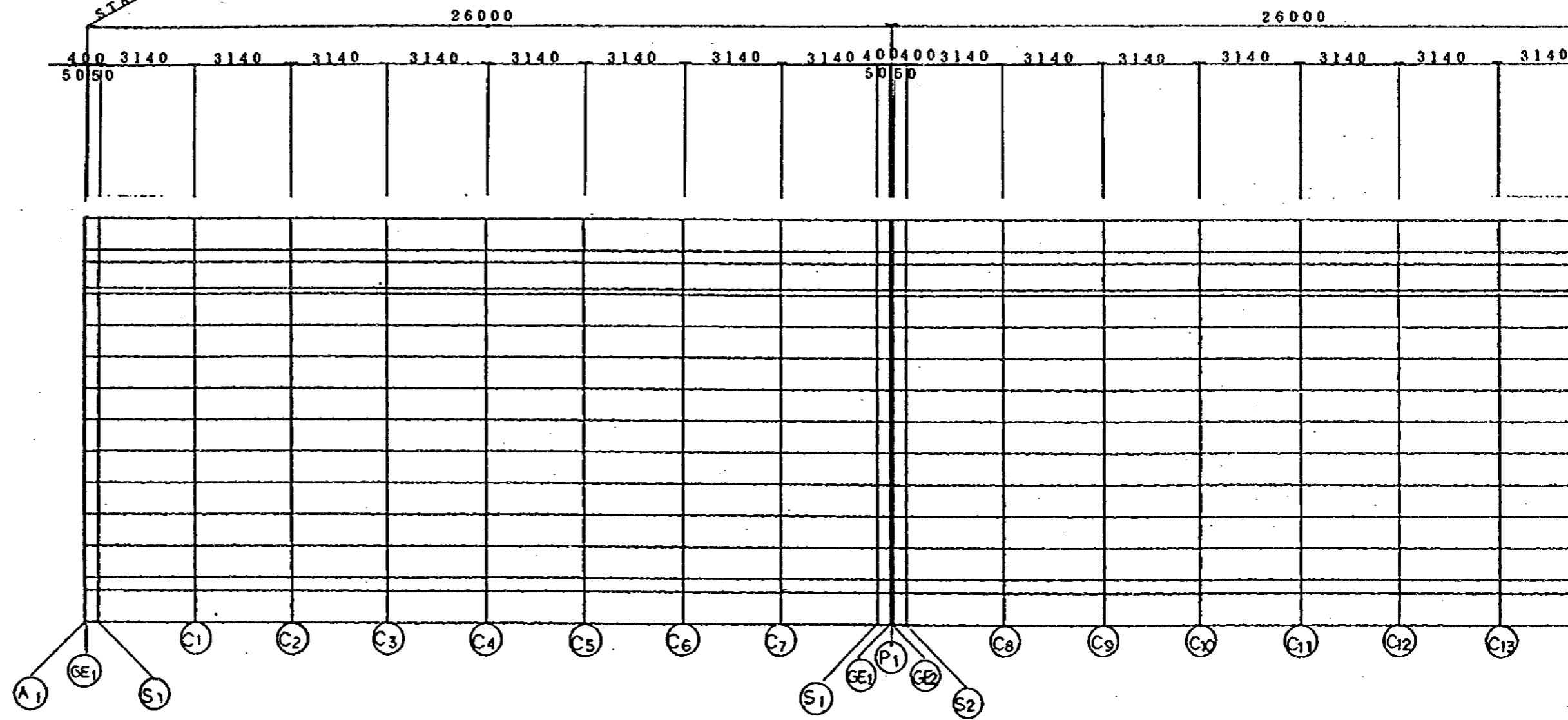
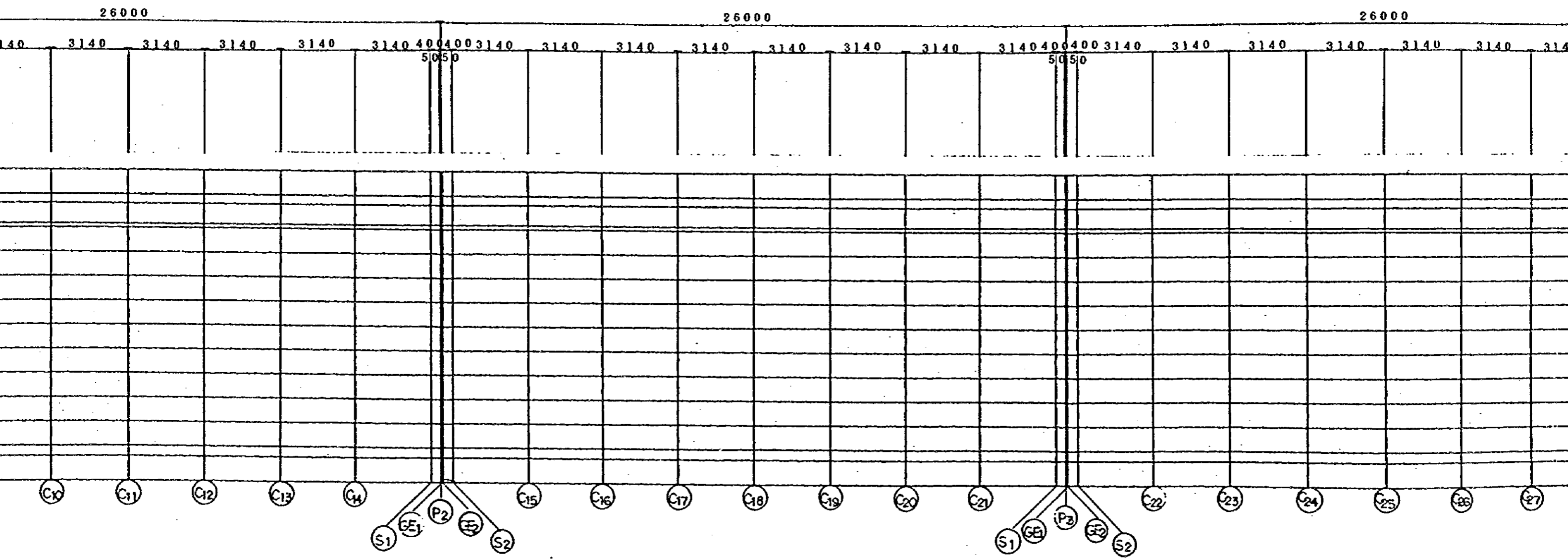


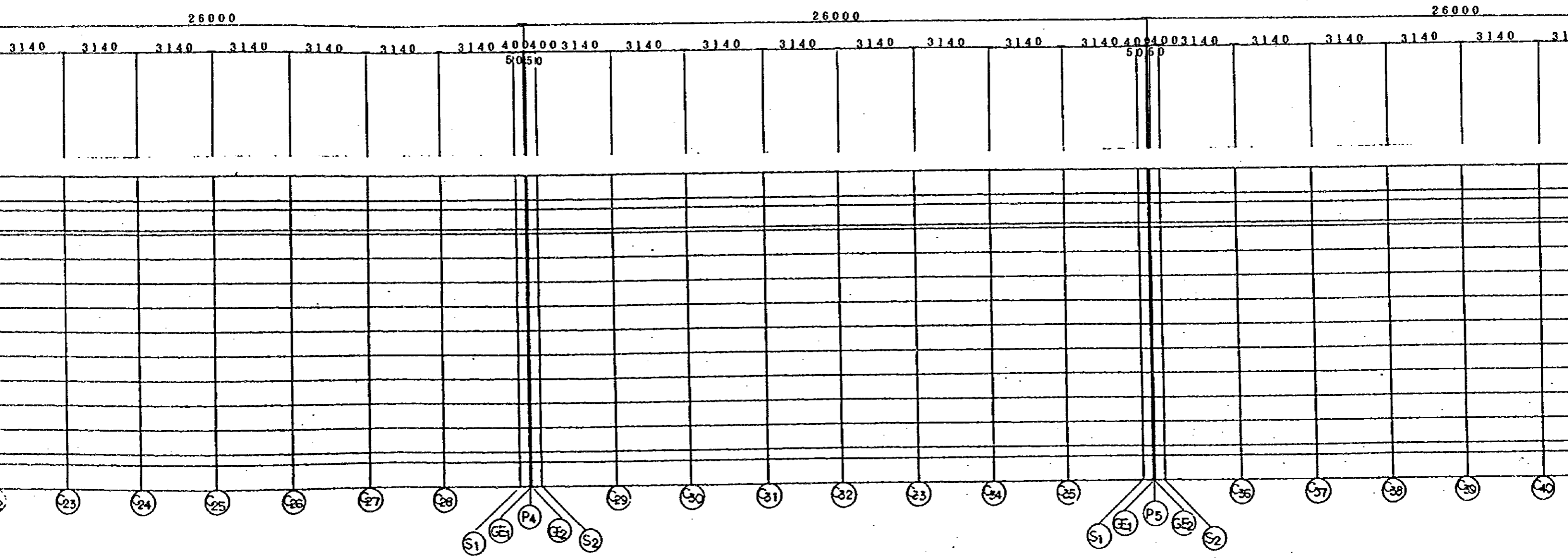
STA NO. 0+957.000



NOTES:

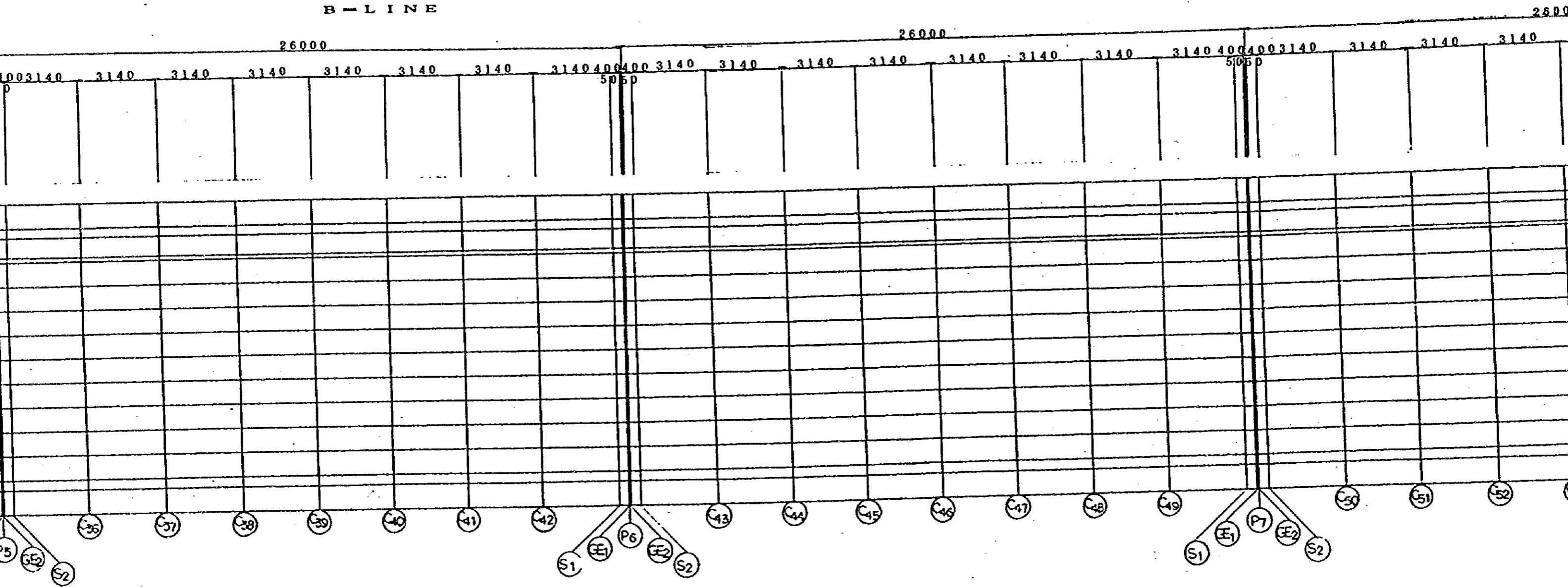


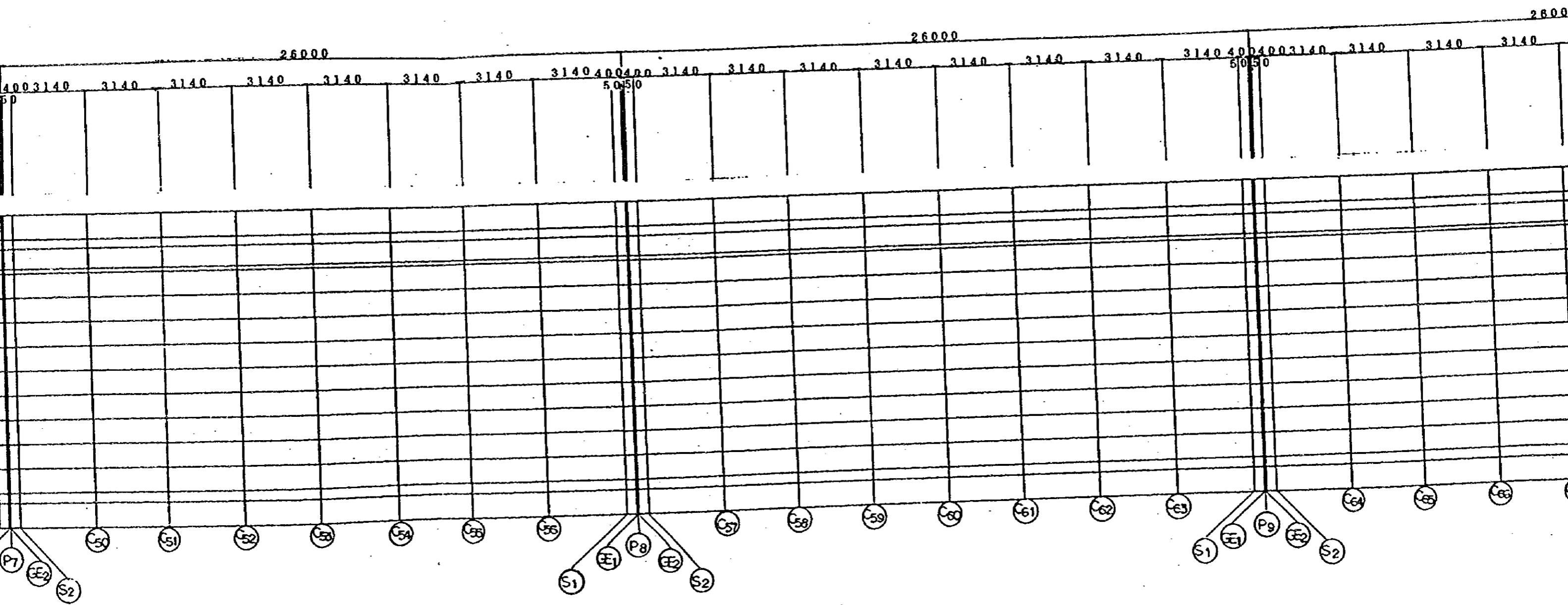
RA/10-S  
B-LIN



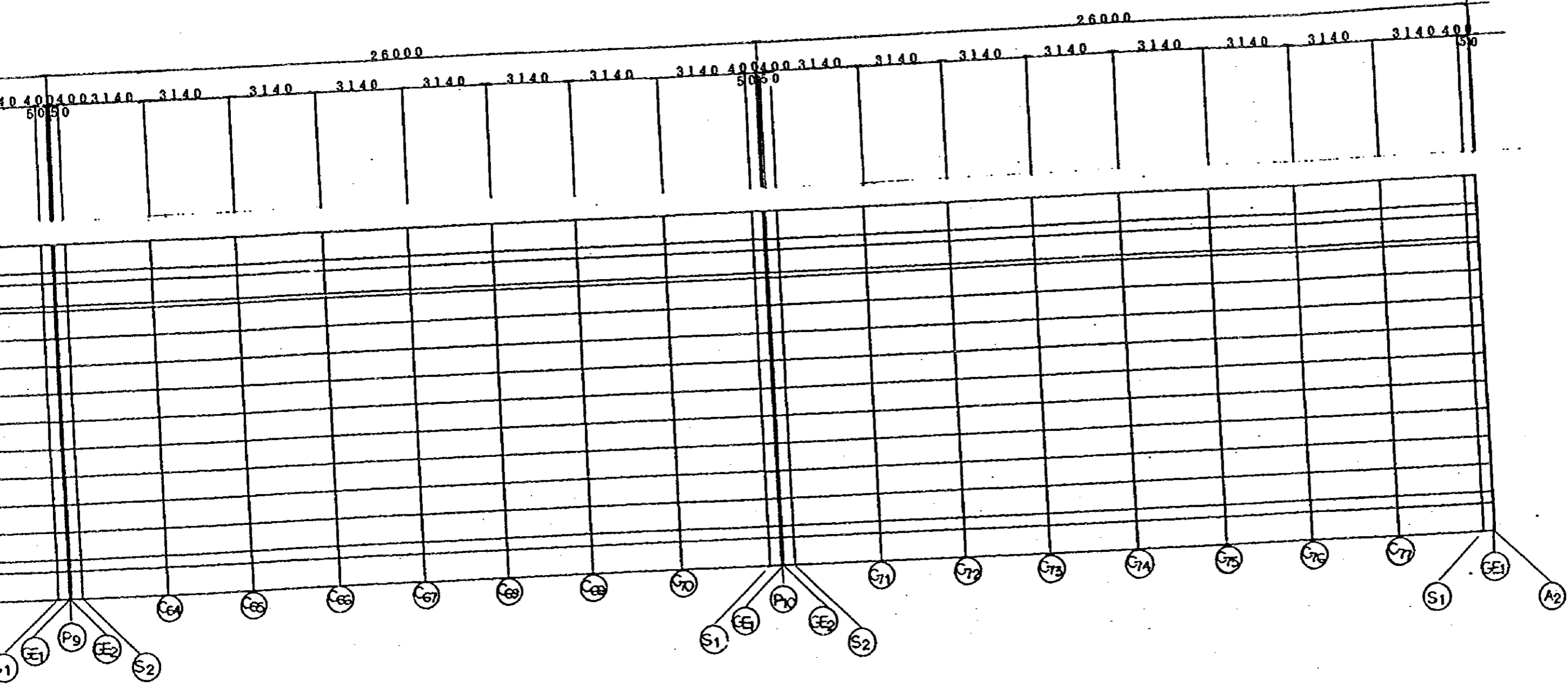
# RA/10-SAHAM

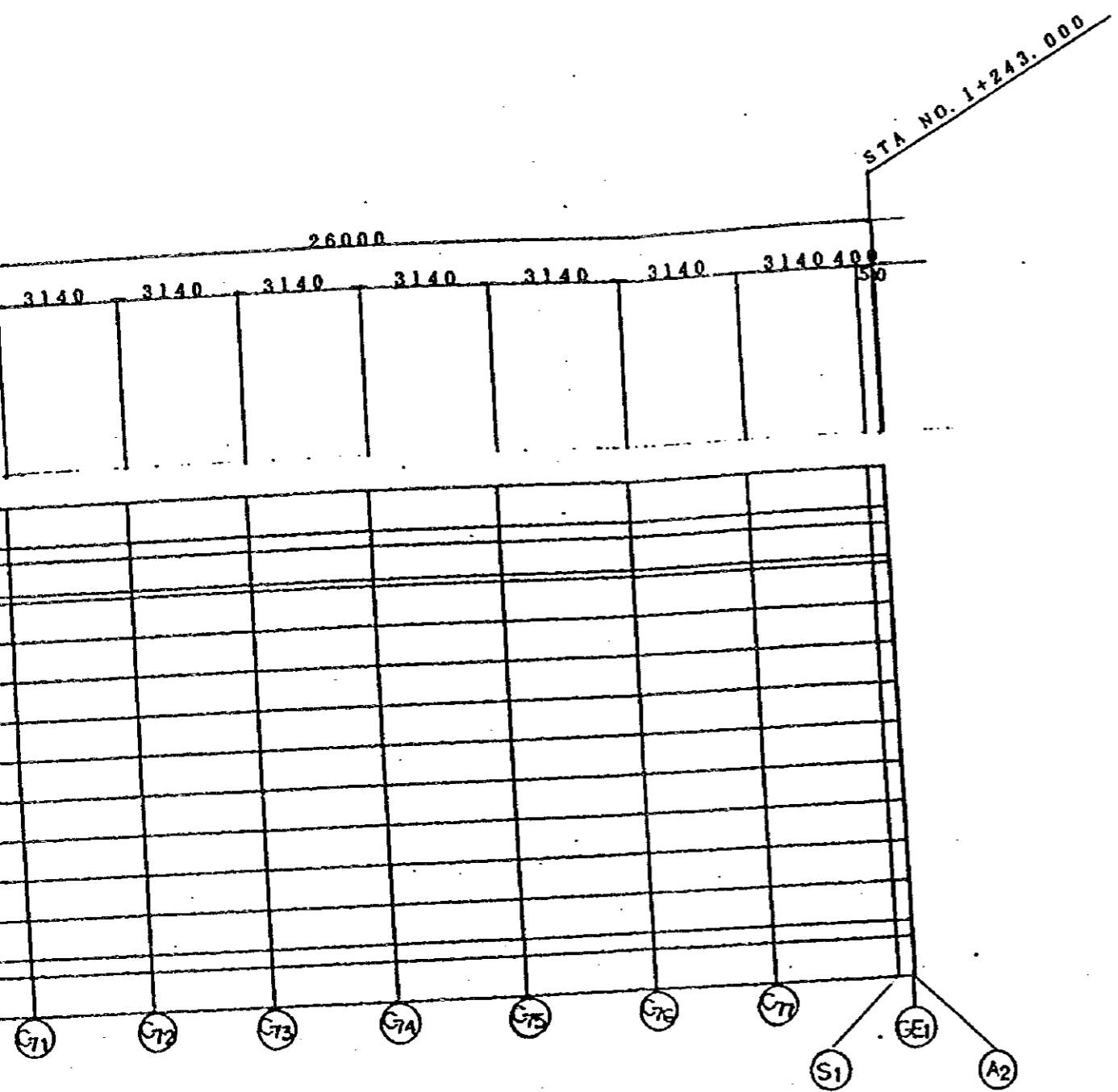
B-LINE



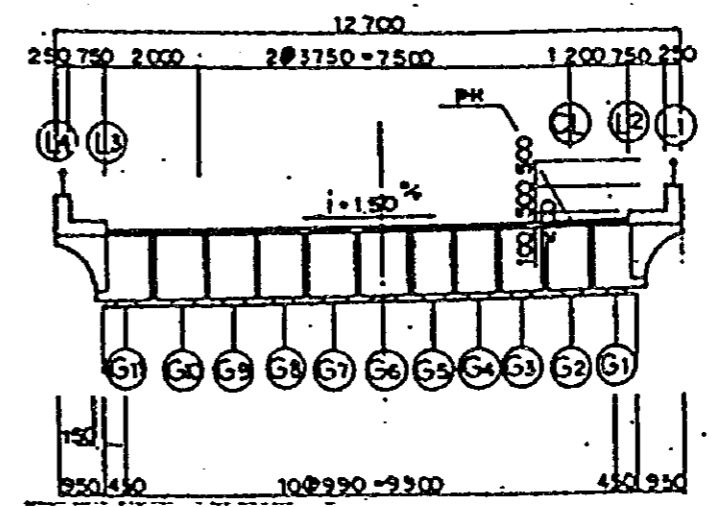


STA NO. 1+243.000





B - LINE



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: FRAMING PLAN RA/10 AT B-LINE	DATE:   DWGNO. B-5

SAHAM(B)

SECTION		A1	A1-GE1	A1-S1	C4	PI-S1	P1-GE1	P1	P1-GE2	PI-S2	C11	P2-S1	P2-GE1	
STATION		0 + 957.0000	0 + 957.0500	0 + 957.4500	0 + 970.0000	0 + 982.5500	0 + 982.9500	0 + 983.0000	0 + 983.0500	0 + 983.4500	0 + 996.0000	1 + 8.5500	1 + 8.9500	1 +
L1	X	0.1811	0.2311	0.6309	13.1705	25.7111	26.1109	26.1609	26.2109	26.6108	39.152	51.694	52.0939	
	Y	6.3475	6.346	6.3346	5.9936	5.684	5.6747	5.6735	5.6723	5.663	5.3871	5.1425	5.1352	
	Z	22.0175	22.0183	22.024	22.195	22.3503	22.355	22.3555	22.3561	22.3608	22.4992	22.6218	22.6255	
L2	X	0.1526	0.2026	0.6024	13.1446	25.6877	26.0876	26.1376	26.1876	26.5875	39.1313	51.6758	52.0758	
	Y	5.3479	5.3464	5.3351	4.994	4.6843	4.6749	4.6738	4.6726	4.6633	4.3873	4.1427	4.1354	
	Z	22.1325	22.1333	22.139	22.31	22.4653	22.47	22.4705	22.4711	22.4758	22.6142	22.7368	22.7405	
CL	X	0.1184	0.1683	0.5682	13.1135	25.6597	26.0596	26.1096	26.1596	26.5595	39.1064	51.654	52.054	
	Y	4.1484	4.1469	4.1355	3.7944	3.4846	3.4753	3.4741	3.4729	3.4636	3.1875	2.9429	2.9356	
	Z	22.1505	22.1513	22.157	22.328	22.4833	22.488	22.4886	22.4891	22.4938	22.6322	22.7548	22.7585	
G6(PIER CENTER)	X	0	0.05	0.4498	13.0063	25.5629	25.9627	26.0127	26.0627	26.4626	39.0206	51.5787	51.9786	
	Y	0	-0.0012	-0.0116	-0.3374	-0.6631	-0.6735	-0.6748	-0.6758	-0.6841	-0.9447	-1.2053	-1.2136	
	Z	22.2128	22.2135	22.2192	22.39	22.5455	22.5502	22.5508	22.5514	22.556	22.6942	22.8171	22.8207	
L3	X	-0.1526	-0.1027	0.2972	12.8671	25.438	25.8379	25.8879	25.9378	26.3377	38.9093	51.4816	51.8815	
	Y	-5.3478	-5.3492	-5.3606	-5.7024	-6.0128	-6.0221	-6.0233	-6.0245	-6.0338	-6.3104	-6.5556	-6.5628	
	Z	22.293	22.2938	22.2995	22.4705	22.6258	22.6305	22.631	22.6316	22.6363	22.7747	22.8974	22.901	
L4	X	-0.1812	-0.1312	0.2687	12.8412	25.4146	25.8145	25.8645	25.9145	26.3144	38.8885	51.4634	51.8634	
	Y	-6.3474	-6.3488	-6.3602	-6.7021	-7.0125	-7.0219	-7.023	-7.0242	-7.0335	-7.3102	-7.5554	-7.5627	
	Z	22.208	22.2088	22.2145	22.3855	22.5408	22.5455	22.546	22.5466	22.5513	22.6897	22.8124	22.816	

NOTE:



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	P4-GE2	P4-S2	C32
0 + 983.0500	0 + 983.4500	0 + 996.0000	1 + 8.5500	1 + 8.9500	1 + 9.0000	1 + 9.0500	1 + 9.4500	1 + 22.0000	1 + 34.5500	1 + 34.9500	1 + 35.0000	1 + 35.0500	1 + 35.4500	1 + 48.0000	1 + 60.5500	1 + 60.9500	1 + 61.0000	1 + 61.0500	1 + 61.4500	1 + 74.0000
26.2109	26.6108	39.152	51.694	52.0939	52.1439	52.1939	52.5938	65.1363	77.6794	78.0793	78.1293	78.1793	78.5793	91.1227	103.6665	104.0665	104.1165	104.1665	104.5665	117.1100
5.6723	5.663	5.3871	5.1425	5.1352	5.1343	5.1334	5.1262	4.9153	4.7358	4.7306	4.7299	4.7293	4.7241	4.5783	4.4638	4.4607	4.4603	4.4599	4.4568	4.3700
22.3561	22.3608	22.4992	22.6218	22.6255	22.6259	22.6264	22.63	22.7358	22.8258	22.8284	22.8287	22.8291	22.8317	22.9048	22.9622	22.9638	22.9639	22.9641	22.9657	23.0060
26.1876	26.5875	39.1313	51.6758	52.0758	52.1257	52.1757	52.5757	65.1207	77.6664	78.0663	78.1163	78.1663	78.5663	91.1123	103.6587	104.0587	104.1087	104.1587	104.5587	117.1050
4.6726	4.6633	4.3873	4.1427	4.1354	4.1345	4.1336	4.1263	3.9154	3.7359	3.7306	3.73	3.7293	3.7242	3.5783	3.4639	3.4607	3.4603	3.4599	3.4568	3.3760
22.4711	22.4758	22.6142	22.7368	22.7405	22.7409	22.7414	22.745	22.8508	22.9408	22.9434	22.9437	22.9441	22.9467	23.0198	23.0772	23.0788	23.0789	23.0791	23.0807	23.1210
26.1596	26.5595	39.1064	51.654	52.054	52.104	52.154	52.5539	65.1021	77.6508	78.0508	78.1008	78.1508	78.5507	91.0998	103.6494	104.0494	104.0994	104.1494	104.5493	117.0990
3.4729	3.4636	3.1875	2.9429	2.9356	2.9347	2.9338	2.9265	2.7155	2.536	2.5307	2.5301	2.5294	2.5243	2.3784	2.2639	2.2608	2.2604	2.26	2.2569	2.1760
22.4891	22.4938	22.6322	22.7548	22.7585	22.7589	22.7594	22.763	22.8688	22.9588	22.9614	22.9618	22.9621	22.9647	23.0378	23.0952	23.0968	23.0969	23.0971	23.0987	23.1390
26.0627	26.4626	39.0206	51.5787	51.9786	52.0286	52.0786	52.4786	65.0377	77.597	77.997	78.047	78.097	78.4969	91.057	103.6171	104.0171	104.0671	104.1171	104.5171	117.0770
-0.6758	-0.6841	-0.9447	-1.2053	-1.2136	-1.2146	-1.2154	-1.2216	-1.4171	-1.6126	-1.6188	-1.6196	-1.6201	-1.6242	-1.7545	-1.8848	-1.889	-1.8895	-1.8898	-1.8918	-1.9500
22.5514	22.556	22.6942	22.8171	22.8207	22.8212	22.8217	22.8253	22.9308	23.0211	23.0237	23.024	23.0243	23.0269	23.0998	23.1574	23.159	23.1592	23.1594	23.1609	23.2010
25.9378	26.3377	38.9093	51.4816	51.8816	51.9315	51.9815	52.3814	64.9542	77.5276	77.9276	77.9776	78.0276	78.4276	91.0013	103.5755	103.9754	104.0254	104.0754	104.4754	117.0498
-6.0245	-6.0338	-6.3104	-6.5556	-6.5628	-6.5638	-6.5647	-6.5719	-6.7833	-6.9633	-6.9685	-6.9691	-6.9698	-6.9749	-7.1211	-7.2358	-7.239	-7.2393	-7.2397	-7.2428	-7.3238
22.6316	22.6363	22.7747	22.8974	22.901	22.9014	22.9019	22.9055	23.0113	23.1013	23.1039	23.1043	23.1046	23.1072	23.1803	23.2377	23.2393	23.2395	23.2396	23.2412	23.2810
25.9145	26.3144	38.8885	51.4634	51.8634	51.9133	51.9633	52.3633	64.9387	77.5147	77.9146	77.9646	78.0146	78.4146	90.9909	103.5677	103.9677	104.0177	104.0677	104.4676	117.0446
-7.0242	-7.0335	-7.3102	-7.5554	-7.5627	-7.5636	-7.5645	-7.5717	-7.7832	-7.9632	-7.9684	-7.969	-7.9697	-7.9748	-8.1211	-8.2358	-8.2389	-8.2393	-8.2397	-8.2428	-8.3238
22.5466	22.5513	22.6897	22.8124	22.816	22.8164	22.8169	22.8205	22.9263	23.0163	23.0189	23.0192	23.0196	23.0222	23.0953	23.1527	23.1543	23.1544	23.1546	23.1562	23.1960

FRAMING PLAN AT RA/10 SAHAM (B-LINE)

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	P7-S1	P7-GE1	P7	P7-GE2
1 + 60.9500	1 + 61.0000	1 + 61.0500	1 + 61.4500	1 + 74.0000	1 + 86.5500	1 + 86.9500	1 + 87.0000	1 + 87.0500	1 + 87.4500	1 + 100.0000	1 + 112.5500	1 + 112.9500	1 + 113.0000	1 + 113.0500	1 + 113.4500	1 + 126.0000	1 + 138.5500	1 + 138.9500	1 + 139.0000	1 + 139.0500
104.0665	104.1165	104.1665	104.5665	117.1104	129.6547	130.0547	130.1047	130.1547	130.5547	143.0989	155.6432	156.0432	156.0932	156.1432	156.5432	169.0874	181.6315	182.0315	182.0815	182.1315
4.4607	4.4603	4.4599	4.4568	4.376	4.3267	4.3256	4.3255	4.3254	4.3243	4.3086	4.3243	4.3254	4.3255	4.3256	4.3267	4.376	4.4568	4.4599	4.4603	4.4607
22.9638	22.9639	22.9641	22.9657	23.0062	23.031	23.0315	23.0315	23.0316	23.0321	23.04	23.0321	23.0316	23.0315	23.0315	23.031	23.0062	22.9657	22.9641	22.9639	22.9638
104.0587	104.1087	104.1587	104.5587	117.1053	129.6521	130.0521	130.1021	130.1521	130.5521	143.0989	155.6458	156.0458	156.0958	156.1458	156.5458	169.0926	181.6392	182.0392	182.0892	182.1392
3.4607	3.4603	3.4599	3.4568	3.3761	3.3267	3.3256	3.3255	3.3254	3.3243	3.3086	3.3243	3.3254	3.3255	3.3256	3.3267	3.3761	3.4568	3.4599	3.4603	3.4607
23.0788	23.0789	23.0791	23.0807	23.1212	23.146	23.1465	23.1465	23.1466	23.1471	23.155	23.1471	23.1466	23.1465	23.1465	23.146	23.1212	23.0807	23.0791	23.0789	23.0788
104.0494	104.0994	104.1494	104.5493	117.099	129.649	130.049	130.099	130.149	130.549	143.0989	155.6489	156.0489	156.0989	156.1489	156.5489	169.0988	181.6486	182.0486	182.0986	182.1486
2.2608	2.2604	2.26	2.2569	2.1761	2.1267	2.1256	2.1255	2.1254	2.1244	2.1086	2.1243	2.1254	2.1255	2.1256	2.1267	2.1761	2.2569	2.26	2.2604	2.2608
23.0968	23.0969	23.0971	23.0987	23.1392	23.164	23.1645	23.1645	23.1646	23.1651	23.173	23.1651	23.1646	23.1646	23.1645	23.164	23.1392	23.0987	23.0971	23.097	23.0968
104.0171	104.0671	104.1171	104.5171	117.0776	129.6382	130.0382	130.0882	130.1382	130.5382	143.0989	155.6597	156.0597	156.1097	156.1597	156.5597	169.1202	181.6809	182.0809	182.1309	182.1809
-1.889	-1.8895	-1.8898	-1.8918	-1.957	-2.0222	-2.0242	-2.0245	-2.0245	-2.0245	-2.0245	-2.0245	-2.0245	-2.0245	-2.0245	-2.0242	-1.957	-1.8919	-1.8898	-1.8895	-1.889
23.159	23.1592	23.1594	23.1609	23.2012	23.2262	23.2267	23.2268	23.2269	23.2274	23.235	23.2274	23.2269	23.2268	23.2267	23.2262	23.2012	23.1609	23.1594	23.1592	23.159
103.9754	104.0254	104.0754	104.4754	117.0498	129.6243	130.0243	130.0743	130.1243	130.5243	143.0989	155.6736	156.0736	156.1236	156.1736	156.5736	169.1481	181.7225	182.1225	182.1725	182.2225
-7.239	-7.2393	-7.2397	-7.2428	-7.3238	-7.3733	-7.3743	-7.3745	-7.3746	-7.3756	-7.3914	-7.3756	-7.3746	-7.3745	-7.3743	-7.3733	-7.3238	-7.2428	-7.2397	-7.2394	-7.239
23.2393	23.2395	23.2396	23.2412	23.2817	23.3065	23.307	23.3071	23.3071	23.3076	23.3155	23.3076	23.3071	23.3071	23.307	23.3065	23.2817	23.2412	23.2396	23.2394	23.2393
103.9677	104.0177	104.0677	104.4676	117.0446	129.6217	130.0217	130.0717	130.1217	130.5217	143.0989	155.6762	156.0762	156.1262	156.1762	156.5762	169.1533	181.7303	182.1303	182.1803	182.2303
-8.2389	-8.2393	-8.2397	-8.2428	-8.3238	-8.3733	-8.3743	-8.3745	-8.3746	-8.3756	-8.3914	-8.3756	-8.3746	-8.3745	-8.3743	-8.3733	-8.3238	-8.2428	-8.2397	-8.2393	-8.2389
23.1543	23.1544	23.1546	23.1562	23.1967	23.2215	23.222	23.222	23.2221	23.2226	23.2305	23.2226	23.2221	23.222	23.222	23.2215	23.1967	23.1562	23.1546	23.1544	23.1543

	C46	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-G
00	1 + 128.0000	1 + 138.5500	1 + 138.9500	1 + 139.0000	1 + 139.0500	1 + 139.4500	1 + 152.0000	1 + 164.5500	1 + 164.9500	1 + 165.0000	1 + 165.0500	1 + 165.4500	1 + 178.0000	1 + 190.5500	1 + 190.9500	1 + 191.0000	1 + 191.0500	1 + 191.4500	1 + 204.0000	1 + 216.5500	1 + 218.0000
2	169.0874	181.6315	182.0315	182.0815	182.1315	182.5314	195.0752	207.6187	208.0186	208.0686	208.1186	208.5186	221.0615	233.6041	234.004	234.054	234.104	234.504	247.0458	259.5871	259.9871
7	4.376	4.4568	4.4599	4.4603	4.4607	4.4638	4.5782	4.7241	4.7292	4.7299	4.7305	4.7357	4.9152	5.1261	5.1334	5.1343	5.1352	5.1425	5.387	5.663	5.663
1	23.0062	22.9657	22.9641	22.9639	22.9638	22.9622	22.9048	22.8317	22.8291	22.8287	22.8284	22.8258	22.7358	22.63	22.6264	22.626	22.6255	22.6218	22.4992	22.3608	22.3608
8	169.0926	181.6392	182.0392	182.0892	182.1392	182.5392	195.0855	207.6316	208.0316	208.0816	208.1316	208.5315	221.0771	233.6223	234.0222	234.0722	234.1222	234.5221	247.0668	259.6105	260.0105
7	3.3761	3.4568	3.4599	3.4603	3.4607	3.4638	3.5783	3.7242	3.7293	3.73	3.7306	3.7358	3.9154	4.1263	4.1336	4.1345	4.1354	4.1426	4.3873	4.6633	4.6633
6	23.1212	23.0807	23.0791	23.0789	23.0789	23.0772	23.0198	22.9467	22.9441	22.9437	22.9434	22.9408	22.8508	22.745	22.7414	22.741	22.7405	22.7368	22.6142	22.4758	22.4758
9	169.0988	181.6486	182.0486	182.0986	182.1486	182.5486	195.098	207.6472	208.0471	208.0971	208.1471	208.5471	221.0958	233.644	234.044	234.094	234.144	234.5439	247.0915	259.6385	260.0385
7	2.1761	2.2569	2.26	2.2604	2.2607	2.2639	2.3784	2.5243	2.5294	2.5301	2.5307	2.5359	2.7155	2.9265	2.9337	2.9347	2.9356	2.9428	3.1875	3.4636	3.4636
4	23.1392	23.0987	23.0971	23.097	23.0968	23.0952	23.0378	22.9647	22.9621	22.9617	22.9614	22.9588	22.8688	22.763	22.7594	22.759	22.7585	22.7548	22.6322	22.4938	22.4938
7	169.1202	181.6809	182.0809	182.1309	182.1809	182.5808	195.1409	207.701	208.101	208.151	208.2009	208.6009	221.1601	233.7194	234.1193	234.1693	234.2193	234.6192	247.1772	259.7353	260.1353
2	-1.957	-1.8919	-1.8898	-1.8895	-1.889	-1.8848	-1.7545	-1.6242	-1.6201	-1.6196	-1.6188	-1.6126	-1.4171	-1.2217	-1.2154	-1.2147	-1.2136	-1.2053	-0.9447	-0.6841	-0.6841
2	23.2012	23.1609	23.1594	23.1592	23.159	23.1574	23.0998	23.0269	23.0243	23.024	23.0237	23.0211	22.9308	22.8253	22.8217	22.8212	22.8207	22.8171	22.6942	22.556	22.556
6	169.1481	181.7225	182.1225	182.1725	182.2225	182.6225	195.1965	207.7704	208.1703	208.2203	208.2703	208.6703	221.2436	233.8165	234.2164	234.2664	234.3164	234.7164	247.2885	259.8602	260.2602
3	-7.3238	-7.2428	-7.2397	-7.2394	-7.239	-7.2358	-7.1211	-6.9749	-6.9698	-6.9691	-6.9685	-6.9633	-6.7833	-6.5719	-6.5647	-6.5638	-6.5629	-6.5556	-6.3104	-6.0338	-6.0338
5	23.2817	23.2412	23.2396	23.2394	23.2393	23.2377	23.1803	23.1072	23.1046	23.1042	23.1039	23.1013	23.0113	22.9055	22.9019	22.9015	22.901	22.8974	22.7747	22.6363	22.6363
2	169.1533	181.7303	182.1303	182.1803	182.2303	182.6303	195.2069	207.7833	208.1833	208.2333	208.2833	208.6833	221.2592	233.8347	234.2346	234.2846	234.3346	234.7345	247.3093	259.8835	260.2835
3	-8.3238	-8.2428	-8.2397	-8.2393	-8.2389	-8.2358	-8.1211	-7.9749	-7.9697	-7.969	-7.9684	-7.9632	-7.7832	-7.5718	-7.5645	-7.5636	-7.5627	-7.5554	-7.3102	-7.0335	-7.0335
5	23.1967	23.1562	23.1546	23.1544	23.1543	23.1527	23.0953	23.0222	23.0196	23.0192	23.0189	23.0163	22.9263	22.8205	22.8169	22.8164	22.816	22.8124	22.6897	22.5513	22.5513

	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
0000	1 + 190.5500	1 + 190.9500	1 + 191.0000	1 + 191.0500	1 + 191.4500	1 + 204.0000	1 + 216.5500	1 + 216.9500	1 + 217.0000	1 + 217.0500	1 + 217.4500	1 + 230.0000	1 + 242.5500	1 + 242.9500	1 + 243.0000
0615	233.6041	234.004	234.054	234.104	234.504	247.0458	259.5871	259.987	260.037	260.087	260.4869	273.0273	285.567	285.9668	286.0168
09152	5.1261	5.1334	5.1343	5.1352	5.1425	5.387	5.663	5.6723	5.6735	5.6746	5.684	5.9936	6.3346	6.346	6.3474
07358	22.63	22.6264	22.626	22.6255	22.6218	22.4992	22.3608	22.3561	22.3555	22.355	22.3503	22.195	22.024	22.0183	22.0175
0771	233.6223	234.0222	234.0722	234.1222	234.5221	247.0668	259.6105	260.0103	260.0603	260.1103	260.5102	273.0532	285.5955	285.9954	286.0453
09154	4.1263	4.1336	4.1345	4.1354	4.1426	4.3873	4.6633	4.6726	4.6737	4.6749	4.6843	4.9939	5.335	5.3464	5.3478
08508	22.745	22.7414	22.741	22.7405	22.7368	22.6142	22.4758	22.4711	22.4705	22.47	22.4653	22.31	22.139	22.1333	22.1326
0958	233.644	234.044	234.094	234.144	234.5439	247.0915	259.6385	260.0384	260.0883	260.1383	260.5382	273.0843	285.6297	286.0296	286.0796
07155	2.9265	2.9337	2.9347	2.9356	2.9428	3.1875	3.4638	3.4729	3.4741	3.4752	3.4846	3.7943	4.1355	4.1469	4.1483
0888	22.763	22.7594	22.759	22.7585	22.7548	22.6322	22.4938	22.4891	22.4886	22.488	22.4833	22.328	22.157	22.1513	22.1506
01601	233.7194	234.1193	234.1693	234.2193	234.6192	247.1772	259.7353	260.1352	260.1852	260.2352	260.635	273.1915	285.7481	286.148	286.1979
04171	-1.2217	-1.2154	-1.2147	-1.2136	-1.2053	-0.9447	-0.6841	-0.6758	-0.6748	-0.6735	-0.6631	-0.3374	-0.0117	-0.0013	0
09308	22.8253	22.8217	22.8212	22.8207	22.8171	22.6942	22.556	22.5514	22.5508	22.5502	22.5455	22.39	22.2192	22.2135	22.2128
02438	233.8165	234.2164	234.2664	234.3164	234.7164	247.2885	259.8602	260.2601	260.3101	260.3601	260.7599	273.3307	285.9007	286.3006	286.3506
07833	-6.5719	-6.5647	-6.5638	-6.5629	-6.5556	-6.3104	-6.0338	-6.0245	-6.0233	-6.0222	-6.0128	-5.7025	-5.3608	-5.3492	-5.3478
01113	22.9055	22.9019	22.9015	22.901	22.8974	22.7747	22.6363	22.6316	22.6311	22.6305	22.6258	22.4705	22.2995	22.2938	22.2931
02592	233.8347	234.2346	234.2846	234.3346	234.7345	247.3093	259.8835	260.2834	260.3334	260.3834	260.7833	273.3566	285.9293	286.3291	286.3791
07832	-7.5718	-7.5645	-7.5636	-7.5627	-7.5554	-7.3102	-7.0335	-7.0242	-7.0231	-7.0219	-7.0125	-6.7021	-6.3602	-6.3488	-6.3474
09263	22.8205	22.8169	22.8164	22.816	22.8124	22.6897	22.5513	22.5466	22.546	22.5455	22.5408	22.3855	22.2145	22.2088	22.208

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

CLIENT: MINISTRY OF C  
PROJECT: B/D ON ROAD  
TITLE CO-ORDINATE  
DATE

	P10-S1	P10-GE1	P10	P10-GE2	P10-S2	G74	A2-S1	A2-GE1	A2
000	1 + 216.5500	1 + 216.9500	1 + 217.0000	1 + 217.0500	1 + 217.4500	1 + 230.0000	1 + 242.5500	1 + 242.9500	1 + 243.0000
358	259.5871	259.987	260.037	260.087	260.4869	273.0273	285.567	285.9668	286.0168
387	5.863	5.6723	5.6735	5.6748	5.684	5.9936	6.3348	6.348	6.3474
392	22.3608	22.3561	22.3555	22.355	22.3503	22.195	22.024	22.0183	22.0175
366	259.6105	260.0103	260.0603	260.1103	260.5102	273.0532	285.5955	285.9954	286.0453
373	4.6633	4.6726	4.6737	4.6749	4.6843	4.9939	5.335	5.3464	5.3478
342	22.4758	22.4711	22.4705	22.47	22.4653	22.31	22.139	22.1333	22.1326
315	259.6385	260.0384	260.0883	260.1383	260.5382	273.0843	285.6297	286.0296	286.0796
375	3.4636	3.4729	3.4741	3.4752	3.4846	3.7943	4.1355	4.1469	4.1483
322	22.4938	22.4891	22.4886	22.488	22.4833	22.328	22.157	22.1513	22.1506
372	259.7353	260.1352	260.1852	260.2352	260.635	273.1915	285.7481	286.148	286.1979
347	-0.6841	-0.6758	-0.6748	-0.6735	-0.6631	-0.3374	-0.0117	-0.0013	0
392	22.556	22.5514	22.5508	22.5502	22.5455	22.39	22.2192	22.2135	22.2128
385	259.8602	260.2601	260.3101	260.3601	260.7599	273.3307	285.9007	286.3006	286.3506
3104	-6.0338	-6.0245	-6.0233	-6.0222	-6.0128	-5.7025	-5.3606	-5.3492	-5.3478
3747	22.6363	22.6316	22.6311	22.6305	22.6258	22.4705	22.2995	22.2938	22.2931
3093	259.8835	260.2834	260.3334	260.3834	260.7833	273.3566	285.9293	286.3291	286.3791
3102	-7.0335	-7.0242	-7.0231	-7.0219	-7.0125	-6.7021	-6.3602	-6.3488	-6.3474
3897	22.5513	22.5466	22.546	22.5455	22.5408	22.3855	22.2145	22.2088	22.208

JAPAN INTERNATIONAL COOPERATION AGENCY  
(JICA)

JICA STUDY TEAM  
YACIFIC CONSULTANTS INTERNATIONAL  
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

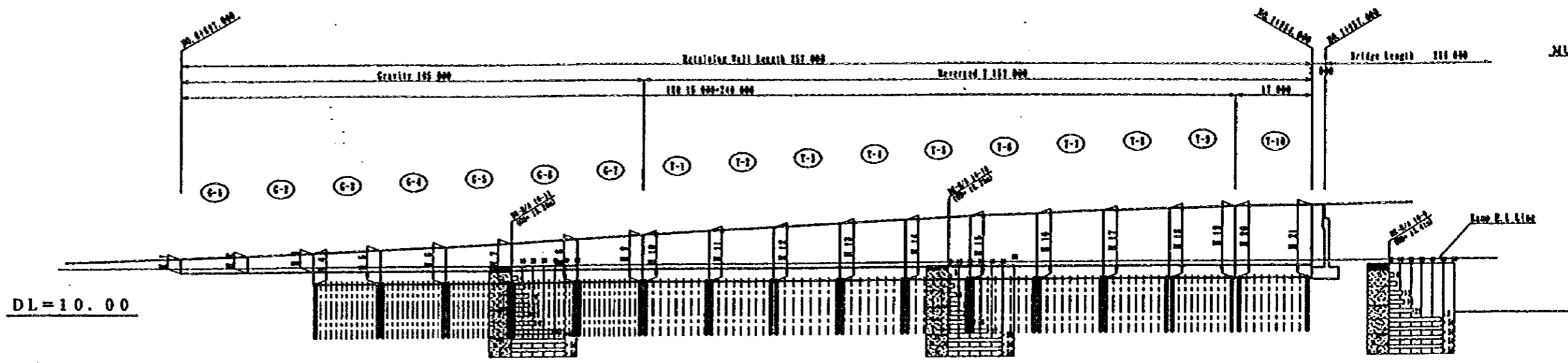
PROJECT: B/S ON ROAD DEVELOPMENT PROJECT ON BATHAN HIGHWAY

TITLE CO-ORDINATE LIST RA/10 AT B-LINE

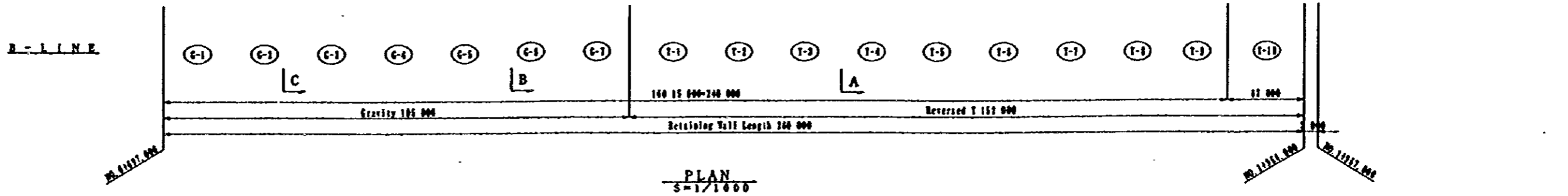
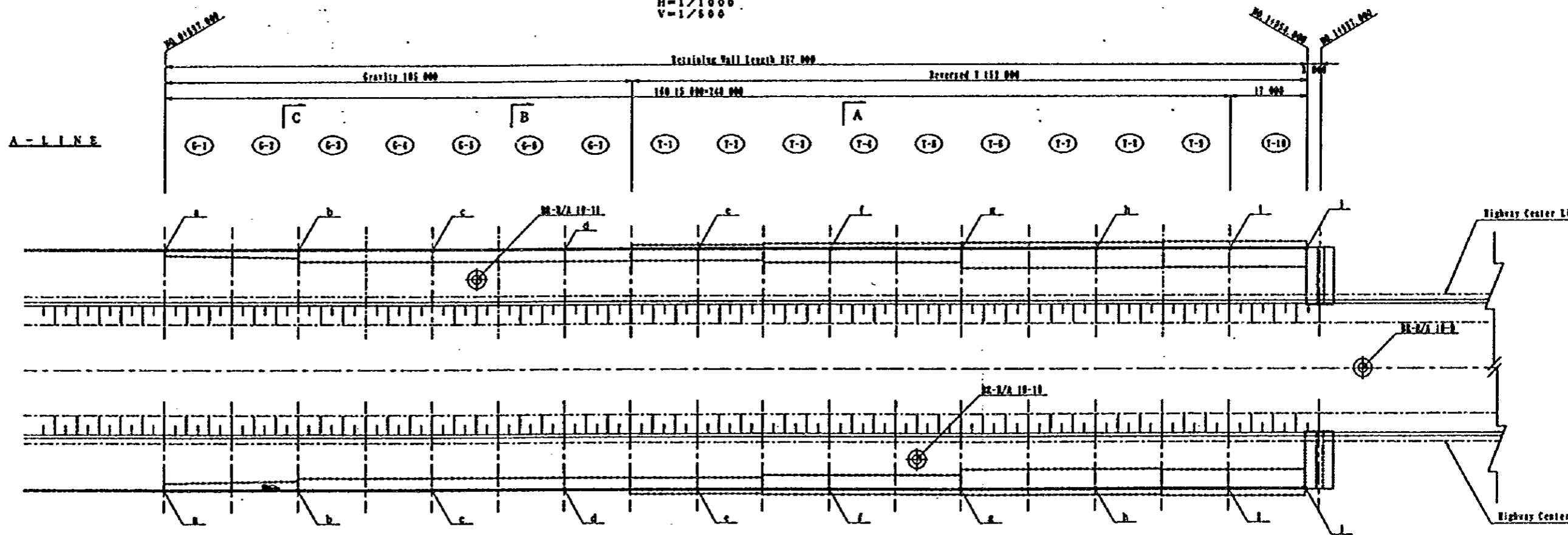
DATE

FIG. NO.

B-6

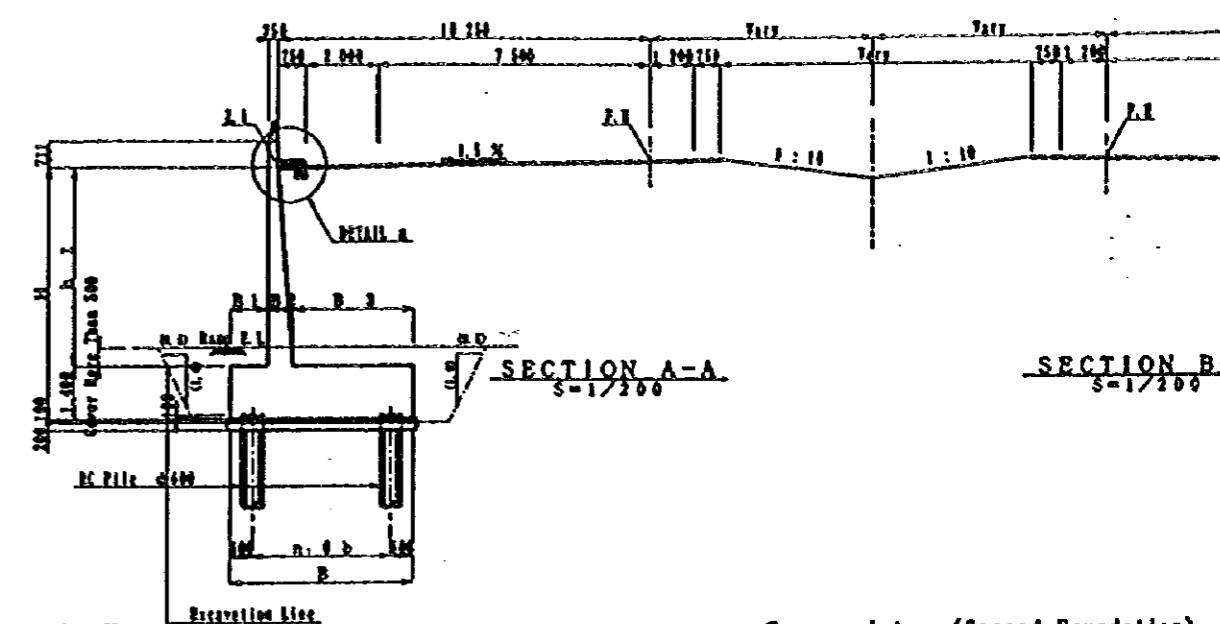
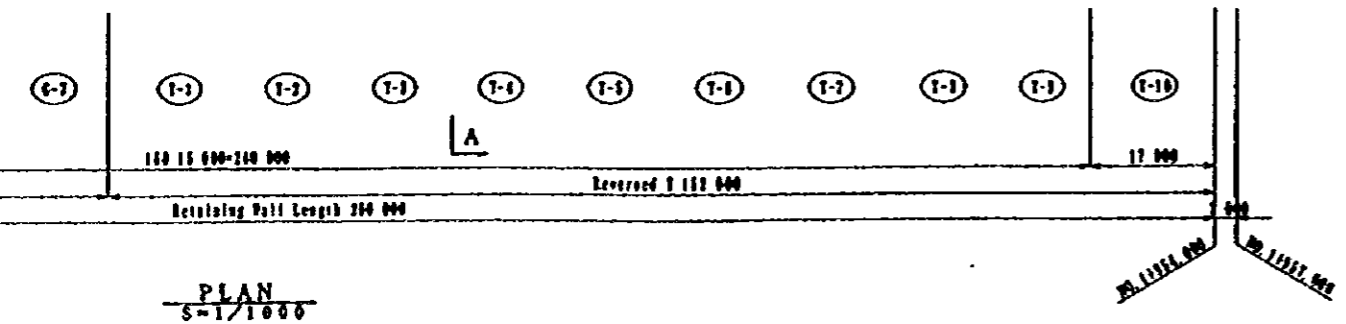
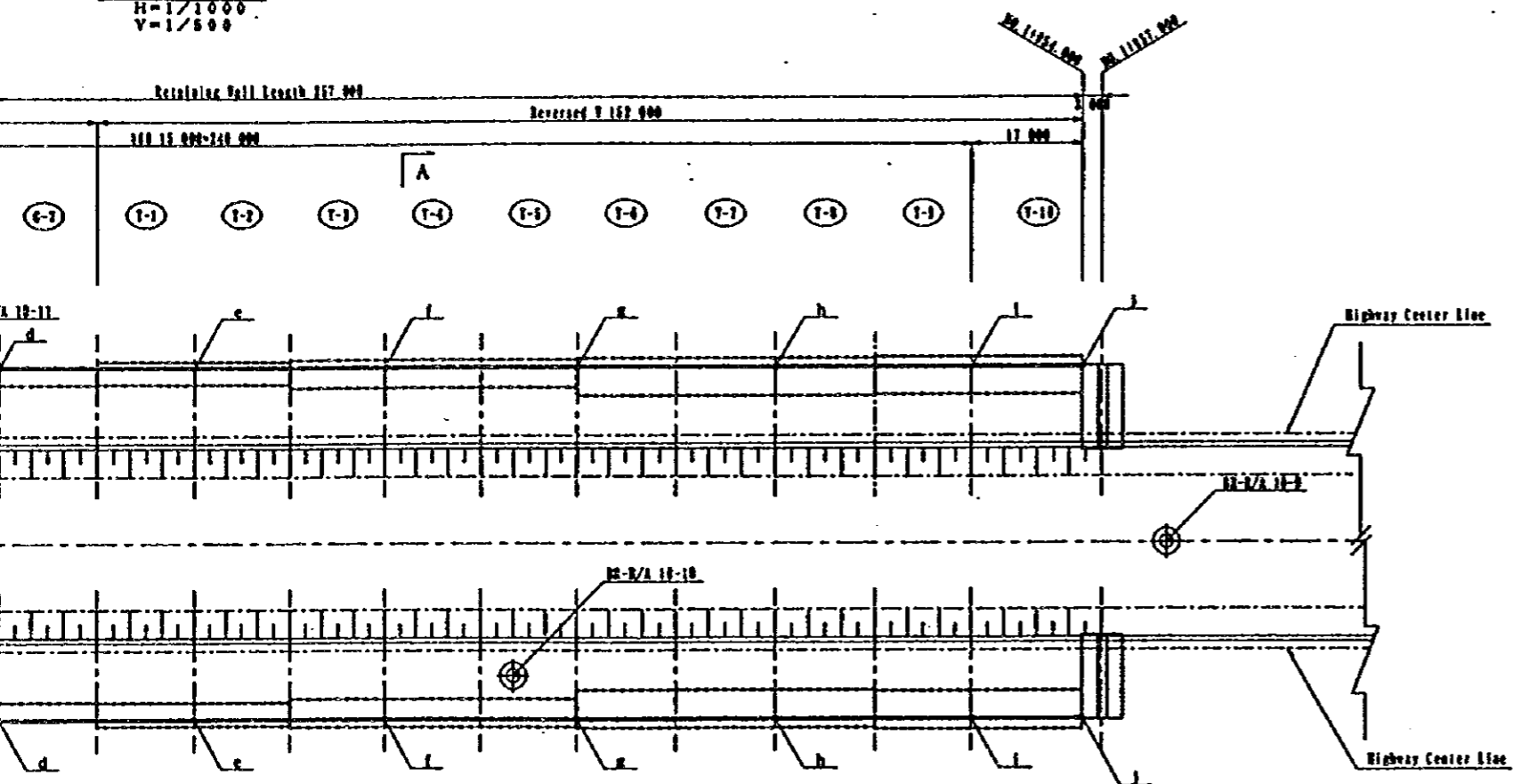
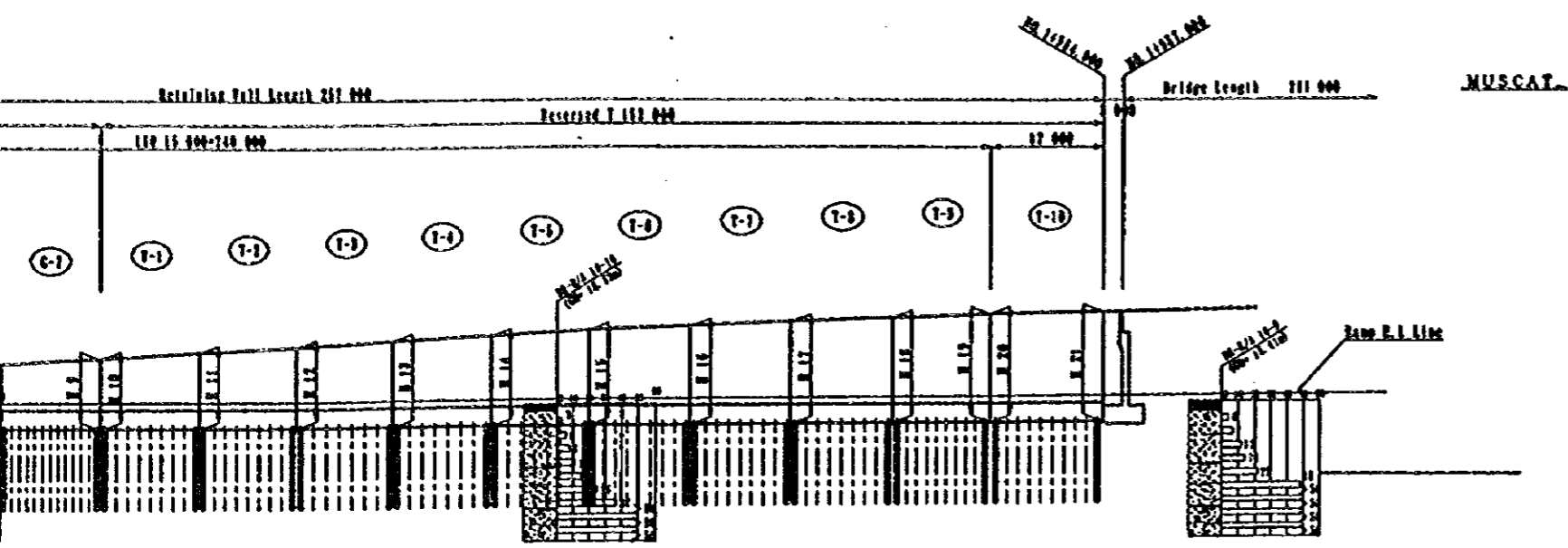


**SIDE VIEW**  
 H=1/1000  
 V=1/500



**PLAN**  
 S=1/1000

NOTES:



**Reversed T**

MARK TYPE	H	h 1	B	B 1	B 2	B 3
A						
T-1	11-5 070	3 670	3 000	800	529	1 671
T-2	11-5 508	4 108			663	1 637
T-3	11-5 912	4 512			593	1 607
T-4	12-6 316	4 916	3 500	1 000	613	1 887
T-5	14-6 673	5 273			645	1 855
T-6	15-7 031	5 631			684	1 816
T-7	16-7 344	5 944	4 500	1 200	702	1 798
T-8	17-7 657	6 257			719	2 581
T-9	18-7 925	6 525			745	2 555
T-10	19-8 123	6 723	5 000	1 500	771	2 529
B						
T-1	11-5 285	3 885	3 000	800	794	2 506
T-2	11-5 721	4 321			825	2 675
T-3	12-6 122	4 722			831	2 669
T-4	13-6 622	5 222	3 500	1 000	854	2 646
T-5	14-6 878	5 478			546	1 664
T-6	15-7 234	5 834			578	1 622
T-7	16-7 545	6 145	4 500	1 200	597	1 903
T-8	17-7 857	6 457			630	1 870
T-9	18-8 123	6 723			662	1 838
T-10	19-8 192	6 792	5 000	1 500	690	1 810
L						
T-1	11-5 285	3 885	3 000	800	706	2 594
T-2	11-5 721	4 321			736	2 564
T-3	12-6 122	4 722			762	2 538
T-4	13-6 622	5 222	3 500	1 000	788	2 512
T-5	14-6 878	5 478			802	2 198
T-6	15-7 234	5 834			824	2 146
T-7	16-7 545	6 145	4 500	1 200	831	2 169
T-8	17-7 857	6 457			870	2 630
T-9	18-8 123	6 723				
T-10	19-8 192	6 792	5 000	1 500		
E						
T-1	11-5 285	3 885	3 000	800		
T-2	11-5 721	4 321				
T-3	12-6 122	4 722				
T-4	13-6 622	5 222	3 500	1 000		
T-5	14-6 878	5 478				
T-6	15-7 234	5 834				
T-7	16-7 545	6 145	4 500	1 200		
T-8	17-7 857	6 457				
T-9	18-8 123	6 723				
T-10	19-8 192	6 792	5 000	1 500		
Gravity	1 0 1 500	600	12 0 1 150	13	6 000	

**Gravity (Spread Foundation)**

MARK TYPE	H	B	U h
A			
C-1	11-1 374	1 074	1 500
T-1	11-1 652	1 241	
T-2	11-1 929	1 407	
B			
C-1	11-1 677	1 256	1 500
T-1	11-1 933	1 410	
T-2	11-2 189	1 563	

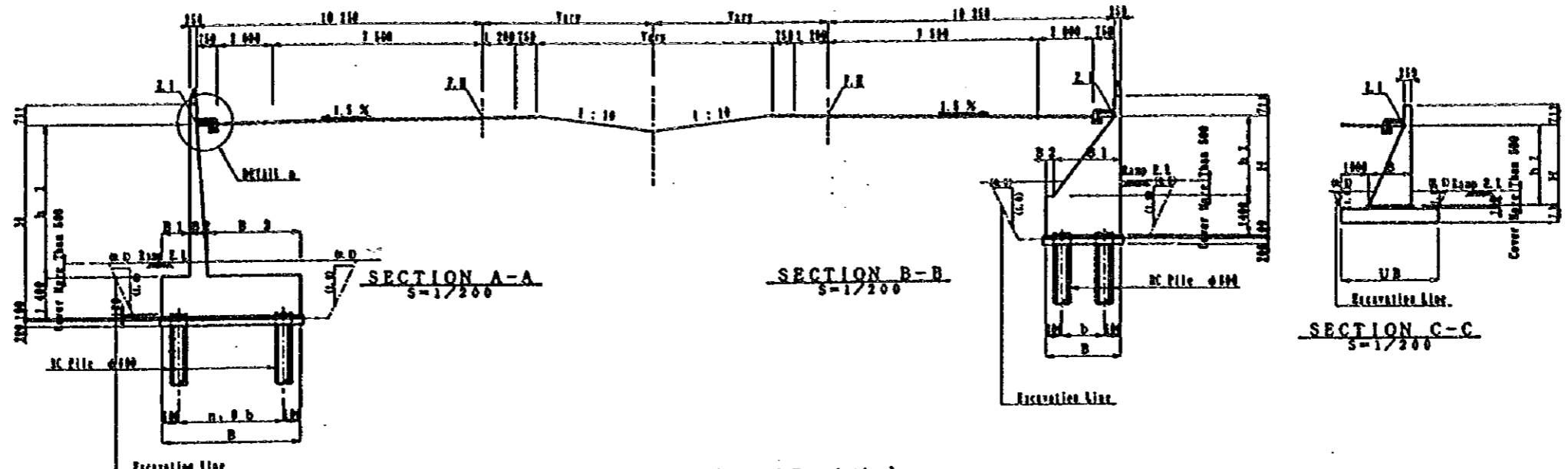
**Gravity (Pile Foundation)**

MARK TYPE	H	h 1	B
A			
C-1	11-3 279	1 879	2 800
C-4	11-3 616	2 216	
C-5	11-3 952	2 552	
C-6	11-4 347	2 947	
C-7	11-4 742	3 342	
C-8	11-5 180	3 780	
B			
C-1	11-3 639	2 139	2 800
C-4	11-3 861	2 461	
C-5	11-4 183	2 783	
C-6	11-4 571	3 171	
C-7	11-4 959	3 559	
C-8	11-5 395	3 995	

**List Of Foundation**

A - LINE						B - LINE			
Reversed T	n, 8 b	w.	n, 8 w.	n	L (m)	Reversed T	n, 8 b	w.	n, 8 w.
T 1 ~ T 2	1 0 1 800	675	7 0 1 950	16	6 000	T 1	1 0 1 800	675	7 0 1 950
T 3 ~ T 6	1 0 2 300	750	8 0 1 500	20		T 2 ~ T 4	1 0 2 300	750	8 0 1 500
T 6 ~ T 8	2 0 1 650	675	7 0 1 950	24		T 5 ~ T 7	2 0 1 650	675	7 0 1 950
T 9	2 0 1 900	750	8 0 1 500	30		T 8 ~ T 9	2 0 1 900	750	8 0 1 500
T 10	2 0 1 900	725	8 0 1 700	30		T 10	2 0 1 900	725	8 0 1 700
Gravity	1 0 1 500	600	12 0 1 150	13	6 000	Gravity	1 0 1 500	600	12 0 1 150

JAPAN INTERNATIONAL COOPERATION  
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FUTUYAMA CONSULTANTS INTERNATIONAL



Reversed T

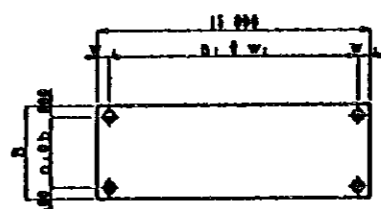
MARK TYPE	H	h 1	B	B 1	B 2	B 3	
A L I N E	T-1	11-6 070	3 670	3 000	800	529	1 671
	T-2	11-6 506	4 108			563	1 637
	T-3	11-6 912	4 512	3 500	1 000	593	1 607
	T-4	11-6 316	4 916			613	1 887
	T-5	11-6 673	5 273			645	1 855
	T-6	11-7 031	5 631	4 500	1 200	684	1 816
	T-7	11-7 344	5 944			702	1 798
	T-8	11-7 657	6 257			719	2 581
	T-9	11-7 925	6 525			745	2 555
	T-10	11-8 123	6 723	5 000	1 500	771	2 529
B L I N E	T-1	11-6 285	3 685	3 000	800	546	1 654
	T-2	11-6 721	4 321			578	1 622
	T-3	11-6 122	4 722	3 500	1 000	597	1 903
	T-4	11-6 522	5 122			630	1 870
	T-5	11-6 878	5 478			652	1 838
	T-6	11-7 234	5 834	4 500	1 200	690	1 810
	T-7	11-7 545	6 145			706	2 594
	T-8	11-7 857	6 457			736	2 564
	T-9	11-8 123	6 723	5 000	1 500	752	2 538
	T-10	11-8 461	7 061			788	2 512

Gravity (Spread Foundation)

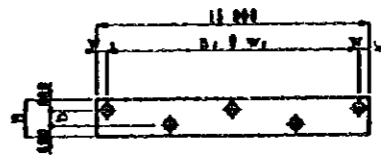
MARK TYPE	H	B	U h	U B
G-1	11-1 374	1 074	1 500	3 074
G-1	11-1 652	1 241		3 241
G-1	11-1 929	1 407		3 407
G-1	11-1 677	1 256	1 500	3 256
G-1	11-1 953	1 410		3 410
G-1	11-2 189	1 563		3 563

Gravity (Pile Foundation)

MARK TYPE	H	h 1	B	B 1	B 2	
A L I N E	G-1	11-3 279	1 879	2 800	1 319	1 481
	G-1	11-3 616	2 216		1 511	1 289
	G-1	11-3 952	2 552		1 702	1 098
	G-1	11-4 347	2 947		1 927	873
	G-1	11-4 742	3 342		2 152	648
B L I N E	G-1	11-3 539	2 139	2 800	1 467	1 333
	G-1	11-3 861	2 461		1 650	1 159
	G-1	11-4 183	2 783		1 834	966
	G-1	11-4 571	3 171		2 054	746
	G-1	11-4 959	3 559		2 275	526



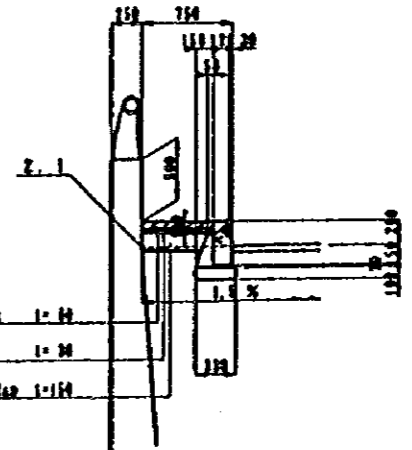
Reversed T



Gravity

List Of Foundation

Reversed T	A - LINE					L (m)	Reversed T	B - LINE					L (m)
	n. s.b	w.	n. l.w.	n				n. s.b	w.	n. l.w.	n		
T 1 ~ T 2	10 1 800	675	7 0 1 950	16		6 000	T 1	10 1 800	675	7 0 1 950	16	6 000	
T 3 ~ T 5	10 2 300	750	9 0 1 500	20			T 2 ~ T 4	10 2 300	750	9 0 1 500	20		
T 6 ~ T 8	20 1 650	675	7 0 1 950	24			T 5 ~ T 7	20 1 650	675	7 0 1 950	24		
T 9	20 1 900	750	9 0 1 500	30			T 8 ~ T 9	20 1 900	750	9 0 1 500	30		
T 10	20 1 900	725	9 0 1 700	30			T 10	20 1 900	725	9 0 1 700	30		
Gravity	10 1 500	600	12 0 1 150	13		6 000	Gravity	10 1 500	600	12 0 1 150	13	6 000	



DETAIL a

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-10, SAHAM GENERAL VIEW FOR WALL (I)-1  
 DATE : DTC NO. W-1



Point	a	b	c	d	e	f	g	h	i	j	
A L L I N E	N	+2670314.29156	+2670290.77738	+2670267.37564	+2670244.08718	+2670220.91284	+2670197.85346	+2670174.90988	+2670152.08292	+2670129.37340	+2670114.29938
	E	+ 487133.62645	+ 487152.25656	+ 487171.02770	+ 487189.93920	+ 487208.99038	+ 487228.18054	+ 487247.50899	+ 487266.97504	+ 487286.57798	+ 487299.72231
	Z	16.224	16.779	17.452	18.242	19.118	19.925	20.641	21.267	21.802	22.109
B I L L I N E	N	+2670292.32514	+2670268.81821	+2670245.42304	+2670222.14045	+2670198.97128	+2670175.91635	+2670152.97648	+2670130.15249	+2670107.44520	+2670092.37224
	E	+ 487115.24599	+ 487127.68776	+ 487146.46709	+ 487165.38582	+ 487184.44328	+ 487203.63679	+ 487222.97165	+ 487242.44119	+ 487262.04671	+ 487275.19226
	Z	16.527	17.039	17.683	18.459	19.331	20.132	20.844	21.467	21.999	22.305

NOTES:

JAPAN INTERNATIONAL COOPERATION AGENCY  
(JICA)

JICA STUDY TEAM  
PACIFIC CONSULTANTS INTERNATIONAL  
FLUYAMA CONSULTANTS INTERNATIONAL

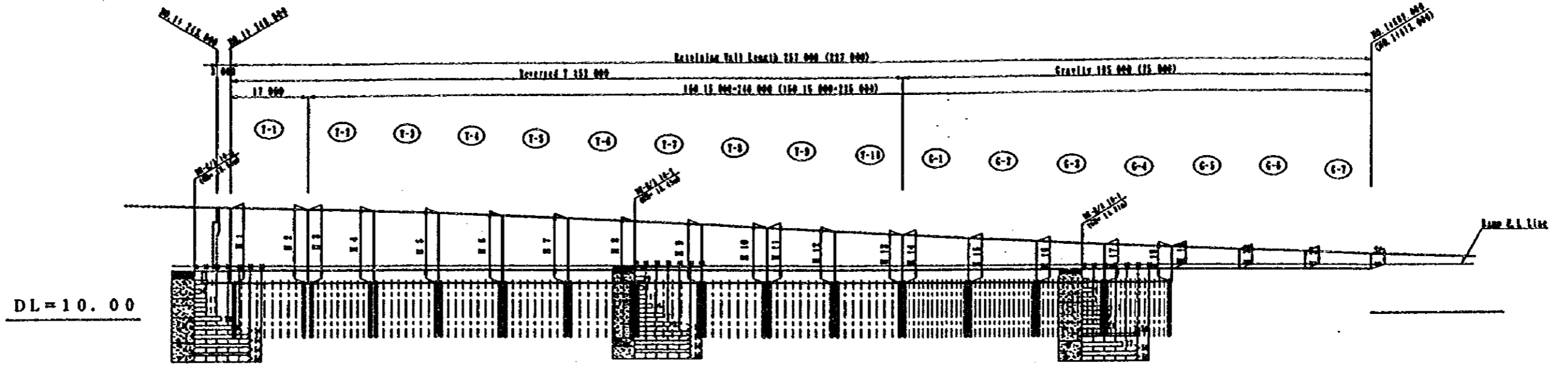
CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

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

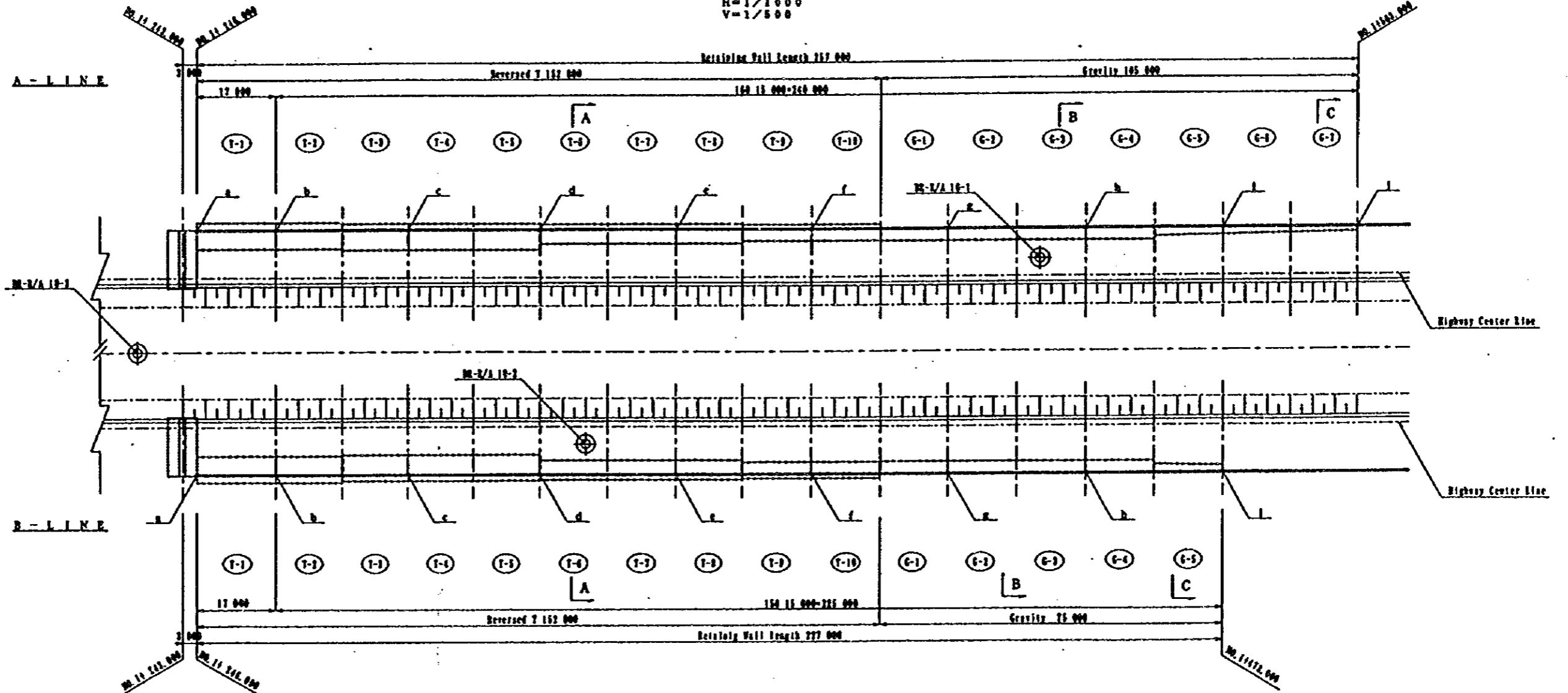
TITLE : R/A-10. SAHAN GENERAL VIEW FOR WALL (1)-2

DATE

DWG NO. W-2



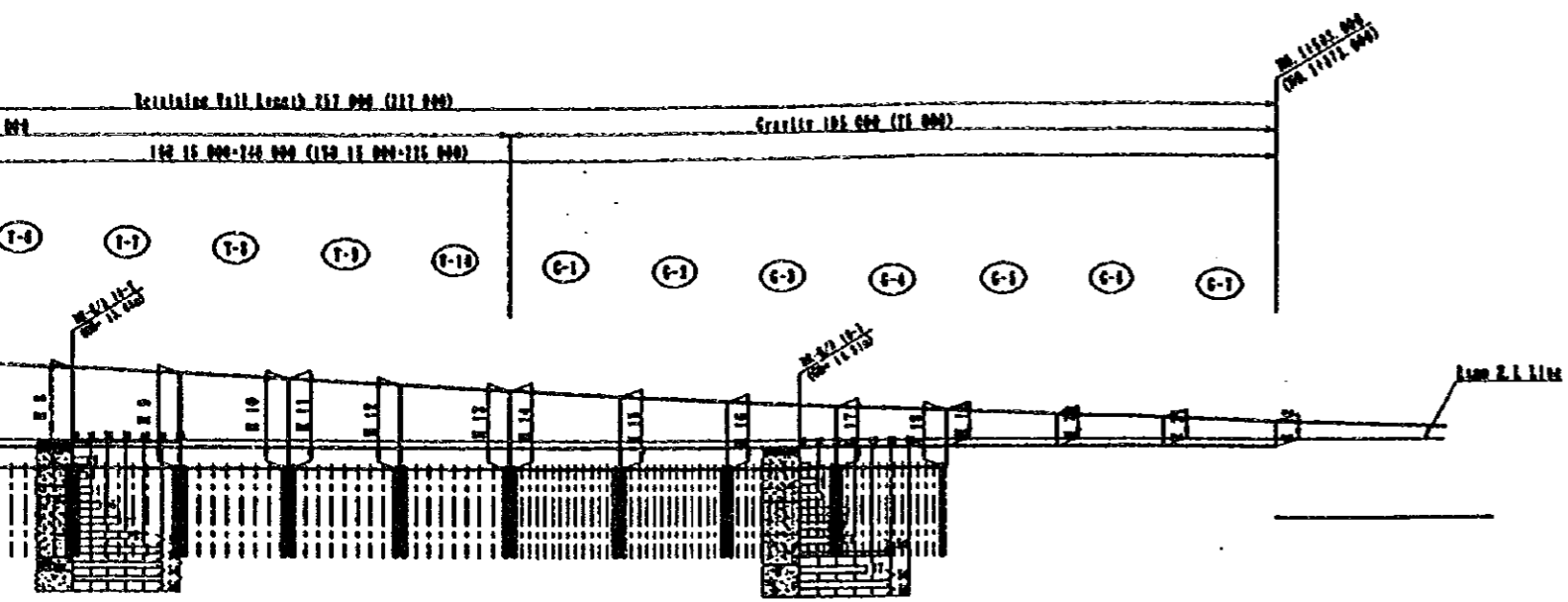
SIDE VIEW  
H=1/1000  
V=1/500



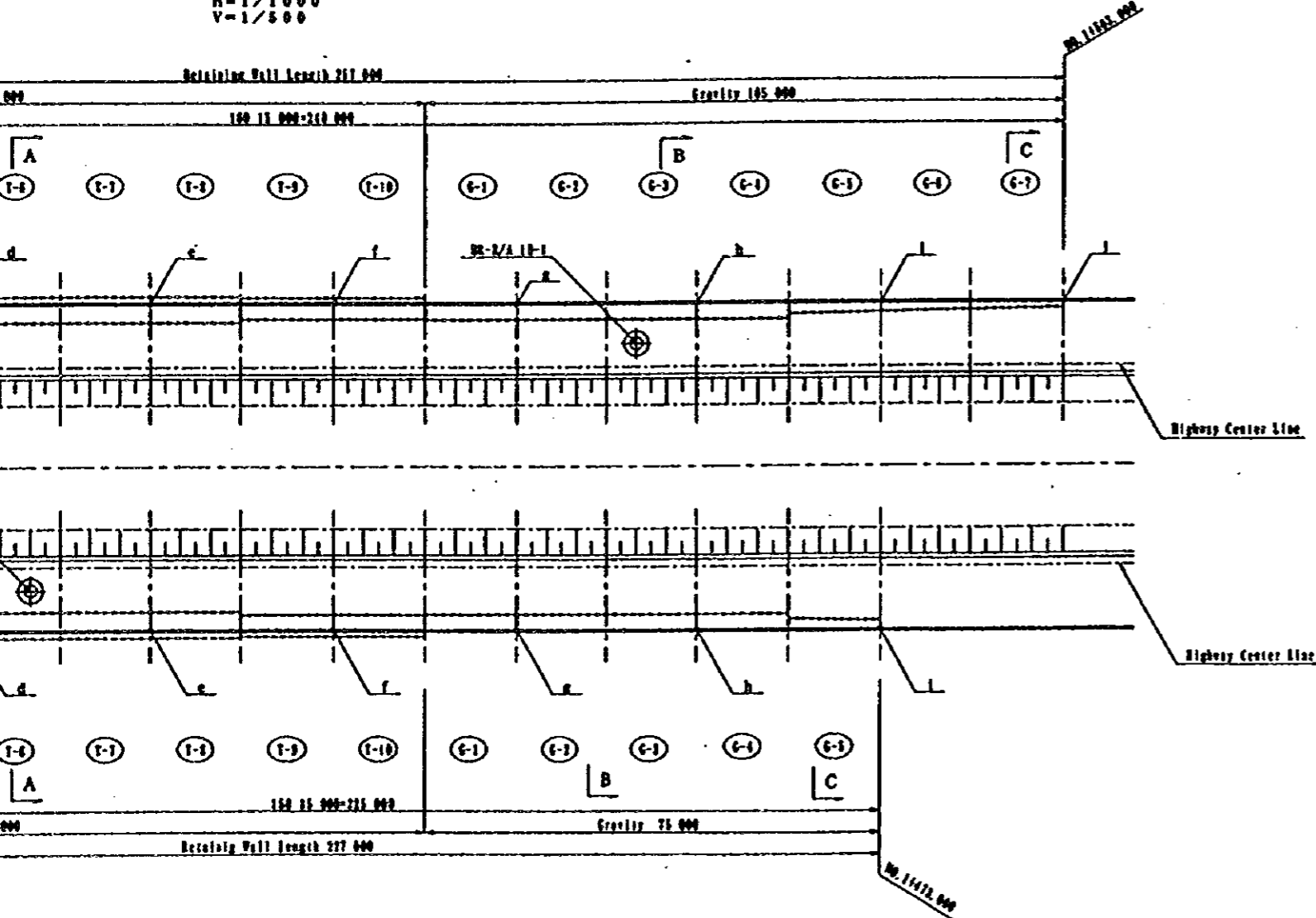
PLAN  
5=1/1000

NOTES:

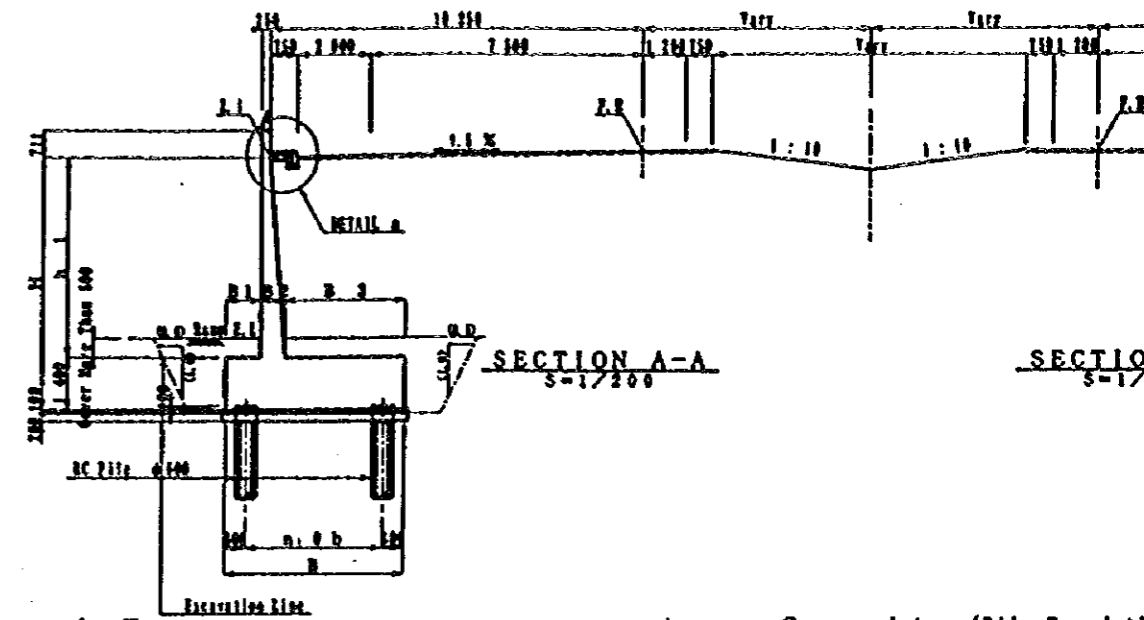
MUSCAT



SIDE VIEW  
H=1/1000  
V=1/500



PLAN  
S=1/1000



SECTION A-A  
S=1/200

Reversed T

MARK TYPE	H	h 1	B	B 1	B 2	B 3
A L I N E	T-1	11-0 409	7 000	5 700	1 500	849 3 361
	T-2	1-0 122	6 722			824 3 626
	T-3	3-0 123	7 000	5 700	1 200	834 3 366
	T-4	4-7 855	6 455			787 3 413
	T-5	5-7 587	6 187			765 3 435
	T-6	6-7 274	6 874			739 3 461
	T-7	7-6 981	6 561			713 3 487
	T-8	8-6 603	6 203	4 200	1 000	697 3 503
	T-9	9-6 245	4 845			668 3 532
	T-10	10-6 842	4 442			640 3 560
B L I N E	T-1	11-5 540	4 140	3 500	800	565 2 135
	T-2	12-5 438	4 038			533 2 167
	T-3	13-5 001	3 601			524 2 176
	T-4	14-5 587	7 187	5 700	1 500	864 3 336
E	T-1	1-0 219	6 919			842 3 358
	T-2	2-0 053	6 653			819 3 381
	T-3	4-7 787	6 387	5 700	1 200	804 3 396
	T-4	5-7 475	6 075			782 3 418
	T-5	6-7 164	5 764			756 3 444
	T-6	7-6 808	5 408			730 3 470
	T-7	8-6 452	5 052	4 200	1 000	700 3 500
	T-8	9-6 052	4 652			685 2 516
	T-9	10-5 651	4 251	3 500	800	656 2 544
	T-10	11-5 216	3 816			624 2 576

Gravity (Pile Foundat)

MARK TYPE	H	h 1	
A	G-1	11-4 991	3 691
L	G-2	15-4 653	3 253
I	G-3	15-4 261	2 861
N	G-4	17-3 868	2 468
E	G-1	18-3 538	2 138
B L I N E	G-1	11-4 681	3 281
	G-2	16-4 460	3 060
	G-3	16-4 077	2 677
	G-4	18-3 693	2 293
E	G-1	17-3 381	1 981
	G-2		

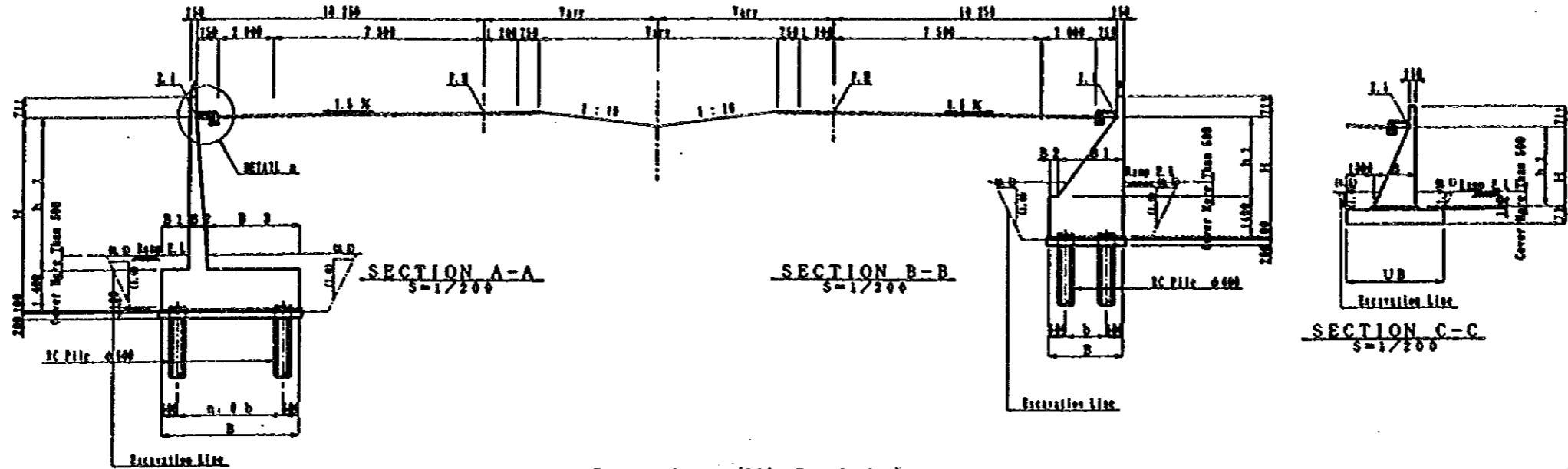
Gravity (Spread Founda)

MARK TYPE	H	B	
A	G-1	11-2 943	1 479
L	G-1	11-1 717	1 280
I	G-1	11-1 449	1 119
N	G-1	11-1 180	958
E	G-1	11-1 981	1 439
E	G-1	11-1 668	1 261
	G-2		

List Of Foundation

Reversed T	A - LINE				Reversed T	B - LINE			
	n. of	w.	n. of	d		n. of	w.	n. of	d
T 1	3 @ 1 500	725	9 @ 1 700	40	T 1	3 @ 1 500	725	9 @ 1 700	40
T 2 ~ T 5	3 @ 1 500	600	9 @ 1 725	40	T 2	3 @ 1 500	750	9 @ 1 700	40
T 6 ~ T 8	2 @ 1 500	675	7 @ 1 950	24	T 3 ~ T 6	3 @ 1 500	600	8 @ 1 725	40
T 9 ~ T 10	1 @ 2 300	600	8 @ 1 725	18	T 7 ~ T 8	2 @ 1 500	675	7 @ 1 950	24
Gravity	1 @ 1 600	640	14 @ 980	15	T 9 ~ T 10	1 @ 2 300	600	8 @ 1 725	40
					Gravity	1 @ 1 500	600	14 @ 980	15

CAT.



Reversed T

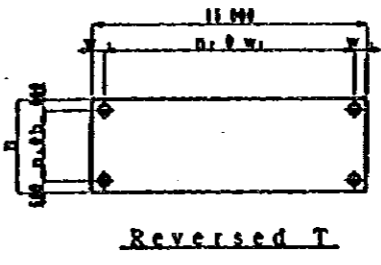
MARK TYPE	H	h 1	B	B 1	B 2	B 3
A L I N E	T-1	81-8 409	7 000	5 700	1 500	849 3 351
	T-2	81-8 122	6 722			824 3 628
	T-3	81-8 122	7 000	6 700	1 200	834 3 366
	T-4	6-7 858	6 455			787 3 413
	T-5	6-7 687	6 187			765 3 436
	T-6	6-7 274	6 074			739 3 461
	T-7	7-6 861	6 561			713 3 487
	T-8	8-6 603	6 203	4 200	1 000	697 2 603
	T-9	9-6 603	6 203			688 2 632
	T-10	9-6 245	4 845			640 2 660
B L I N E	T-1	10-5 842	4 442			607 2 693
	T-2	11-5 640	4 140	3 500	800	585 2 135
	T-3	12-5 438	4 038			633 2 167
	T-4	12-5 001	3 601			524 2 176
	T-5	81-8 587	7 187	5 700	1 500	864 3 336
	T-6	7-8 319	6 919			842 3 358
	T-7	8-8 063	6 053			819 3 381
	T-8	6-7 787	6 387	5 700	1 200	804 3 398
	T-9	6-7 475	6 075			782 3 418
	T-10	6-7 164	5 764			750 3 444
T I N E	T-1	7-6 808	6 408			700 3 500
	T-2	9-6 452	6 052	4 200	1 000	685 2 616
	T-3	9-6 052	4 652			656 2 644
	T-4	10-5 651	4 251	3 500	800	624 2 676
	T-5	10-5 651	4 251			604 2 696
	T-6	11-5 216	3 816			574 2 126
	T-7					540 2 160
	T-8					
	T-9					
	T-10					

Gravity (Pile Foundation)

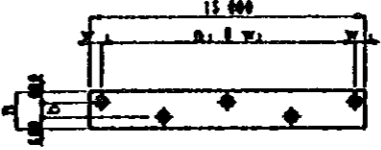
MARK TYPE	H	h 1	B	B 1	B 2
A L I N E	G-1	81-4 091	3 691	2 800	2 350 450
	G-2	10-4 653	3 253		2 101 690
	G-3	10-4 261	2 861		1 878 922
	G-4	11-3 868	2 468		1 654 1 146
B L I N E	G-1	10-4 681	3 281	2 800	2 117 683
	G-2	14-4 460	3 060		1 991 809
	G-3	10-4 077	2 677		1 773 1 027
	G-4	10-3 603	2 293		1 555 1 245
T I N E	G-1	11-3 381	1 981		1 377 1 423
	G-2				
	G-3				
	G-4				

Gravity (Spread Foundation)

MARK TYPE	H	B	U h	U B	
A L I N E	G-1	81-2 048	1 478	1 500	3 478
	G-2	10-1 717	1 200		3 200
	G-3	11-1 448	1 118		3 118
T I N E	G-1	12-1 180	958		2 958
	G-2	10-1 981	1 439	1 500	3 439
T I N E	G-1	10-1 688	1 261		3 261
	G-2				



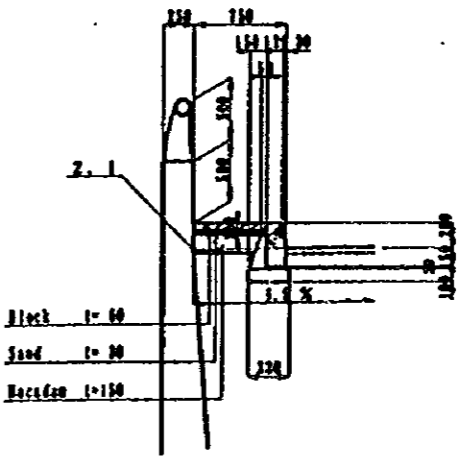
Reversed T



Gravity

List Of Foundation

Reversed T	A - LINE					Reversed T	B - LINE				
	n. s. b.	w.	n. s. w.	n	L (m)		n. s. b.	w.	n. s. w.	n	L (m)
T 1	3 01 500	725	9 01 700	40	6 000	T 1	3 01 500	725	9 01 700	40	6 000
T 2 ~ T 5	3 01 500	600	9 01 725	40		T 2	3 01 500	750	9 01 700	40	
T 6 ~ T 8	2 01 500	675	7 01 950	24		T 3 ~ T 6	3 01 500	600	9 01 725	36	
T 9 ~ T 10	1 02 300	600	8 01 725	13		T 7 ~ T 8	2 01 500	675	7 01 950	24	
Gravity	1 01 600	640	14 0 980	15	6 000	T 9 ~ T 10	1 02 300	600	8 01 725	13	
						Gravity	1 01 500	600	14 0 980	15	6 000



DETAIL A  
5-1/60

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

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS  
PROJECT : D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY  
TITLE : R/A-10, SAHAN GENERAL VIEW FOR WALL (2)-1  
DATE : DTC NO. W-20

Point		a	b	c	d	e	f	g	h	i	j
A L I N E	N	+2669965.05167	+2669890.80992	+2669869.55310	+2669848.42394	+2669827.42321	+2669806.55167	+2669785.81006	+2669765.19914	+2669744.71965	+2669724.37233
	E	+ 487493.76912	+ 487507.81091	+ 487528.98035	+ 487550.27720	+ 487571.70071	+ 487593.25009	+ 487614.92457	+ 487636.72336	+ 487658.64567	+ 487680.69072
	Z	22.109	21.802	21.267	20.841	19.925	19.118	18.243	17.458	16.797	16.260
B L I N E	N	+2669882.26511	+2669868.02213	+2669846.76278	+2669825.63023	+2669804.62524	+2669783.74856	+2669763.00094	+2669742.38311	+2669721.89582	
	E	+ 487470.03477	+ 487484.07532	+ 487505.24221	+ 487526.53570	+ 487547.95503	+ 487569.49944	+ 487591.16816	+ 487612.96042	+ 487634.87544	
	Z	22.305	21.999	21.467	20.844	20.132	19.331	18.460	17.693	17.068	

NOTES:

JAPAN INTERNATIONAL COOPERATION AGENCY  
(JICA)

JICA STUDY TEAM  
PACIFIC CONSULTANTS INTERNATIONAL  
FLUCTANA CONSULTANTS INTERNATIONAL

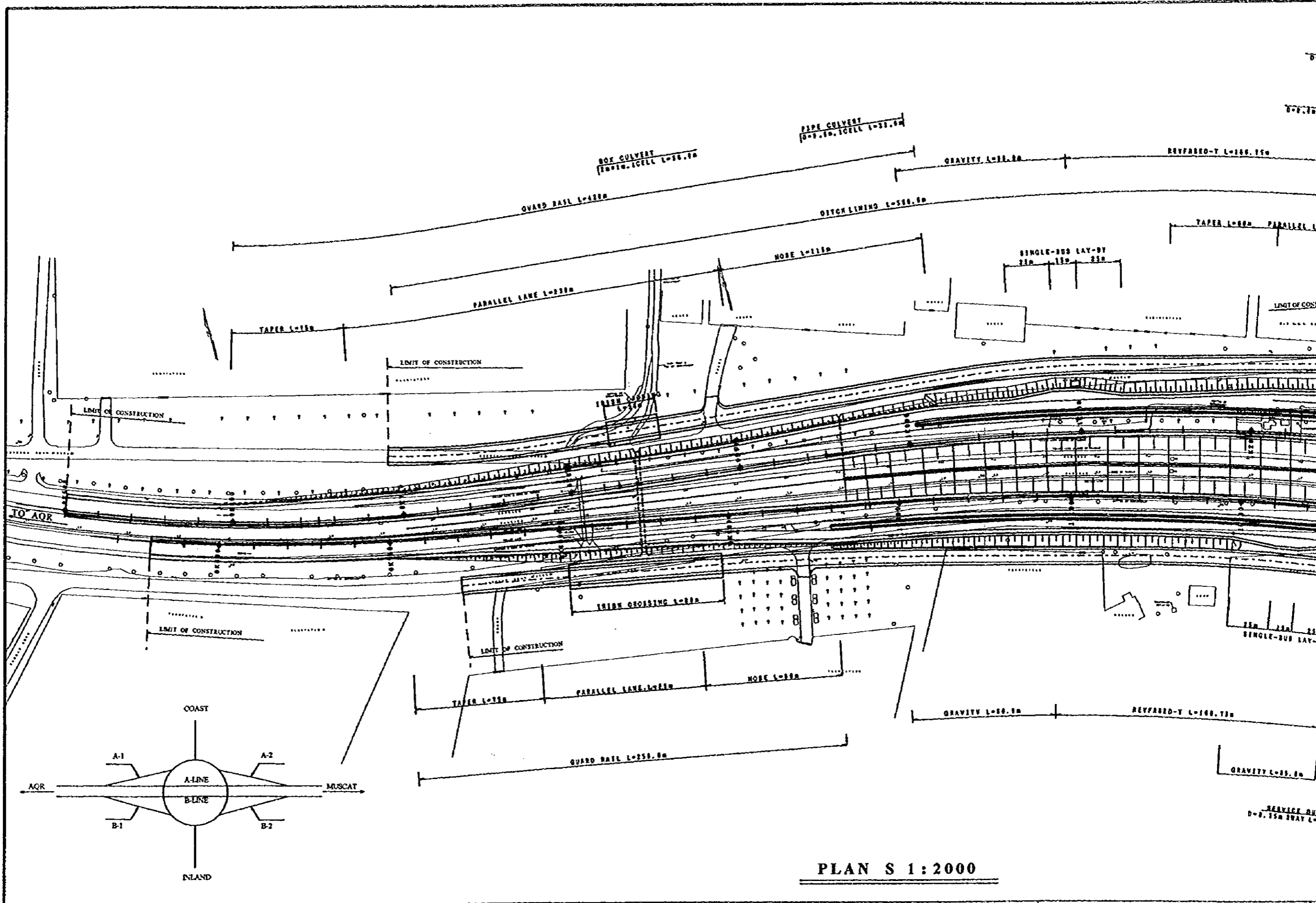
CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

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

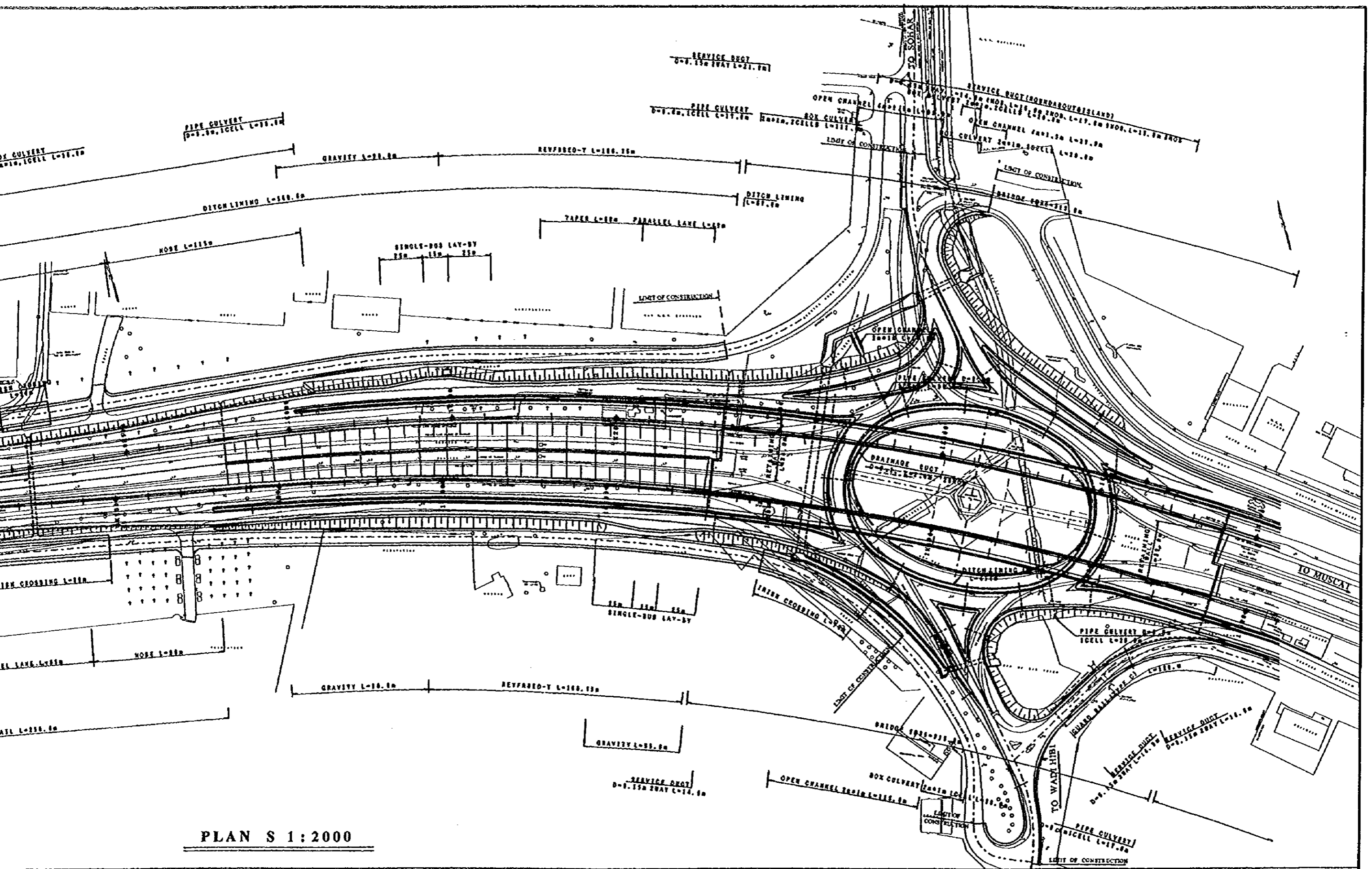
TITLE : R/A-10. SAHAN GENERAL VIEW FOR WALL (2)-2

DATE : DTC NO. W-21

*Sabar*  
FLYOVER



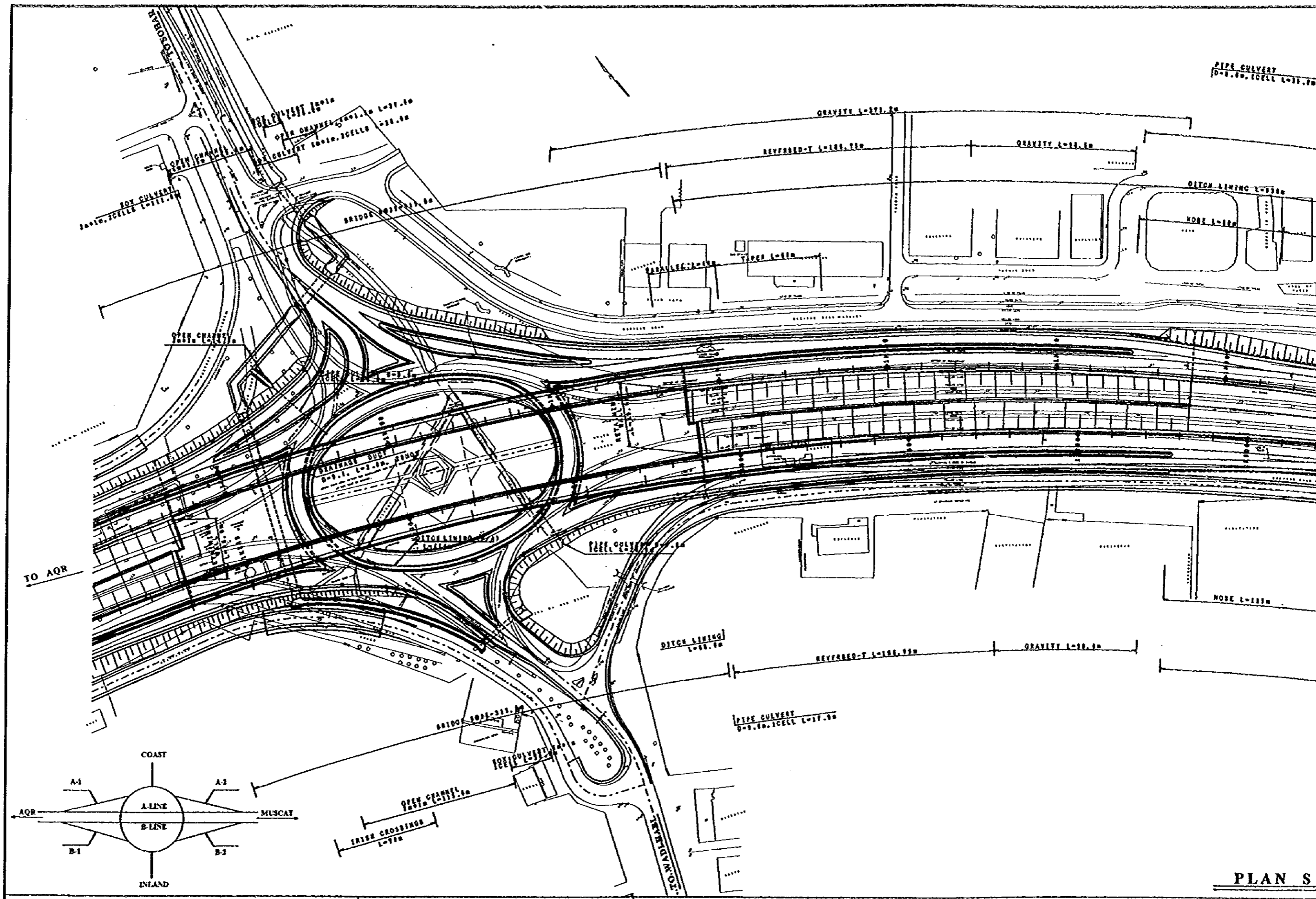
NOTES:



**PLAN S 1:2000**

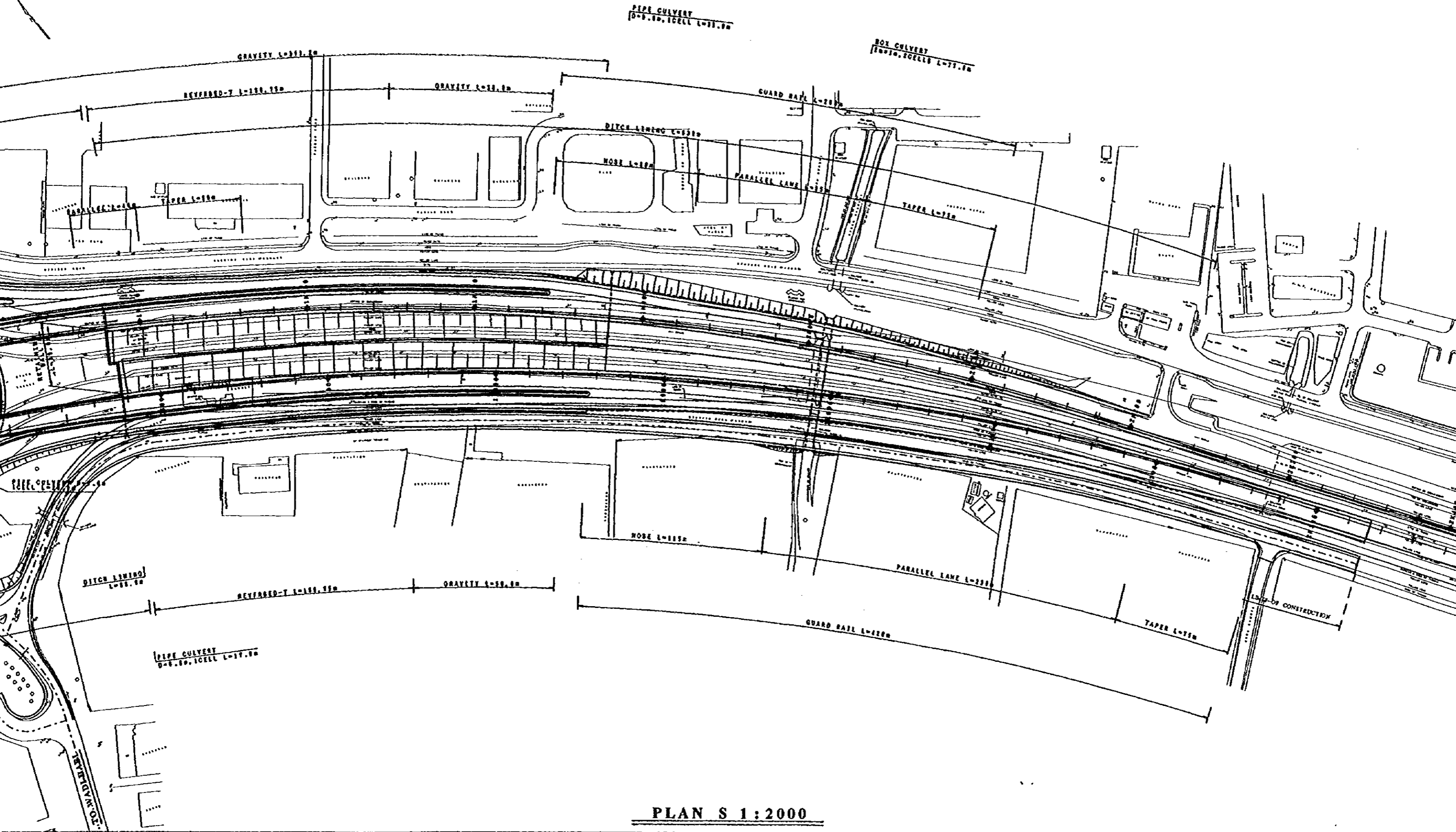
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) JICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL	CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
	PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE: RA/12 SOHAR PLAN (1/3)	DATE:
DWGNO. R-5	



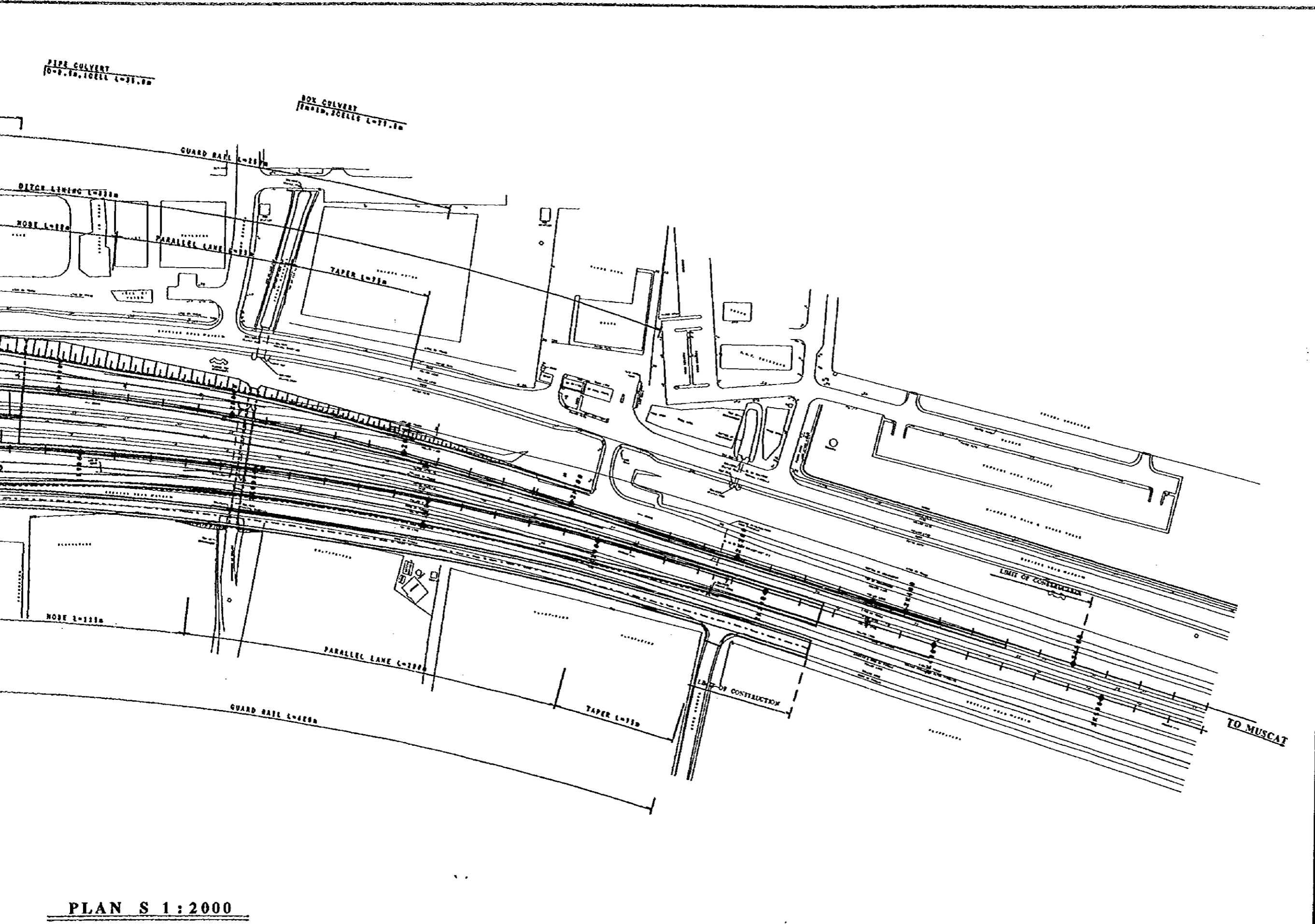


NOTES:

PLAN S

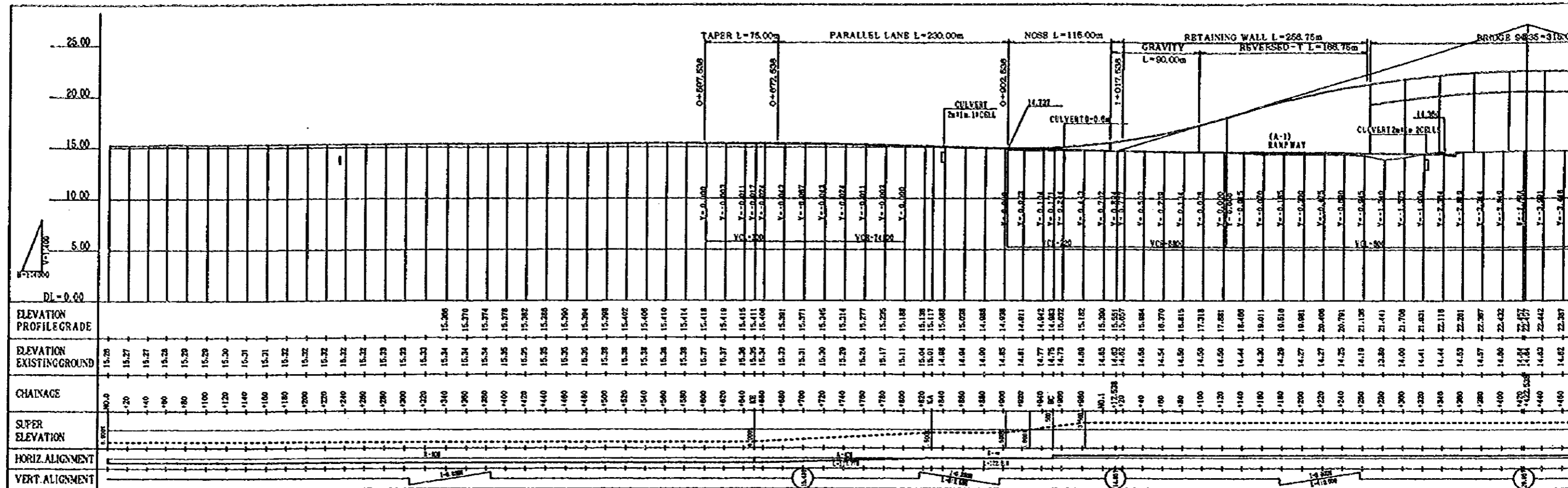


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	CLIENT
JICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL	PROJECT
	TITLE
	DATE

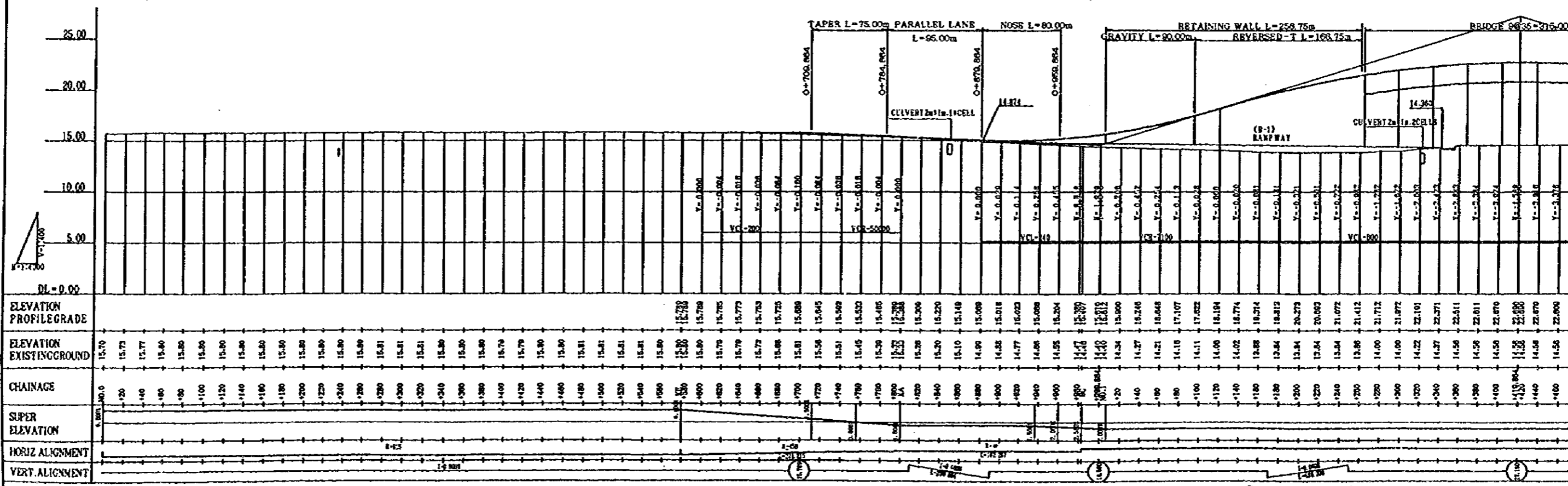


**PLAN S 1:2000**

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/13 SOHAR PLAN(1/2)	DATE
DWG.NO. R-6	

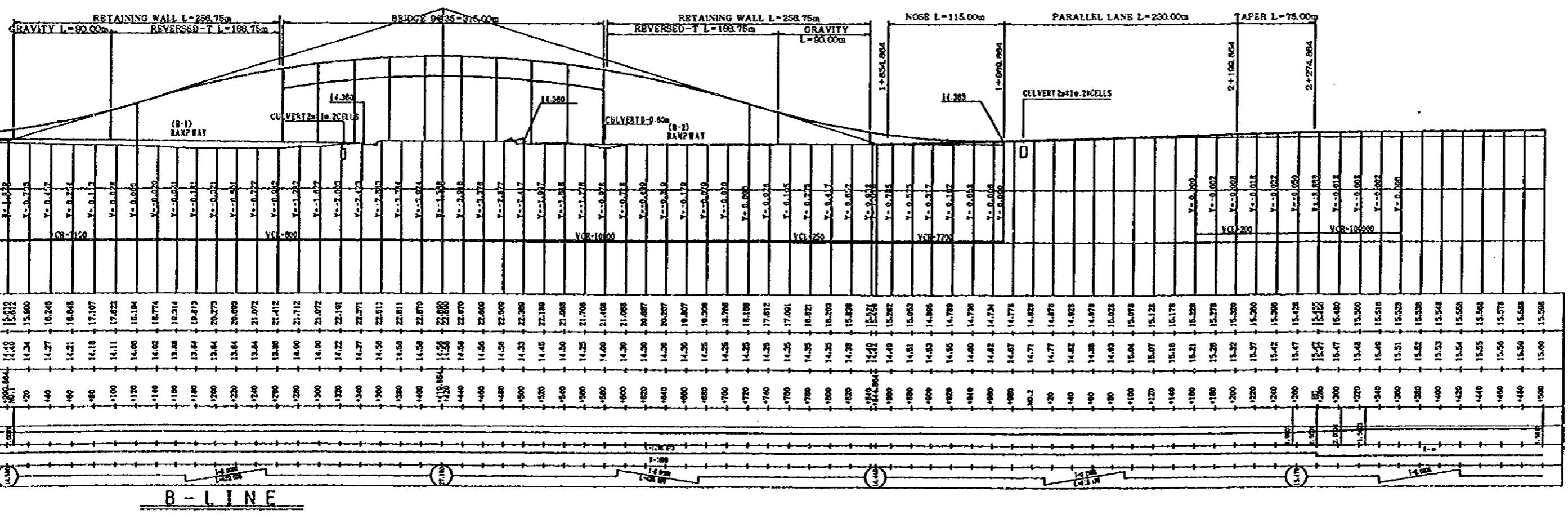
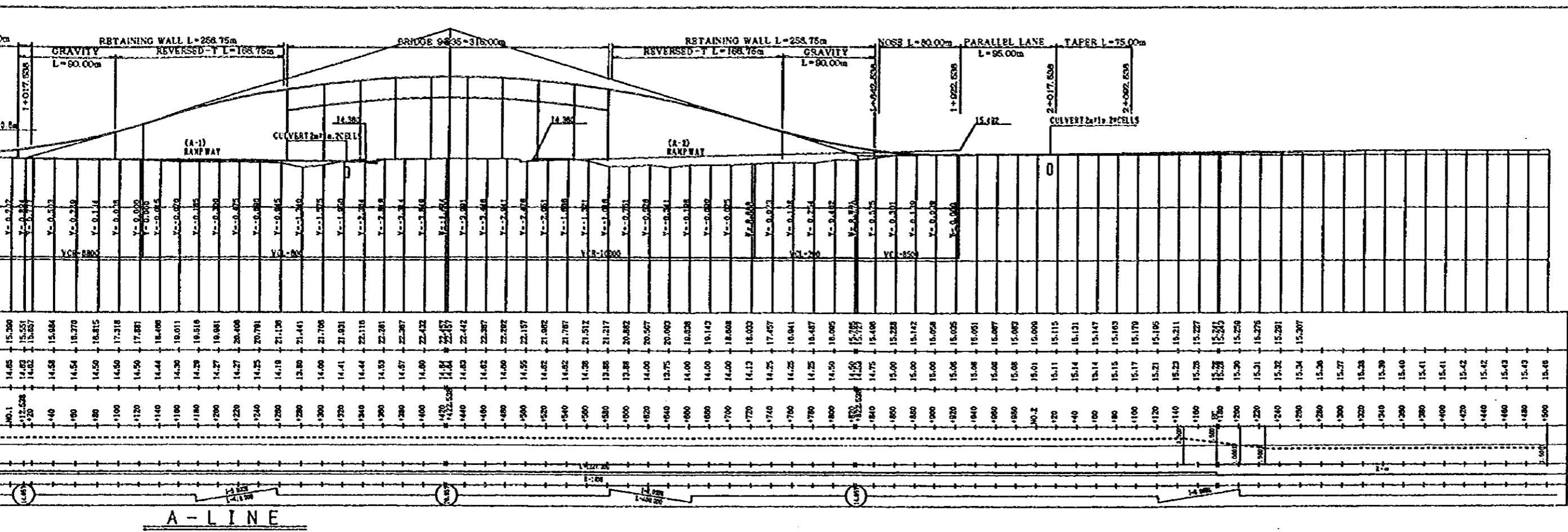


**A - LINE**

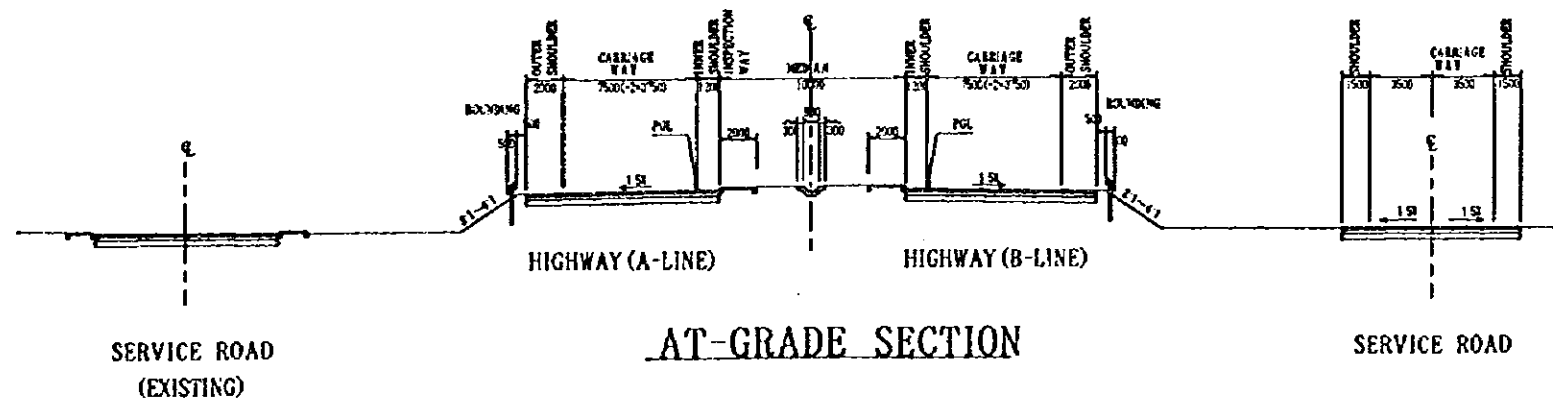
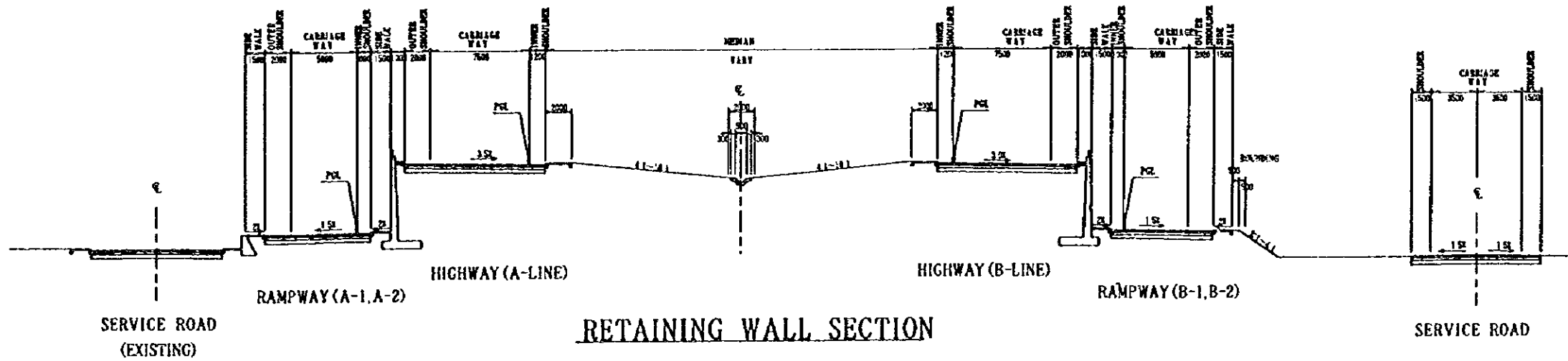
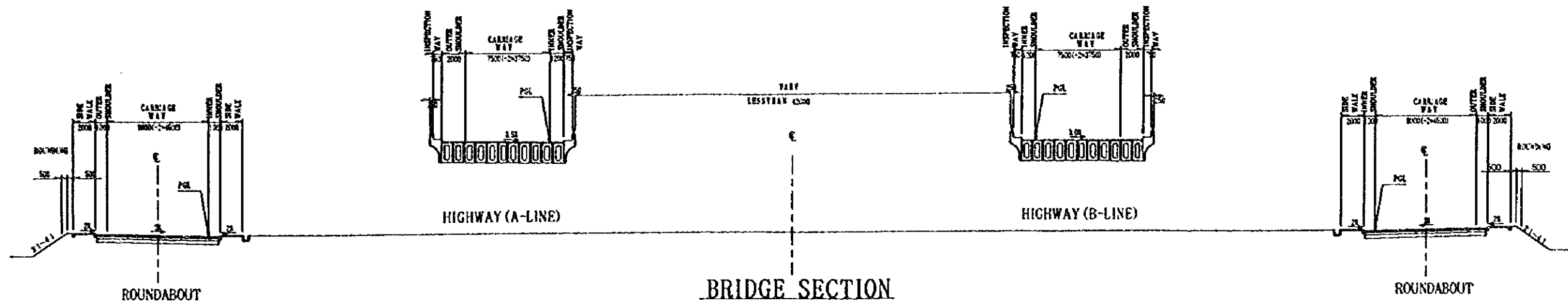


**B - LINE**

NOTES:



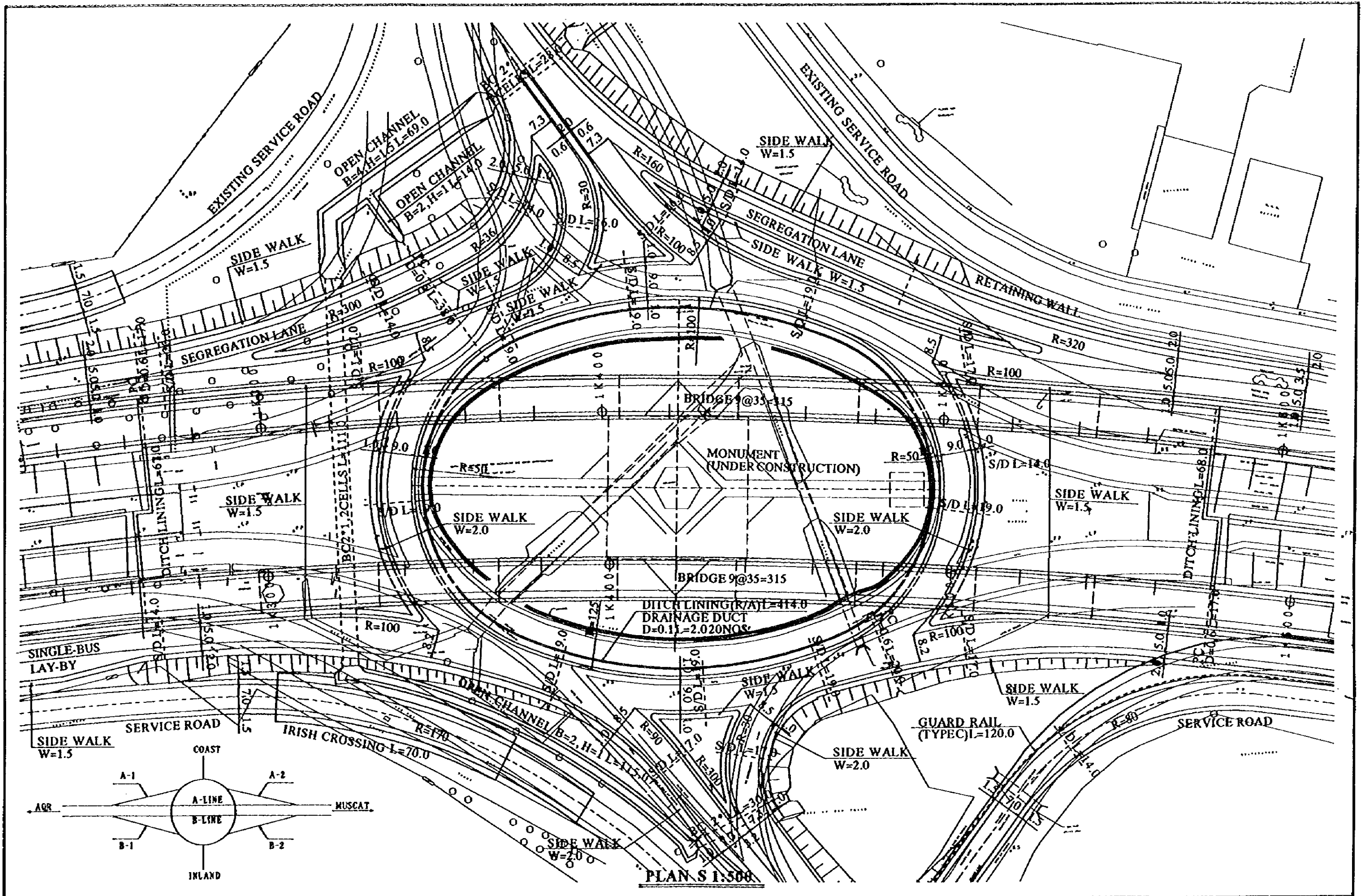
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) JICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL	CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
	PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE: RA/12 SOHAR PROFILE-HIGHWAY	DATE: _____
DWGNO. R-7	



NOTES:  
 (1) SCALE 1:400  
 (2) DIMENSIONS IN MILLIMETER UNLESS OTHERWISE INDICATED.  
 (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/12 SOHAR TYPICAL CROSS SECTION  
 DATE: \_\_\_\_\_ DWG NO.: R-8



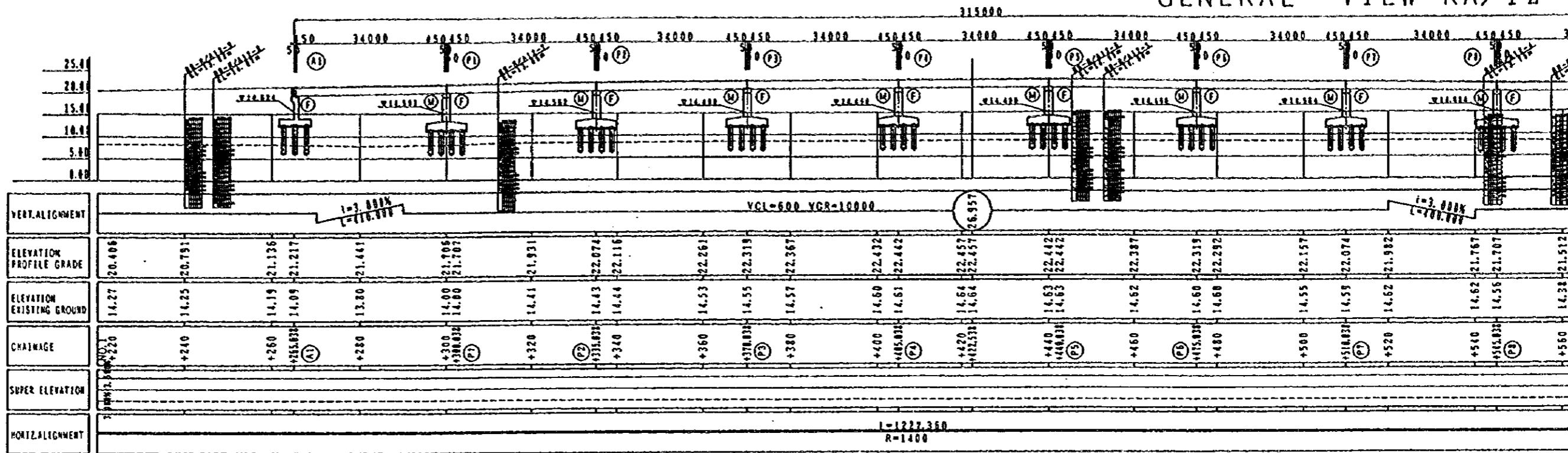
PLAN S 1:500

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.

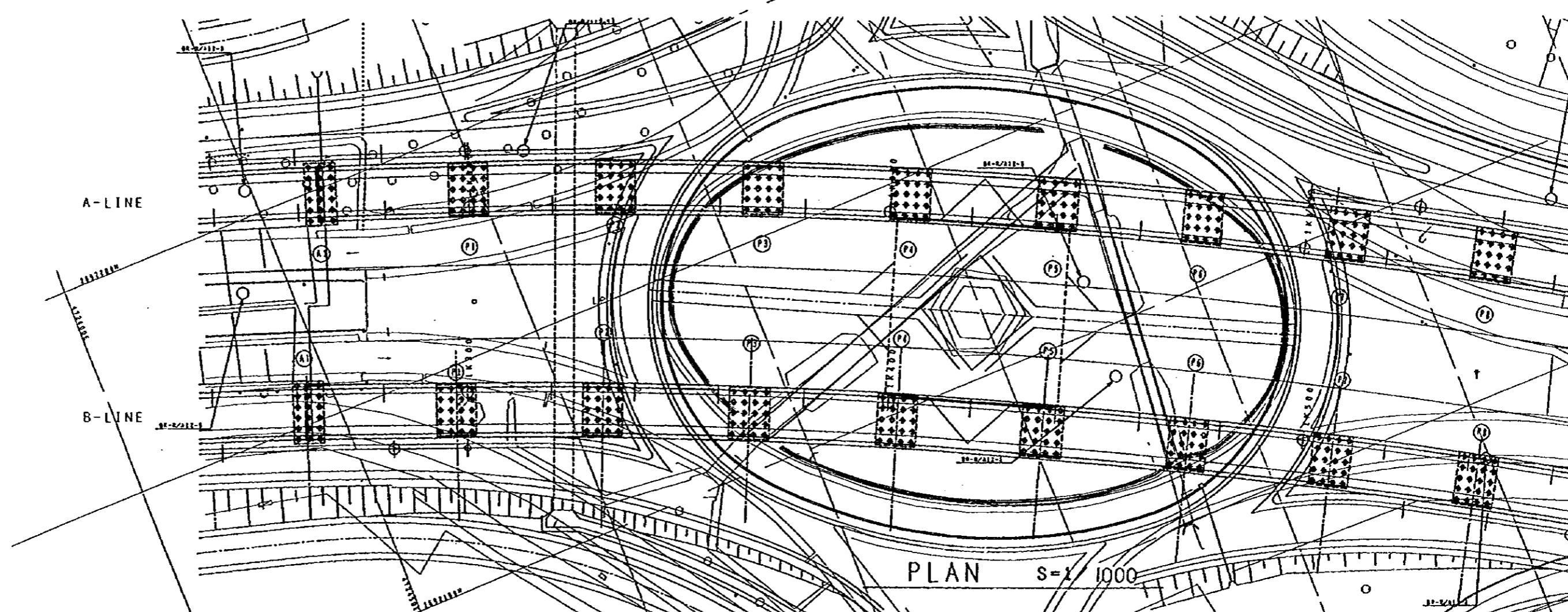
JAPAN INTERNATIONAL COOPERATION AGENCY  
 (JICA)  
 JICA STUDY TEAM  
 PACIFIC CONSULTANTS INTERNATIONAL  
 FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS  
 PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY  
 TITLE: RA/12 SOMAR DETAILED PLAN  
 DATE: \_\_\_\_\_ DWG NO.: R-9

GENERAL VIEW RA/12 S



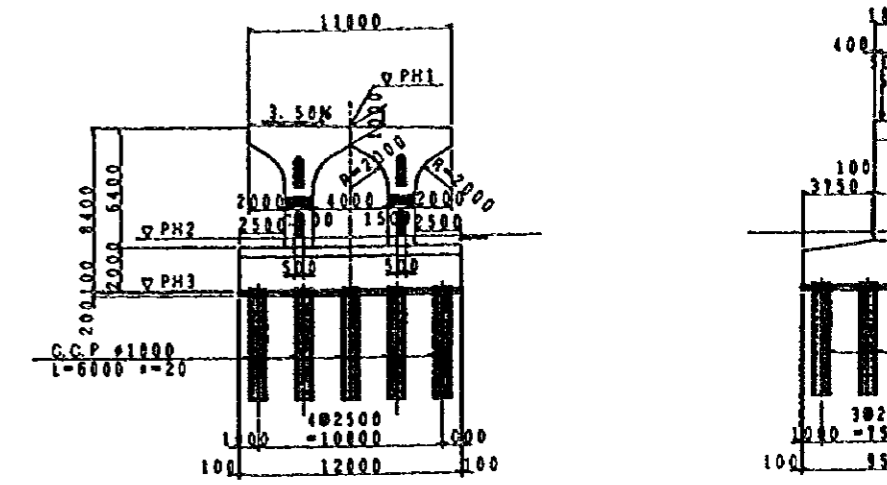
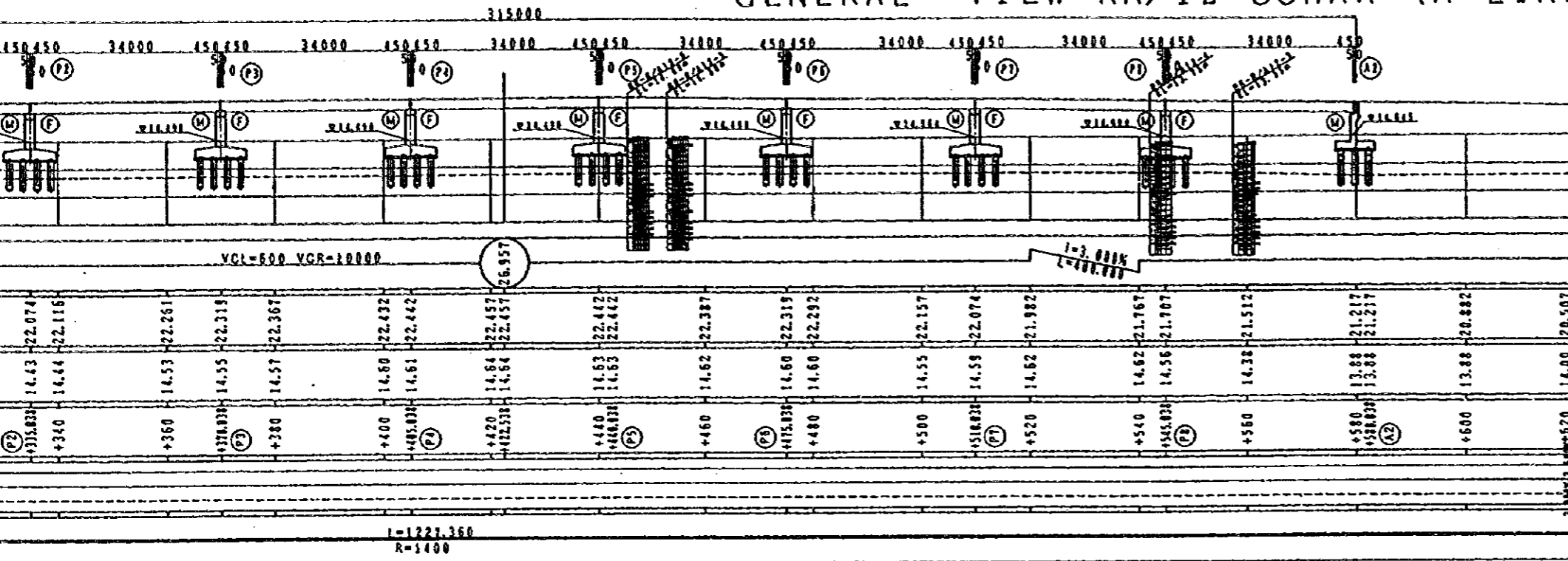
PROFILE (A-LINE) S=1/1000



NOTES:

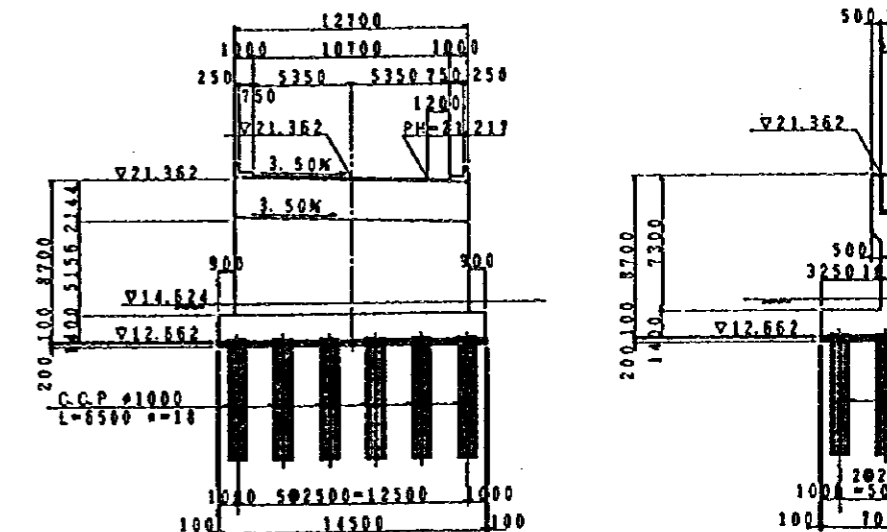
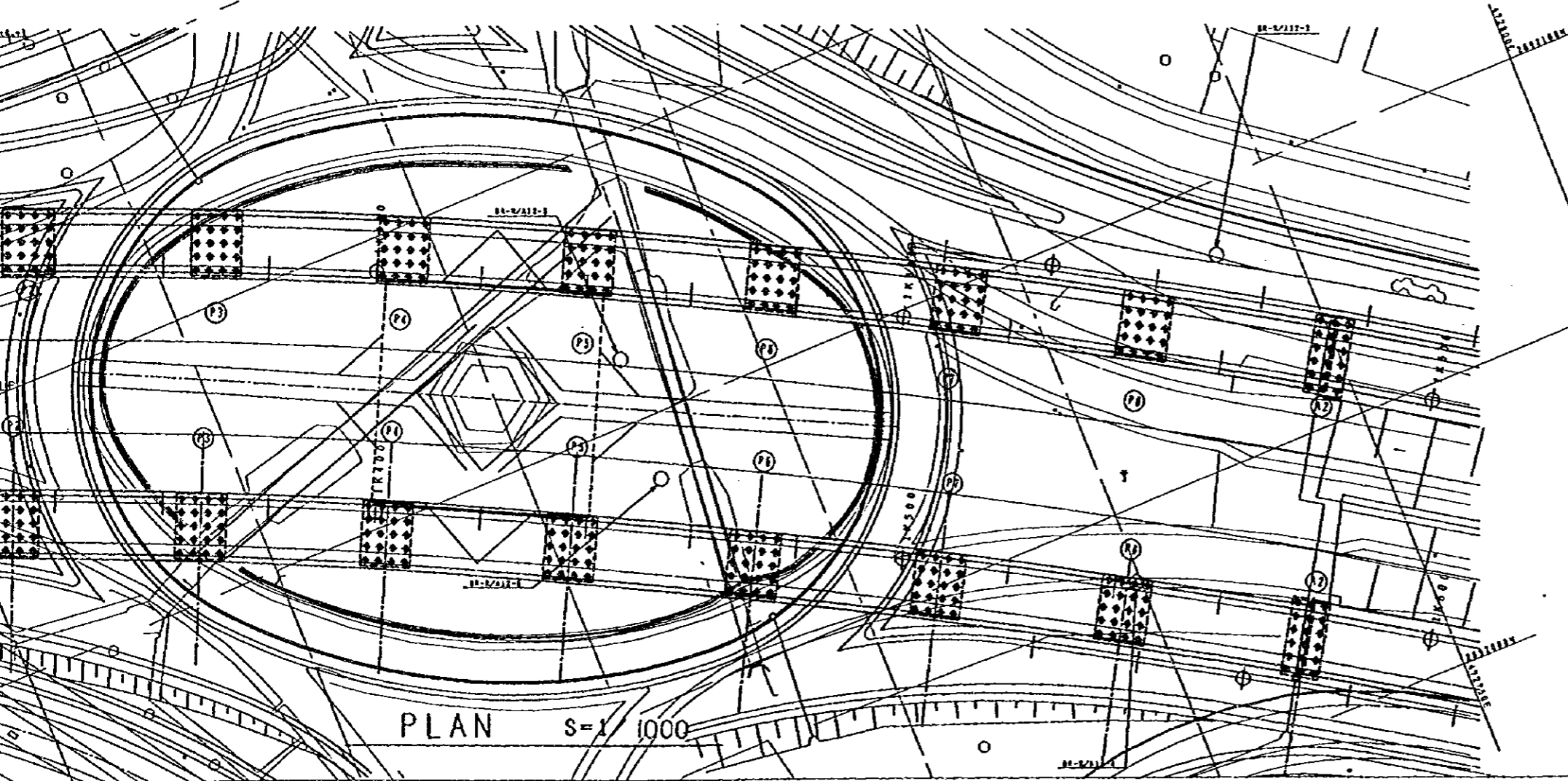


# GENERAL VIEW RA/12 SOHAR (A-LINE)

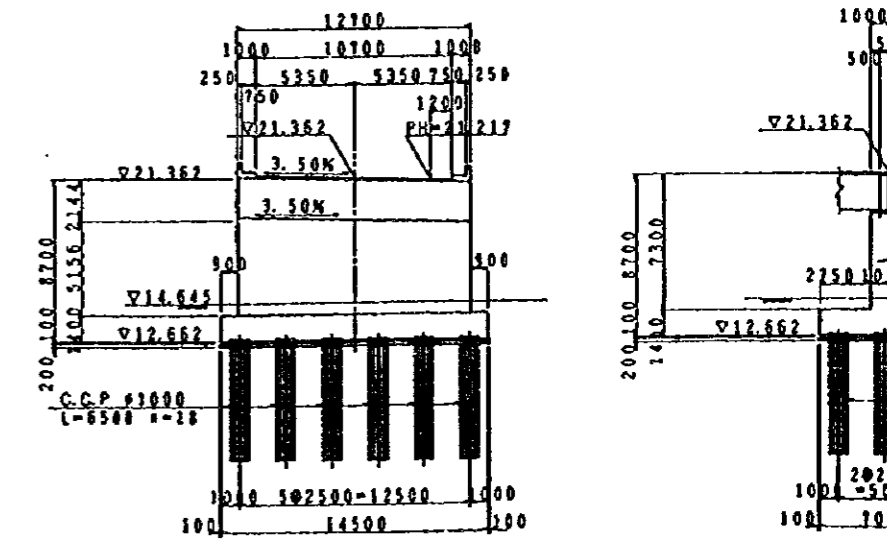


SECTION OF PIERS S=1/400

PROFILE (A-LINE) S=1/1000

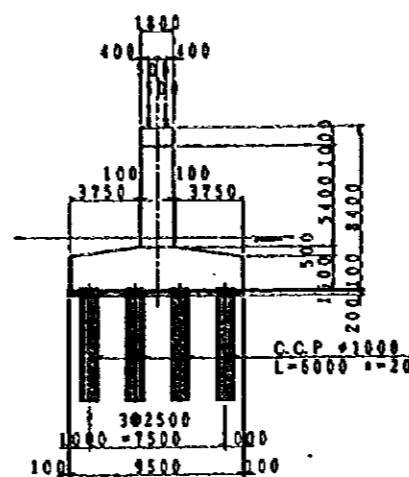
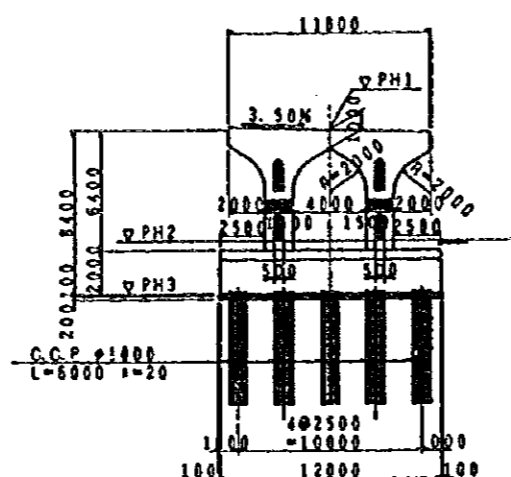
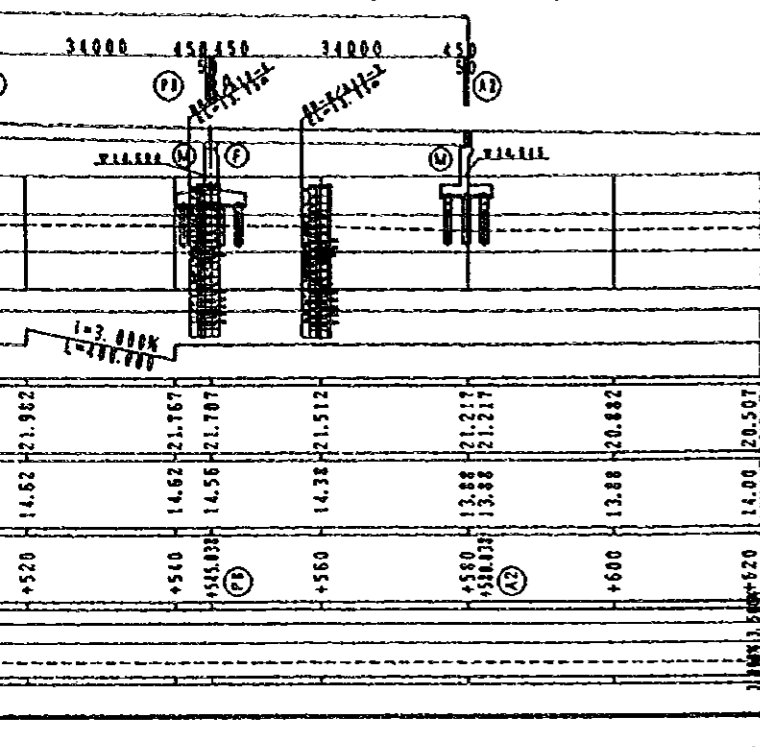


SECTION OF A1 ABUTMENT S=1/400

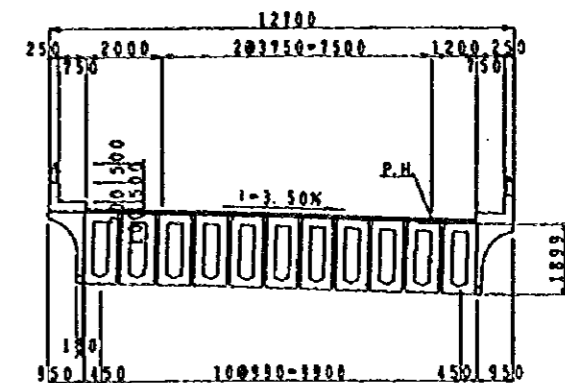


SECTION OF A2 ABUTMENT S=1/400

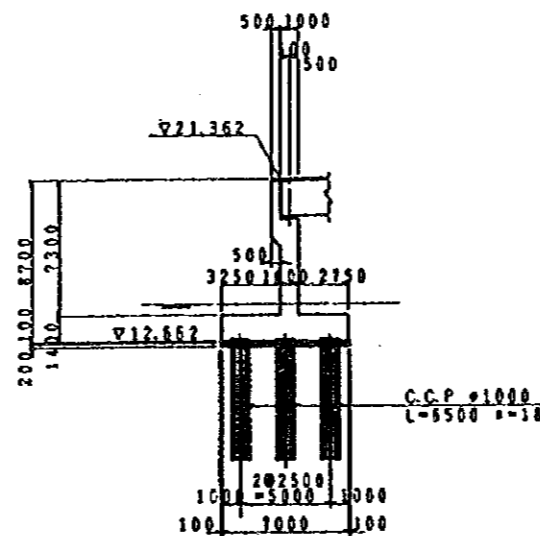
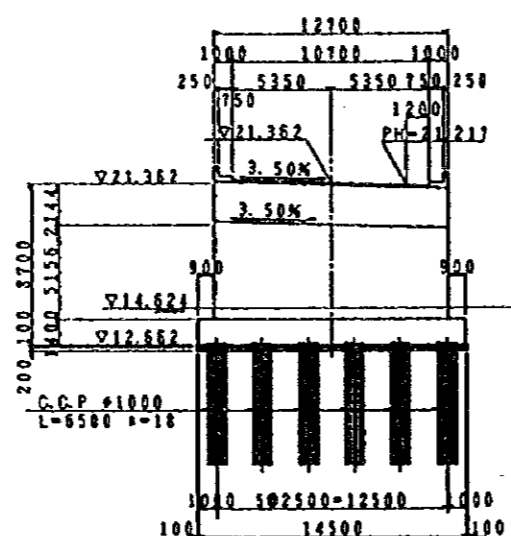
EW RA/12 SOHAR (A-LINE)



SECTION OF PIERS S=1/400



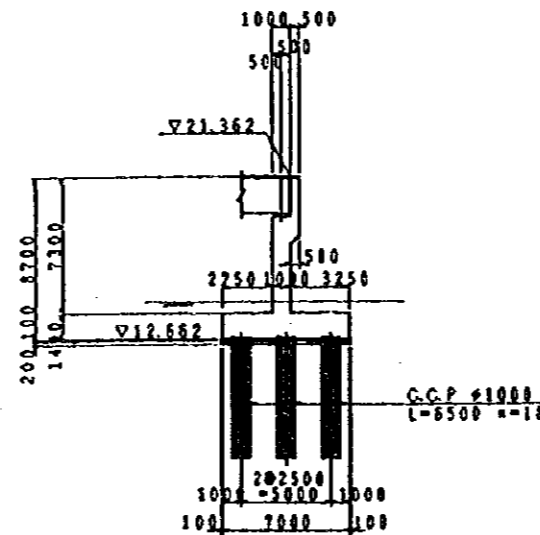
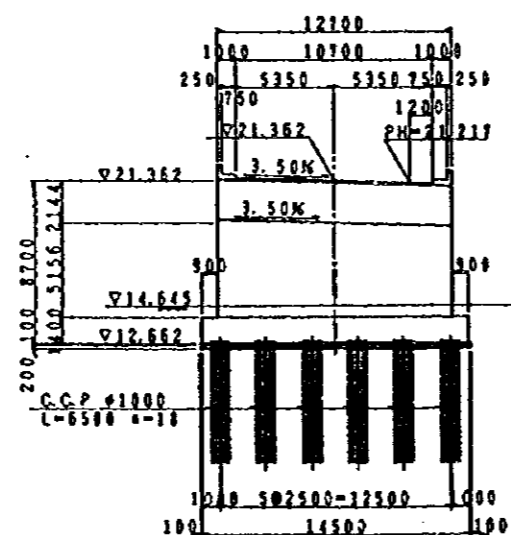
SECTION OF PG BOX GIRDER S=1/200



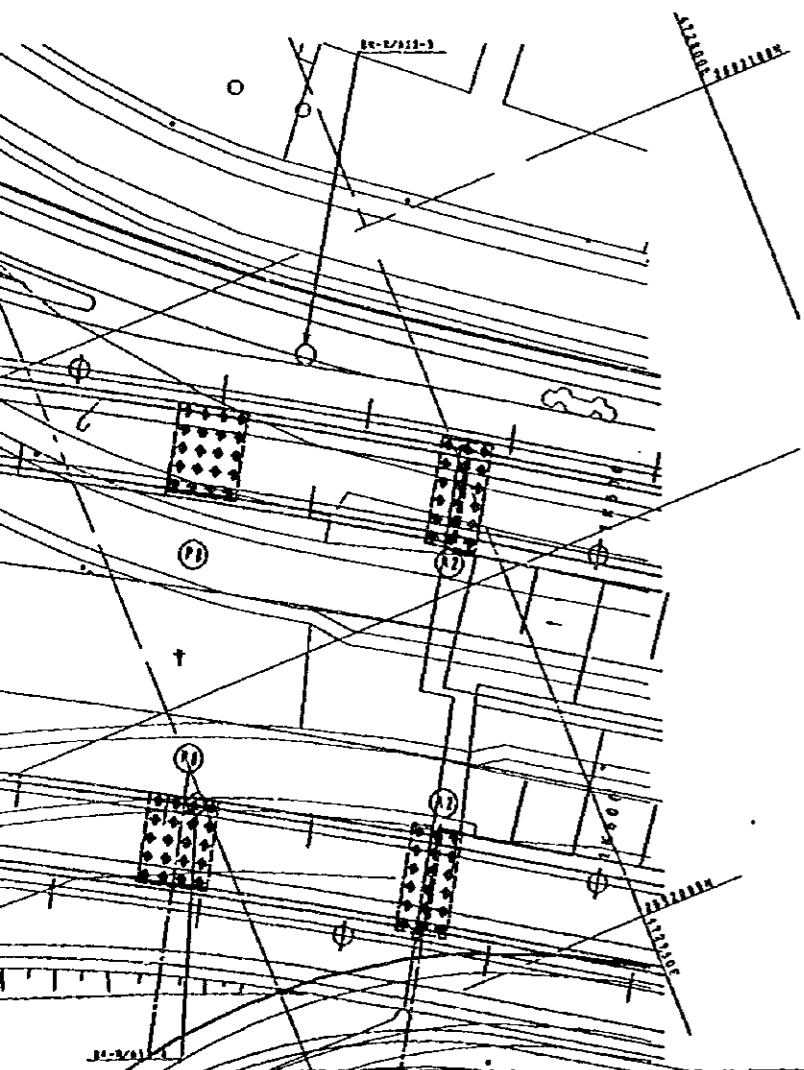
SECTION OF A1 ABUTMENT S=1/400

LIST OF PIER ELEVATION

	PH1	PH2	PH3
P1	19.690	14.593	11.290
P2	20.057	14.562	11.657
P3	20.302	14.490	11.902
P4	20.425	14.490	12.025
P5	20.425	14.490	12.025
P6	20.302	14.490	11.902
P7	20.057	14.564	11.657
P8	19.690	14.604	11.290



SECTION OF A2 ABUTMENT S=1/400



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: GENERAL VIEW RA/12 SOHAR (A-LINE)  
DATE: \_\_\_\_\_ DWGNO. B-1