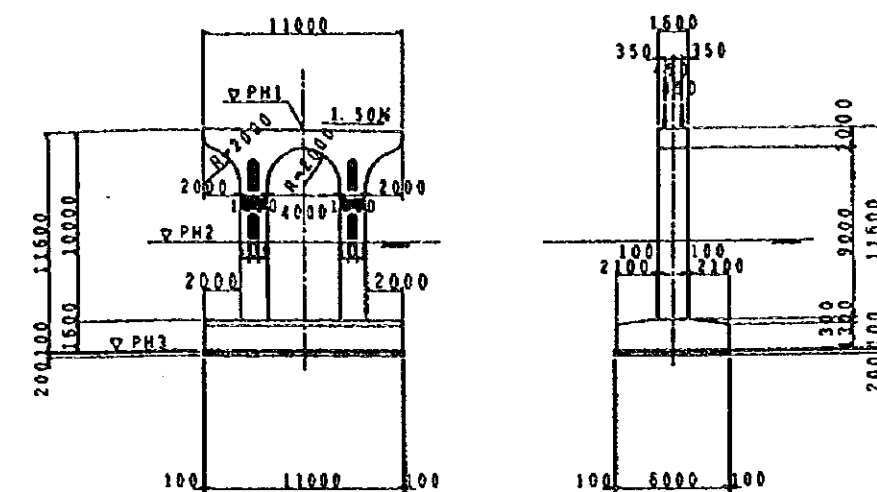
GENERAL VIEW RA/3 BARKA (B-LINE)



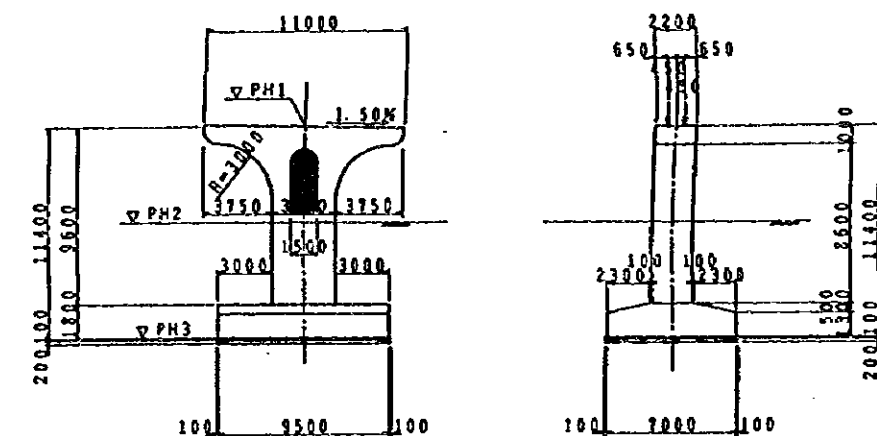
PROFILE (B-LINE) S=1/1000



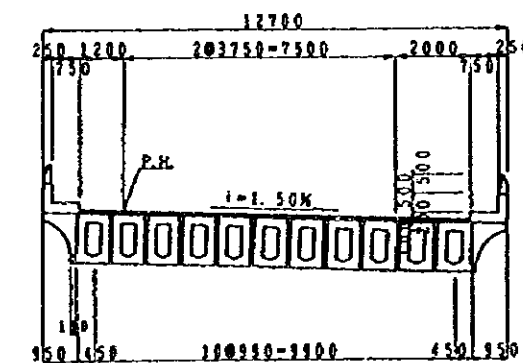
PLAN S=1/1000



SECTION OF PIERS (Two Column) S=1/400

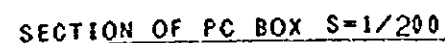
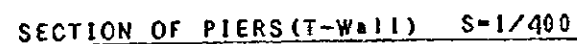


SECTION OF PIERS (T-Wall) S=1/400



SECTION OF PC BOX S=1/200

0	100	25100	400	50

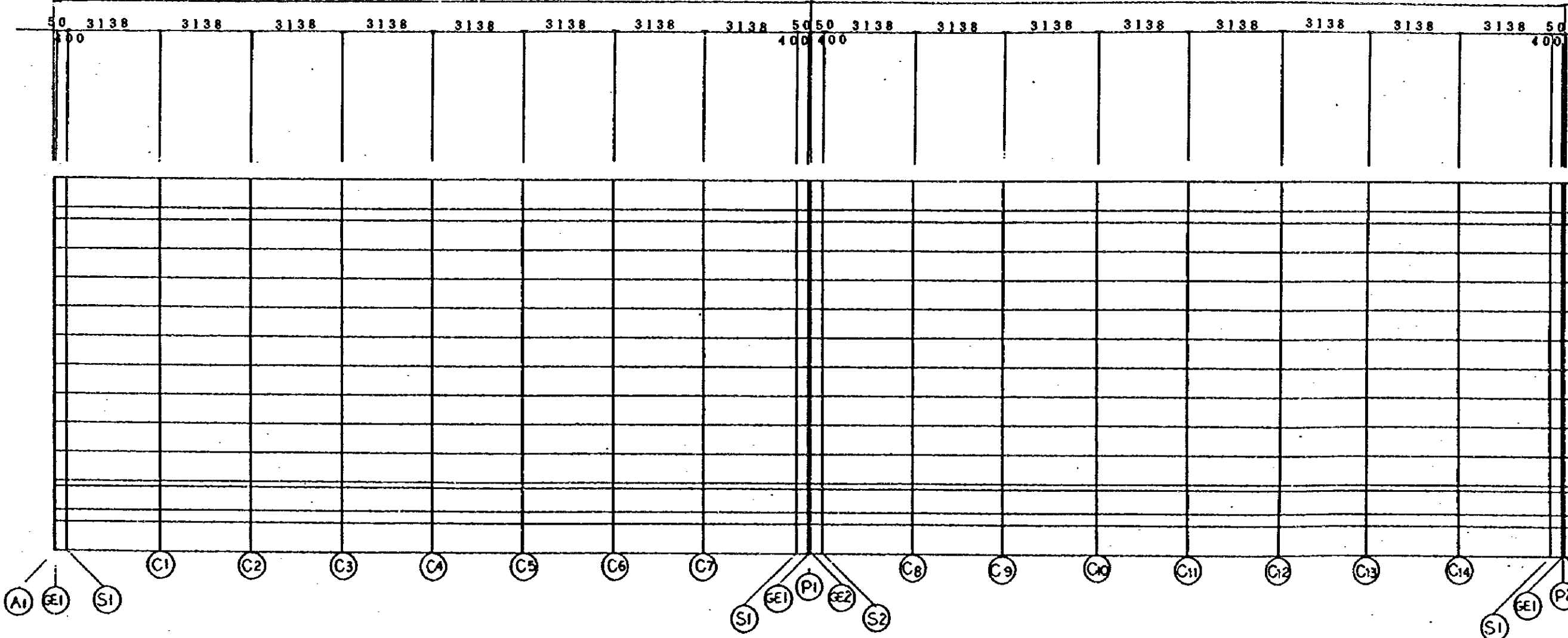


	PH1	PH2	PH3	REMARKS
P1	20.187	14.804	8.787	T-Wall
P2	20.458	14.803	9.058	"
P3	20.661	14.802	9.261	"
P4	20.796	15.100	9.196	Two Columns
P5	20.863	15.900	9.263	"
P6	20.863	15.950	9.263	"
P7	20.796	15.100	9.196	"
P8	20.661	14.780	9.261	T-Wall
P9	20.458	14.765	9.058	"
P10	20.187	14.751	8.787	"

STA NO. 1+66.120

26004

26004

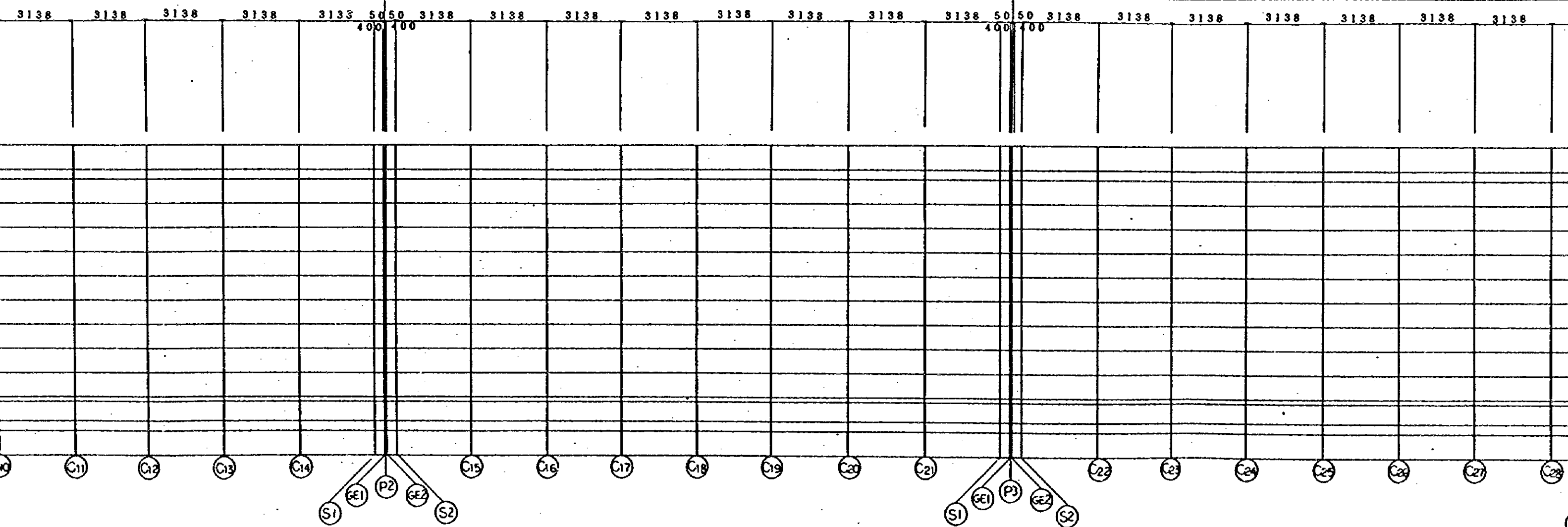


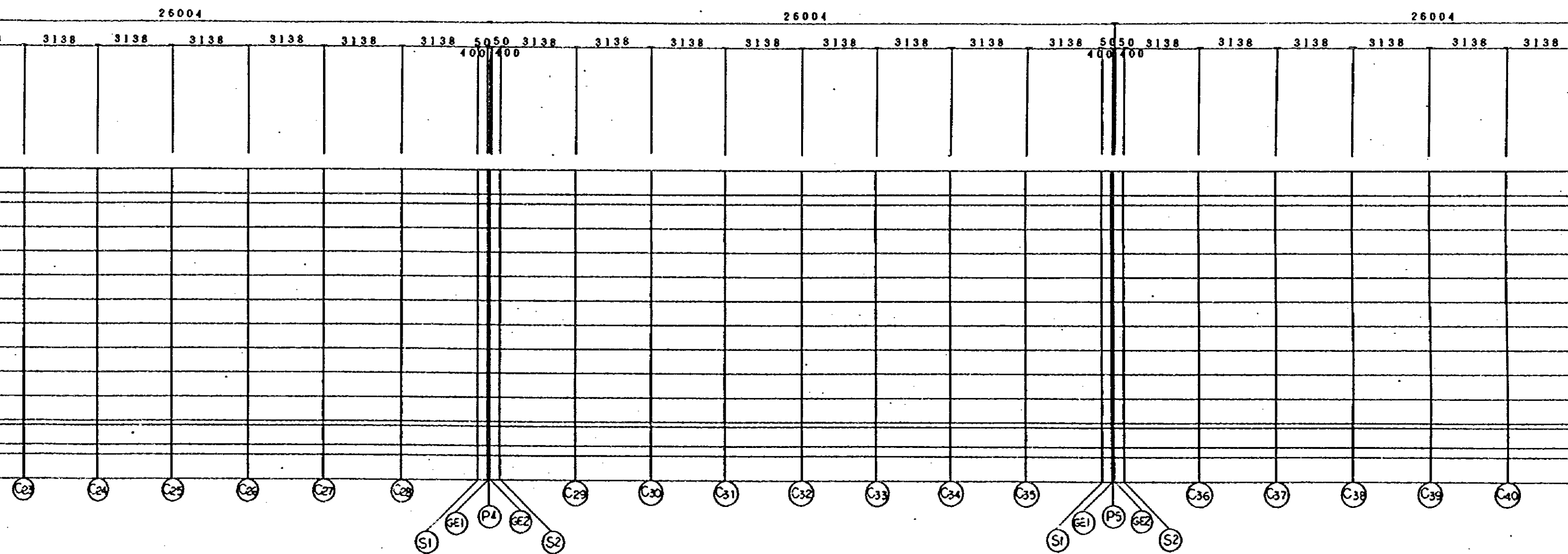
NOTES:

26004

26004

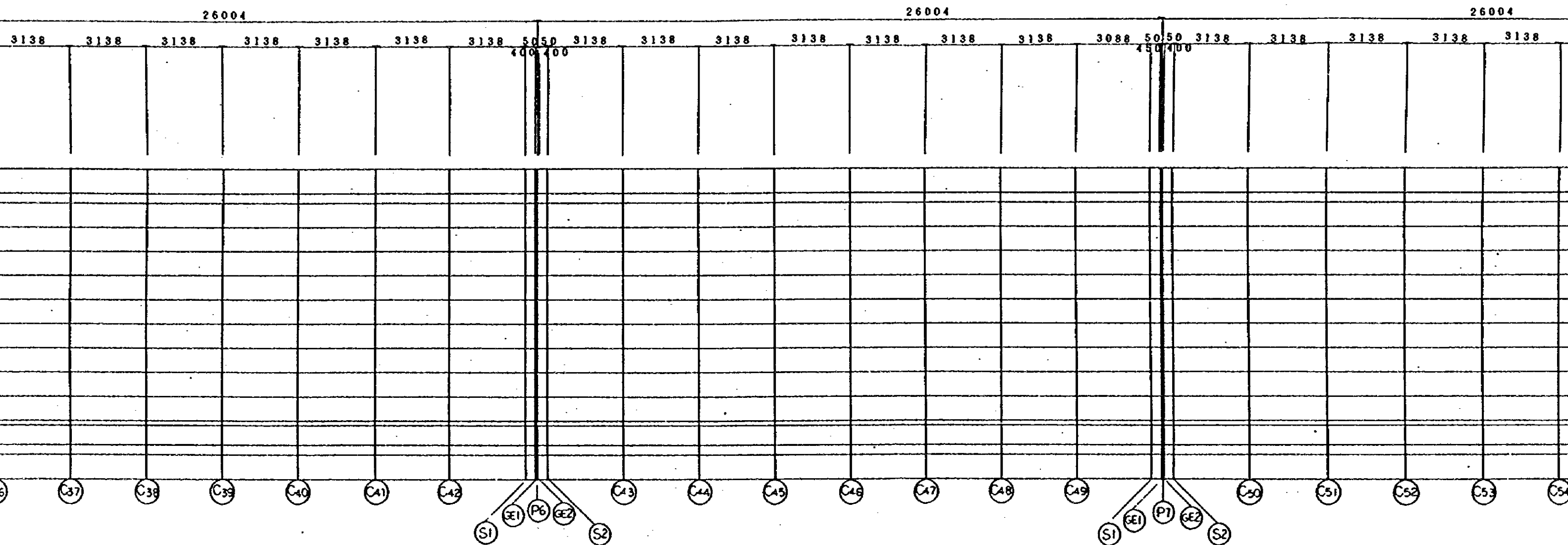
26004

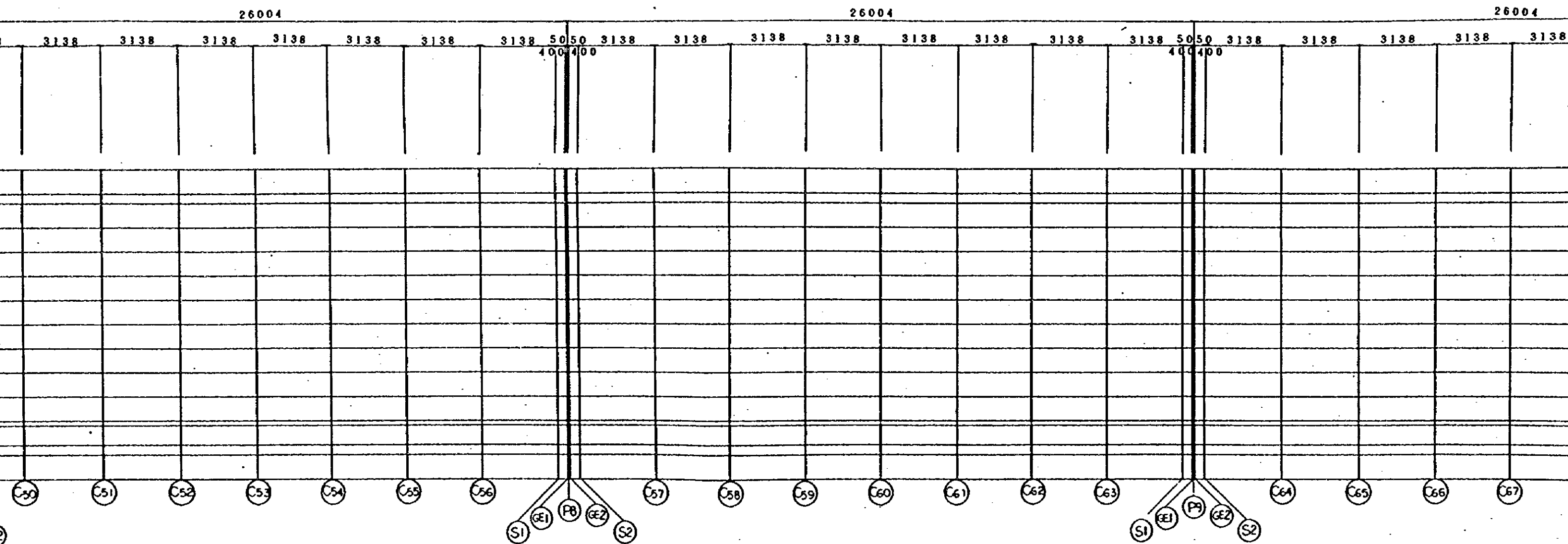




R/A-3 BARKA

A-LINE





BARKA(A)

SECTION		A1	A1-GE1	A1-S1	C4	P1-S1	P1-GE1	P1	P1-GE2	P1-S2	C11	P2-S1	P2-GE1	P2
STATION		1 + 68.1200	1 + 66.1700	1 + 66.5700	1 + 79.1200	1 + 91.6700	1 + 92.0700	1 + 92.1200	1 + 92.1700	1 + 92.5700	1 + 105.1200	1 + 117.6700	1 + 118.0700	1 + 118.1200
L4	X	0	0.05	0.45	13	25.55	25.95	26	26.05	26.45	39	51.55	51.95	52
	Y	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Z	21.1891	21.1898	21.1955	21.3665	21.5218	21.5265	21.5271	21.5276	21.5323	21.6707	21.7933	21.797	21.7975
L3	X	0	0.05	0.45	13	25.55	25.95	26	26.05	26.45	39	51.55	51.95	52
	Y	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35
	Z	21.3041	21.3048	21.3105	21.4815	21.6368	21.6415	21.6421	21.6426	21.6473	21.7857	21.9083	21.912	21.9125
G6(PIER CENTER)	X	0	0.05	0.45	13	25.55	25.95	26	26.05	26.45	39	51.55	51.95	52
	Y	0	0	0	0	0	0	0	0	0	0	0	0	0
	Z	21.3843	21.385	21.3907	21.5617	21.717	21.7217	21.7223	21.7229	21.7276	21.8659	21.9886	21.9922	21.9927
CL	X	0	0.05	0.45	13	25.55	25.95	26	26.05	26.45	39	51.55	51.95	52
	Y	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15
	Z	21.4465	21.4473	21.453	21.624	21.7793	21.784	21.7845	21.7851	21.7898	21.9282	22.0508	22.0545	22.055
L2	X	0	0.05	0.45	13	25.55	25.95	26	26.05	26.45	39	51.55	51.95	52
	Y	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35
	Z	21.4646	21.4653	21.471	21.642	21.7973	21.802	21.8026	21.8031	21.8078	21.9462	22.0688	22.0725	22.073
L1	X	0	0.05	0.45	13	25.55	25.95	26	26.05	26.45	39	51.55	51.95	52
	Y	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35
	Z	21.3795	21.3803	21.386	21.557	21.7123	21.717	21.7175	21.7181	21.7228	21.8612	21.9838	21.9875	21.9879

NOTES:

S2	C11	P2-S1	P2-GE1	P2	P2-GE2	P2-S2	C18	P3-S1	P3-GE1	P3	P3-GE2	P3-S2	C25	P4-S1	P4-GE1	P4	P4-GE2	P4-S2	C32	P5-S1	P5-
5700	1 + 105.1200	1 + 117.6700	1 + 118.0700	1 + 118.1200	1 + 118.1700	1 + 118.5700	1 + 131.1200	1 + 143.6700	1 + 144.0700	1 + 144.1200	1 + 144.1700	1 + 144.5700	1 + 157.1200	1 + 169.6700	1 + 170.0700	1 + 170.1200	1 + 170.1700	1 + 170.5700	1 + 183.1200	1 + 195.6700	1 + 19
6.45	39	51.55	51.95	52	52.05	52.45	65	77.55	77.95	78	78.05	78.45	91	103.55	103.95	104	104.05	104.45	117	129.55	1
6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
5323	21.6707	21.7933	21.797	21.7975	21.7979	21.8015	21.9073	21.9973	21.9999	22.0003	22.0006	22.0032	22.0763	22.1337	22.1353	22.1355	22.1356	22.1372	22.1777	22.2025	2
6.45	39	51.55	51.95	52	52.05	52.45	65	77.55	77.95	78	78.05	78.45	91	103.55	103.95	104	104.05	104.45	117	129.55	1
5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35
5473	21.7857	21.9083	21.912	21.9125	21.9129	21.9165	22.0223	22.1123	22.1149	22.1153	22.1156	22.1182	22.1913	22.2487	22.2503	22.2505	22.2506	22.2522	22.2927	22.3175	2
6.45	39	51.55	51.95	52	52.05	52.45	65	77.55	77.95	78	78.05	78.45	91	103.55	103.95	104	104.05	104.45	117	129.55	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7276	21.8659	21.9886	21.9922	21.9927	21.9932	21.9968	22.1025	22.1926	22.1952	22.1955	22.1958	22.1984	22.2715	22.3289	22.3305	22.3307	22.3309	22.3324	22.3729	22.3977	22
6.45	39	51.55	51.95	52	52.05	52.45	65	77.55	77.95	78	78.05	78.45	91	103.55	103.95	104	104.05	104.45	117	129.55	1
4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15
7898	21.9282	22.0508	22.0545	22.055	22.0554	22.059	22.1648	22.2548	22.2574	22.2578	22.2581	22.2607	22.3338	22.3912	22.3928	22.3929	22.3931	22.3947	22.4352	22.46	22
6.45	39	51.55	51.95	52	52.05	52.45	65	77.55	77.95	78	78.05	78.45	91	103.55	103.95	104	104.05	104.45	117	129.55	1
5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35
3078	21.9462	22.0688	22.0725	22.073	22.0734	22.077	22.1828	22.2728	22.2754	22.2758	22.2761	22.2787	22.3518	22.4092	22.4108	22.411	22.4111	22.4127	22.4532	22.478	22
6.45	39	51.55	51.95	52	52.05	52.45	65	77.55	77.95	78	78.05	78.45	91	103.55	103.95	104	104.05	104.45	117	129.55	1
6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35
7228	21.8612	21.9838	21.9875	21.9879	21.9884	21.992	22.0978	22.1878	22.1904	22.1907	22.1911	22.1937	22.2668	22.3242	22.3258	22.3259	22.3261	22.3277	22.3682	22.393	22

FRAMING PLAN AT RA/03 BARKA (A-LINE)

	P4	P4-GE2	P4-S2	C32	P5-S1	P5-GE1	P5	P5-GE2	P5-S2	C39	P6-S1	P6-GE1	P6	P6-GE2	P6-S2	C46	P7-S1	P7-GE1	P7	P7-GE2	P7-S2
1	170.1200	170.1700	170.5700	183.1200	195.6700	196.0700	196.1200	196.1700	196.5700	209.1200	221.6700	222.0700	222.1200	222.1700	222.5700	235.1200	247.6200	248.0700	248.1200	248.1700	248.5
5	104	104.05	104.45	117	129.55	129.95	130	130.05	130.45	143	155.55	155.95	156	156.05	156.45	169	181.5	181.95	182	182.05	182
5	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6
5	22.1355	22.1356	22.1372	22.1777	22.2025	22.203	22.2031	22.2031	22.2036	22.2115	22.2036	22.2031	22.2031	22.203	22.2025	22.1777	22.1374	22.1356	22.1355	22.1353	22.13
5	104	104.05	104.45	117	129.55	129.95	130	130.05	130.45	143	155.55	155.95	156	156.05	156.45	169	181.5	181.95	182	182.05	182
5	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5
3	22.2505	22.2506	22.2522	22.2927	22.3175	22.318	22.3181	22.3181	22.3186	22.3265	22.3186	22.3181	22.3181	22.318	22.3175	22.2927	22.2524	22.2506	22.2505	22.2503	22.24
5	104	104.05	104.45	117	129.55	129.95	130	130.05	130.45	143	155.55	155.95	156	156.05	156.45	169	181.5	181.95	182	182.05	182
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	22.3307	22.3309	22.3324	22.3729	22.3977	22.3982	22.3983	22.3984	22.3989	22.4067	22.3989	22.3984	22.3983	22.3982	22.3977	22.3729	22.3326	22.3309	22.3307	22.3305	22.32
5	104	104.05	104.45	117	129.55	129.95	130	130.05	130.45	143	155.55	155.95	156	156.05	156.45	169	181.5	181.95	182	182.05	182
5	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4
3	22.3929	22.3931	22.3947	22.4352	22.46	22.4605	22.4605	22.4606	22.4611	22.469	22.4611	22.4606	22.4606	22.4605	22.46	22.4352	22.3949	22.3931	22.393	22.3928	22.39
5	104	104.05	104.45	117	129.55	129.95	130	130.05	130.45	143	155.55	155.95	156	156.05	156.45	169	181.5	181.95	182	182.05	182
5	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5
3	22.411	22.4111	22.4127	22.4532	22.478	22.4785	22.4786	22.4786	22.4791	22.487	22.4791	22.4786	22.4786	22.4785	22.478	22.4532	22.4129	22.4111	22.411	22.4108	22.40
5	104	104.05	104.45	117	129.55	129.95	130	130.05	130.45	143	155.55	155.95	156	156.05	156.45	169	181.5	181.95	182	182.05	182
5	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6
8	22.3259	22.3261	22.3277	22.3682	22.393	22.3935	22.3935	22.3936	22.3941	22.402	22.3941	22.3936	22.3935	22.3935	22.393	22.3682	22.3279	22.3261	22.326	22.3258	22.32

	P7-S1	P7-GE1	P7	P7-GE2	P7-S2	C53	P8-S1	P8-GE1	P8	P8-GE2	P8-S2	C60	P9-S1	P9-GE1	P9	P9-GE2	P9-S2	C67	P10-S1	P10-GE1	P10-S2
200	1 + 247.6200	1 + 248.0700	1 + 248.1200	1 + 248.1700	1 + 248.5700	1 + 261.1200	1 + 273.6700	1 + 274.0700	1 + 274.1200	1 + 274.1700	1 + 274.5700	1 + 287.1200	1 + 299.6700	1 + 300.0700	1 + 300.1200	1 + 300.1700	1 + 300.5700	1 + 313.1200	1 + 325.6700	1 + 326.0700	1 + 326.1200
69	181.5	181.95	182	182.05	182.45	195	207.55	207.95	208	208.05	208.45	221	233.55	233.95	234	234.05	234.45	247	259.55	259.95	260
35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
77	22.1374	22.1356	22.1355	22.1353	22.1337	22.0763	22.0032	22.0006	22.0003	21.9999	21.9973	21.9073	21.8015	21.7979	21.7975	21.797	21.7933	21.6707	21.5323	21.5276	21.527
69	181.5	181.95	182	182.05	182.45	195	207.55	207.95	208	208.05	208.45	221	233.55	233.95	234	234.05	234.45	247	259.55	259.95	260
35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35
27	22.2524	22.2506	22.2505	22.2503	22.2487	22.1913	22.1182	22.1156	22.1153	22.1149	22.1123	22.0223	21.9165	21.9129	21.9125	21.912	21.9083	21.7857	21.6473	21.6426	21.642
69	181.5	181.95	182	182.05	182.45	195	207.55	207.95	208	208.05	208.45	221	233.55	233.95	234	234.05	234.45	247	259.55	259.95	260
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	22.3326	22.3309	22.3307	22.3305	22.3289	22.2715	22.1984	22.1958	22.1955	22.1952	22.1926	22.1025	21.9968	21.9932	21.9927	21.9922	21.9886	21.8659	21.7276	21.7229	21.722
69	181.5	181.95	182	182.05	182.45	195	207.55	207.95	208	208.05	208.45	221	233.55	233.95	234	234.05	234.45	247	259.55	259.95	260
15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15
52	22.3949	22.3931	22.393	22.3928	22.3912	22.3338	22.2607	22.2581	22.2577	22.2574	22.2548	22.1648	22.059	22.0554	22.0549	22.0545	22.0508	21.9282	21.7898	21.7851	21.785
69	181.5	181.95	182	182.05	182.45	195	207.55	207.95	208	208.05	208.45	221	233.55	233.95	234	234.05	234.45	247	259.55	259.95	260
35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35
32	22.4129	22.4111	22.411	22.4108	22.4092	22.3518	22.2787	22.2761	22.2758	22.2754	22.2728	22.1828	22.077	22.0734	22.073	22.0725	22.0688	21.9462	21.8078	21.8031	21.803
69	181.5	181.95	182	182.05	182.45	195	207.55	207.95	208	208.05	208.45	221	233.55	233.95	234	234.05	234.45	247	259.55	259.95	260
35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35
82	22.3279	22.3261	22.326	22.3258	22.3242	22.2668	22.1937	22.1911	22.1907	22.1904	22.1878	22.0978	21.992	21.9884	21.9879	21.9875	21.9838	21.8612	21.7228	21.7181	21.718

P9-S1	P9-GE1	P9	P9-GE2	P9-S2	C67	P10-S1	P10-GE1	P10	P10-GE2	P10-S2	C74	A2-S1	A2-GE1	A2
299.6700	1 + 300.0700	1 + 300.1200	1 + 300.1700	1 + 300.5700	1 + 313.1200	1 + 325.6700	1 + 326.0700	1 + 326.1200	1 + 326.1700	1 + 326.5700	1 + 339.1200	1 + 351.6700	1 + 352.0700	1 + 352.1200
233.55	233.95	234	234.05	234.45	247	259.55	259.95	260	260.05	260.45	273	285.55	285.95	286
6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
21.8015	21.7979	21.7975	21.797	21.7933	21.6707	21.5323	21.5276	21.5271	21.5265	21.5218	21.3665	21.1955	21.1898	21.1891
233.55	233.95	234	234.05	234.45	247	259.55	259.95	260	260.05	260.45	273	285.55	285.95	286
5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35
21.9165	21.9129	21.9125	21.912	21.9083	21.7857	21.6473	21.6426	21.6421	21.6415	21.6368	21.4815	21.3105	21.3048	21.3041
233.55	233.95	234	234.05	234.45	247	259.55	259.95	260	260.05	260.45	273	285.55	285.95	286
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21.9968	21.9932	21.9927	21.9922	21.9886	21.8659	21.7276	21.7229	21.7223	21.7217	21.717	21.5617	21.3907	21.385	21.3843
233.55	233.95	234	234.05	234.45	247	259.55	259.95	260	260.05	260.45	273	285.55	285.95	286
-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15
22.059	22.0554	22.0549	22.0545	22.0508	21.9282	21.7898	21.7851	21.7845	21.784	21.7793	21.624	21.453	21.4473	21.4465
233.55	233.95	234	234.05	234.45	247	259.55	259.95	260	260.05	260.45	273	285.55	285.95	286
-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35
22.077	22.0734	22.073	22.0725	22.0688	21.9462	21.8078	21.8031	21.8026	21.802	21.7973	21.642	21.471	21.4653	21.4646
233.55	233.95	234	234.05	234.45	247	259.55	259.95	260	260.05	260.45	273	285.55	285.95	286
-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35
21.992	21.9884	21.9879	21.9875	21.9838	21.8612	21.7228	21.7181	21.7175	21.717	21.7123	21.557	21.386	21.3803	21.3795

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)
JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY
PROJECT: D/D ON P
TITLE CO-ORDI
DATE

	P10-GE2	P10-S2	C74	A2-S1	A2-GE1	A2
00	1 + 326.1700	1 + 326.5700	1 + 339.1200	1 + 351.6700	1 + 352.0700	1 + 352.1200
0	260.05	260.45	273	285.55	285.95	286
5	6.35	6.35	6.35	6.35	6.35	6.35
1	21.5265	21.5218	21.3665	21.1955	21.1898	21.1891
0	260.05	260.45	273	285.55	285.95	286
5	5.35	5.35	5.35	5.35	5.35	5.35
1	21.6415	21.6368	21.4815	21.3105	21.3048	21.3041
0	260.05	260.45	273	285.55	285.95	286
0	0	0	0	0	0	0
3	21.7217	21.717	21.5617	21.3907	21.385	21.3843
0	260.05	260.45	273	285.55	285.95	286
5	-4.15	-4.15	-4.15	-4.15	-4.15	-4.15
5	21.784	21.7793	21.624	21.453	21.4473	21.4465
0	260.05	260.45	273	285.55	285.95	286
35	-5.35	-5.35	-5.35	-5.35	-5.35	-5.35
26	21.802	21.7973	21.642	21.471	21.4653	21.4646
60	260.05	260.45	273	285.55	285.95	286
35	-6.35	-6.35	-6.35	-6.35	-6.35	-6.35
75	21.717	21.7123	21.557	21.386	21.3803	21.3795

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

PROJECT: B/D ON ROAD DEVELOPMENT PROJECT ON BATHAN HIGHWAY

TITLE CO-ORDINATE LIST RA/03 AT A-LINE

DATE

FIGURE

B-4