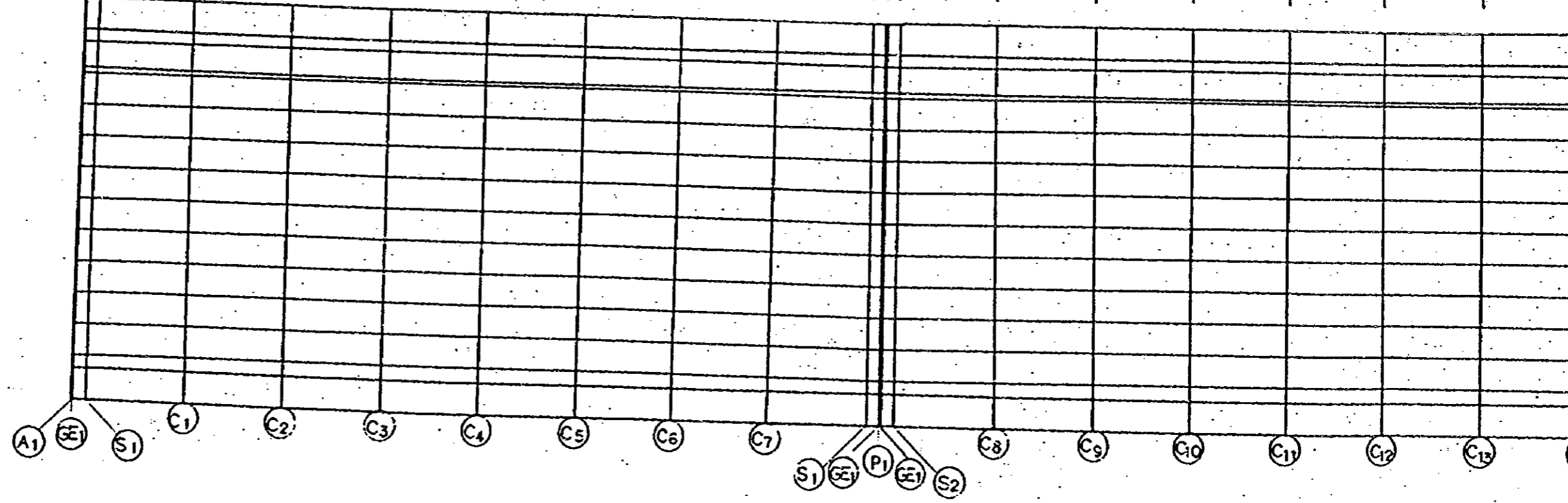
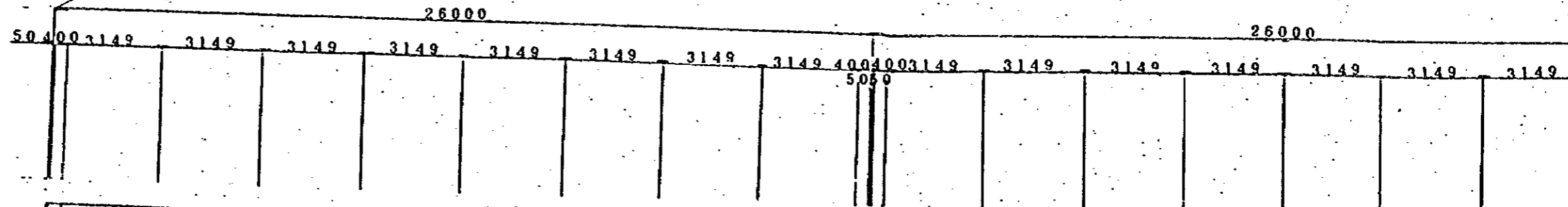
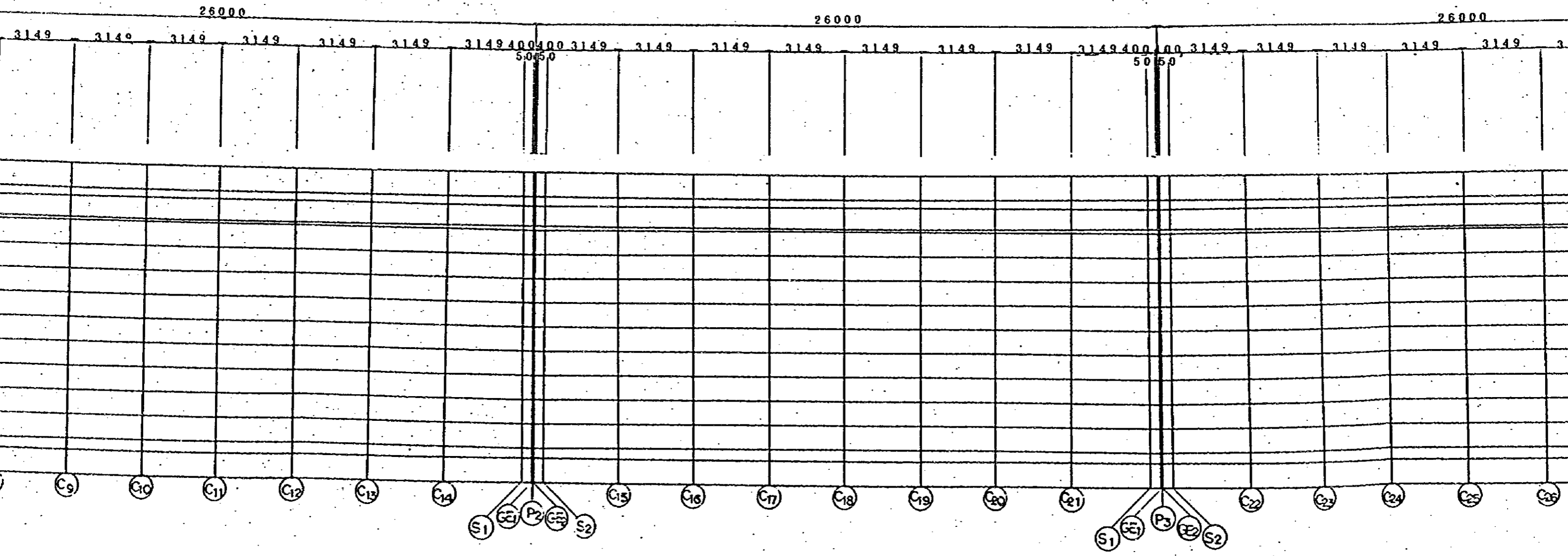


STA NO. 1+457.000



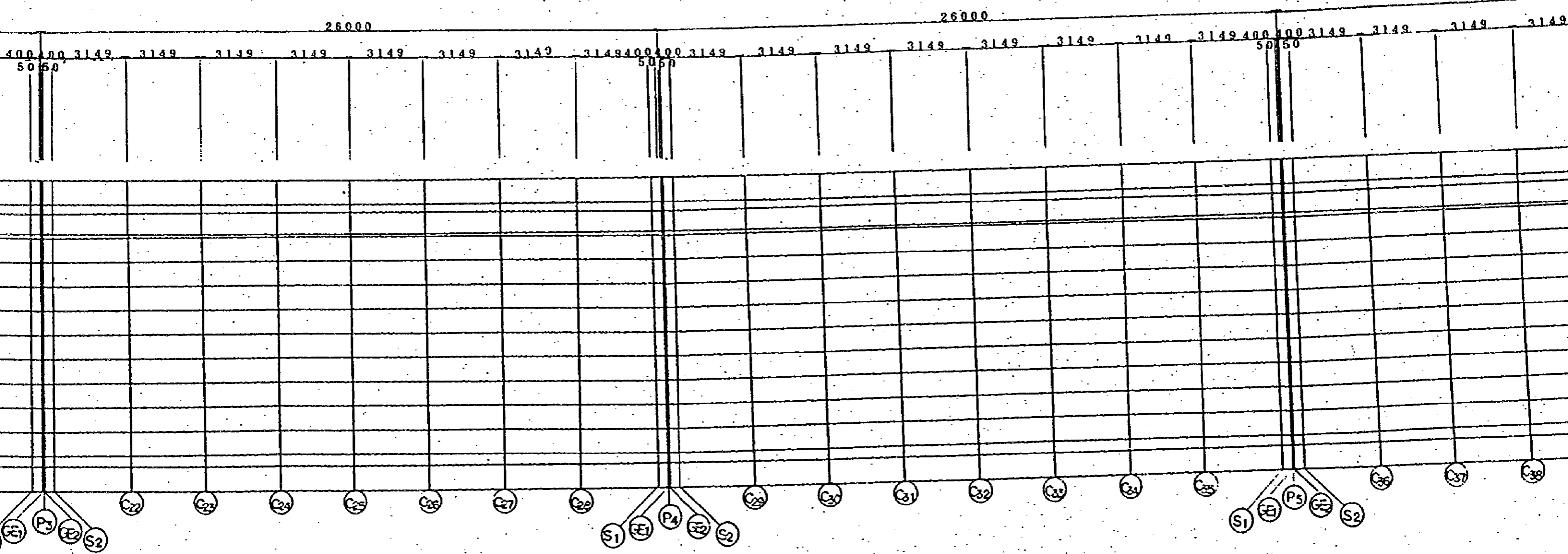
NOTES:



RA/14-FALA

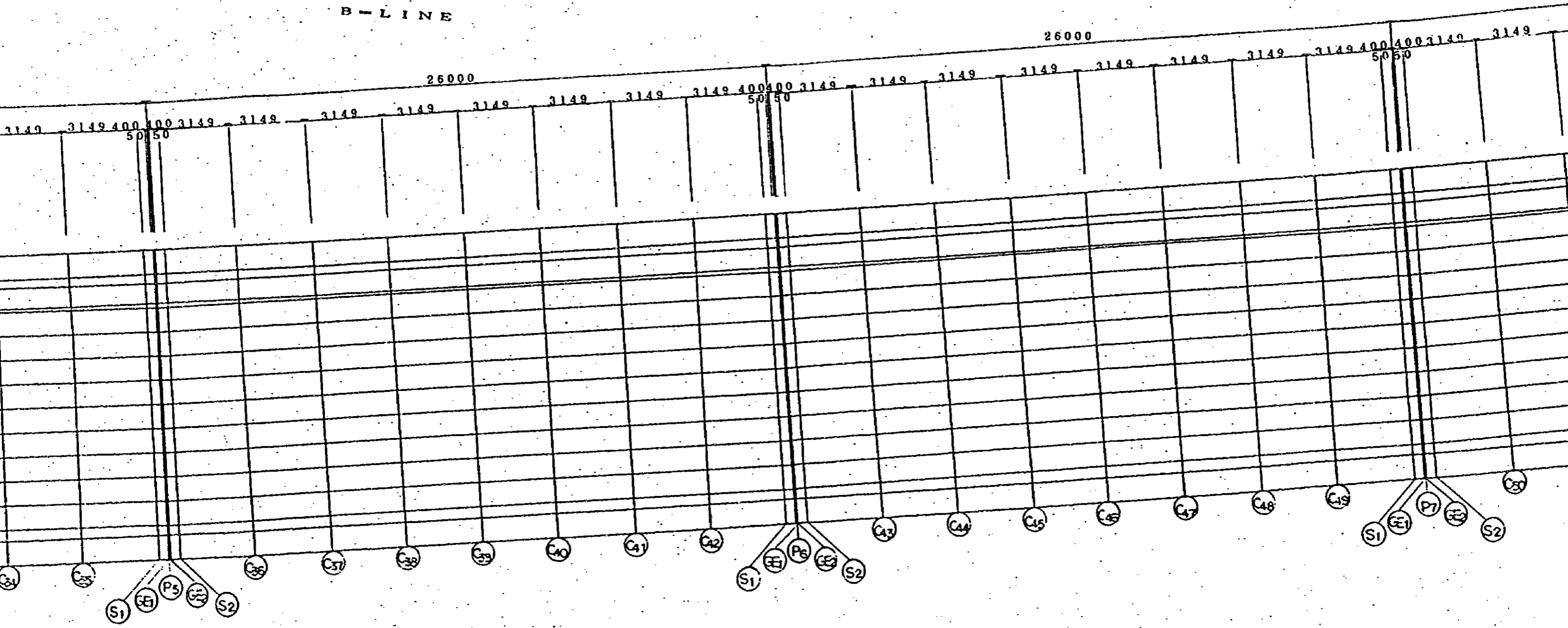
B-LIN

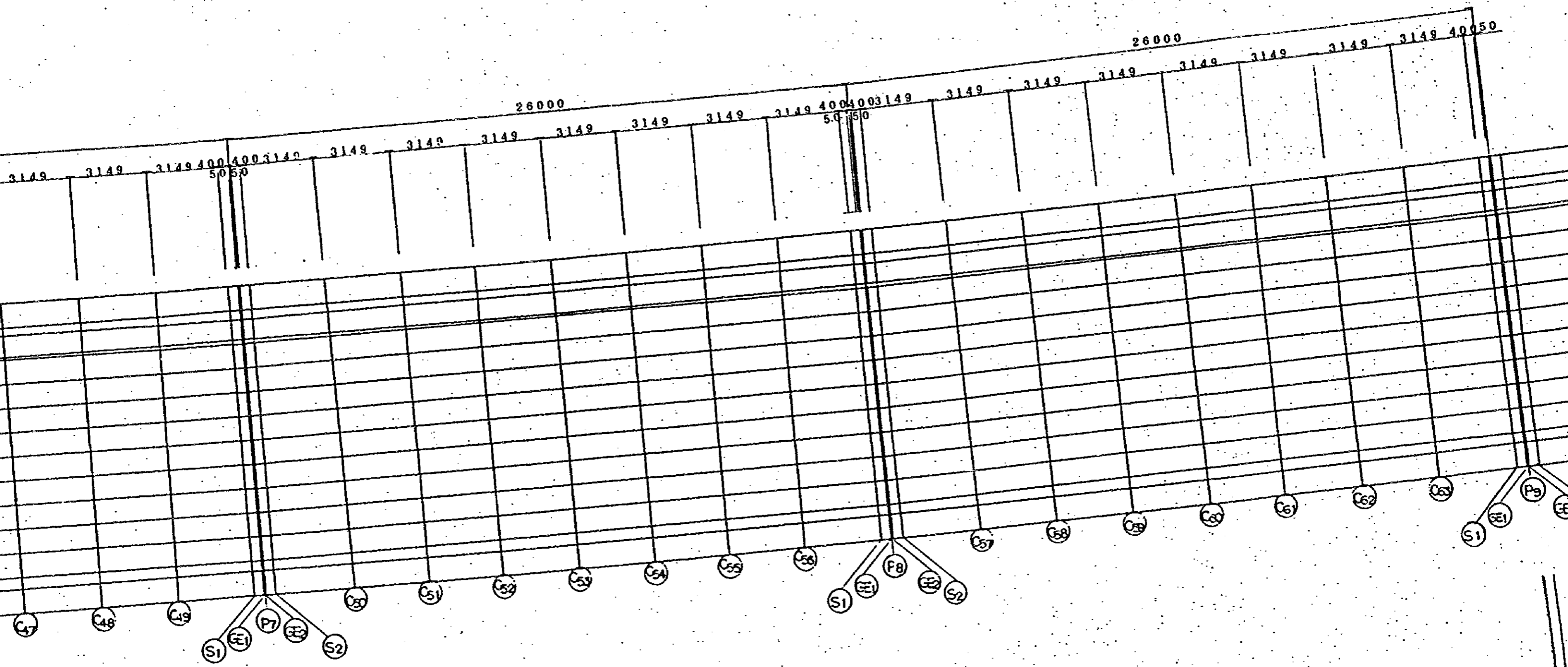
2

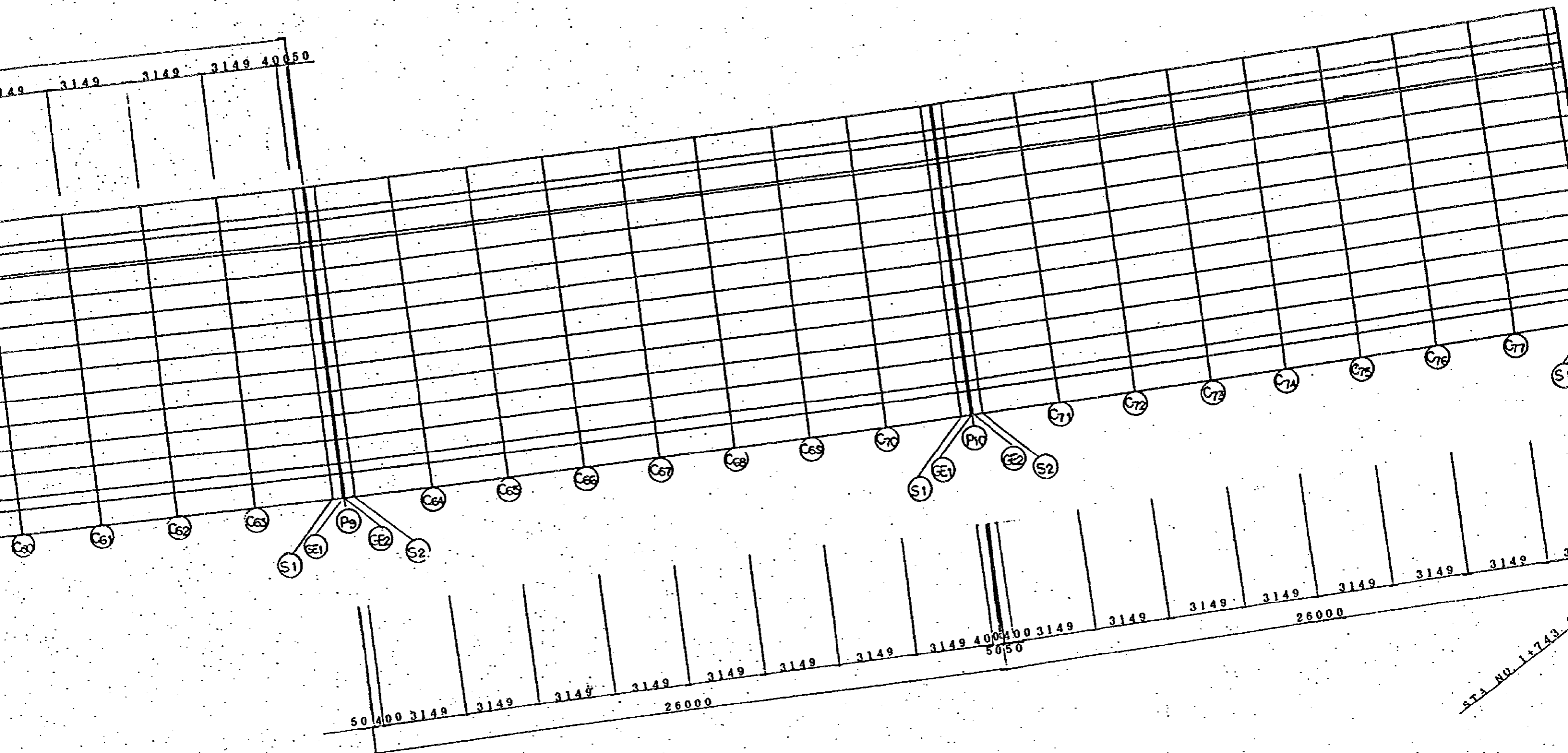


RA/14-FALAJ AL QABAIL

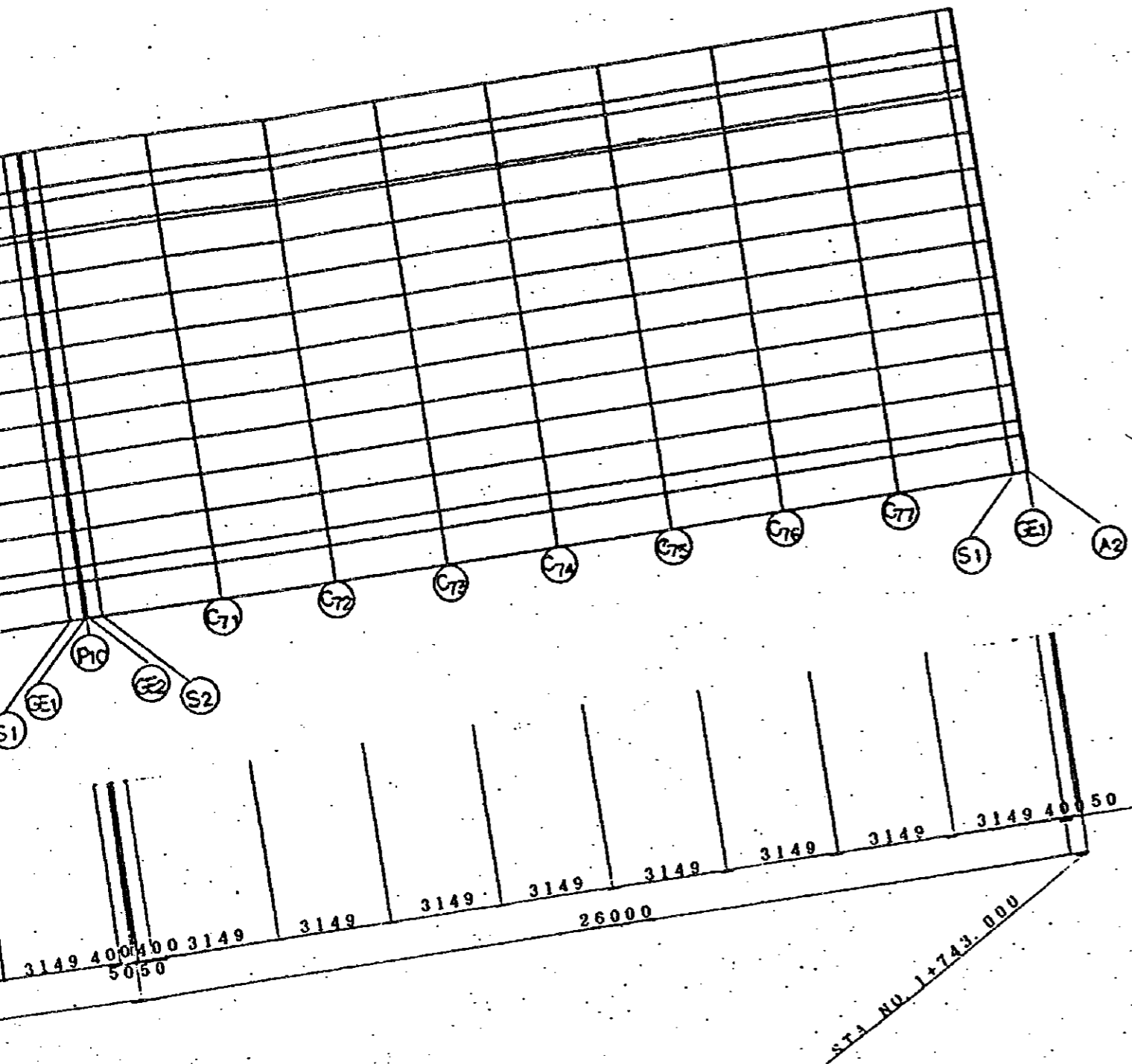
B-LINE



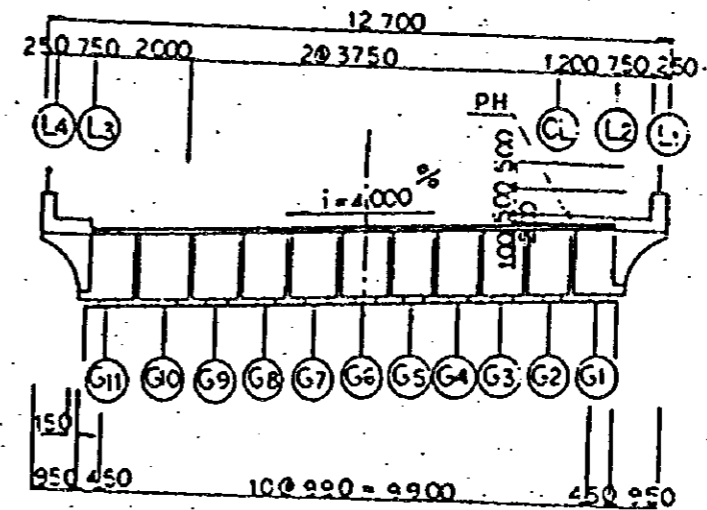




STA NO. 1+743



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 BATJNAH HIGHWAY
TITLE: FRAMING PLAN RA/14 AT B-LINE
DATE: _____ DWGNO: B-5

FALAJ AL QABAIL(B)

SECTION		A1	A1-GE1	A1-S1	C4	P1-S1	P1-GE1	P1	P1-GE2	P1-S2	C11	P2-S1	P2-GE1
STATION		1 + 457.0000	1 + 457.0500	1 + 457.4500	1 + 470.0000	1 + 482.5500	1 + 482.9500	1 + 483.0000	1 + 483.0500	1 + 483.4500	1 + 496.0000	1 + 508.5500	1 + 508.9500
L1	X	0.755	0.8046	1.2018	13.6472	26.1068	26.5049	26.5548	26.6044	27.0025	39.4758	51.9604	52.3592
	Y	6.305	6.2991	6.2516	4.8321	3.5429	3.5039	3.499	3.4942	3.4553	2.3058	1.2869	1.2565
	Z	32.7353	32.7358	32.74	32.8654	32.9764	32.9797	32.9801	32.9805	32.9838	33.0793	33.1603	33.1627
L2	X	0.6361	0.6857	1.0829	13.5391	26.0094	26.4075	26.4573	26.5071	26.9052	39.3892	51.8846	52.2834
	Y	5.3121	5.3061	5.2587	3.838	2.5477	2.5087	2.5038	2.4989	2.4601	1.3096	0.2898	0.2594
	Z	32.8753	32.8758	32.88	33.0054	33.1164	33.1197	33.1201	33.1205	33.1238	33.2193	33.3003	33.3027
CL	X	0.4934	0.5431	0.9402	13.4093	25.8926	26.2907	26.3405	26.3902	26.7884	39.2853	51.7937	52.1925
	Y	4.1208	4.1147	4.0672	2.645	1.3534	1.3144	1.3095	1.3046	1.2658	0.1141	-0.9068	-0.9372
	Z	32.9233	32.9238	32.928	33.0534	33.1644	33.1677	33.1681	33.1685	33.1718	33.2673	33.3483	33.3507
G6(PIER CENTER)	X	0	0.0497	0.4474	12.9683	25.4891	25.8868	25.9365	25.9863	26.3848	38.9322	51.4796	51.8782
	Y	0	-0.0054	-0.0486	-1.4104	-2.7721	-2.8154	-2.8208	-2.8251	-2.8598	-3.9499	-5.0401	-5.0747
	Z	33.0893	33.0898	33.0938	33.2168	33.3302	33.3337	33.3341	33.3345	33.3376	33.4304	33.5141	33.5168
L3	X	-0.636	-0.5864	-0.1892	12.3822	24.9678	25.3659	25.4157	25.4655	25.8636	38.463	51.074	51.4728
	Y	-5.312	-5.318	-5.3654	-6.7993	-8.1015	-8.1405	-8.1454	-8.1503	-8.1891	-9.3502	-10.3795	-10.4099
	Z	33.3033	33.3038	33.308	33.4334	33.5444	33.5477	33.5481	33.5485	33.5518	33.6473	33.7283	33.7307
L4	X	-0.7549	-0.7052	-0.3081	12.2741	24.8705	25.2686	25.3184	25.3681	25.7662	38.3765	50.9982	51.3971
	Y	-6.3049	-6.3109	-6.3584	-7.7934	-9.0968	-9.1358	-9.1406	-9.1455	-9.1844	-10.3465	-11.3766	-11.407
	Z	33.2433	33.2438	33.248	33.3734	33.4844	33.4877	33.4881	33.4885	33.4917	33.5873	33.6683	33.6707

NOTES:

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	P4-GE2	P4-S2
483.0000	1 + 483.0500	1 + 483.4500	1 + 496.0000	1 + 508.5500	1 + 508.9500	1 + 509.0000	1 + 509.0500	1 + 509.4500	1 + 522.0000	1 + 534.5500	1 + 534.9500	1 + 535.0000	1 + 535.0500	1 + 535.4500	1 + 548.0000	1 + 560.5500	1 + 560.9500	1 + 561.0000	1 + 561.0500	1 + 561.4500
26.5548	26.6044	27.0025	39.4758	51.9604	52.3592	52.4091	52.4589	52.8578	65.353	77.8568	78.2562	78.3061	78.356	78.7554	91.2668	103.7838	104.1836	104.2336	104.2835	104.6833
3.499	3.4942	3.4553	2.3058	1.2869	1.2565	1.2527	1.2489	1.2187	0.3397	-0.4085	-0.4303	-0.433	-0.4357	-0.4573	-1.0653	-1.5425	-1.5556	-1.5572	-1.5588	-1.5717
32.9801	32.9805	32.9838	33.0793	33.1603	33.1627	33.163	33.1632	33.1656	33.2311	33.2823	33.2837	33.2839	33.284	33.2854	33.3211	33.3423	33.3427	33.3428	33.3428	33.3433
26.4573	26.5071	26.9052	39.3892	51.8846	52.2834	52.3333	52.3832	52.782	65.2881	77.8026	78.202	78.2519	78.3019	78.7013	91.2235	103.7513	104.1511	104.2011	104.251	104.6508
2.5038	2.4989	2.4601	1.3096	0.2898	0.2594	0.2556	0.2518	0.2216	-0.6582	-1.4071	-1.4288	-1.4315	-1.4342	-1.4558	-2.0644	-2.542	-2.555	-2.5567	-2.5583	-2.5712
33.1201	33.1205	33.1238	33.2193	33.3003	33.3027	33.303	33.3032	33.3056	33.3711	33.4223	33.4237	33.4239	33.424	33.4254	33.4611	33.4823	33.4827	33.4828	33.4828	33.4833
26.3405	26.3902	26.7884	39.2853	51.7937	52.1925	52.2424	52.2922	52.6911	65.2101	77.7376	78.1371	78.187	78.2369	78.6363	91.1715	103.7123	104.1121	104.1621	104.212	104.6118
1.3095	1.3046	1.2658	0.1141	-0.9068	-0.9372	-0.941	-0.9448	-0.975	-1.8556	-2.6053	-2.627	-2.6298	-2.6325	-2.654	-3.2632	-3.7413	-3.7544	-3.756	-3.7577	-3.7706
33.1681	33.1685	33.1718	33.2673	33.3483	33.3507	33.351	33.3512	33.3536	33.4191	33.4703	33.4717	33.4719	33.472	33.4734	33.5091	33.5303	33.5307	33.5308	33.5308	33.5313
25.9365	25.9863	26.3848	38.9322	51.4796	51.8782	51.928	51.9779	52.3771	64.9451	77.5132	77.9124	77.9623	78.0123	78.4119	90.9948	103.5776	103.9773	104.0272	104.0772	104.4771
-2.8208	-2.8251	-2.8598	-3.9499	-5.0401	-5.0747	-5.079	-5.0823	-5.1083	-5.9264	-6.7444	-6.7704	-6.7737	-6.7758	-6.7932	-7.3388	-7.8844	-7.9017	-7.9039	-7.9049	-7.9136
33.3341	33.3345	33.3376	33.4304	33.5141	33.5166	33.517	33.5172	33.5194	33.5823	33.6361	33.6377	33.6379	33.638	33.6392	33.6722	33.6961	33.6967	33.6968	33.6968	33.6971
25.4157	25.4655	25.8636	38.463	51.074	51.4728	51.5227	51.5725	51.9714	64.593	77.2233	77.6227	77.6726	77.7226	78.122	90.7599	103.4036	103.8034	103.8534	103.9033	104.3031
-8.1454	-8.1503	-8.1891	-9.3502	-10.3795	-10.4099	-10.4137	-10.4175	-10.4477	-11.3356	-12.0914	-12.1131	-12.1158	-12.1185	-12.1401	-12.7543	-13.2363	-13.2494	-13.251	-13.2526	-13.2656
33.5481	33.5485	33.5518	33.6473	33.7283	33.7307	33.731	33.7312	33.7336	33.7991	33.8503	33.8517	33.8519	33.852	33.8534	33.8891	33.9103	33.9107	33.9108	33.9108	33.9113
25.3184	25.3681	25.7662	38.3765	50.9982	51.3971	51.4469	51.4968	51.8956	64.5281	77.1692	77.5686	77.6185	77.6684	78.0679	90.7166	103.3711	103.7709	103.8209	103.8708	104.2706
-9.1406	-9.1455	-9.1844	-10.3465	-11.3766	-11.407	-11.4108	-11.4146	-11.4448	-12.3335	-13.0899	-13.1116	-13.1144	-13.1171	-13.1386	-13.7534	-14.2358	-14.2489	-14.2505	-14.2521	-14.265
33.4881	33.4885	33.4917	33.5873	33.6683	33.6707	33.671	33.6712	33.6736	33.7391	33.7903	33.7917	33.7919	33.792	33.7934	33.8291	33.8503	33.8507	33.8508	33.8508	33.8513

FRAMING PLAN AT RA/14 FALAJ AL QABAIL (B-LINE)

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	C48	P7-S1	P7-GE1
+ 548.0000	+ 580.5500	+ 580.9500	+ 581.0000	+ 581.0500	+ 581.4500	+ 574.0000	+ 586.5500	+ 586.9500	+ 587.0000	+ 587.0500	+ 587.4500	+ 600.0000	+ 612.5500	+ 612.9500	+ 613.0000	+ 613.0500	+ 613.4500	+ 626.0000	+ 638.5500	+ 638.9500
91.2668	103.7838	104.1836	104.2336	104.2835	104.6833	117.2049	129.7293	130.1293	130.1793	130.2293	130.6293	143.1552	155.6811	156.0811	156.1311	156.1811	156.5811	169.1055	181.6271	182.0269
-1.0653	-1.5425	-1.5556	-1.5572	-1.5588	-1.5717	-1.9086	-2.1145	-2.1189	-2.1194	-2.12	-2.1242	-2.1897	-2.1242	-2.12	-2.1184	-2.1189	-2.1145	-1.9086	-1.5717	-1.5588
33.3211	33.3423	33.3427	33.3428	33.3428	33.3433	33.349	33.3403	33.3398	33.3398	33.3397	33.3392	33.315	33.2764	33.2749	33.2748	33.2746	33.2731	33.219	33.1505	33.1481
91.2235	103.7513	104.1511	104.2011	104.251	104.6508	117.1832	129.7185	130.1185	130.1685	130.2185	130.6184	143.1552	155.692	156.0919	156.1419	156.1919	156.5919	169.1272	181.6596	182.0594
-2.0644	-2.542	-2.555	-2.5567	-2.5583	-2.5712	-2.9084	-3.1144	-3.1188	-3.1194	-3.1199	-3.1242	-3.1897	-3.1242	-3.1199	-3.1194	-3.1188	-3.1144	-2.9084	-2.5712	-2.5583
33.4611	33.4823	33.4827	33.4828	33.4828	33.4833	33.489	33.4803	33.4798	33.4798	33.4797	33.4792	33.455	33.4164	33.4149	33.4148	33.4146	33.4131	33.359	33.2905	33.2881
91.1715	103.7123	104.1121	104.1621	104.212	104.6118	117.1572	129.7055	130.1055	130.1555	130.2055	130.6054	143.1552	155.705	156.1049	156.1549	156.2049	156.6049	169.1532	181.6986	182.0984
-3.2632	-3.7413	-3.7544	-3.756	-3.7577	-3.7706	-4.1081	-4.3144	-4.3188	-4.3193	-4.3199	-4.3241	-4.3897	-4.3241	-4.3199	-4.3193	-4.3188	-4.3144	-4.1081	-3.7706	-3.7577
33.5091	33.5303	33.5307	33.5308	33.5308	33.5313	33.537	33.5283	33.5278	33.5278	33.5277	33.5272	33.503	33.4644	33.4629	33.4628	33.4626	33.4611	33.407	33.3385	33.3361
90.9948	103.5776	103.9773	104.0272	104.0772	104.4771	117.0689	129.6606	130.0605	130.1105	130.1605	130.5605	143.1552	155.7499	156.1499	156.1999	156.2499	156.6498	169.2415	181.8333	182.2332
-7.3388	-7.8844	-7.9017	-7.9039	-7.9049	-7.9136	-8.1865	-8.4593	-8.468	-8.4691	-8.4691	-8.4691	-8.4691	-8.4691	-8.4691	-8.4691	-8.468	-8.4593	-8.1865	-7.9136	-7.9049
33.6722	33.6961	33.6967	33.6968	33.6968	33.6971	33.7002	33.6941	33.6938	33.6938	33.6937	33.693	33.6662	33.6302	33.6289	33.6288	33.6285	33.6269	33.5702	33.5043	33.5021
90.7599	103.4036	103.8034	103.8534	103.9033	104.3031	116.9514	129.6026	130.0025	130.0525	130.1025	130.5025	143.1552	155.8079	156.2079	156.2579	156.3079	156.7078	169.359	182.0073	182.4071
-12.7543	-13.2363	-13.2494	-13.251	-13.2526	-13.2656	-13.6058	-13.8138	-13.8182	-13.8188	-13.8193	-13.8236	-13.8897	-13.8236	-13.8193	-13.8188	-13.8182	-13.8138	-13.6058	-13.2656	-13.2526
33.8891	33.9103	33.9107	33.9108	33.9108	33.9113	33.917	33.9083	33.9078	33.9078	33.9077	33.9072	33.883	33.8444	33.8429	33.8428	33.8426	33.8411	33.787	33.7185	33.7161
90.7166	103.3711	103.7709	103.8209	103.8708	104.2706	116.9297	129.5917	129.9917	130.0417	130.0917	130.4917	143.1552	155.8187	156.2187	156.2687	156.3187	156.7187	169.3806	182.0398	182.4396
-13.7534	-14.2358	-14.2489	-14.2505	-14.2521	-14.265	-14.6056	-14.8137	-14.8182	-14.8187	-14.8192	-14.8235	-14.8897	-14.8235	-14.8192	-14.8187	-14.8182	-14.8137	-14.6056	-14.265	-14.2521
33.8291	33.8503	33.8507	33.8508	33.8508	33.8513	33.857	33.8483	33.8478	33.8478	33.8477	33.8472	33.823	33.7844	33.7829	33.7828	33.7826	33.7811	33.727	33.6585	33.6561

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	P9-S1	P9-GE1	P9	P9-GE2	P9-S2
1 + 613.0000	1 + 613.0500	1 + 613.4500	1 + 628.0000	1 + 638.5500	1 + 638.9500	1 + 639.0000	1 + 639.0500	1 + 639.4500	1 + 652.0000	1 + 664.5500	1 + 664.9500	1 + 665.0000	1 + 665.0500	1 + 665.4500	1 + 678.0000	1 + 690.5500	1 + 690.9500	1 + 691.0000	1 + 691.0500	1 + 691.4500
156.1311	156.1811	156.5811	169.1055	181.6271	182.0269	182.0768	182.1268	182.5266	195.0436	207.555	207.9544	208.0043	208.0542	208.4536	220.9574	233.4526	233.8515	233.9013	233.9512	234.3511
-2.1194	-2.1189	-2.1145	-1.9086	-1.5717	-1.5588	-1.5572	-1.5556	-1.5425	-1.0653	-0.4572	-0.4357	-0.433	-0.4303	-0.4085	0.3397	1.2187	1.2489	1.2527	1.2565	1.2811
33.2748	33.2746	33.2731	33.219	33.1505	33.1481	33.1478	33.1475	33.145	33.0611	32.9627	32.9593	32.9589	32.9584	32.955	32.8412	32.7128	32.7085	32.708	32.7074	32.703
156.1419	156.1919	156.5919	169.1272	181.6596	182.0594	182.1093	182.1593	182.5591	195.0869	207.6091	208.0085	208.0585	208.1084	208.5078	221.0223	233.5284	233.9272	233.9771	234.0269	234.4268
-3.1194	-3.1188	-3.1144	-2.9084	-2.5712	-2.5583	-2.5567	-2.555	-2.542	-2.0644	-1.4558	-1.4342	-1.4315	-1.4288	-1.4071	-0.6582	0.2216	0.2518	0.2556	0.2594	0.2811
33.4148	33.4146	33.4131	33.359	33.2905	33.2881	33.2878	33.2875	33.285	33.2011	33.1027	33.0993	33.0989	33.0984	33.095	32.9812	32.8528	32.8485	32.848	32.8474	32.843
156.1549	156.2049	156.6049	169.1532	181.6986	182.0984	182.1483	182.1983	182.5981	195.1389	207.6741	208.0735	208.1234	208.1733	208.5728	221.1003	233.6193	234.0181	234.068	234.1179	234.5178
-4.3193	-4.3188	-4.3144	-4.1081	-3.7706	-3.7577	-3.756	-3.7544	-3.7413	-3.2632	-2.654	-2.6324	-2.6297	-2.627	-2.6053	-1.8556	-0.975	-0.9448	-0.941	-0.9372	-0.9011
33.4628	33.4626	33.4611	33.407	33.3385	33.3361	33.3358	33.3355	33.333	33.2491	33.1507	33.1473	33.1469	33.1464	33.143	33.0292	32.9008	32.8965	32.896	32.8954	32.891
156.1999	156.2499	156.6498	169.2415	181.8333	182.2332	182.2832	182.3331	182.7328	195.3156	207.8985	208.2981	208.3481	208.398	208.7972	221.3653	233.9333	234.3325	234.3824	234.4322	234.8321
-8.4691	-8.468	-8.4593	-8.1865	-7.9136	-7.9049	-7.9038	-7.9017	-7.8844	-7.3388	-6.7932	-6.7758	-6.7737	-6.7704	-6.7444	-5.9263	-5.1083	-5.0823	-5.079	-5.0747	-5.0411
33.6288	33.6285	33.6269	33.5702	33.5043	33.5021	33.5018	33.5015	33.4989	33.4122	33.3164	33.3133	33.3129	33.3124	33.3089	33.1923	33.0666	33.0625	33.062	33.0614	33.057
156.2579	156.3079	156.7078	169.359	182.0073	182.4071	182.457	182.507	182.9068	195.5505	208.1884	208.5878	208.6378	208.6877	209.0871	221.7173	234.339	234.7379	234.7877	234.8376	235.2375
-13.8188	-13.8182	-13.8138	-13.6058	-13.2656	-13.2526	-13.251	-13.2494	-13.2363	-12.7543	-12.1401	-12.1185	-12.1158	-12.1131	-12.0914	-11.3356	-10.4477	-10.4174	-10.4137	-10.4099	-10.3711
33.8428	33.8426	33.8411	33.787	33.7185	33.7161	33.7158	33.7155	33.7131	33.6291	33.5306	33.5273	33.5269	33.5264	33.5231	33.4092	33.2808	33.2765	33.276	33.2754	33.271
156.2687	156.3187	156.7187	169.3806	182.0398	182.4396	182.4895	182.5395	182.9393	195.5938	208.2425	208.642	208.6919	208.7418	209.1412	221.7823	234.4148	234.8136	234.8635	234.9133	235.3132
-14.8187	-14.8182	-14.8137	-14.6056	-14.265	-14.2521	-14.2505	-14.2489	-14.2358	-13.7534	-13.1386	-13.117	-13.1143	-13.1116	-13.0899	-12.3334	-11.4448	-11.4146	-11.4108	-11.407	-11.3711
33.7828	33.7826	33.7811	33.727	33.6585	33.6561	33.6558	33.6555	33.6531	33.5691	33.4706	33.4673	33.4669	33.4664	33.4631	33.3492	33.2208	33.2165	33.216	33.2154	33.211

C60	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
+ 678.0000	+ 690.5500	+ 690.9500	+ 691.0000	+ 691.0500	+ 691.4500	+ 704.0000	+ 716.5500	+ 716.9500	+ 717.0000	+ 717.0500	+ 717.4500	+ 730.0000	+ 742.5500	+ 742.9500	+ 743.0000
220.9574	233.4528	233.8515	233.9013	233.9512	234.35	246.8348	259.3079	259.708	259.7558	259.8055	260.2036	272.6632	285.1086	285.5058	285.5554
0.3397	1.2187	1.2489	1.2527	1.2565	1.2869	2.3059	3.4553	3.4942	3.4991	3.5039	3.5429	4.8322	6.2516	6.2991	6.305
32.8412	32.7128	32.7085	32.708	32.7074	32.7031	32.5593	32.401	32.3957	32.3951	32.3944	32.3891	32.2154	32.0273	32.021	32.0203
221.0223	233.5284	233.9272	233.9771	234.0269	234.4258	246.9212	259.4052	259.8033	259.8531	259.9029	260.301	272.7713	285.2275	285.6247	285.6743
-0.6582	0.2216	0.2518	0.2556	0.2594	0.2898	1.3096	2.4601	2.4989	2.5038	2.5087	2.5477	3.838	5.2587	5.3062	5.3121
32.9812	32.8528	32.8485	32.848	32.8474	32.8431	32.6993	32.541	32.5357	32.5351	32.5344	32.5291	32.3554	32.1673	32.161	32.1603
221.1003	233.6193	234.0181	234.068	234.1179	234.5167	247.0251	259.522	259.9202	259.9699	260.0197	260.4178	272.9011	285.3702	285.7673	285.817
-1.8556	-0.975	-0.9448	-0.941	-0.9372	-0.9068	0.1141	1.2658	1.3046	1.3095	1.3144	1.3534	2.6451	4.0672	4.1147	4.1206
33.0292	32.9008	32.8965	32.898	32.8954	32.8911	32.7473	32.589	32.5837	32.5831	32.5824	32.5771	32.4034	32.2153	32.209	32.2083
221.3653	233.9333	234.3325	234.3824	234.4322	234.8308	247.3782	259.9256	260.3241	260.3739	260.4236	260.8213	273.3421	285.863	286.2607	286.3104
-5.9263	-5.1083	-5.0823	-5.079	-5.0747	-5.0401	-3.9499	-2.8597	-2.8251	-2.8208	-2.8154	-2.7721	-1.4104	-0.0486	-0.0054	0
33.1923	33.0666	33.0625	33.062	33.0614	33.0569	32.9104	32.7548	32.7497	32.7491	32.7484	32.743	32.5666	32.3811	32.375	32.3743
221.7173	234.339	234.7379	234.7877	234.8376	235.2364	247.8474	260.4468	260.8449	260.8947	260.9445	261.3426	273.9282	286.4996	286.8968	286.9464
-11.3356	-10.4477	-10.4174	-10.4137	-10.4099	-10.3795	-9.3502	-8.1891	-8.1502	-8.1454	-8.1405	-8.1015	-6.7993	-5.3654	-5.318	-5.312
33.4092	33.2808	33.2765	33.276	33.2754	33.2711	33.1273	32.969	32.9637	32.9631	32.9624	32.9572	32.7834	32.5952	32.589	32.5883
221.7823	234.4148	234.8136	234.8635	234.9133	235.3122	247.9339	260.5442	260.9423	260.992	261.0418	261.4399	274.0363	286.6185	287.0156	287.0653
-12.3334	-11.4448	-11.4146	-11.4108	-11.407	-11.3766	-10.3465	-9.1843	-9.1455	-9.1406	-9.1358	-9.0967	-7.7934	-6.3583	-6.3109	-6.3049
33.3492	33.2208	33.2165	33.216	33.2154	33.2111	33.0673	32.909	32.9037	32.9031	32.9024	32.8972	32.7234	32.5352	32.529	32.5283

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY OF

PROJECT: B/D ON ROAD

TITLE CO-ORDINATION

DATE

	P10-GE1	P10	P10-GE2	P10-S2	C74	A2-S1	A2-GE1	A2
01	+ 716.9500	+ 717.0000	+ 717.0500	+ 717.4500	+ 730.0000	+ 742.5500	+ 742.9500	+ 743.0000
09	259.706	259.7558	259.8055	260.2036	272.6632	285.1086	285.5058	285.5554
03	3.4942	3.4991	3.5039	3.5429	4.8322	6.2516	6.2991	6.305
01	32.3957	32.3951	32.3944	32.3891	32.2154	32.0273	32.021	32.0203
02	259.8033	259.8531	259.9029	260.301	272.7713	285.2275	285.6247	285.6743
01	2.4989	2.5038	2.5087	2.5477	3.838	5.2587	5.3062	5.3121
01	32.5357	32.5351	32.5344	32.5291	32.3554	32.1673	32.161	32.1603
02	259.9202	259.9699	260.0197	260.4178	272.9011	285.3702	285.7673	285.817
08	1.3046	1.3095	1.3144	1.3534	2.6451	4.0672	4.1147	4.1206
09	32.5837	32.5831	32.5824	32.5771	32.4034	32.2153	32.209	32.2083
06	260.3241	260.3739	260.4236	260.8213	273.3421	285.863	286.2607	286.3104
07	-2.8251	-2.8208	-2.8154	-2.7721	-1.4104	-0.0486	-0.0054	0
08	32.7497	32.7491	32.7484	32.743	32.5666	32.3811	32.375	32.3743
08	260.8449	260.8947	260.9445	261.3426	273.9282	286.4996	286.8968	286.9464
01	-8.1502	-8.1454	-8.1405	-8.1015	-6.7993	-5.3654	-5.318	-5.312
09	32.9637	32.9631	32.9624	32.9572	32.7834	32.5952	32.589	32.5883
02	260.9423	260.992	261.0418	261.4399	274.0363	286.6185	287.0156	287.0653
03	-9.1455	-9.1406	-9.1358	-9.0967	-7.7934	-6.3583	-6.3109	-6.3049
09	32.9037	32.9031	32.9024	32.8972	32.7234	32.5352	32.529	32.5283

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

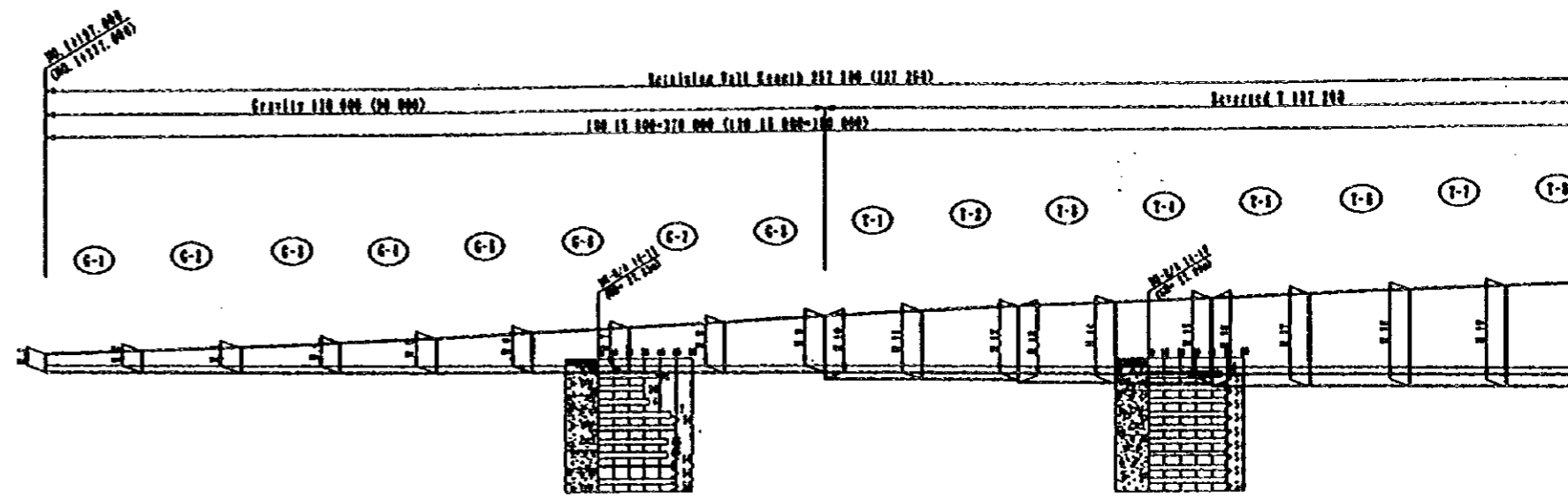
PROJECT: B/D ON ROAD DEVELOPMENT PROJECT ON BATEMAN HIGHWAY

TITLE CO-ORDINATE LIST RA/14 AT B-LINE

DATE

DWGNO.

B-6

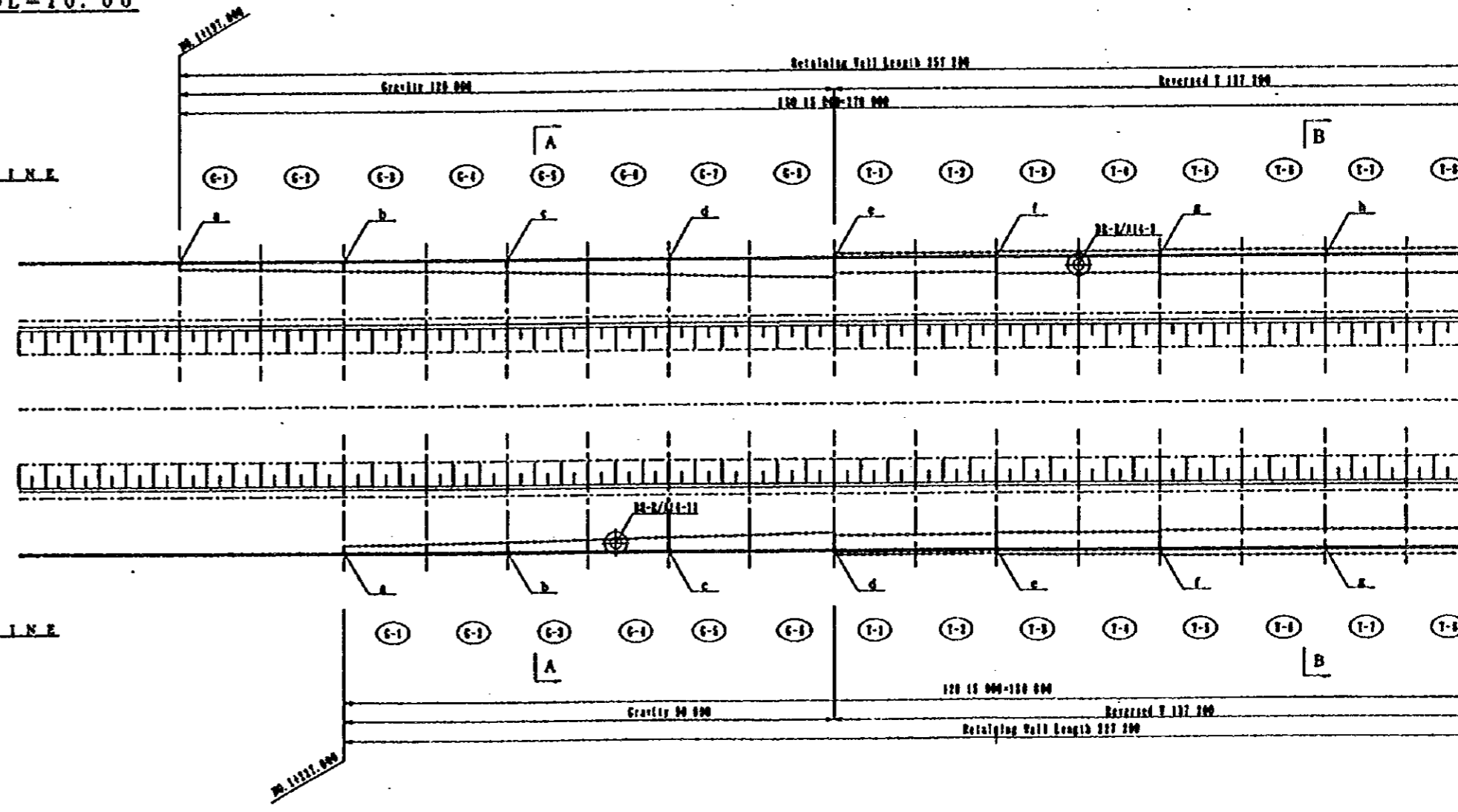


SIDE VIEW
H=1/1000
V=1/500

DL=10.00

A - LINE

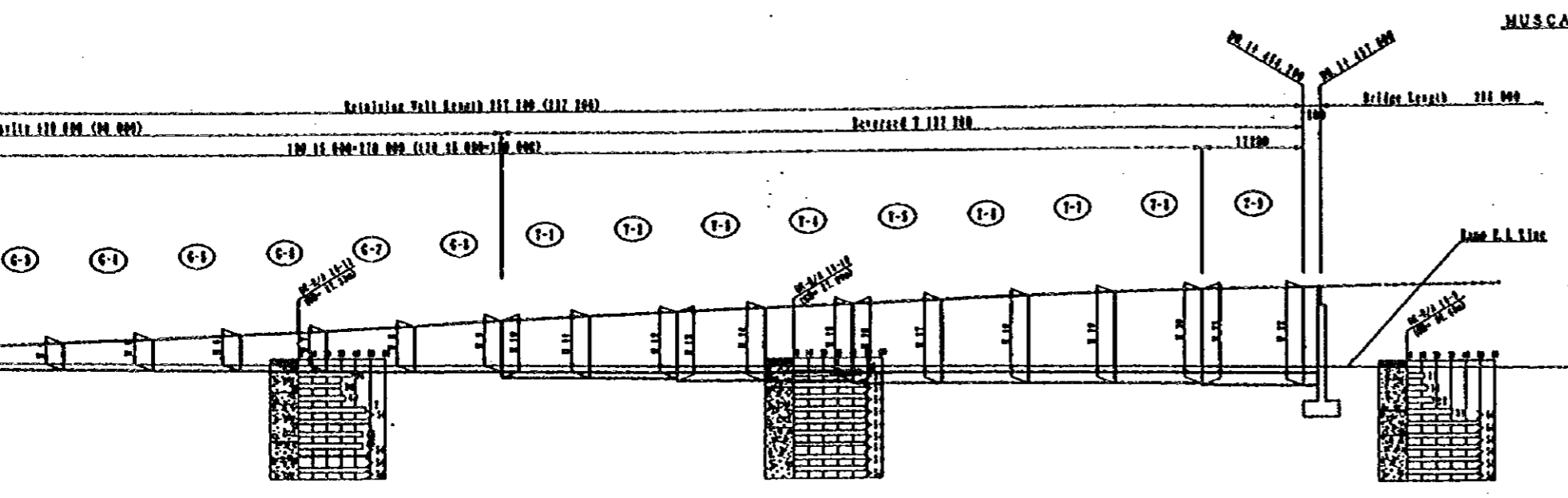
B - LINE



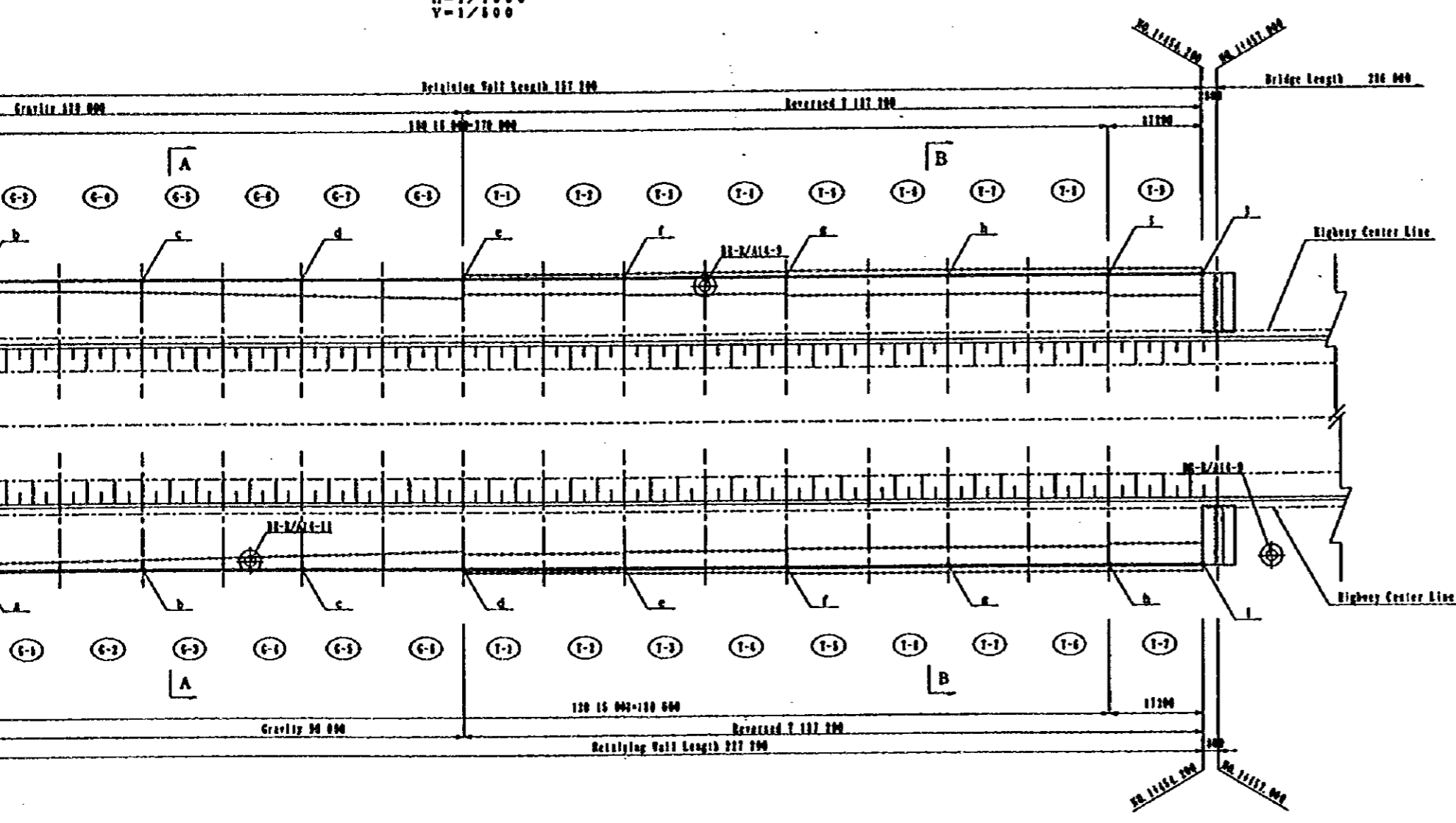
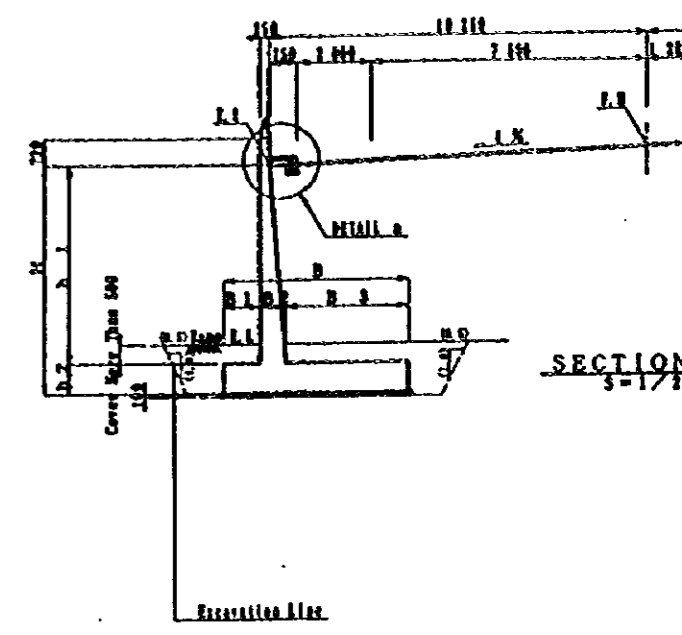
PLAN
S=1/1000

NOTES:

MUSCAT



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



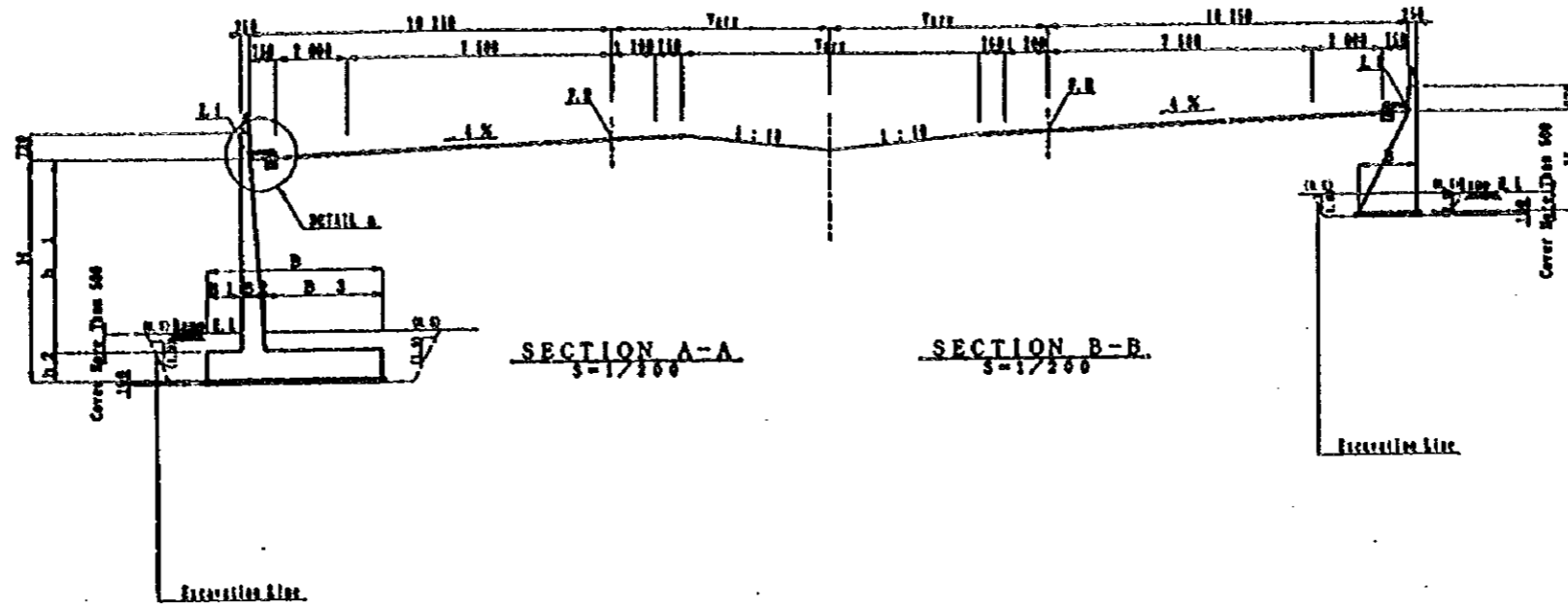
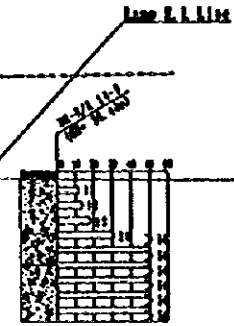
PLAN
 S=1/1000

Reversed T

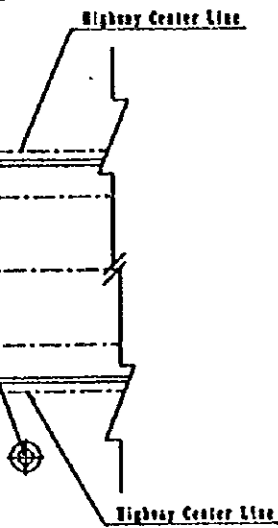
MARK TYPE	H	h 1	h 2	B	B 1	B 2	B 3
A	T-1	11-4 280	3 780	600	3 500	600	460 2 440
	T-2	11-4 616	4 110				607 2 393
	T-3	11-4 951	4 441				626 2 375
	T-4	11-5 151	4 461	700	4 000	600	644 2 656
L	T-1	11-5 448	4 745				663 2 637
	T-2	11-5 738	5 038				683 2 617
	T-3	11-5 936	5 038	600	4 500	1 000	622 2 678
	T-4	11-6 190	5 290				640 2 660
N	T-1	11-6 441	5 641				659 2 641
	T-2	11-6 651	5 761				674 2 626
	T-3	11-6 861	5 961				690 2 610
	T-4	11-7 184	6 184	1 000	6 000	1 000	736 3 264
E	T-1	11-7 384	6 384				752 3 248
	T-2	11-7 384	6 384				752 3 248
B	T-1	11-4 000	3 558	600	3 500	600	446 2 451
	T-2	11-4 416	3 916				469 2 432
	T-3	11-4 741	4 241				486 2 416
	T-4	11-5 028	4 241				486 2 416
L	T-1	11-5 228	4 628	700	4 000	600	540 2 651
	T-2	11-5 514	4 814				568 2 632
	T-3	11-5 760	4 814				584 2 616
	T-4	11-6 060	5 060	600	4 500	1 000	623 2 677
N	T-1	11-6 206	5 206				642 2 656
	T-2	11-6 410	5 510				657 2 643
	T-3	11-6 616	5 716				672 2 628
	T-4	11-7 116	6 116	1 000	6 000	1 000	731 3 269
E	T-1	11-7 316	6 316				748 3 254

MUSCAT

Bridge Length 211 000



Bridge Length 211 000

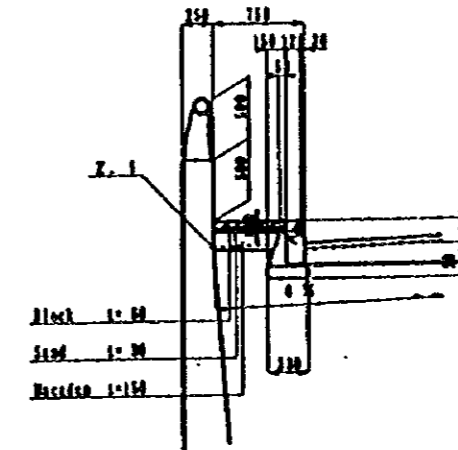


Reversed T

MARK TYPE	H	h 1	h 2	B	B 1	B 2	B 3
A I L I N E	T-1	11-4 200	3 700	500	3 500	600	480 2 440
	T-2	11-4 316	4 116				507 2 393
	T-3	11-4 431	4 451				525 2 375
	T-4	11-6 151		700	4 000	800	544 2 356
	T-5	11-6 445	4 745				563 2 337
	T-6	11-6 738	5 038				583 2 317
	T-7	11-6 936		900	4 500	1 000	622 2 278
	T-8	11-6 1190	5 290				640 2 260
	T-9	11-6 441	5 641				659 2 241
B I L I N E	T-1	11-6 551	5 751				674 2 226
	T-2	11-6 661	6 061				690 2 210
	T-3	11-7 184	6 184	1 000	5 000	1 000	738 2 264
	T-4	11-7 384	6 384				752 2 248
	T-1	11-4 089	3 589	500	3 500	600	448 2 451
	T-2	11-4 415	3 915				469 2 432
	T-3	11-4 741	4 241				485 2 415
	T-4	11-5 028	4 528				502 2 398
	T-5	11-5 328	4 828	700	4 000	800	549 2 351
E	T-1	11-5 514	4 914				568 2 332
	T-2	11-5 760	5 060				584 2 316
	T-3	11-5 960	5 360	900	4 500	1 000	623 2 277
	T-4	11-6 205	5 305				642 2 258
	T-5	11-6 410	5 510				657 2 243
	T-6	11-6 615	5 715				672 2 228
	T-7	11-7 115	6 115	1 000	5 000	1 000	731 2 269
	T-8	11-7 315	6 315				746 2 254

Gravity

MARK TYPE	H	B
A I L I N E	G-1	11-1 353 1 062
	G-2	11-1 567 1 190
	G-3	11-1 801 1 391
	G-4	11-2 050 1 480
	G-5	11-2 319 1 641
B I L I N E	G-1	11-2 644 1 836
	G-2	11-2 968 2 031
	G-3	11-3 334 2 250
	G-4	11-3 700 2 479
	G-5	11-4 088 2 705



DETAIL A
5-1/60

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
PCKUTAMA CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

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

TITLE : R/A-14, FALAJ AL QABAIL GENERAL VIEW FOR WALL (S)-1

DATE : DYC NO. W-1

Point		a	b	c	d	e	f	g	h	i	j	k
A L L I M E	N	+2701608.58884	+2701582.35836	+2701556.50803	+2701531.05469	+2701506.01494	+2701481.40509	+2701457.24119	+2701433.53897	+2701410.31390	+2701387.58111	+2701372.70673
	E	+460342.98251	+460356.93974	+460372.16181	+460388.03879	+460404.56035	+460421.71572	+460439.49371	+460457.88273	+460476.87081	+460496.44557	+460509.81506
	Z	27.736	28.053	28.481	29.019	29.668	30.400	31.071	31.658	32.161	32.581	32.813
B I L I M E	N	+2701530.56563	+2701505.22400	+2701480.28801	+2701455.77296	+2701431.69391	+2701408.06565	+2701384.90269	+2701362.21926	+2701347.37027		
	E	+460346.24864	+460362.30342	+460378.98126	+460396.27190	+460414.16473	+460432.64875	+460451.71263	+460471.34464	+460484.74234		
	Z	29.118	29.633	30.269	30.988	31.641	32.214	32.705	33.115	33.343		

NOTES:

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

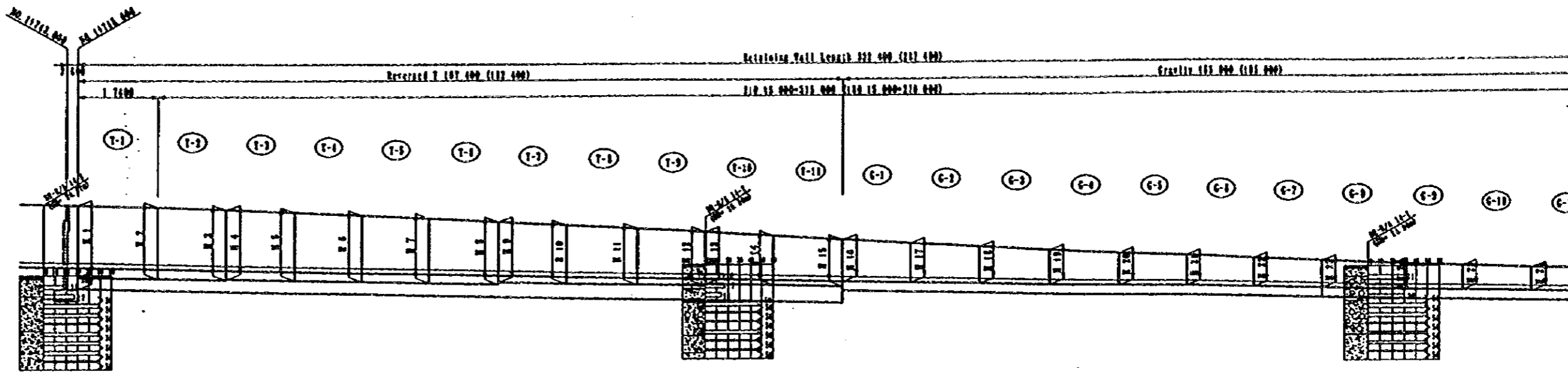
JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
ELKUTAMA CONSULTANTS INTERNATIONAL

CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

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

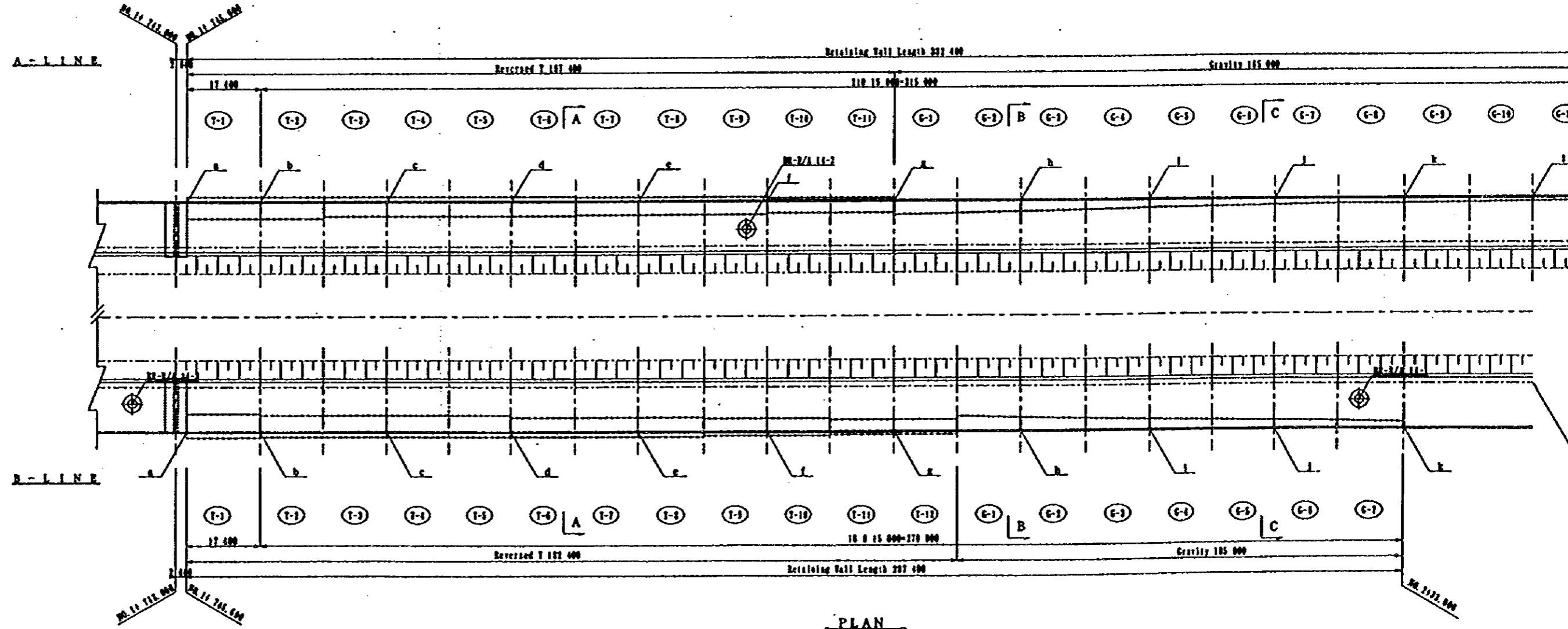
TITLE : R/A-14, FALAJ AL QABAIL GENERAL VIEW FOR WALL (1)-2

DATE : DWG NO. W-2



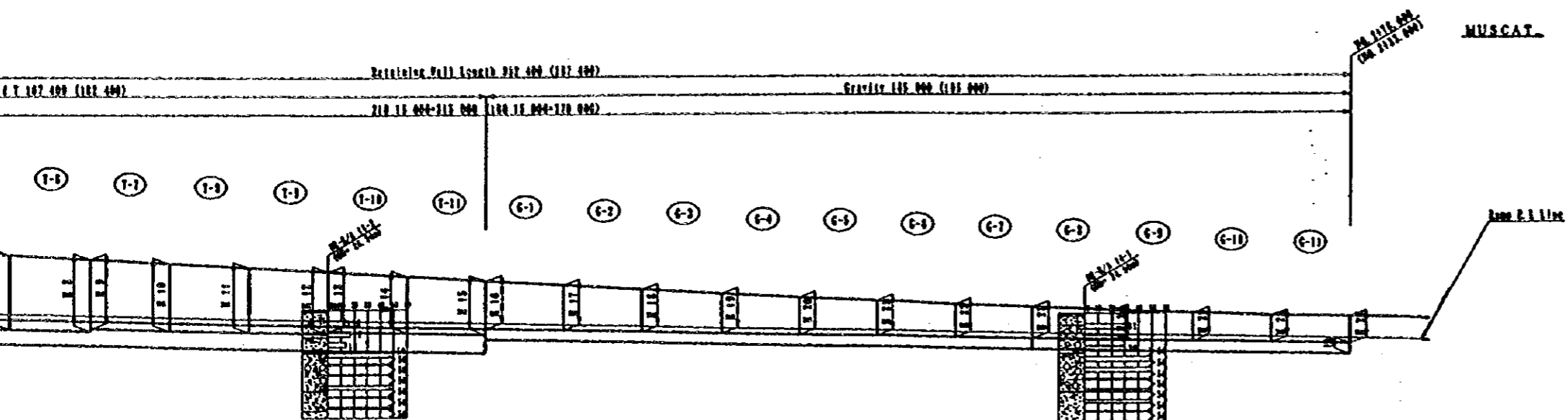
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SIDE VIEW
 H=1/1000
 V=1/500

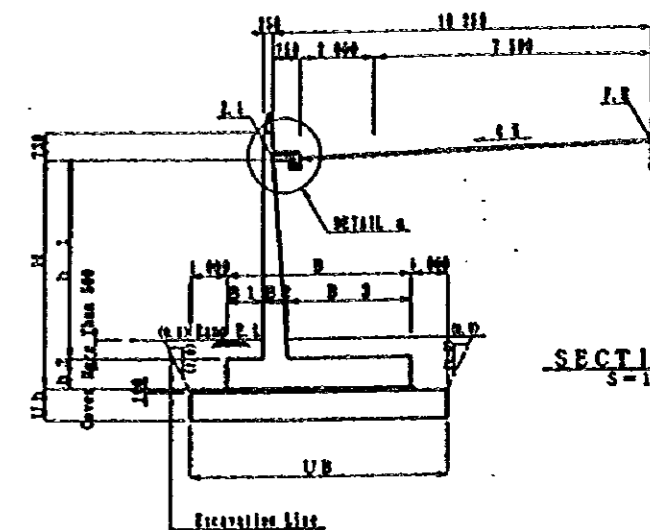


PLAN
 5-1/1000

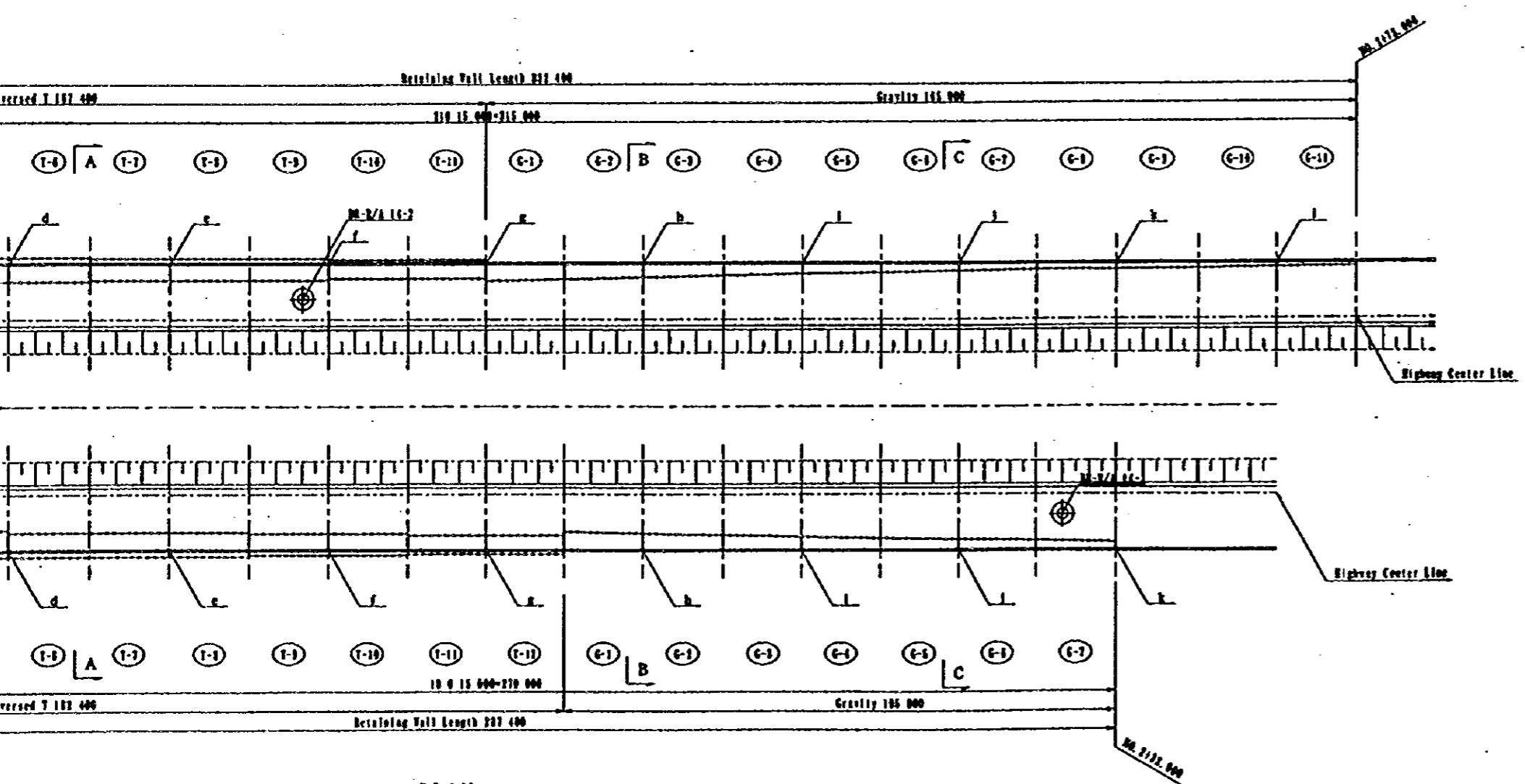
NOTES:



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



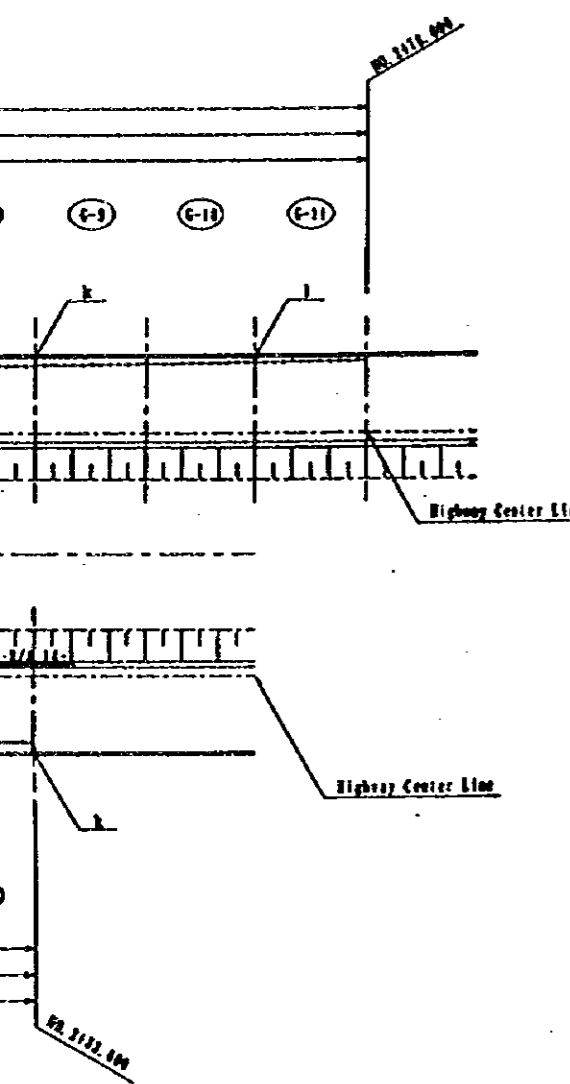
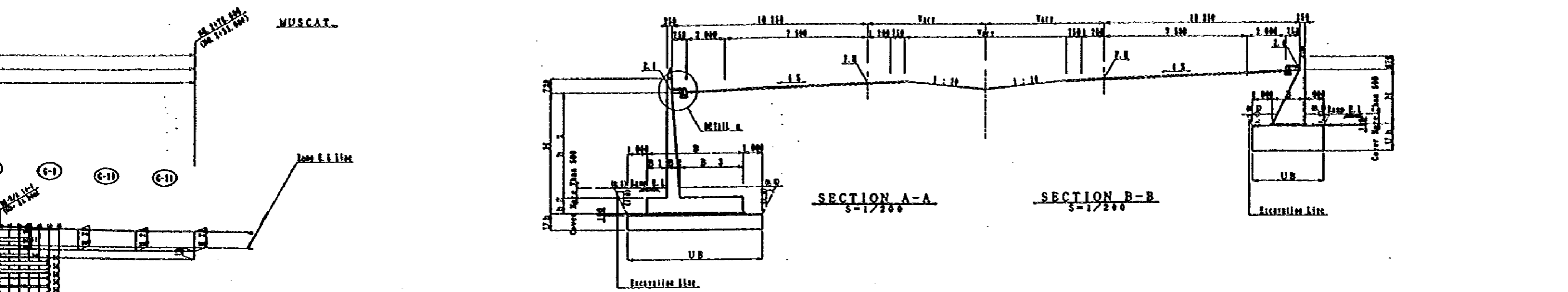
SECTION
5-1/1000



PLAN
5-1/1000

Reversed T

MARK TYPE	H	h 1	h 2	B	B 1	B 2
A I L I N E	T-1	21-7 935	6 935	1 000	5 000	1 000
	T-2	2-7 235	6 235			
	T-3	3-7 930	6 930			
	T-4	4-6 930	6 930	900	4 500	1 000
	T-5	5-6 724	6 824			
	T-6	6-6 477	6 577			
	T-7	7-6 220	6 320			
	T-8	8-5 940	6 640			
	T-9	9-5 740	6 640	700	4 000	800
	T-10	10-5 459	4 759			
	T-11	11-5 137	4 437			
B I L I N E	T-1	21-6 565	7 465	1 100	5 500	1 200
	T-2	2-7 871	6 771			
	T-3	3-7 771	6 771	1 000	5 000	1 000
	T-4	4-7 572	6 572			
	T-5	5-7 372	6 372			
	T-6	6-7 132	6 132			
	T-7	7-6 882	5 882	900	4 500	1 000
	T-8	8-6 782	5 882			
	T-9	9-6 685	5 785			
	T-10	10-6 587	5 687			
	T-11	11-6 488	5 687			
C I L I N E	T-1	12-5 868	5 168	700	4 000	800
	T-2	13-5 348	4 848			
	T-3	14-4 717	4 617	500	3 500	600
	T-4	15-4 517	4 617			
	T-5	16-4 409	3 909			
	T-6	17-4 037	3 587			

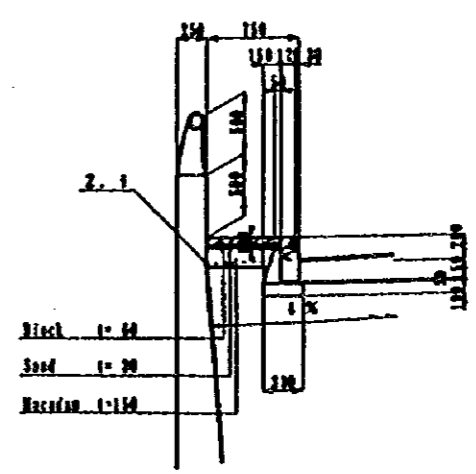


Reversed T

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	11-7 935	6 935	1 000	5 000	1 000	795 3 205	2 500	7 000
	T-2	11-7 235	6 235				740 3 260		
	T-3	11-7 630	6 630				726 3 376		
	T-4	11-6 930	6 930	900	4 500	1 000	695 2 805	2 600	6 500
	T-5	11-6 724	6 724				680 2 820		
	T-6	11-6 477	6 477				662 2 838		
	T-7	11-6 220	6 220				643 2 857		
	T-8	11-5 940	6 940				622 2 876		
	T-9	11-5 740	6 740	700	4 000	800	583 2 817	2 800	6 000
	T-10	11-5 459	4 759				564 2 836		
	T-11	11-5 137	4 437				543 2 857		
B I L I N E	T-1	11-4 814	4 114	500	3 500	600	539 2 361	3 000	5 500
	T-2	11-4 250	3 750				459 2 441		
	T-3	11-3 894	3 394				439 2 461		
	T-4	11-3 565	7 465	1 100	5 500	1 200	864 3 436	2 500	7 500
	T-5	11-3 271	6 771				807 3 493		
	T-6	11-3 771	6 771	1 000	5 000	1 000	782 3 218	2 600	7 000
	T-7	11-3 572	6 572				767 3 233		
	T-8	11-3 372	6 372				751 3 249		
	T-9	11-3 132	6 132				732 3 268		
	T-10	11-2 782	6 882	900	4 500	1 000	684 2 816	2 700	6 500
	T-11	11-2 585	6 785				677 2 823		
E	T-1	11-2 387	6 687				670 2 830		
	T-2	11-2 088	6 687				631 2 869		
	T-3	11-1 868	6 168	700	4 000	800	591 2 809	2 800	6 000
	T-4	11-1 648	4 648				567 2 843		
	T-5	11-1 417	4 617				515 2 685		
	T-6	11-1 217	4 617	800	3 500	600	473 2 427	3 000	6 500
	T-7	11-1 409	3 909				467 2 433		
	T-8	11-1 087	3 887				443 2 451		

Gravity

MARK TYPE	H	B	U h	U B	
A I L I N E	G-1	11-3 394	2 286	2000	4 286
	G-2	11-3 063	2 100		4 100
	G-3	11-2 751	1 901		3 901
	G-4	11-2 435	1 711		3 711
	G-5	11-2 118	1 521		3 521
	G-6	11-1 876	1 376		3 376
	G-7	11-1 633	1 067		3 067
	G-8	11-1 405	1 093		3 093
	G-9	11-1 417	1 100		3 417
	G-10	11-1 224	984		3 224
	G-11	11-1 030	868		3 030
B I L I N E	G-1	11-3 587	2 402	2000	4 402
	G-2	11-3 244	1 872		3 872
	G-3	11-2 940	1 720		3 720
	G-4	11-2 635	1 491		3 491
	G-5	11-2 367	1 670		3 670
	G-6	11-2 098	1 509		3 509
	G-7	11-1 836	1 232		3 232



DETAIL 2
S=1/200

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-14, FALAJ AL QABAIL GENERAL VIEW FOR WALL (2)-1
	DATE : _____ DWG NO. W-20

Point	a	b	c	d	e	f	g	h	i	j	k	l	
A L I N E	N	+2701188.48694	+2701177.52020	+2701161.60775	+2701146.34966	+2701131.74766	+2701117.77411	+2701104.39232	+2701091.56387	+2701079.24836	+2701067.40610	+2701055.99330	+2701044.96127
	E	+460724.35590	+460741.08076	+460766.51194	+460792.34100	+460818.54755	+460845.09449	+460871.94458	+460899.06341	+460926.41922	+460953.98276	+460981.72709	+461009.62739
	Z	32.098	31.765	31.194	30.540	29.819	29.014	28.144	27.321	26.568	25.883	25.267	24.720
B L I N E	N	+2701159.91124	+2701148.91951	+2701132.95323	+2701117.62122	+2701110.19581	+2701088.85604	+2701075.36798	+2701062.42915	+2701050.00213	+2701038.04810	+2701026.52705	+2701015.39792
	E	+460703.14462	+460719.85308	+460745.25056	+460771.03590	+460784.06897	+460823.68560	+460850.48247	+460877.54881	+460904.85392	+460932.36939	+460960.06895	+460987.92828
	Z	32.628	32.301	31.742	31.102	30.747	29.548	28.659	27.814	27.045	26.348	25.726	25.179

NOTES:

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

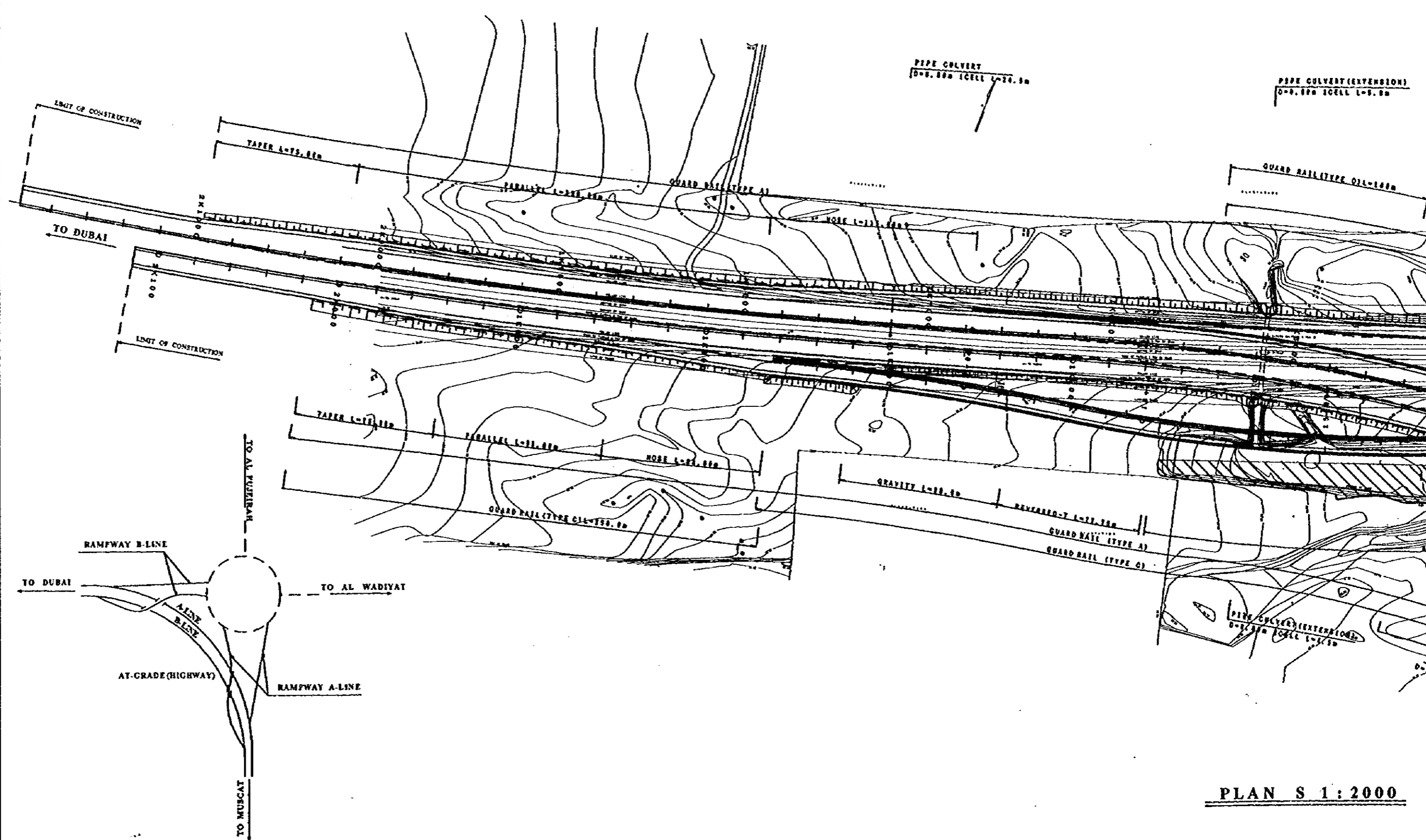
CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS

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

TITLE : R/A-14, FALAJ AL QABAIL GENERAL VIEW FOR WALL (2)-2

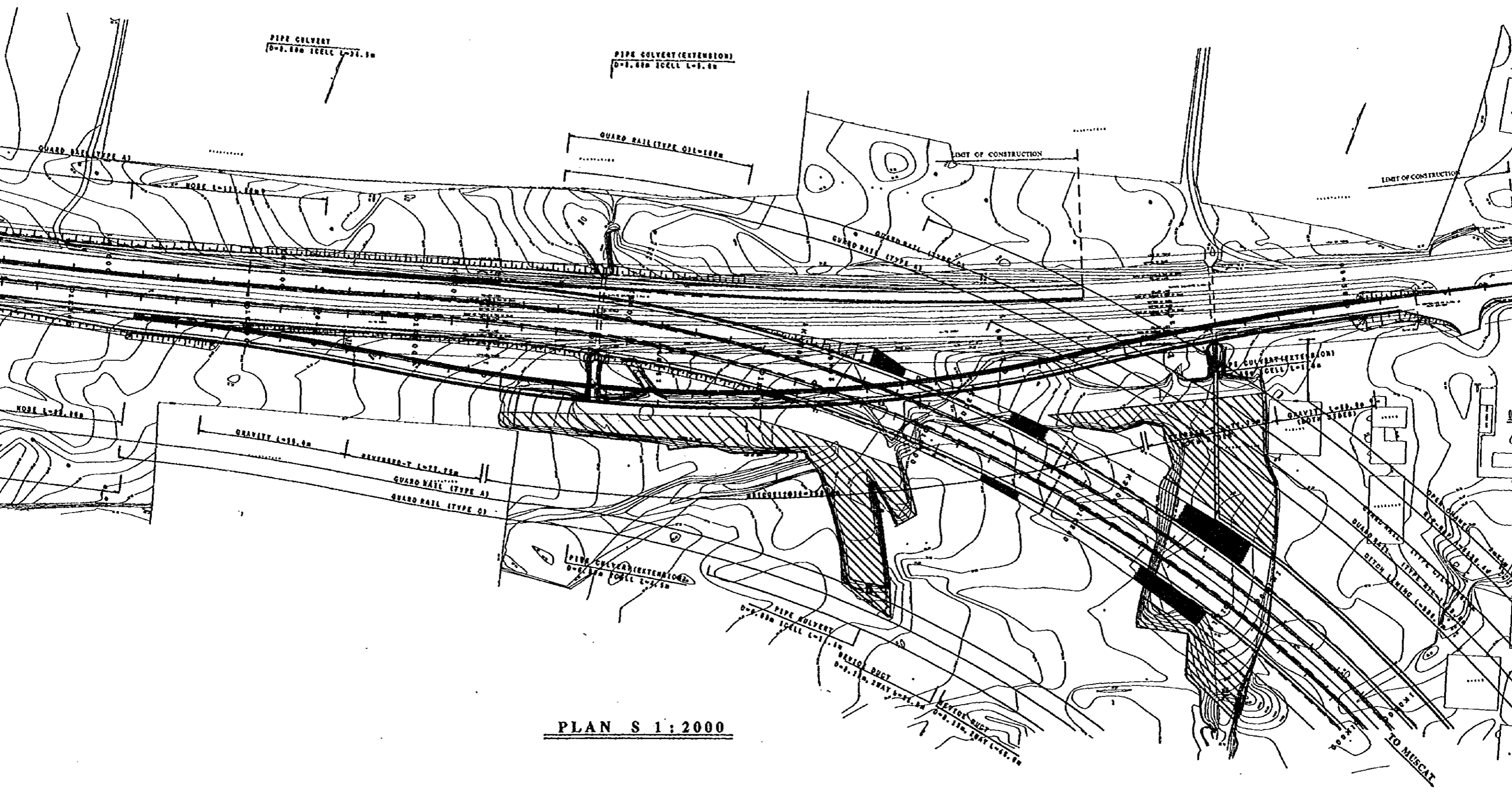
DATE : DWG NO. W-21

Agz
FLYOVER



PLAN S 1 : 2000

NOTES: (1) SHADED REGION REPRESENTS FILLING AT WADI SPREAD AREA EXCEPTING RIGHT-OF-WAY WHICH IS OUT OF SCOPE UNDER THIS PROJECT.



PLAN S 1:2000

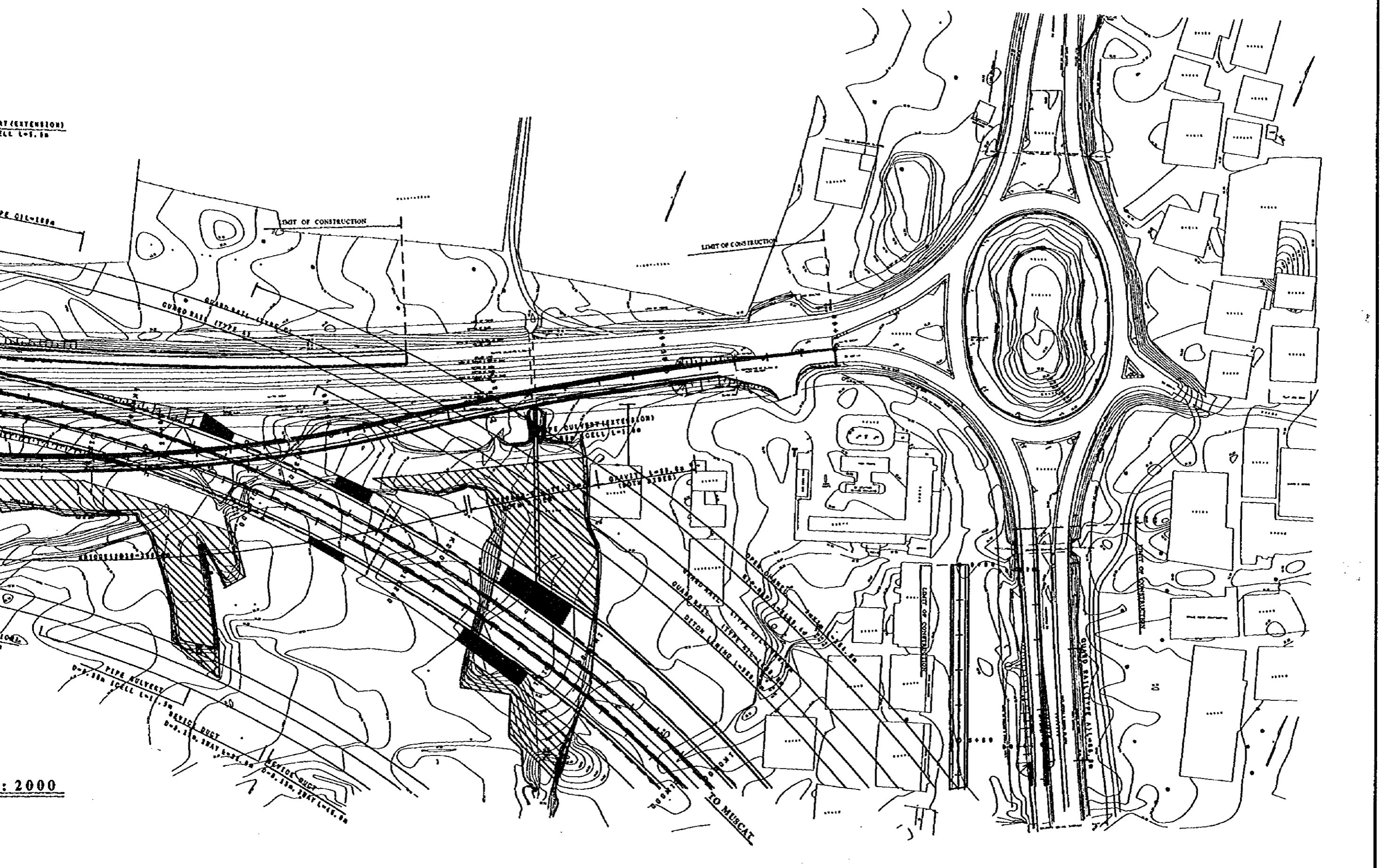
OUT OF SCOPE UNDER THIS PROJECT.

JAPAN INTERNATIONAL CO
 (JICA)
 JICA STUDY T
 PACIFIC CONSULTANTS IN
 FUKUYAMA CONSULTANTS

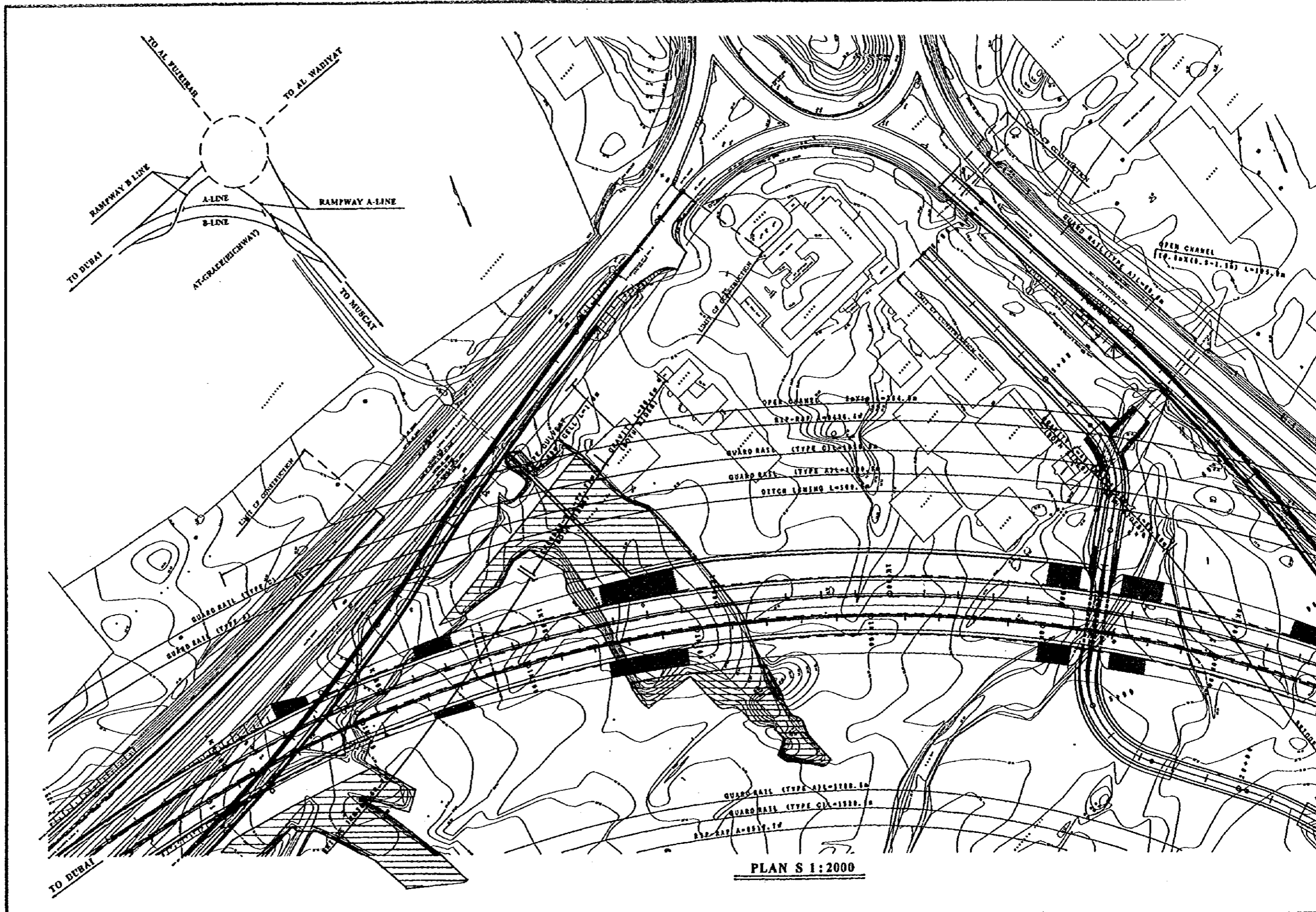
EXTENSION)
CELL L-1. 10

PE. 011-1000

: 2000



JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS	
JICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL	PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY	
	TITLE RA/10 AQR PLAN (1/3)	
	DATE	DWGNO. R-5



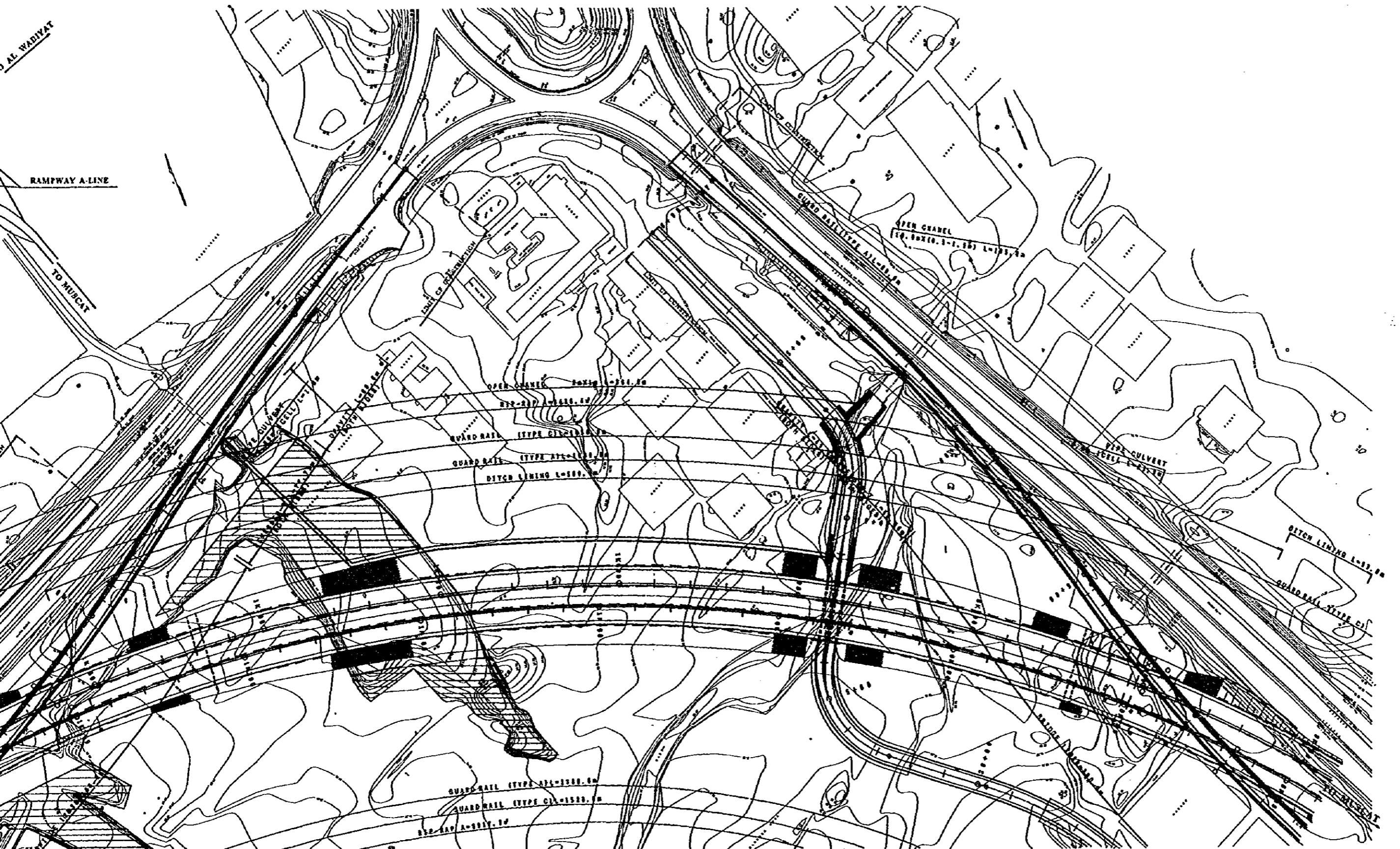
NOTES: (1) SHADED REGION REPRESENTS FILLING AT WADI SPREAD AREA EXCEPTING RIGHT-OF-WAY WHICH IS OUT OF SCOPE UNDER THIS PROJECT.

JAPAN INTERNATIONAL COOPERATION AGENCY	CLIENT: MINIST
(JICA)	PROJECT: D/D ON
JICA STUDY TEAM	TITLE RA/18 A
PACIFIC CONSULTANTS INTERNATIONAL	DATE
FUKUYAMA CONSULTANTS INTERNATIONAL	

AL WADIYAT

RAMPWAY A-LINE

TO MURCAT

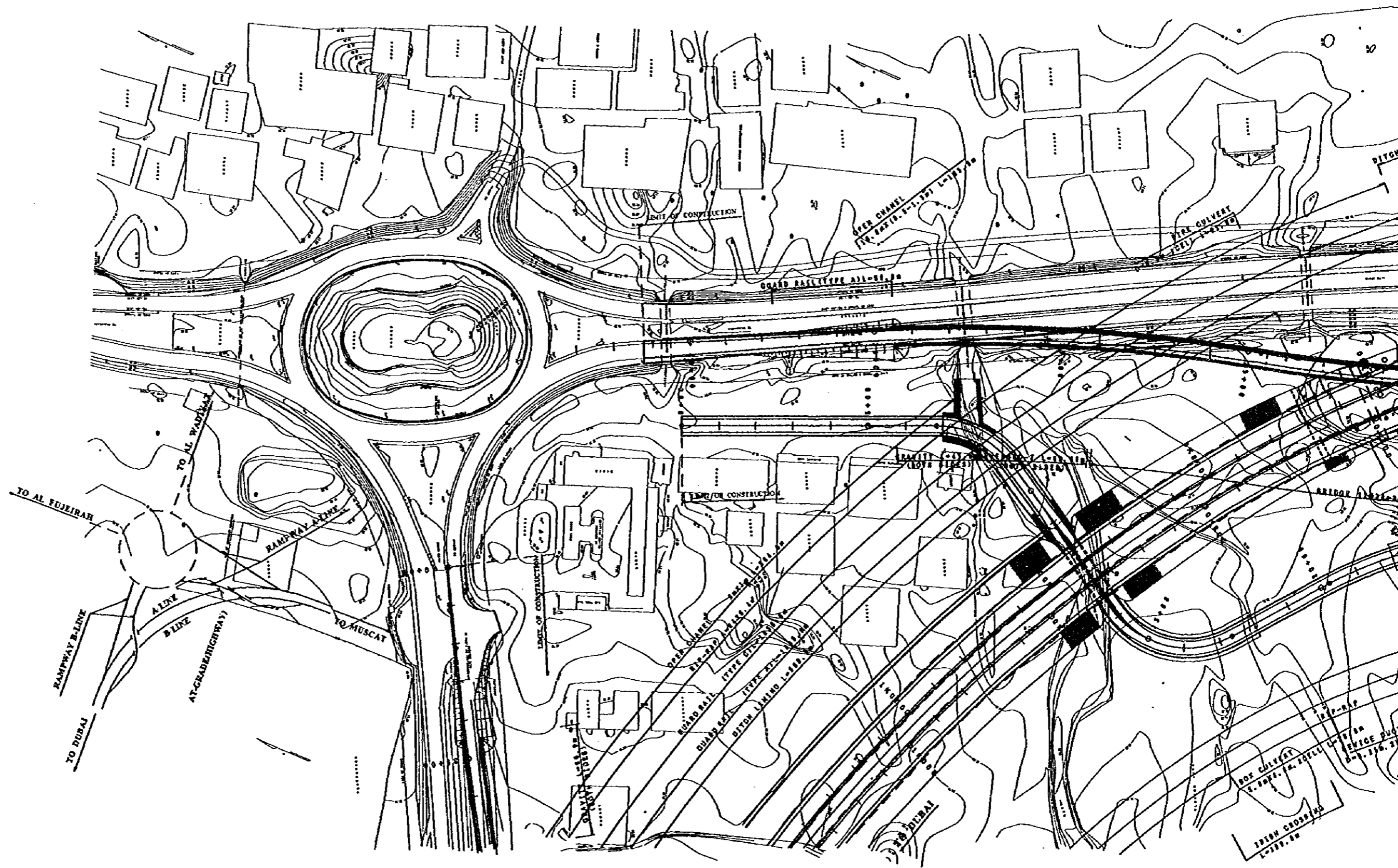


PLAN S 1:2000

SPREAD AREA EXCEPTING RIGHT-OF-WAY

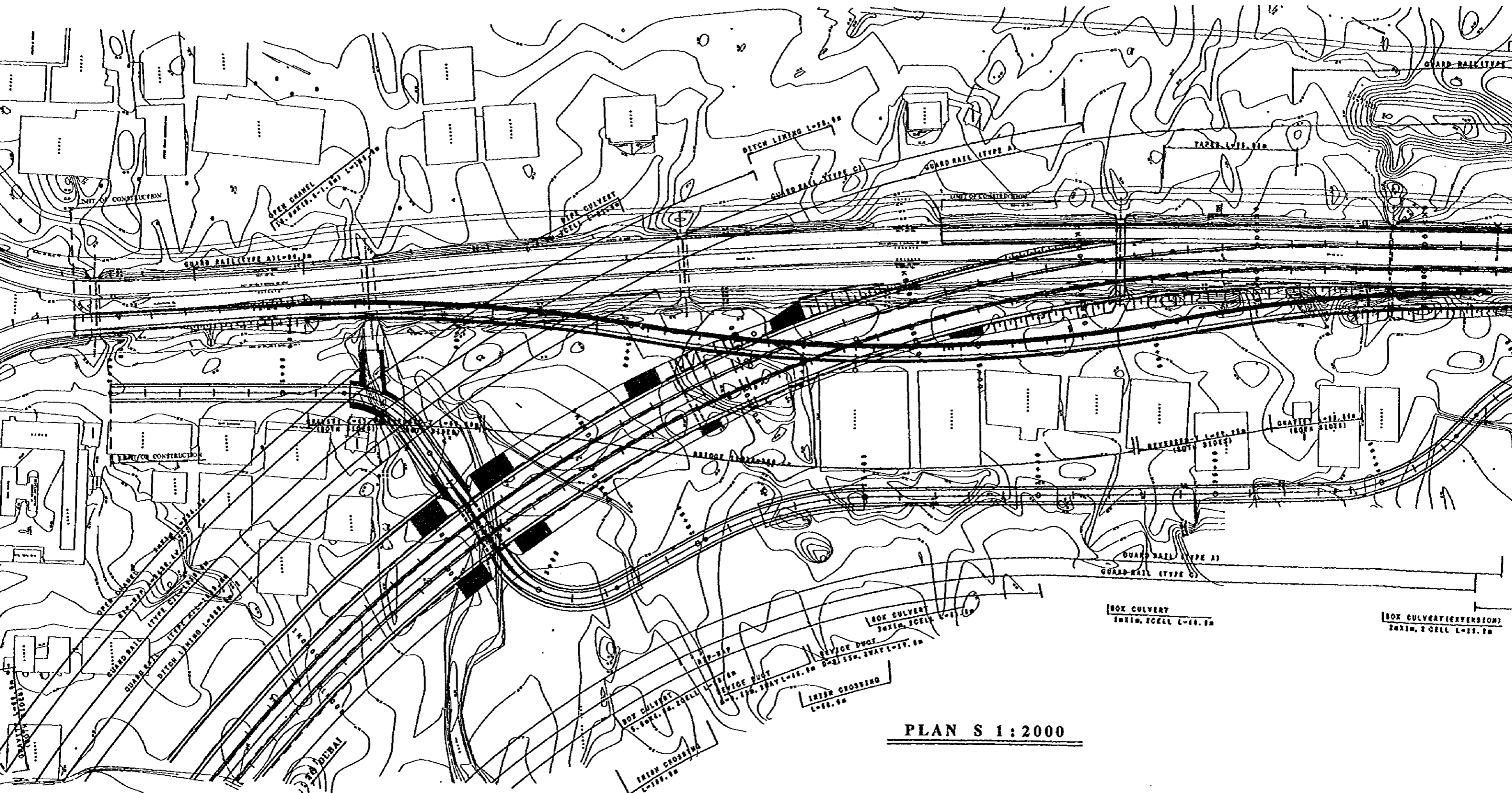
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)
JICA STUDY TEAM
PACIFIC CONSULTANTS INTERNATIONAL
FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS
PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY
TITLE: RA/18 AQR PLAN (2/3)
DATE: _____ DWGNO. R-6



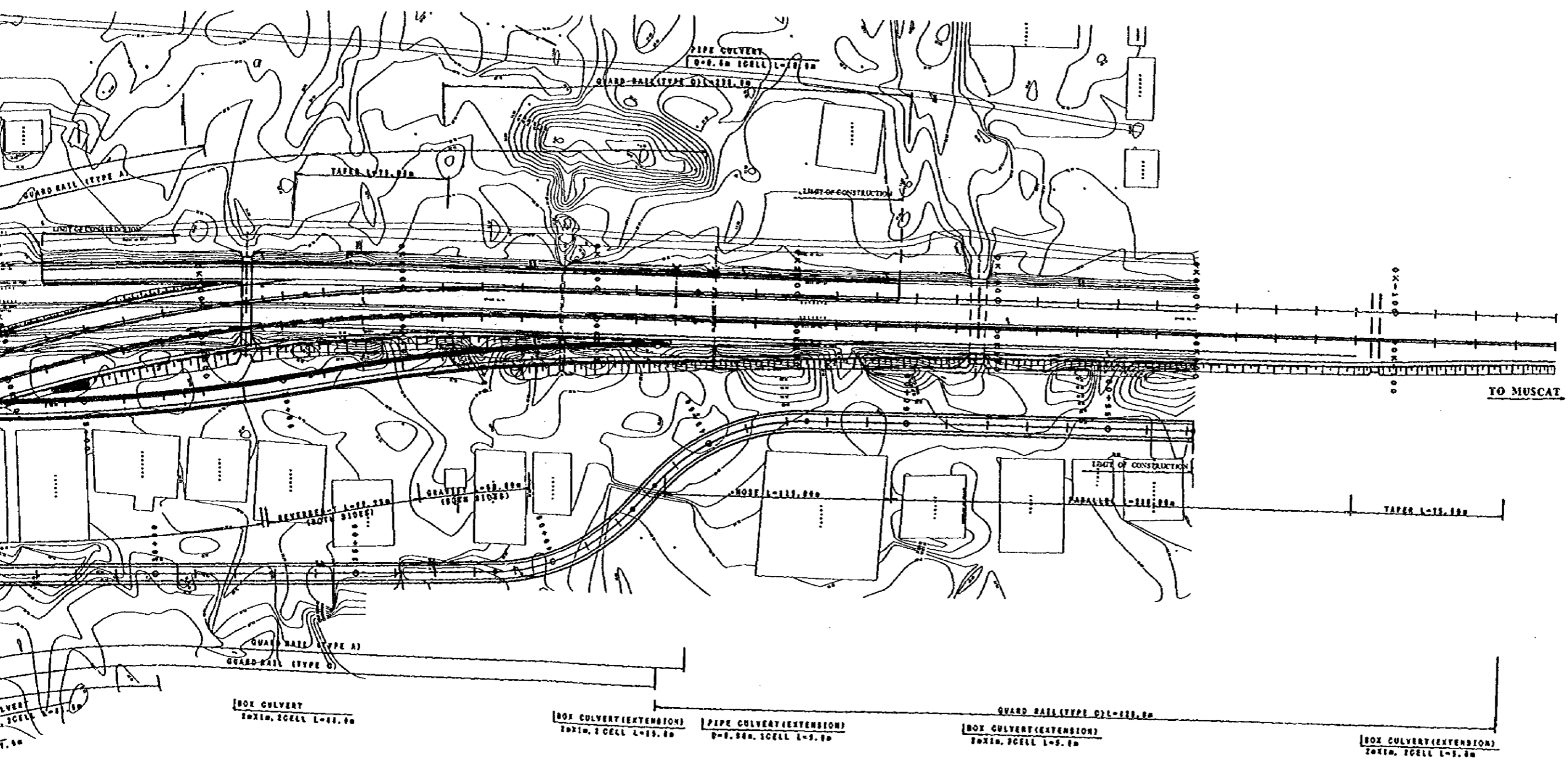
NOTES:

(1) SHADED REGION REPRESENTS FILLING AT WADI SPREAD AREA EXCEPTING RIGHT-OF-WAY WHICH IS OUT OF SCOPE UNDER THIS PROJECT.



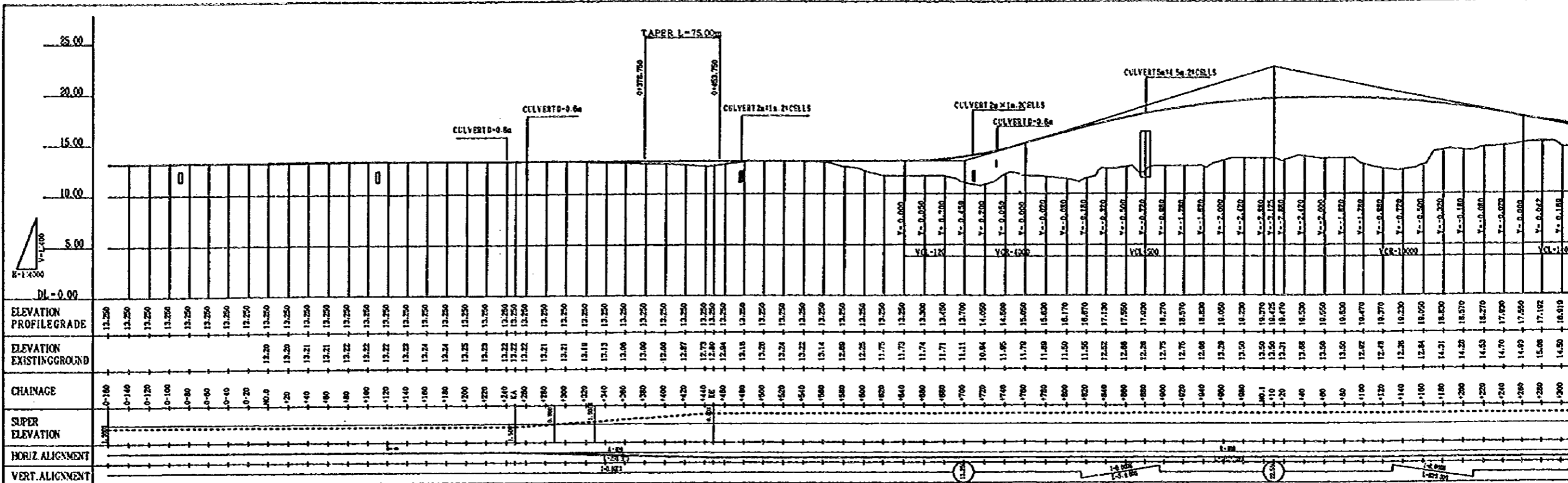
PLAN S 1:2000

OF SCOPE UNDER THIS PROJECT.

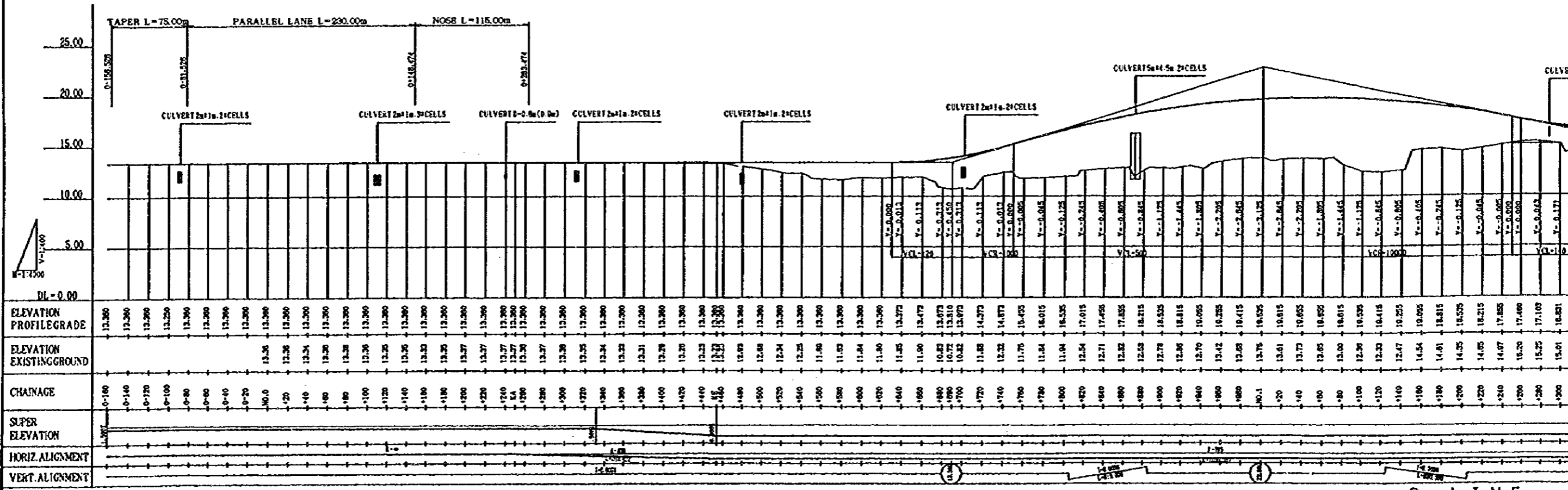


PLAN S 1:2000

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/18 AQR PLAN (3/3)	DATE
DWGNO. R-7	

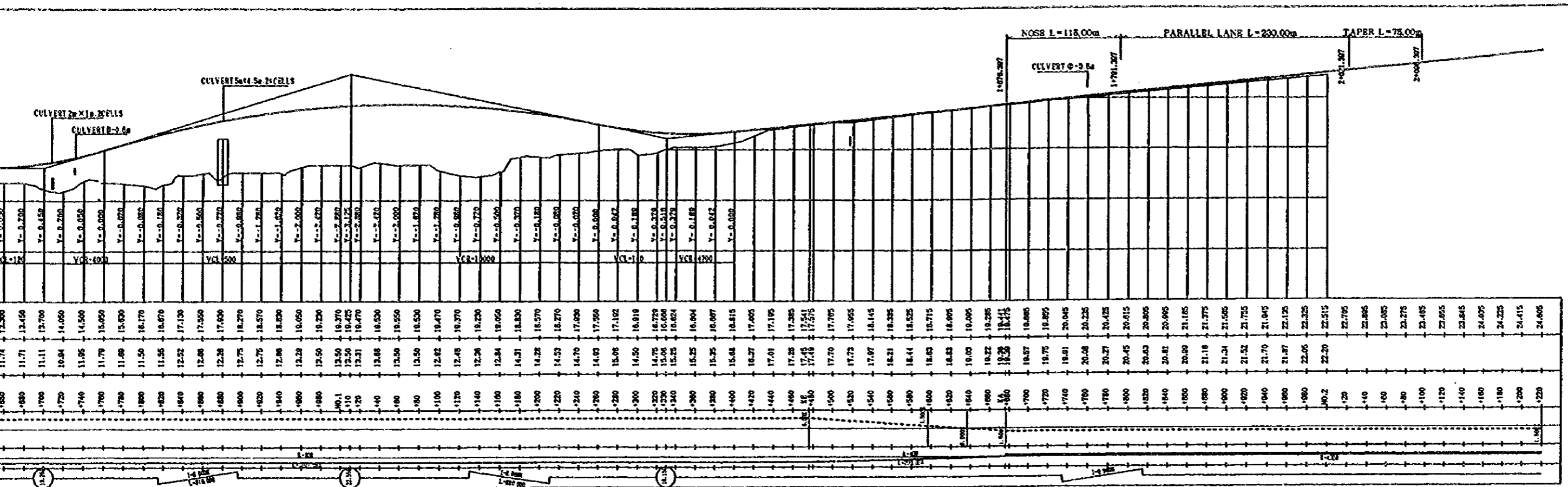


A - LINE

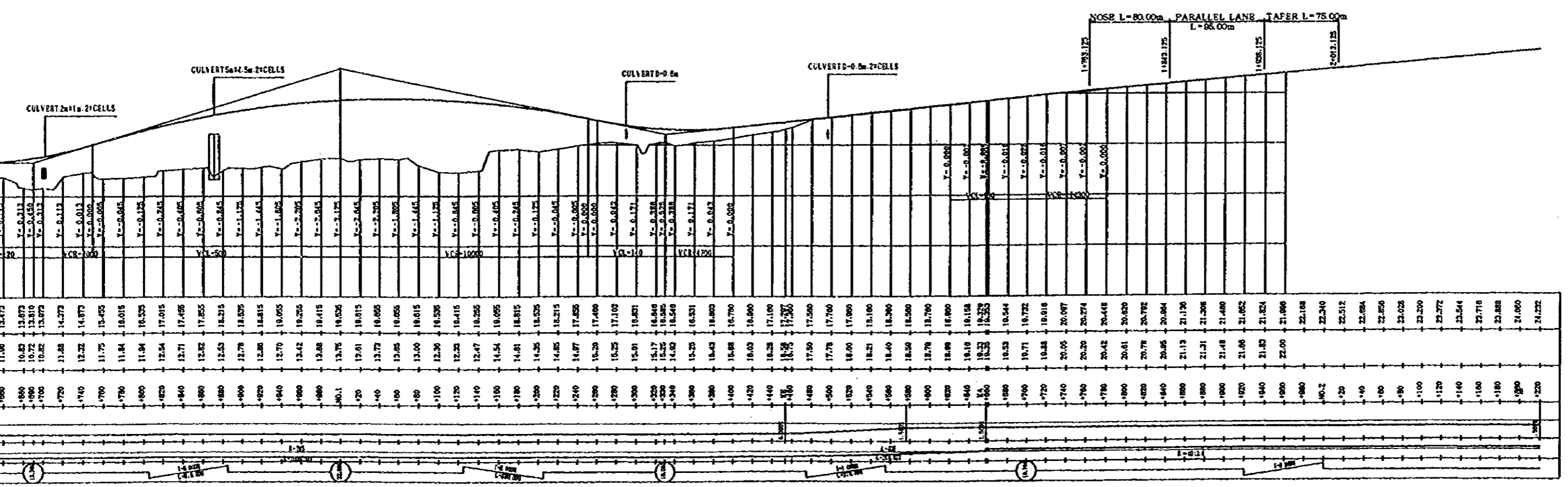


B - LINE

NOTES:



A - LINE



B - LINE

JAPAN INTERNATIONAL COOPERATION AGENCY		CLIENT : MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS	
(JICA)		PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY	
JICA STUDY TEAM		TITLE RA/18 AQR PROFILE-HIGHWAY	
PACIFIC CONSULTANTS INTERNATIONAL		DATE	
FUKUYAMA CONSULTANTS INTERNATIONAL		DWGNO. R-8	