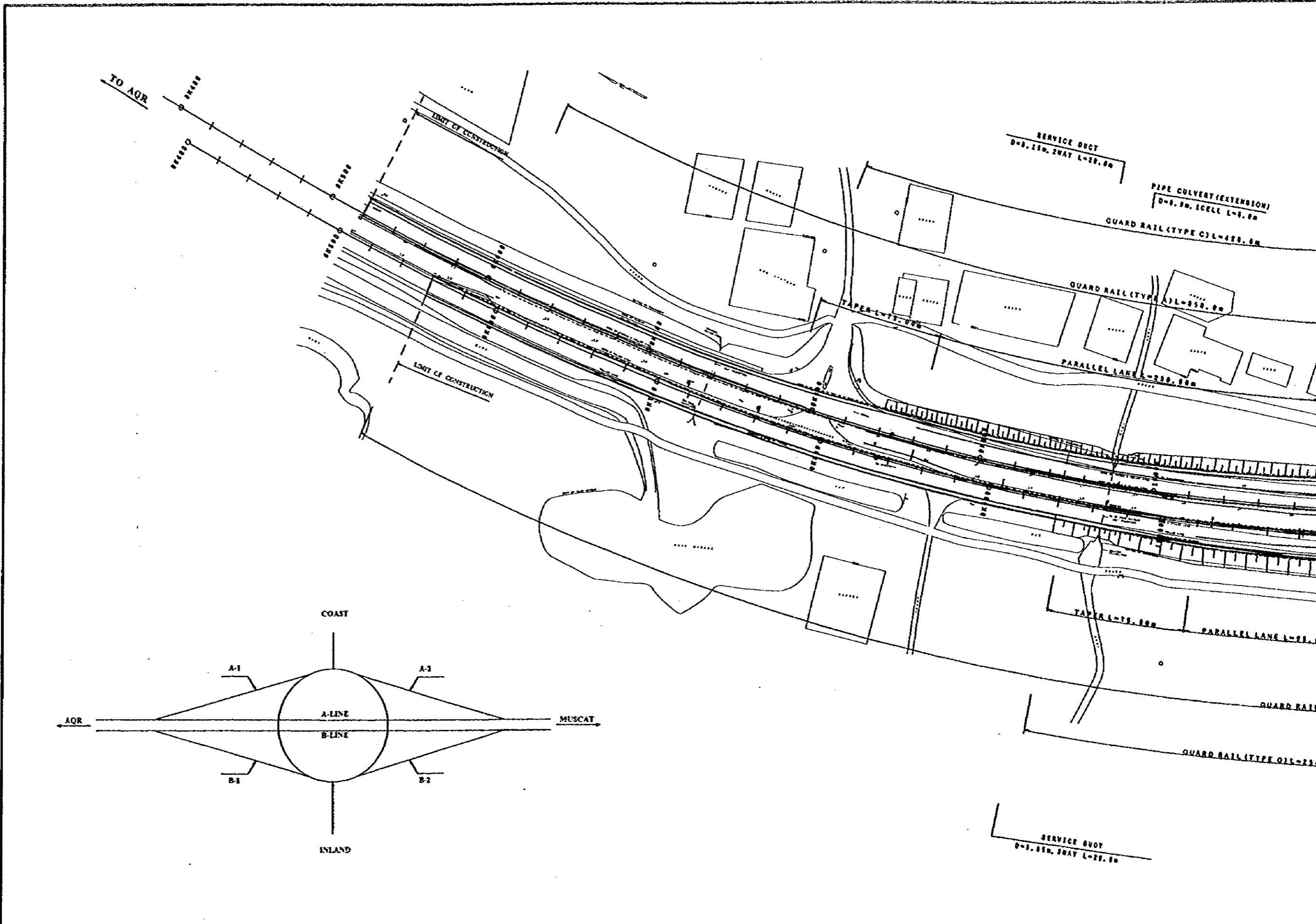
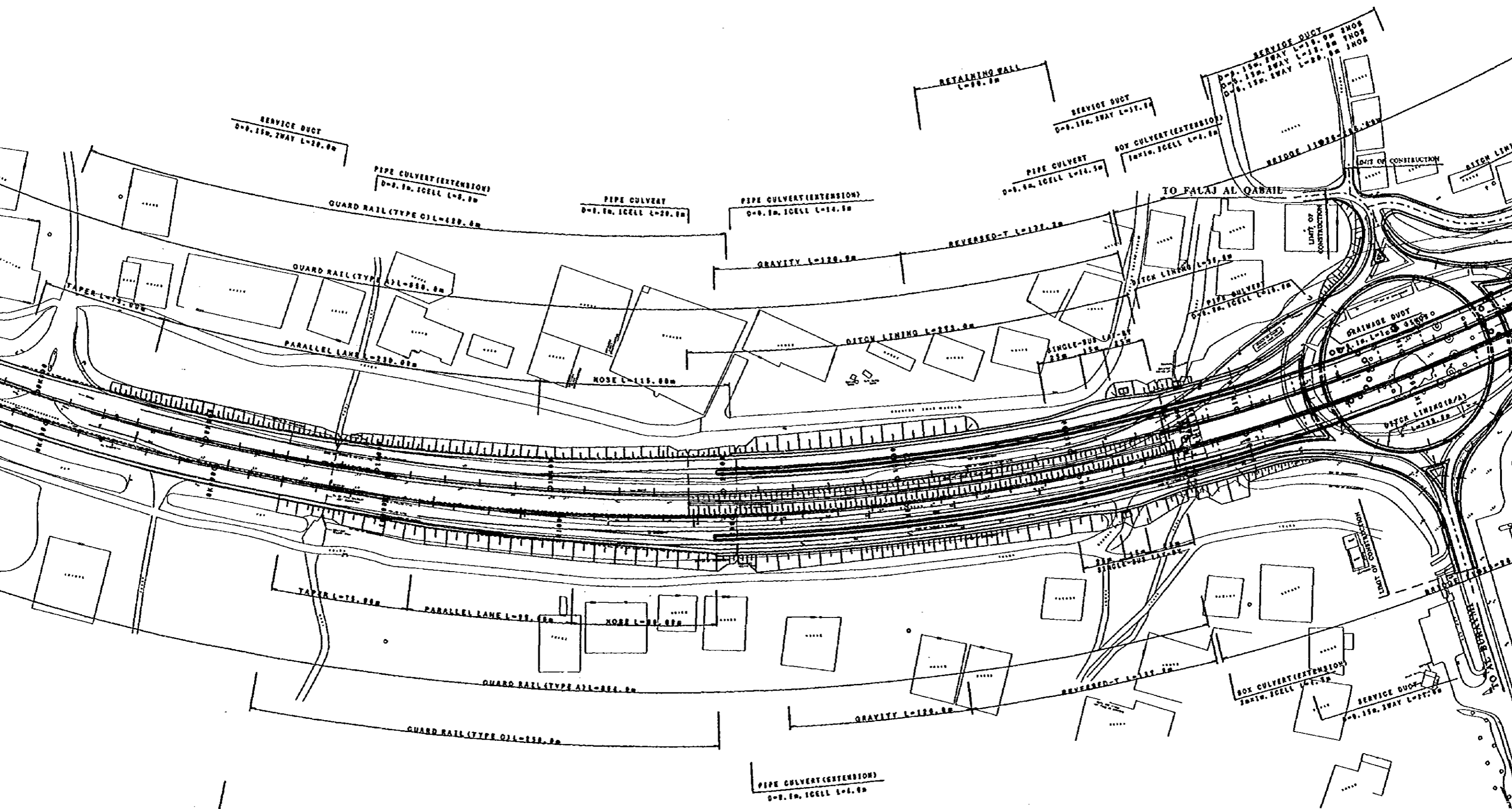


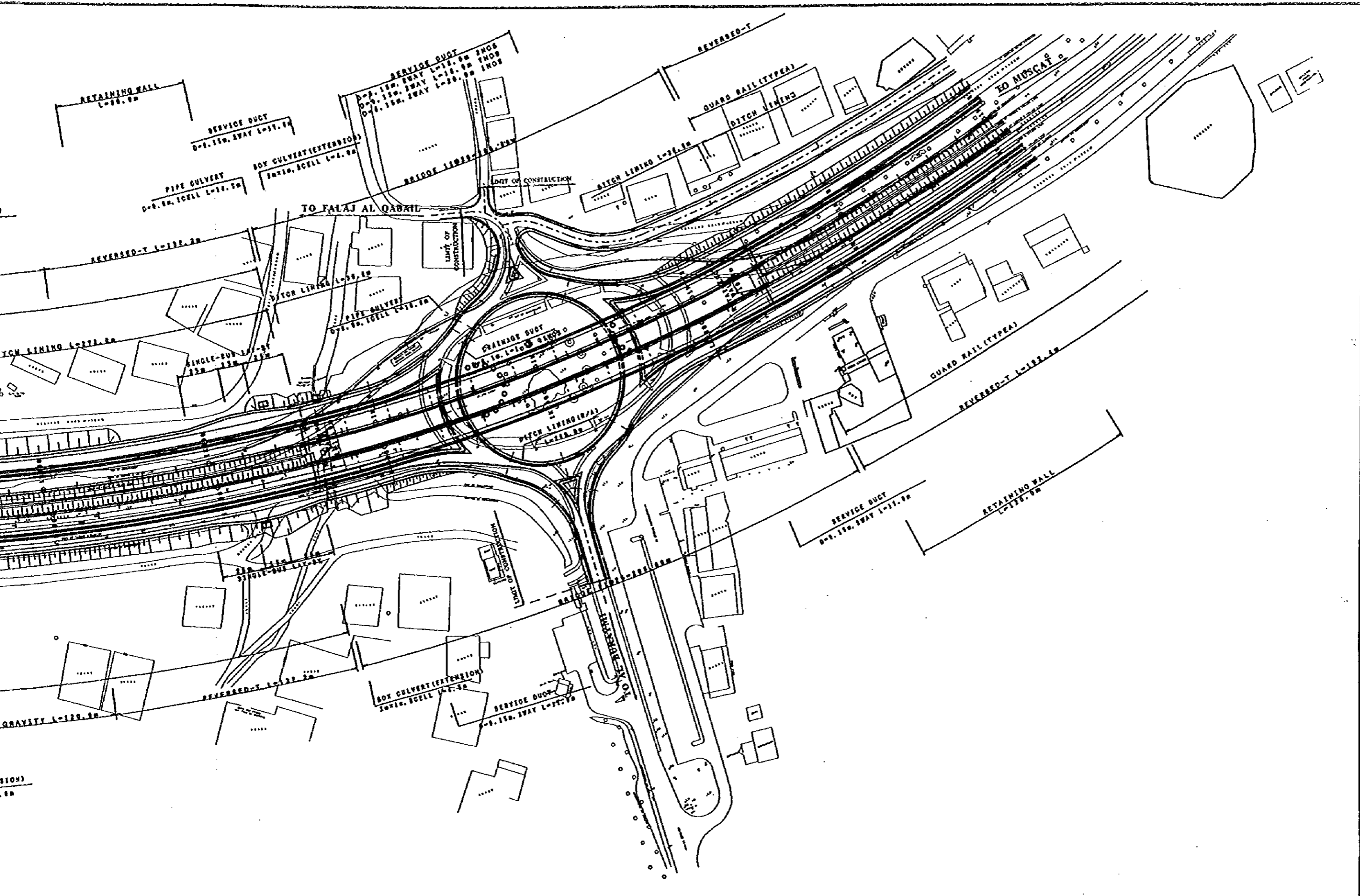
*Falaj Al Qabail*  
FLYOVER



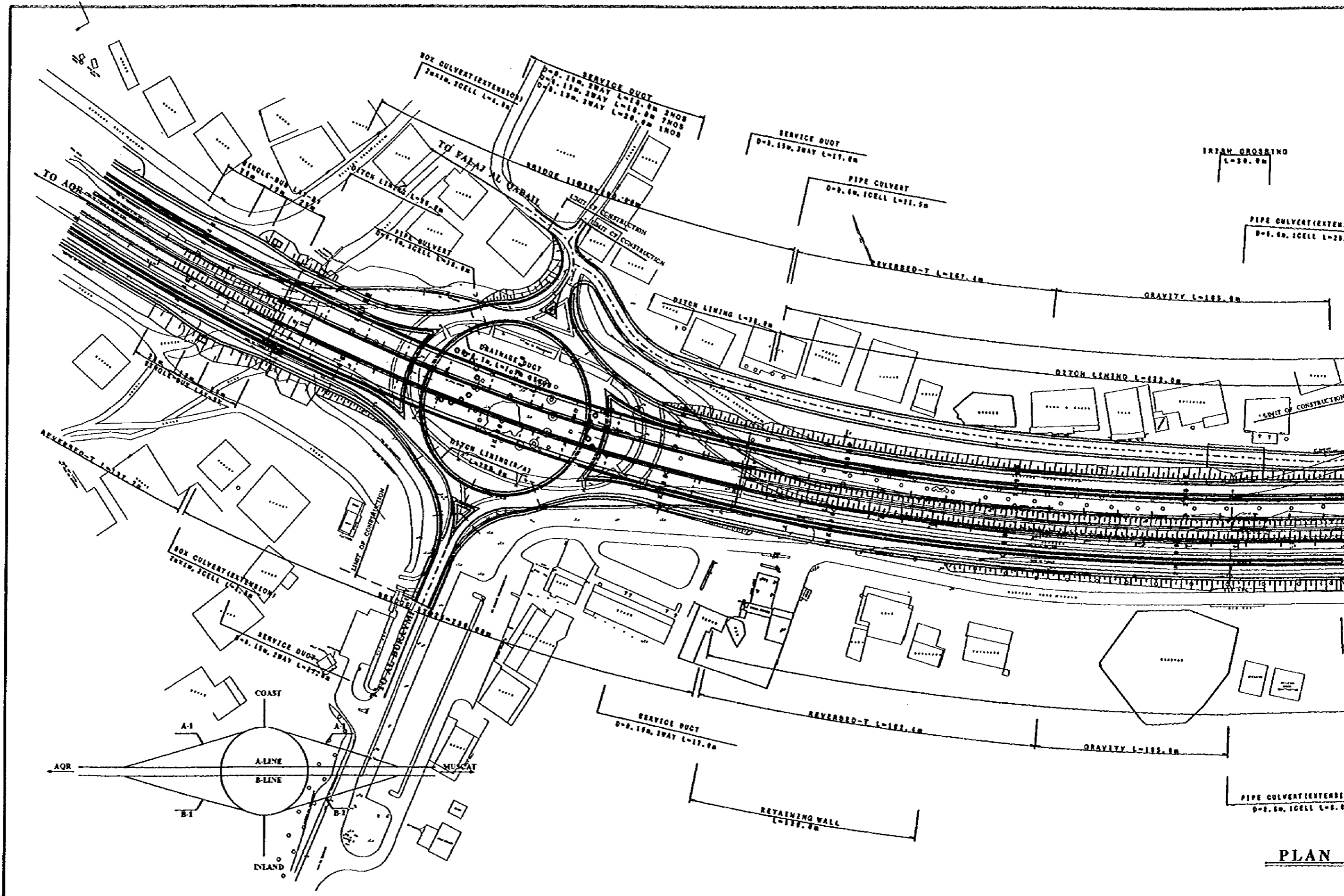
NOTES:



**PLAN S 1:2000**

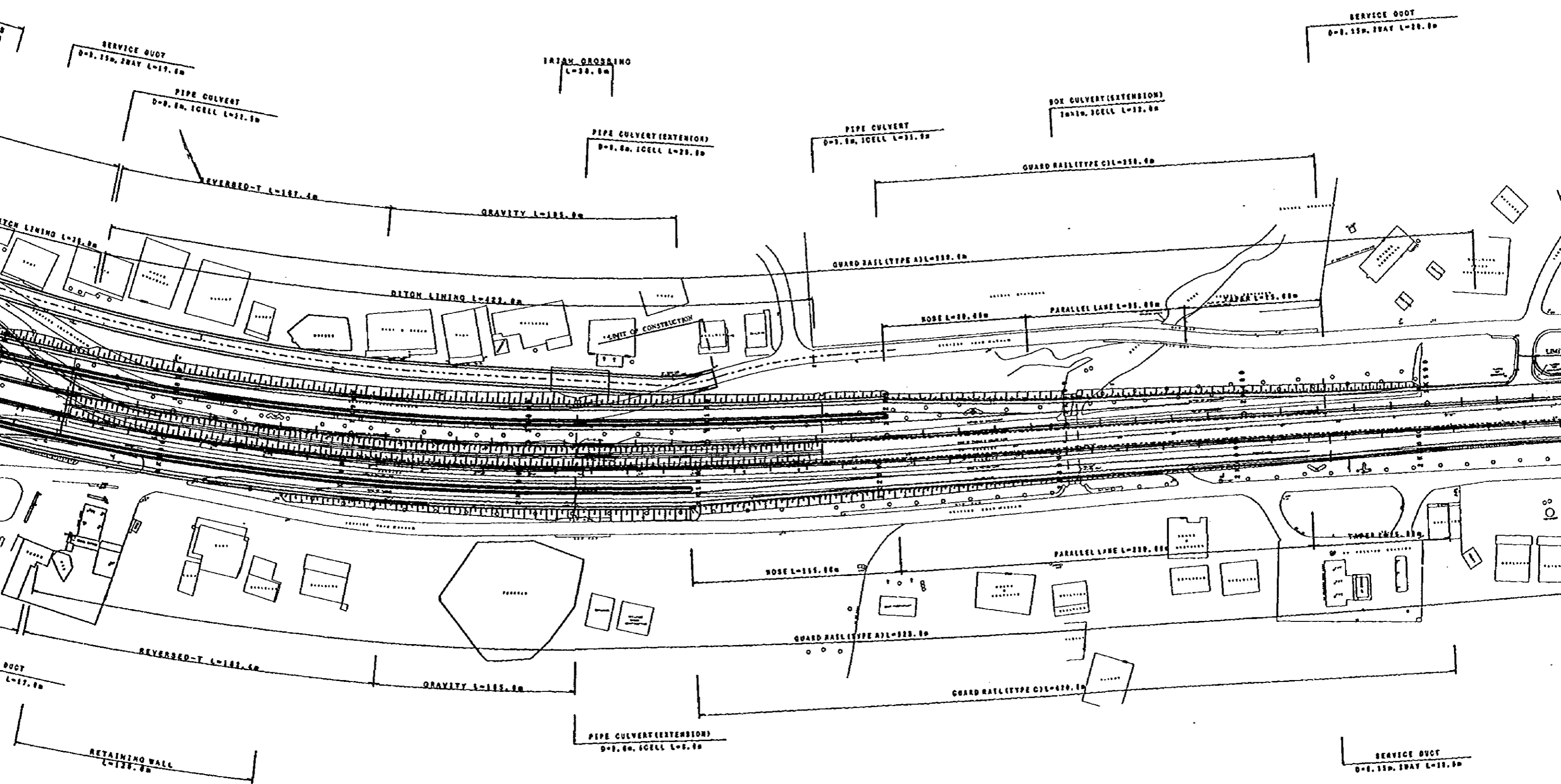


JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) JICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL	CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS	
	PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY	
	TITLE RA/14 FALAJ AL QABAIL PLAN(1/3)	
	DATE	DWGNO. R-5

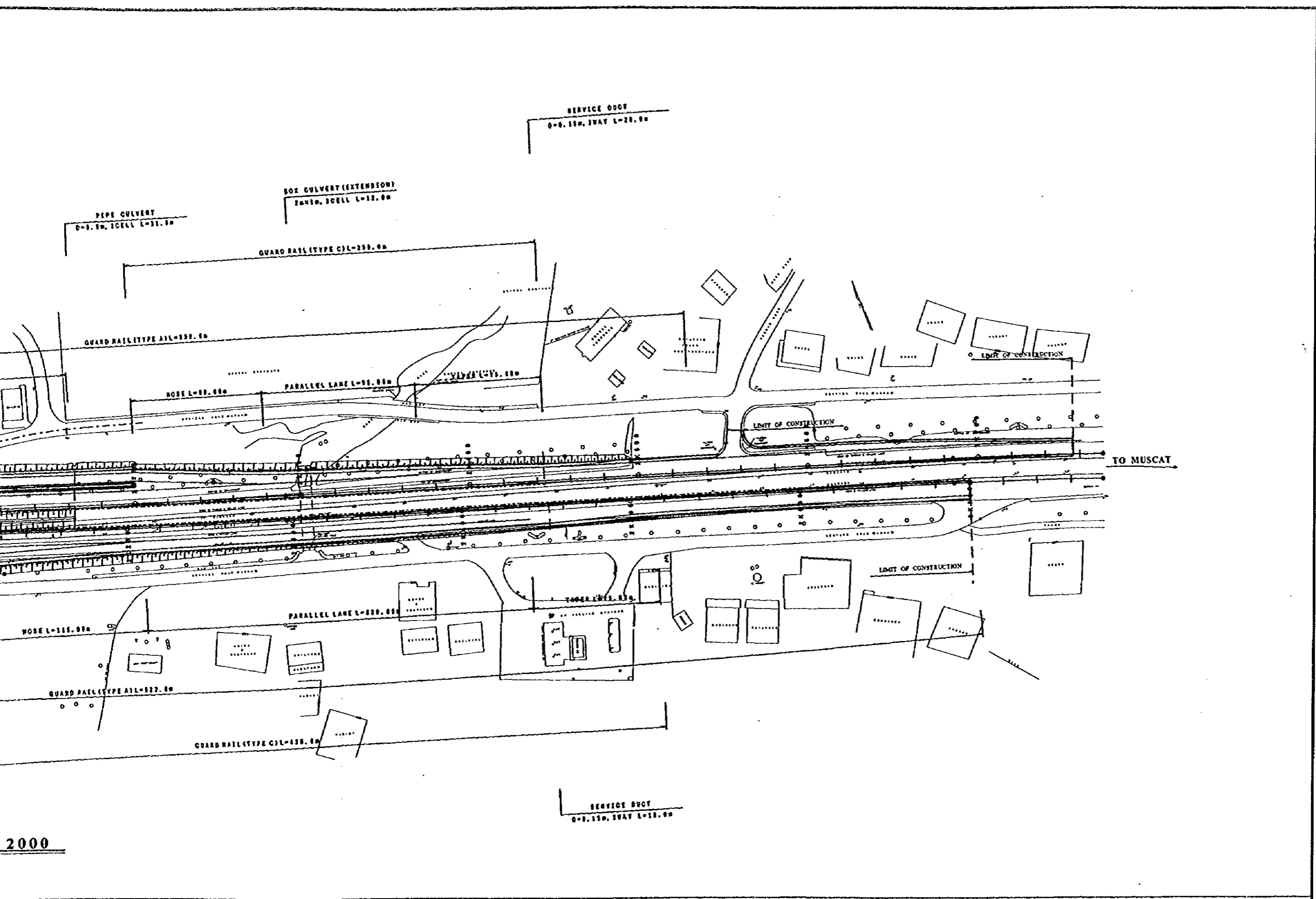


**PLAN 5**

NOTES:

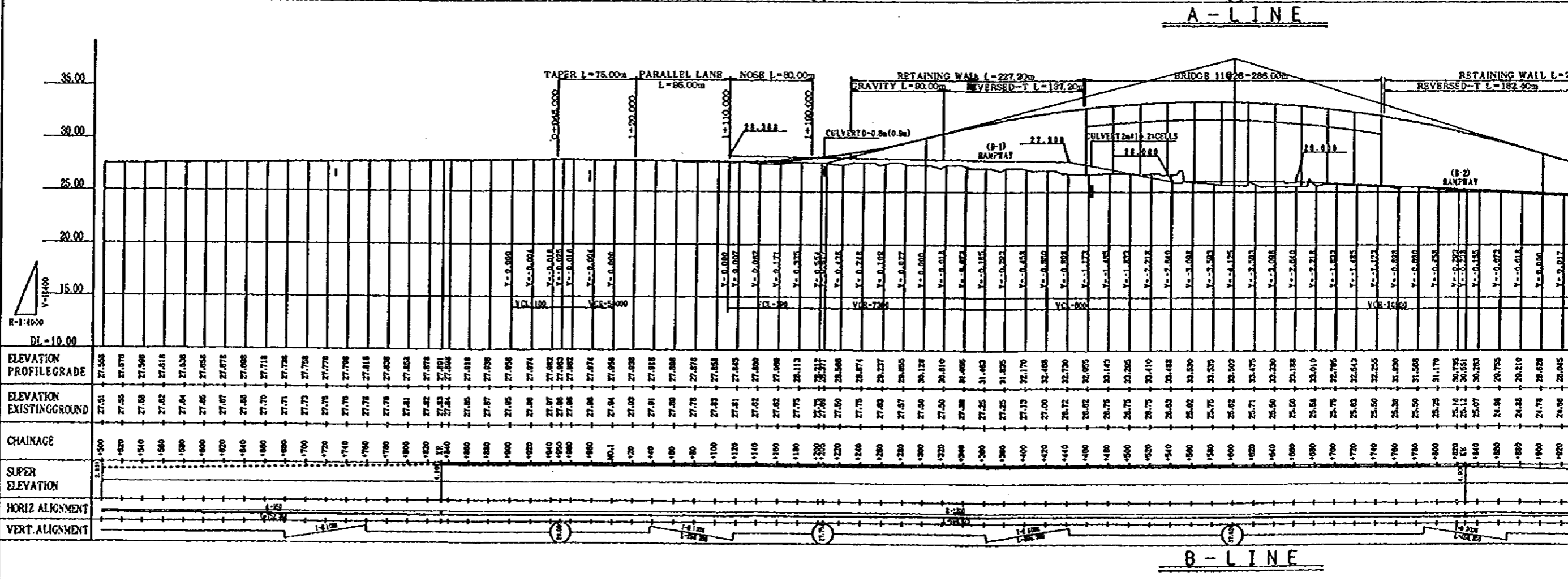
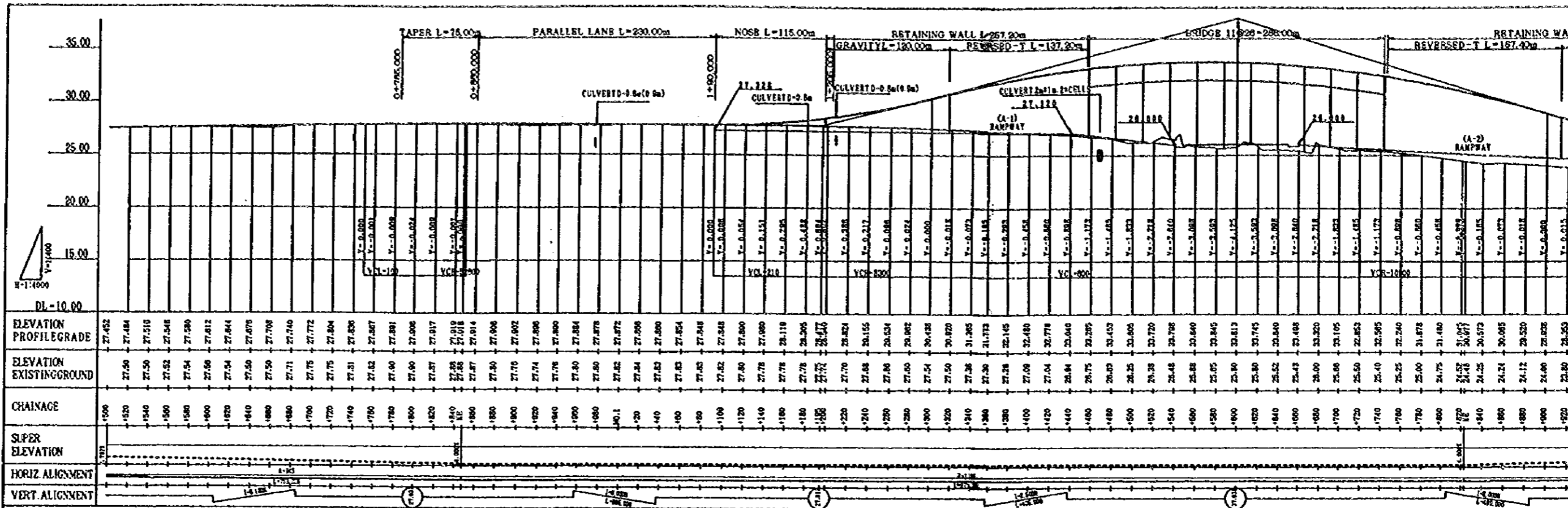


**PLAN S 1:2000**



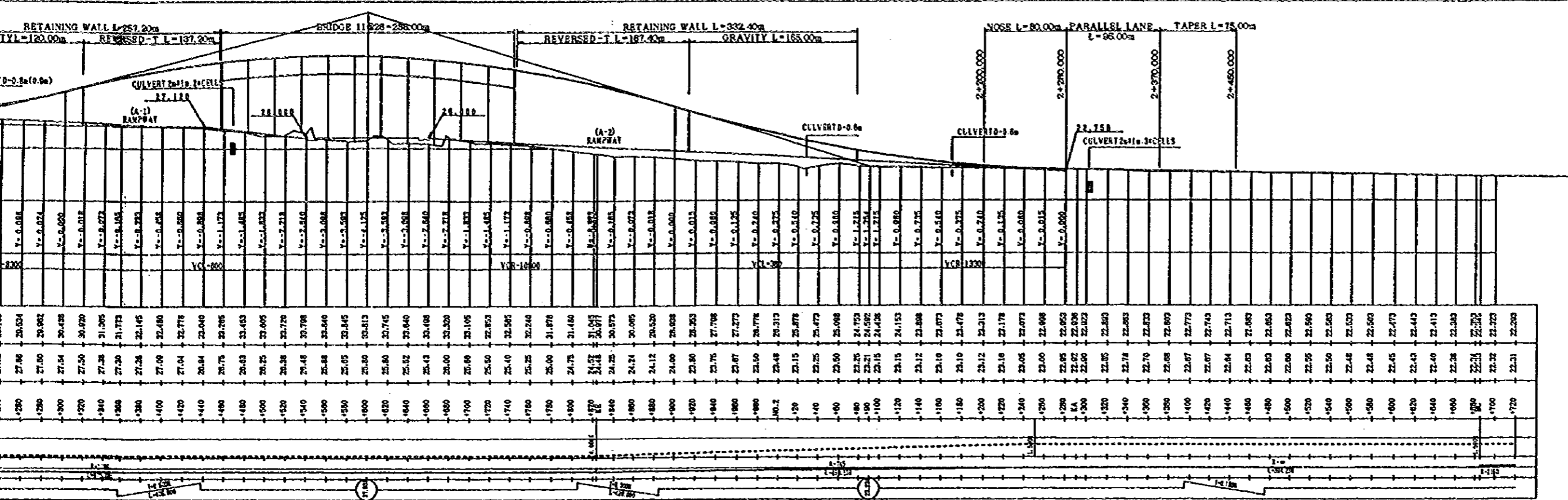
2000

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/14 PALAJ AL QABAIL PLAN(1/2)
	DATE	DWGNO. R-6

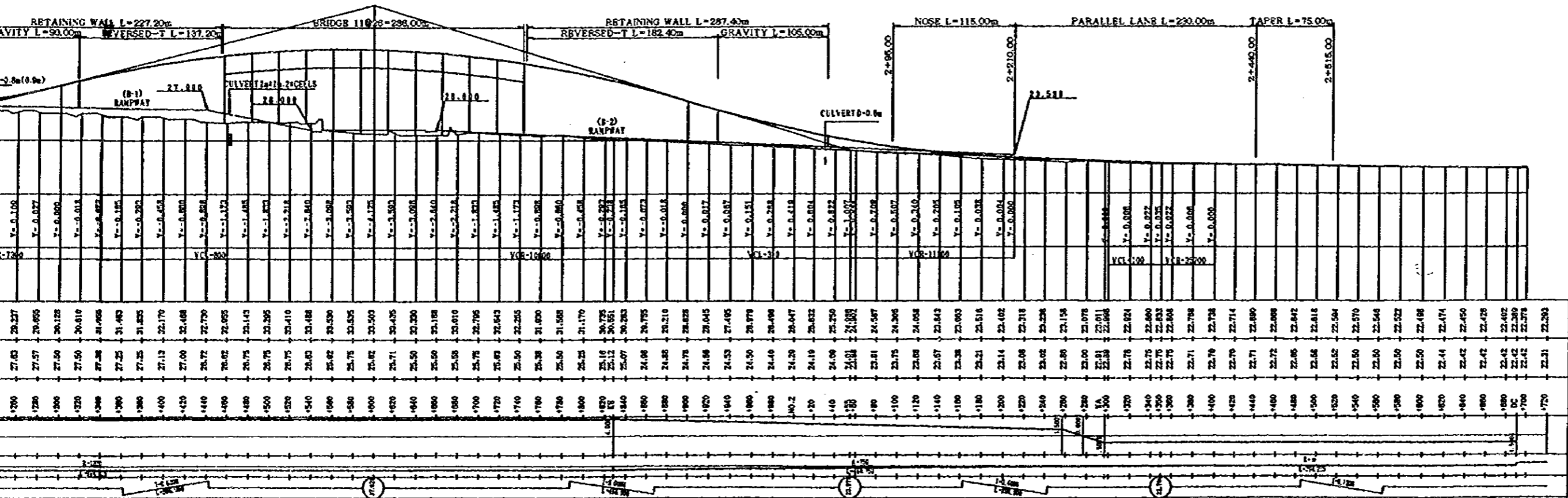


NOTES:



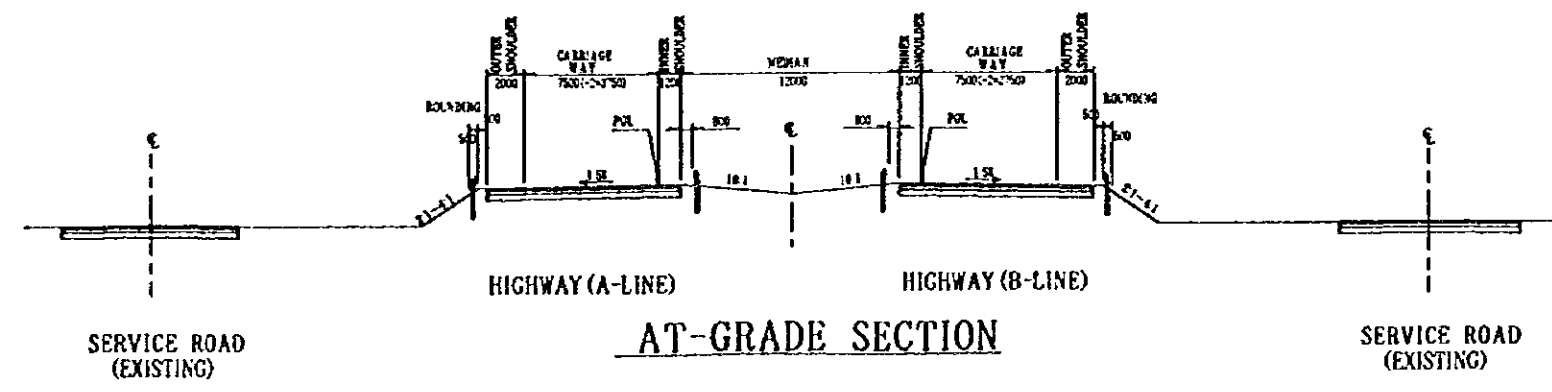
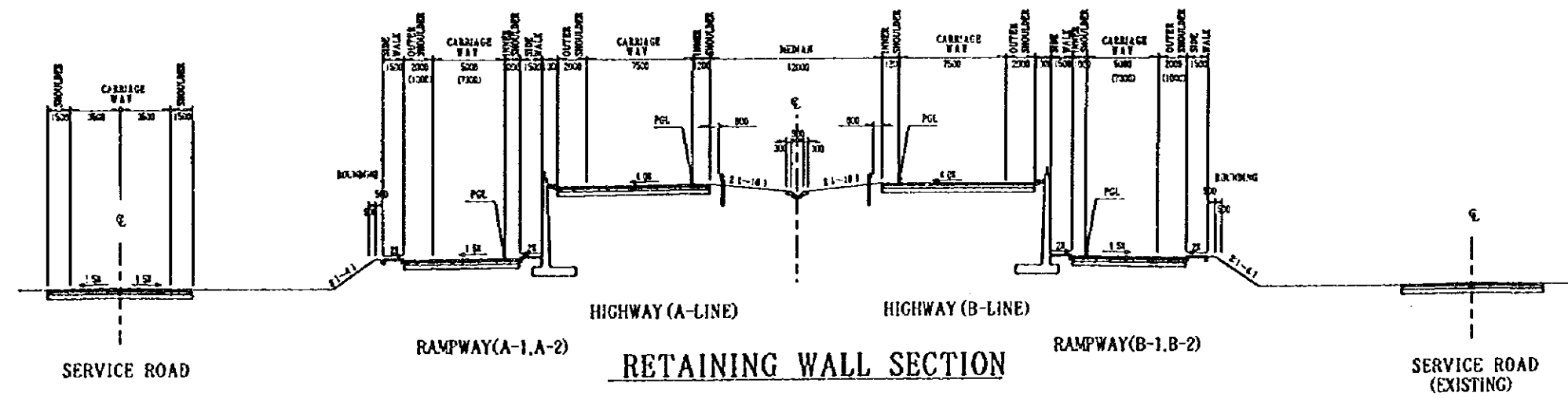
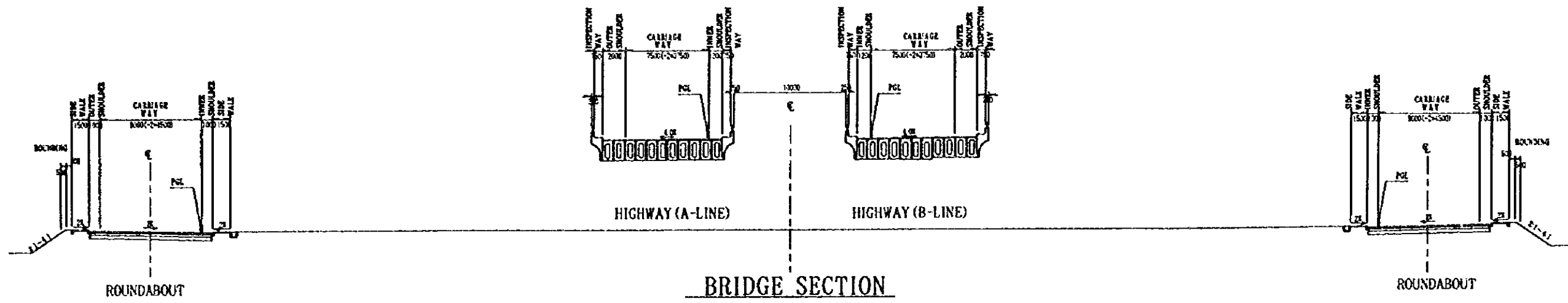


A-LINE



B-LINE

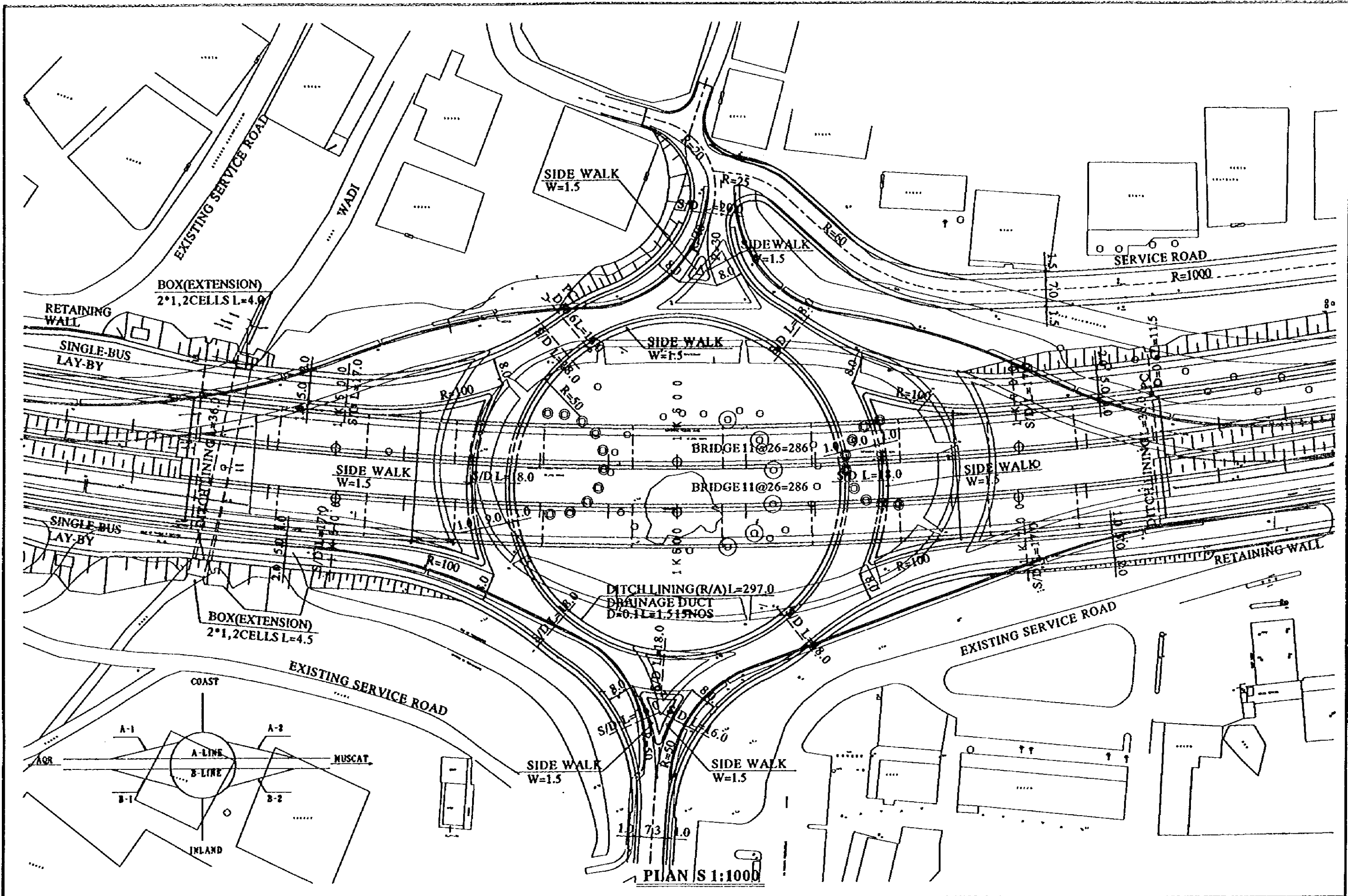
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) JICA STUDY TEAM PACIFIC CONSULTANTS INTERNATIONAL FUKUYAMA CONSULTANTS INTERNATIONAL	CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS	
	PROJECT: DDON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY	
	TITLE RA/14 FALAJ AL QABAIL PROFILE-HIGHWAY	DWGNO. R-7



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 BEGINING AND THE END.

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 JICA STUDY TEAM  
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 FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS  
 PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY  
 TITLE: RA/14 PALAJ AL QABAIL TYPICAL CROSS SECTION  
 DATE: DWG NO.: R-8

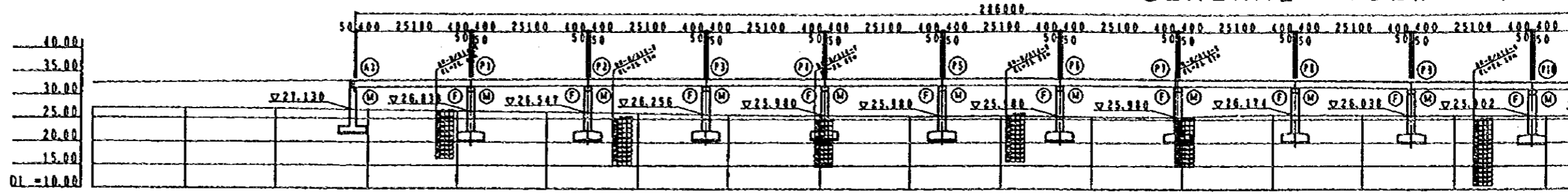


- NOTES:
- (1) ALL DIMENSIONS ARE IN METER.
  - (2) S/D INDICATES SERVICE DUCT (D=0.15m, 2WAY)
  - (3) PC AND BC REPRESENTS PIPE CULVERT AND BOX CULVERT RESPECTIVELY.

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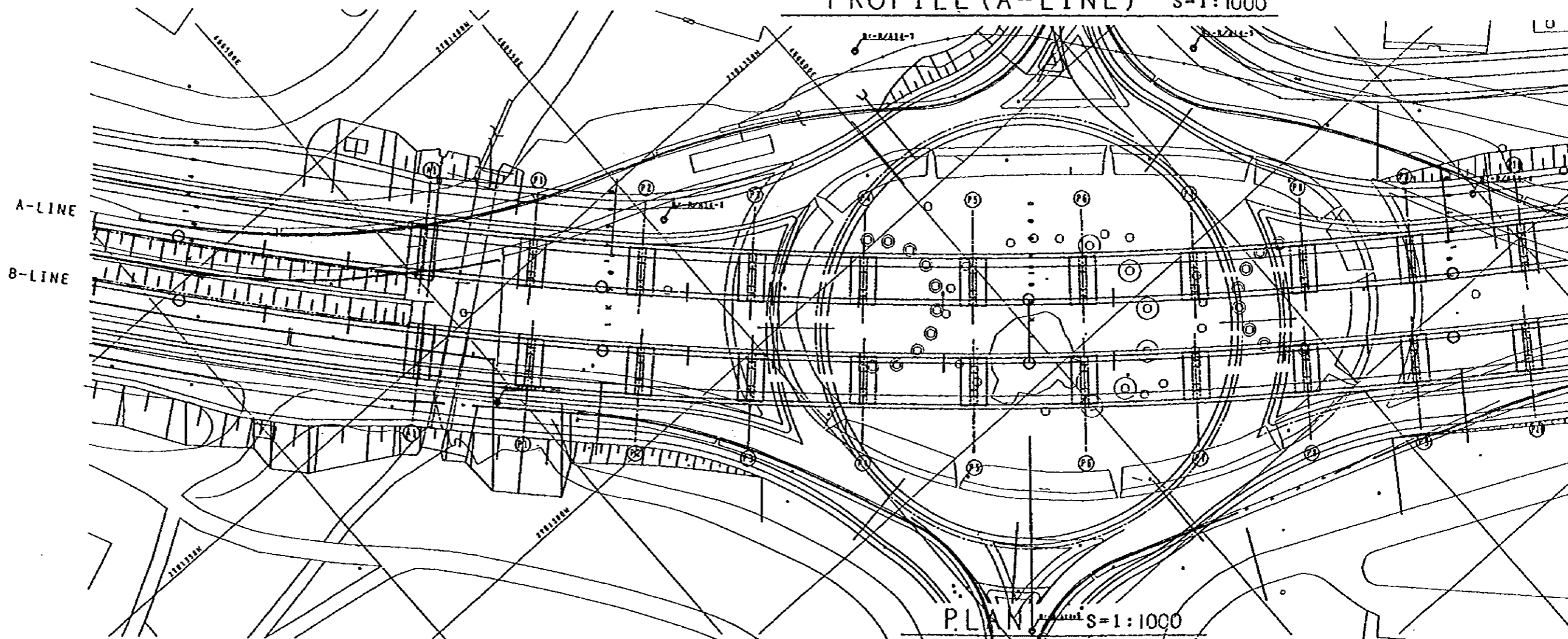
CLIENT: MINISTRY OF COMMUNICATIONS, DIRECTORATE GENERAL OF ROADS  
PROJECT: D/D ON ROAD DEVELOPMENT PROJECT ON BATINAH HIGHWAY  
TITLE: RA/14 FALAJ AL QABAIL DETAILED PLAN  
DATE: \_\_\_\_\_ DWG NO.: R-9

# GENERAL VIEW RA/14



ELEVATION PROFILE GRADE	ELEVATION EXISTING GROUND	CHAINAGE	SUPER ELEV	HORIZ. ALIGNMENT	VERT. ALIGNMENT
32.400	27.04	420			
32.778	26.94	440			
33.040	26.88	457			
33.233	26.75	460			
33.265	26.63	480			
33.453	26.10	483			
33.478	26.25	500			
33.605	26.00	508			
33.661	26.38	520			
33.720	26.45	535			
33.782	26.48	540			
33.798	25.88	560			
33.840	25.80	561			
33.861	25.65	580			
33.845	25.70	587			
33.938	25.80	600			
33.813	26.31	613			
33.773	25.80	620			
33.745	25.55	639			
33.646	25.52	640			
33.640	25.43	660			
33.498	25.50	665			
33.457	26.00	680			
33.320	25.65	691			
33.206	25.66	700			
33.105	25.50	717			
32.853	25.50	720			

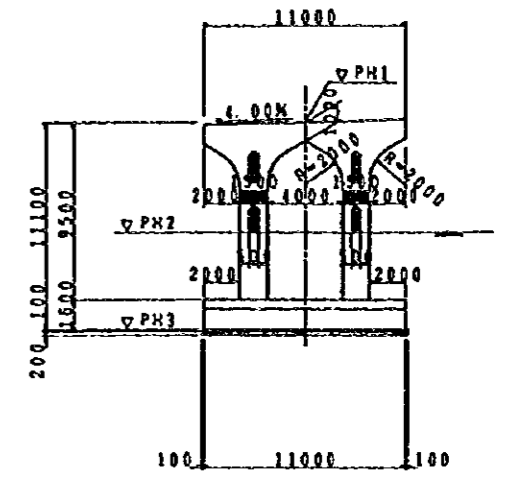
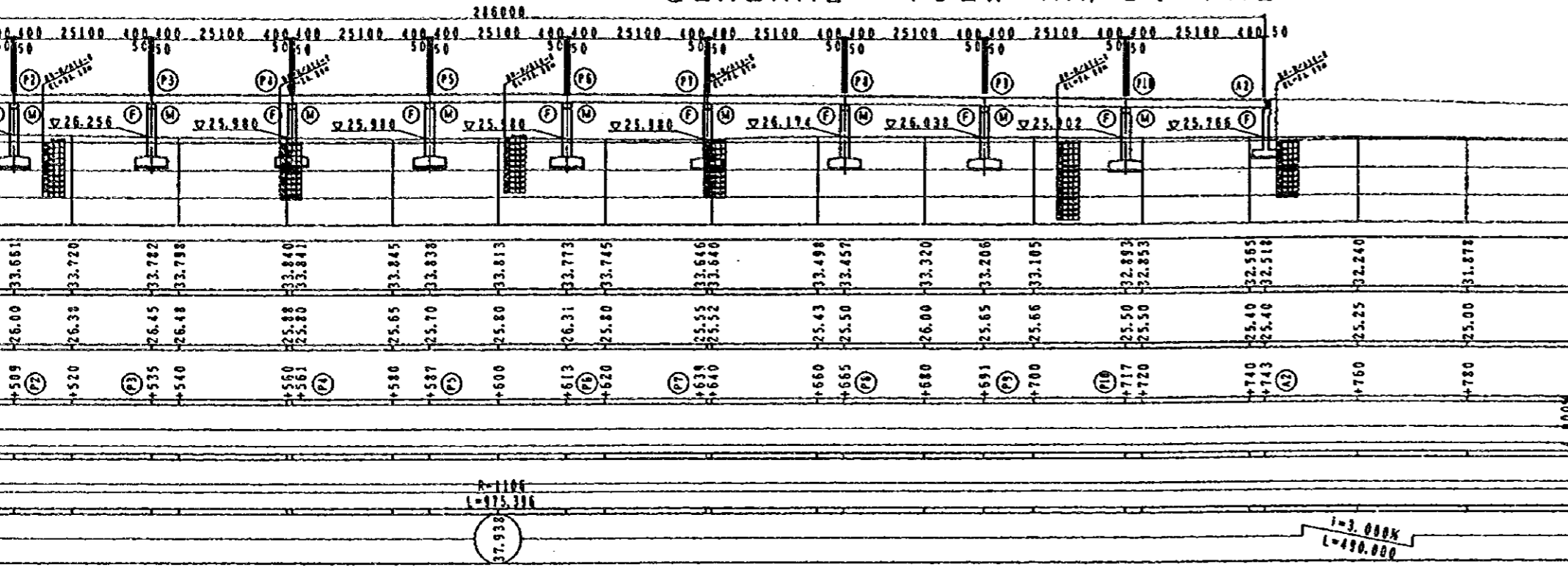
PROFILE (A-LINE) S=1:1000



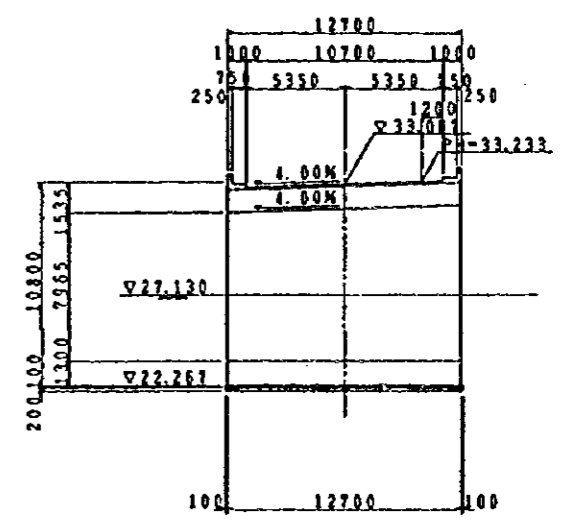
P.L.A.N. S=1:1000

NOTES:

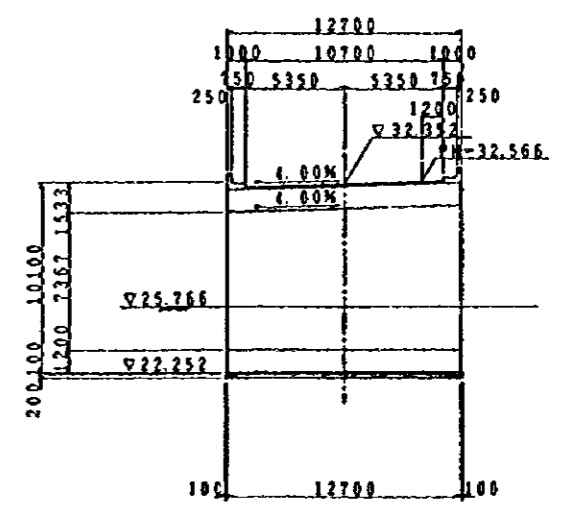
# GENERAL VIEW RA/14 FALAJ AL QABAIL (A-LINE)



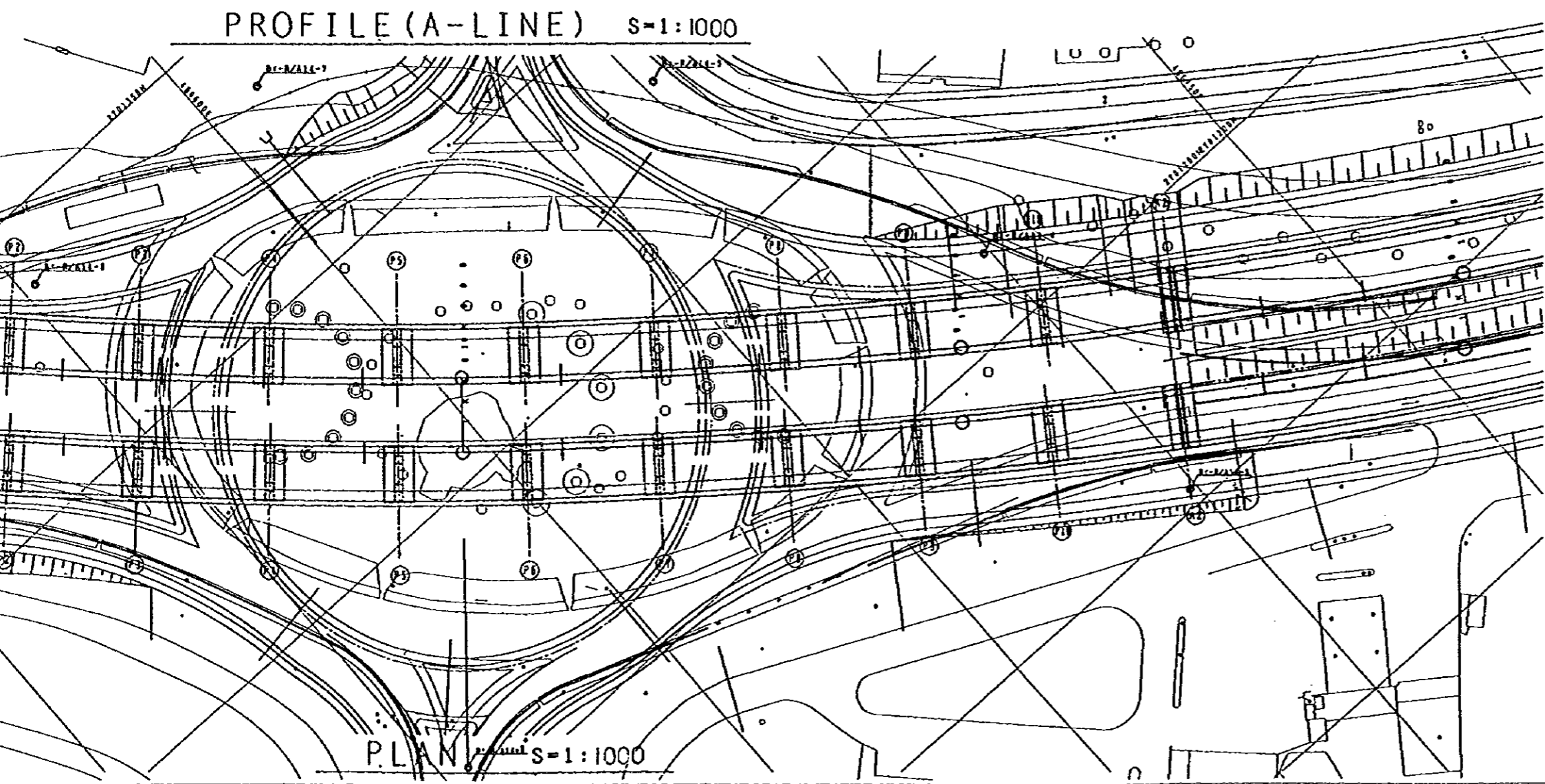
SECTION OF PIERS S=1/400



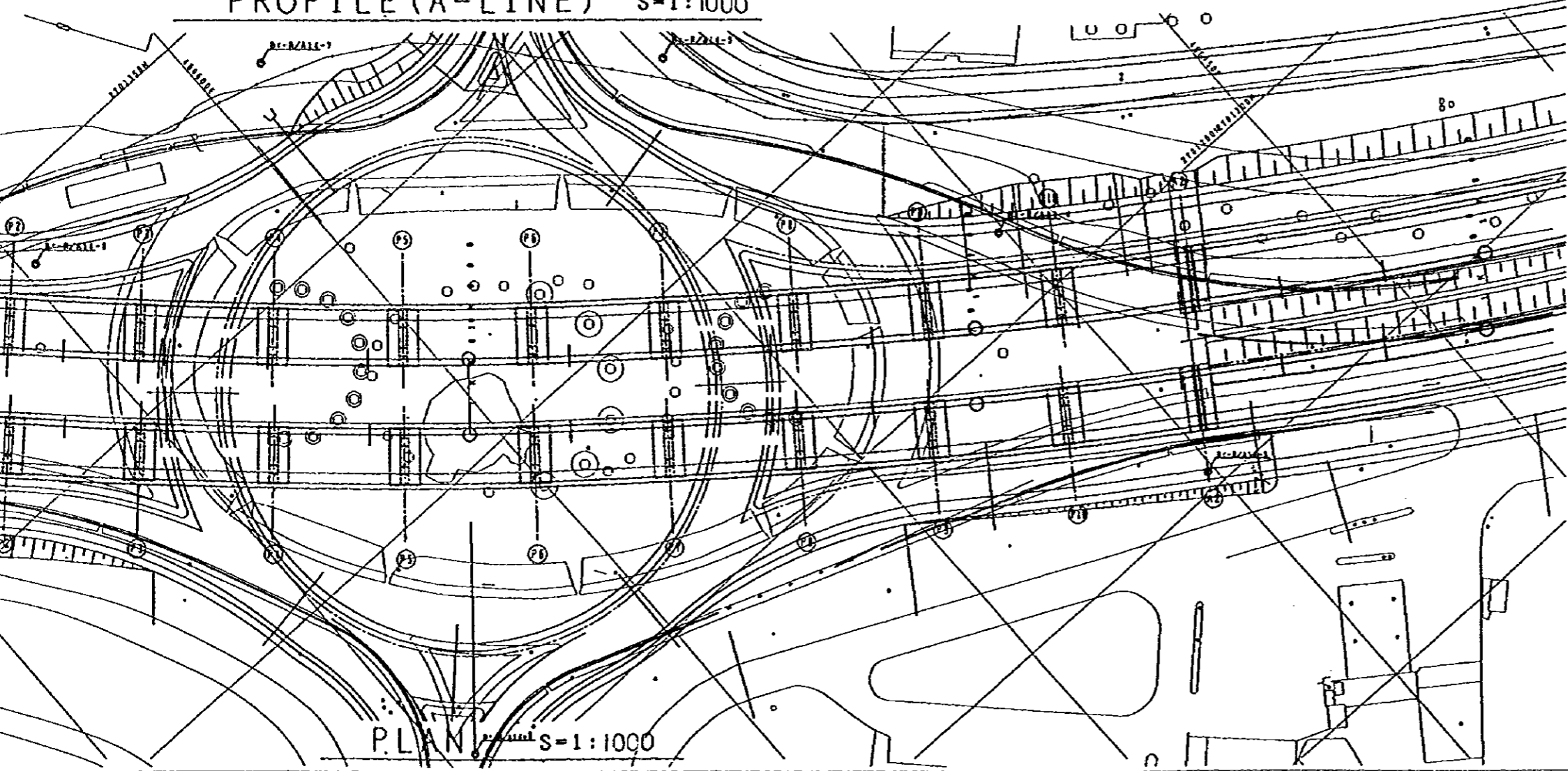
SECTION OF A1 ABUTMENT S=1/4



SECTION OF A2 ABUTMENT S=1/4

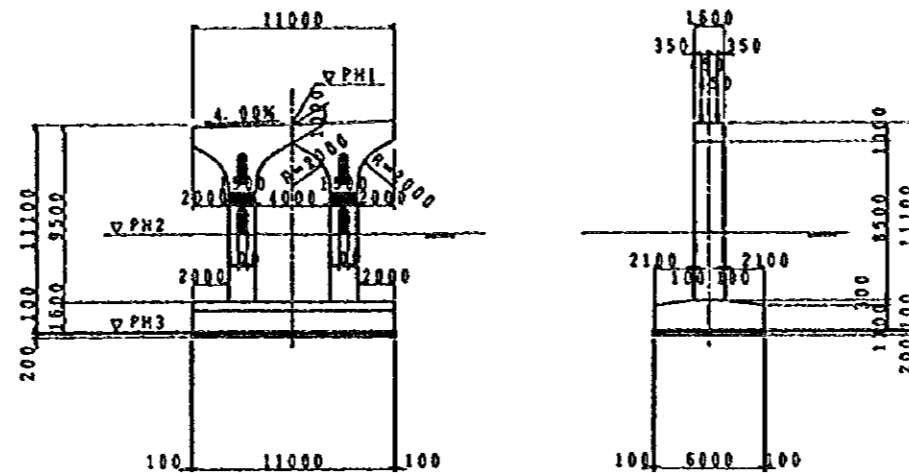
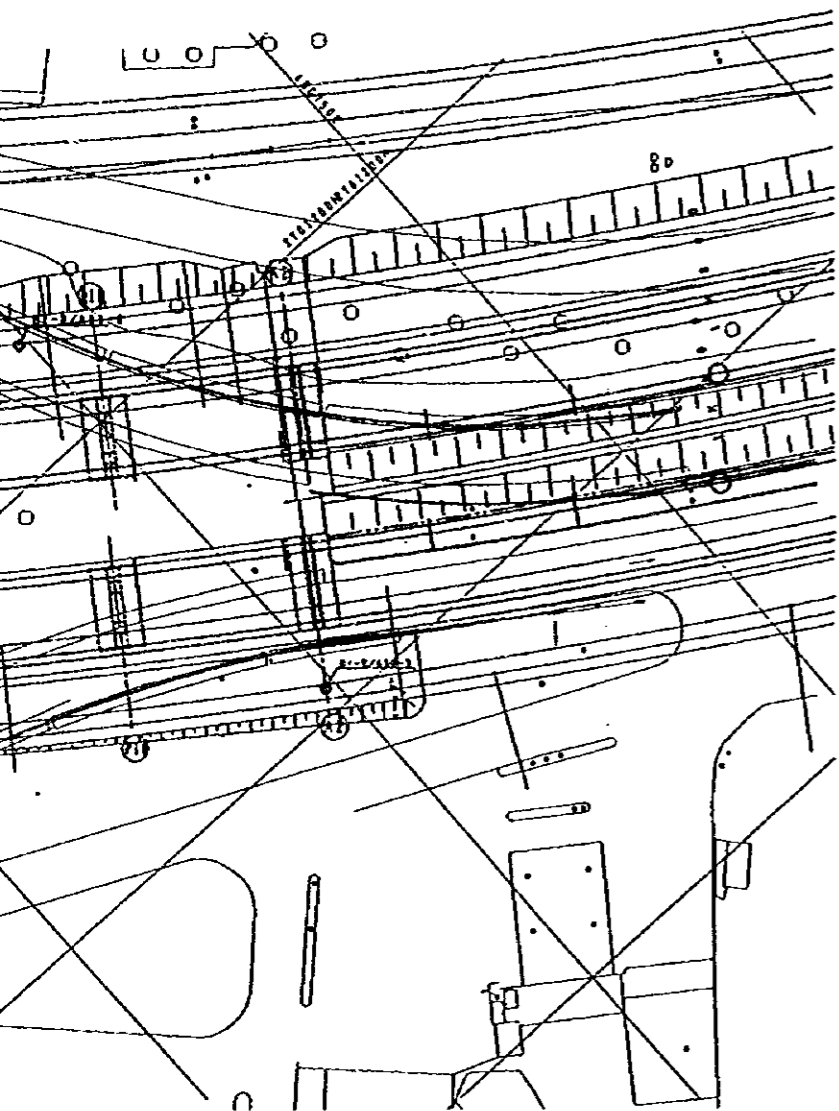
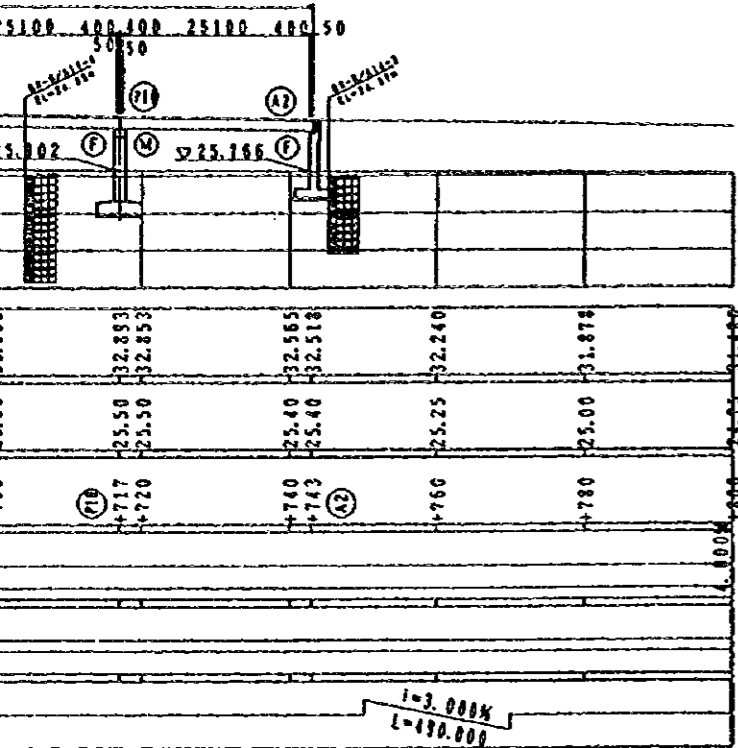


PROFILE (A-LINE) S=1:1000

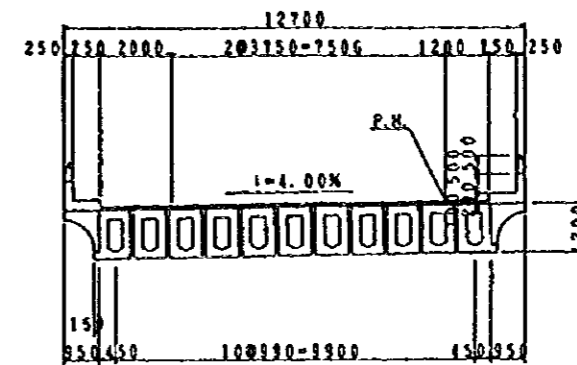


P.L.A.N. S=1:1000

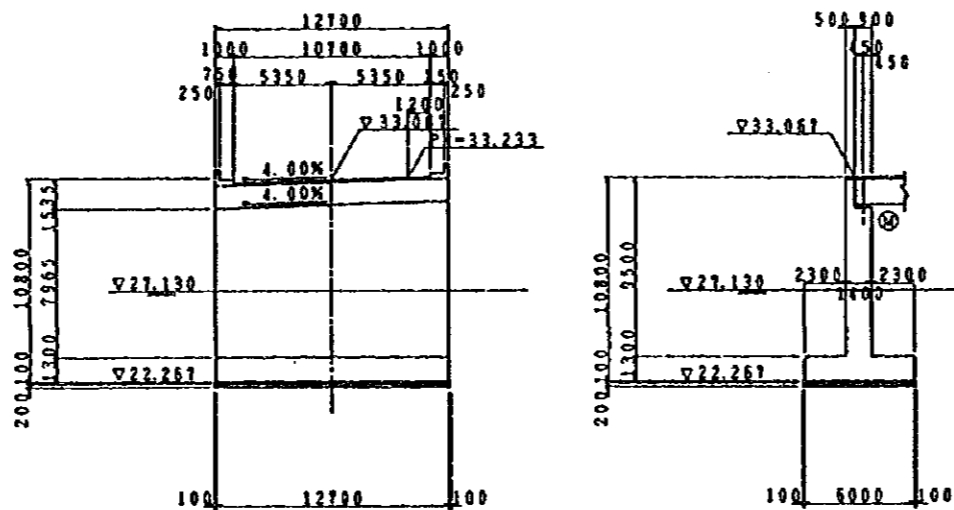
# RA/14 FALAJ AL QABAIL (A-LINE)



SECTION OF PIERS S=1/400



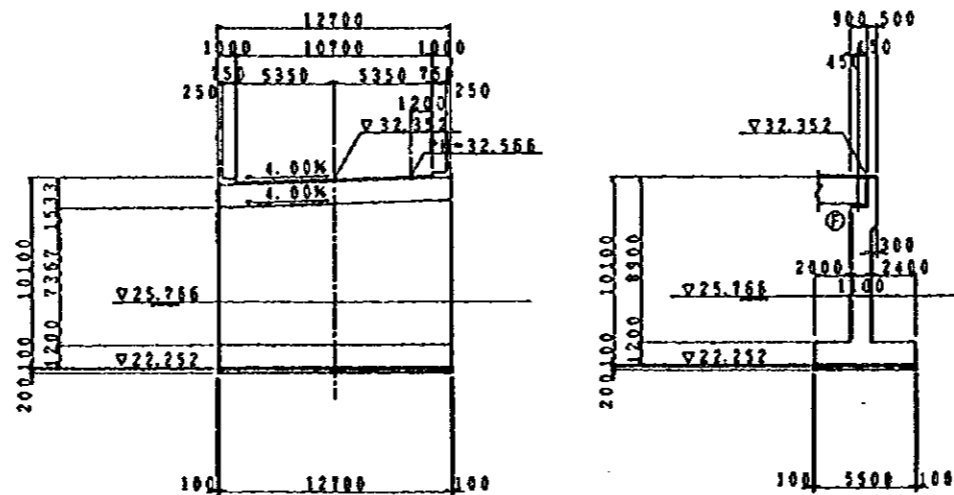
SECTION OF PC BOX GIRDER S=1:200



SECTION OF A1 ABUTMENT S=1/400

### LIST OF PIER ELEVATION

	PH1	PH2	PH3
P1	31.762	26.838	20.662
P2	31.945	26.547	20.845
P3	32.066	26.256	20.966
P4	32.125	25.980	21.025
P5	32.122	25.980	21.022
P6	32.057	25.980	20.957
P7	31.930	25.980	20.830
P8	31.741	26.174	20.641
P9	31.480	26.038	20.390
P10	31.177	25.902	20.077



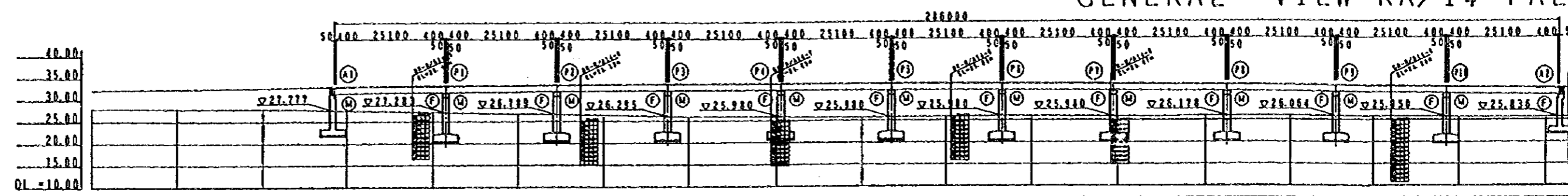
SECTION OF A2 ABUTMENT S=1/400

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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/14 FALAJ AL QABAIL (A-LINE)  
DATE: \_\_\_\_\_ DWGNO. B-1

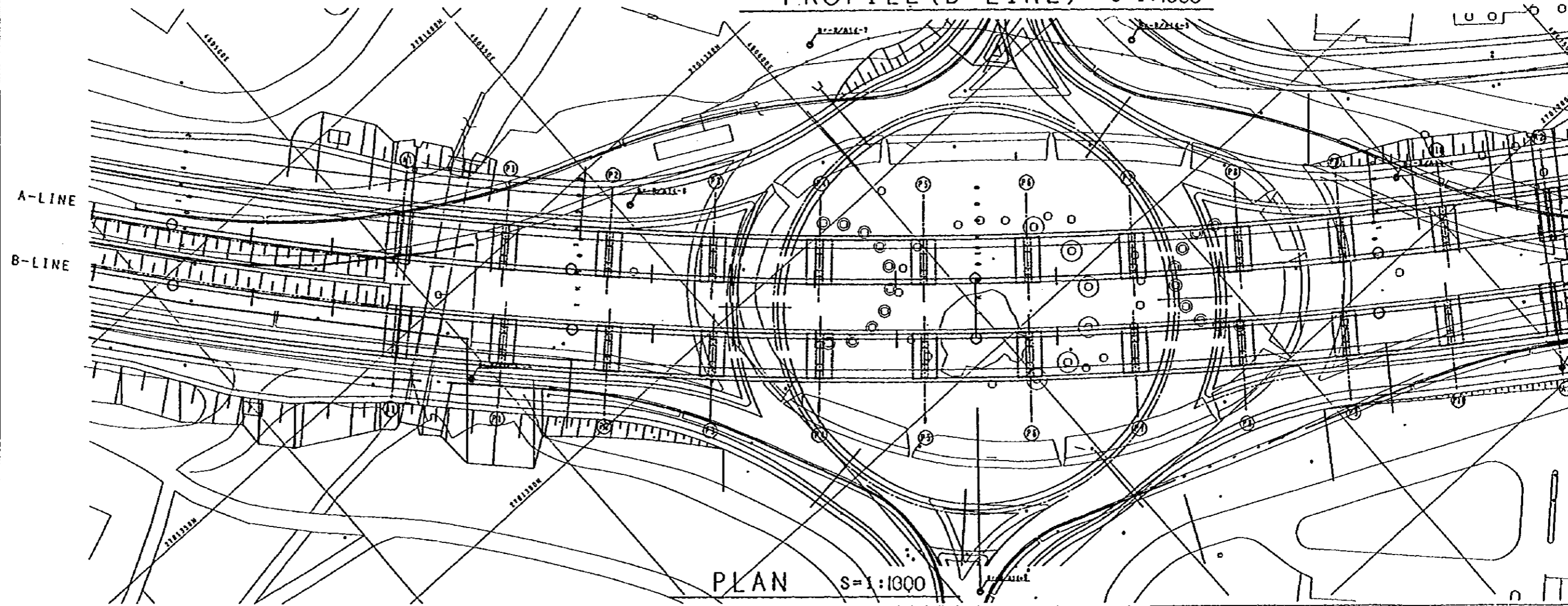


# GENERAL VIEW RA/14 FAL



ELEVATION PROFILE GRADE	ELEVATION EXISTING GROUND	CHAINAGE	SUPER ELEV	HORIZ. ALIGNMENT	VERT. ALIGNMENT
32.468	27.00	420			
32.730	26.72	440			
32.923	26.50	457			
32.955	26.62	460			
33.143	26.75	480			
33.168	26.75	483			
33.295	26.75	500			
33.410	26.75	509			
33.551	26.65	535			
33.478	26.63	540			
33.530	25.92	560			
33.551	25.80	561			
33.535	25.75	580			
33.528	25.52	587			
33.503	25.62	600			
33.463	26.26	613			
33.435	25.71	620			
33.336	25.50	635			
33.330	25.50	640			
33.188	25.50	660			
33.147	25.40	665			
33.010	25.58	680			
32.896	25.70	681			
32.795	25.75	700			
32.583	25.70	717			
32.583	25.63	720			
32.255	25.50	740			
32.288	25.50	743			

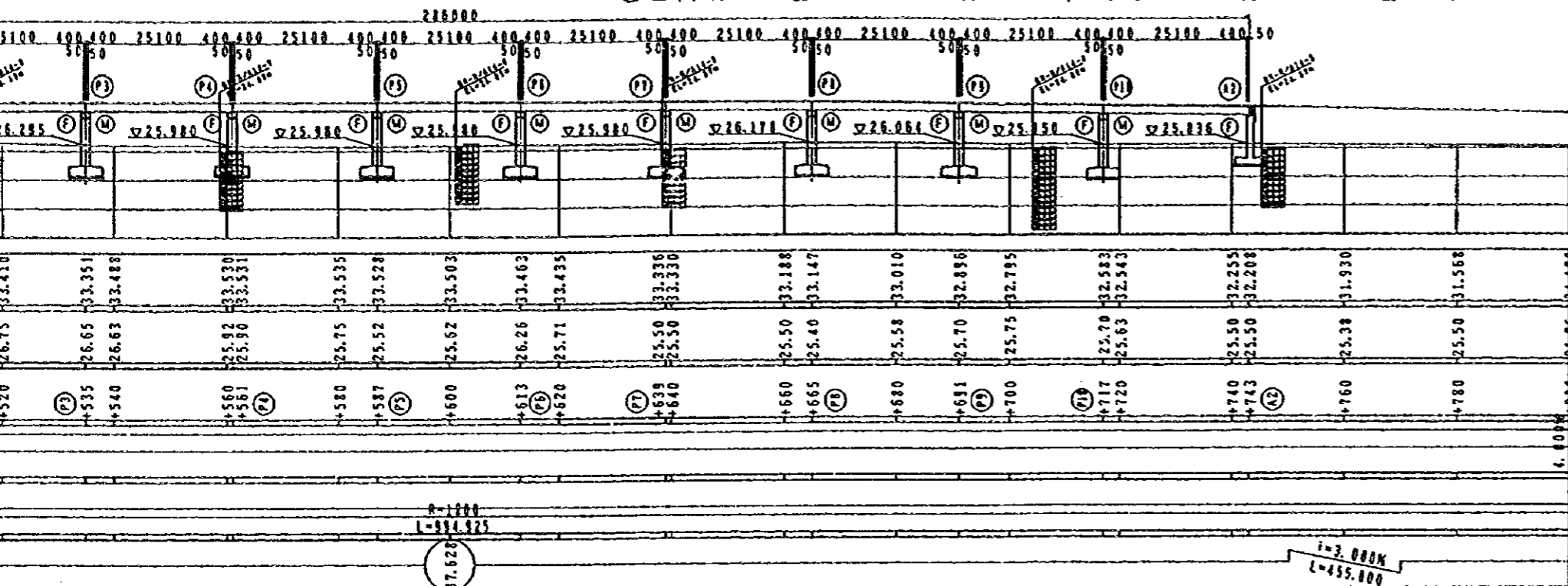
PROFILE (B-LINE) S=1:1000



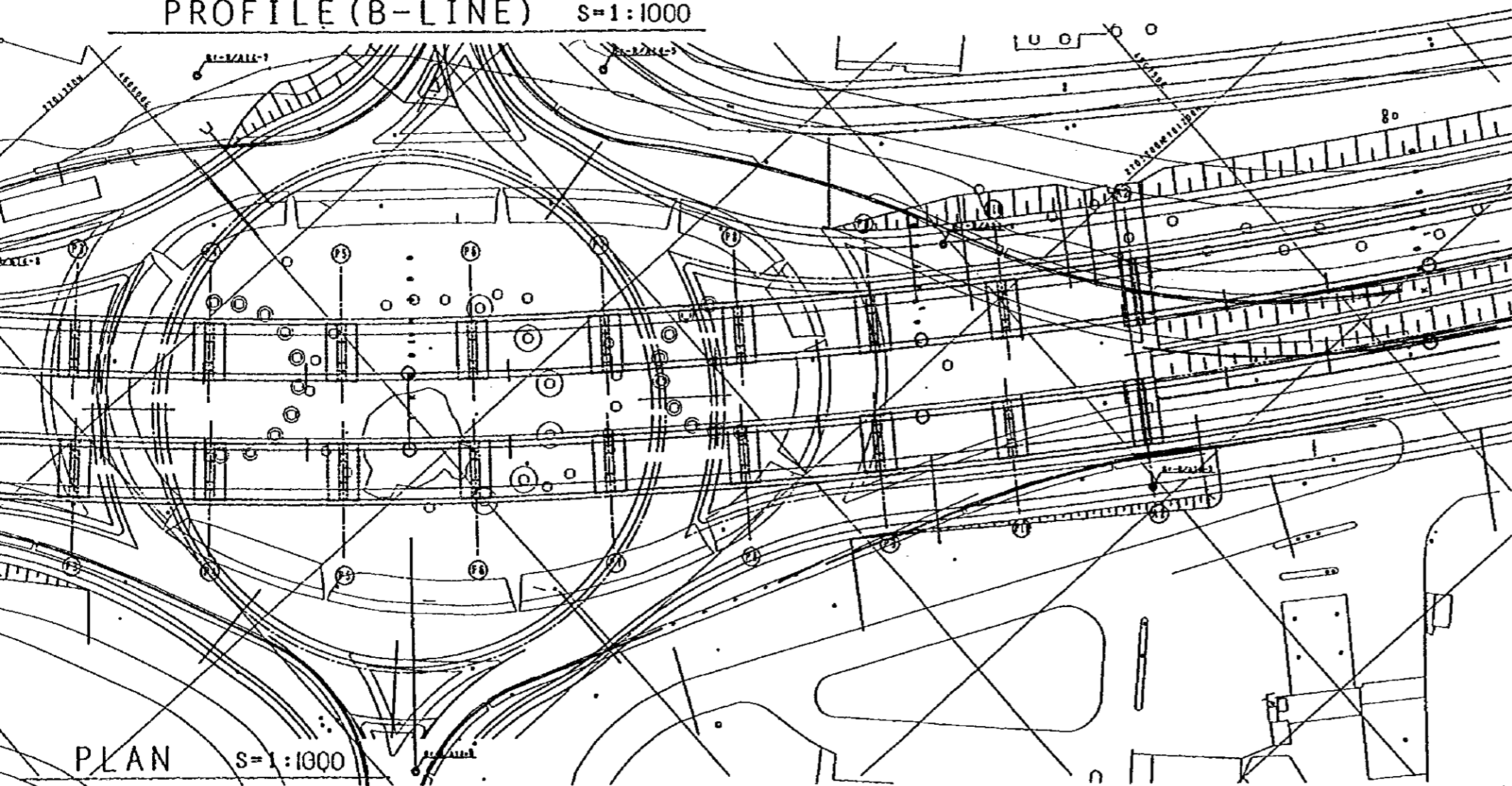
PLAN S=1:1000

NOTES:

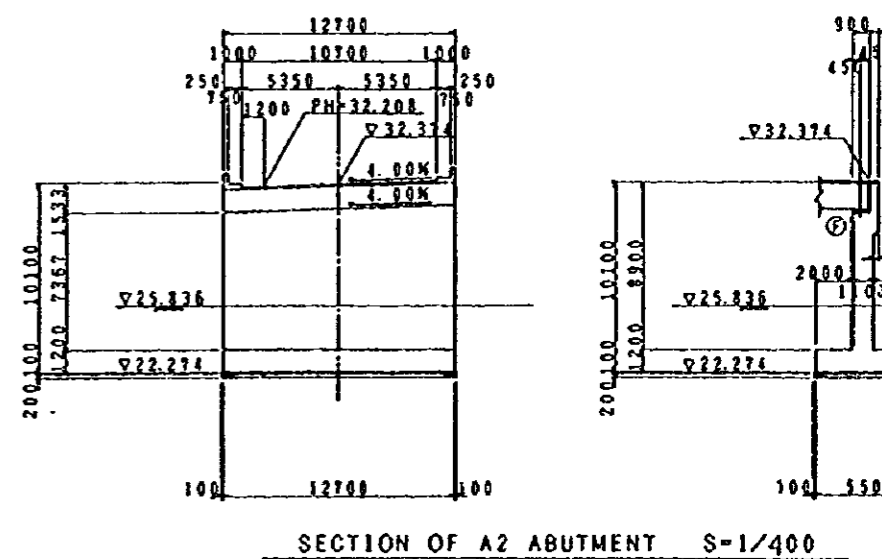
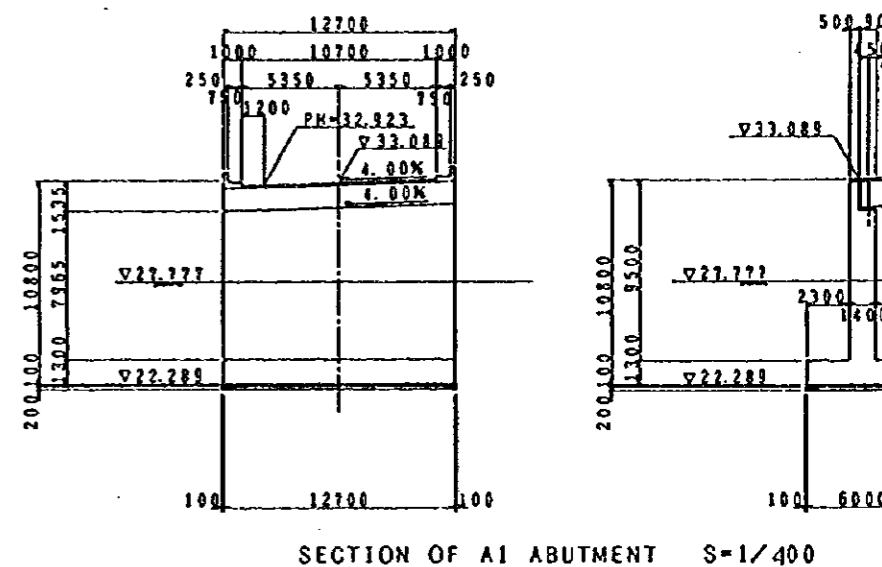
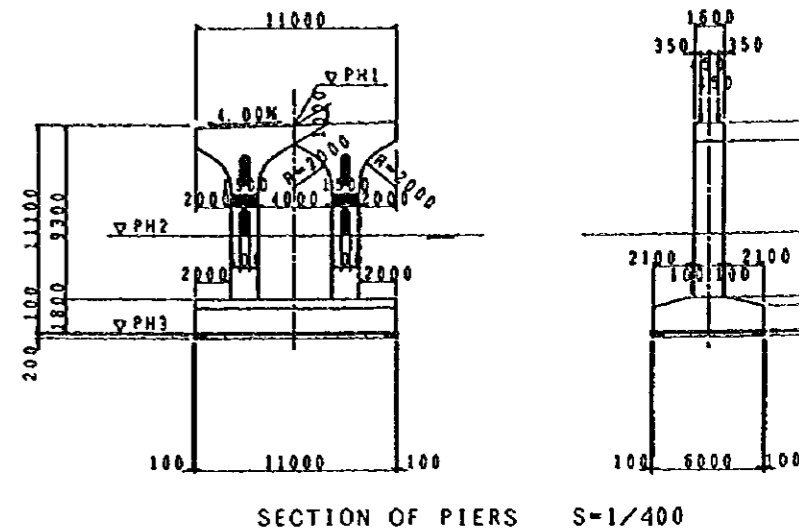
# GENERAL VIEW RA/14 FALAJ AL QABAIL (B-LINE)



PROFILE (B-LINE) S=1:1000

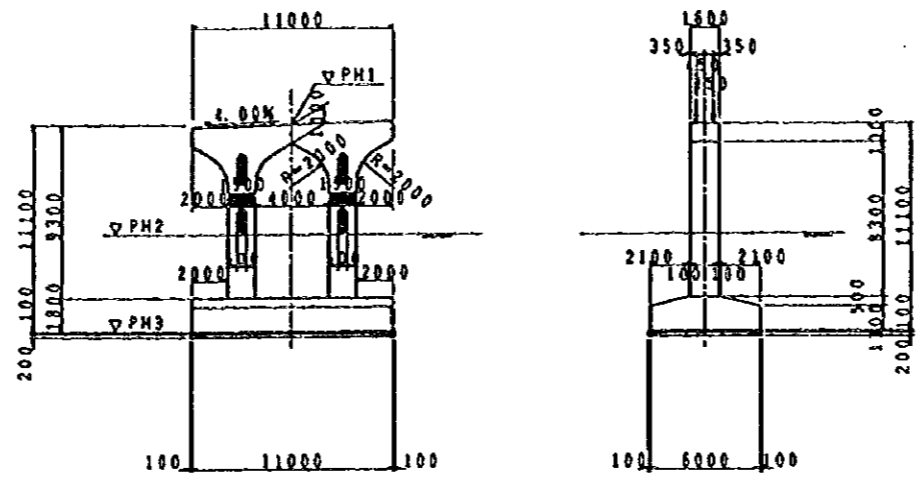
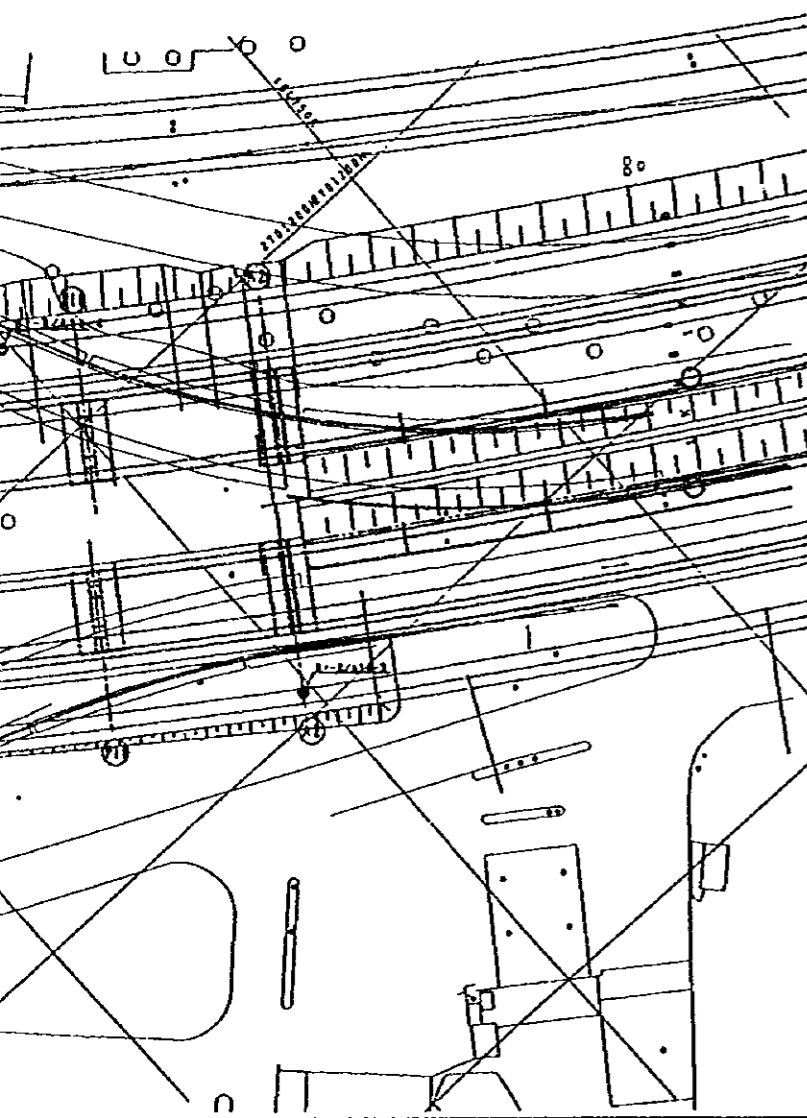
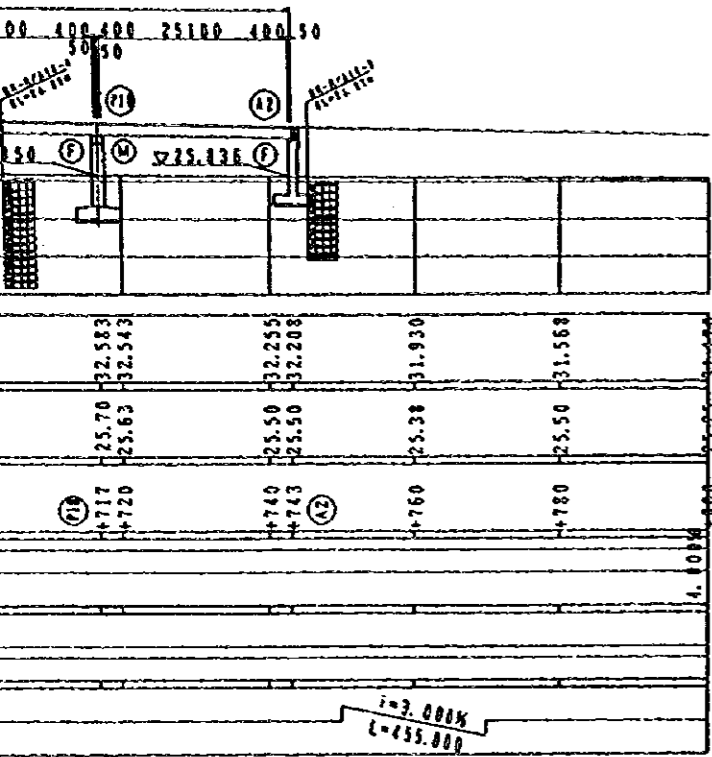


PLAN S=1:1000

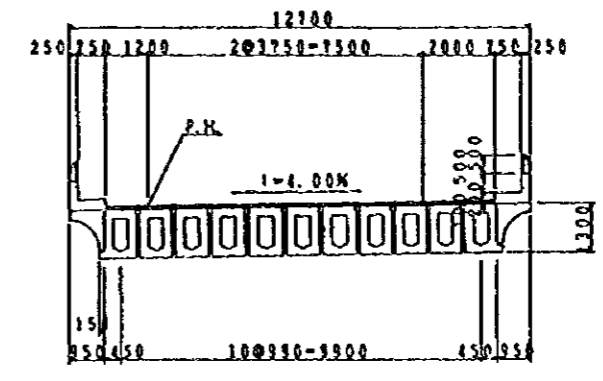




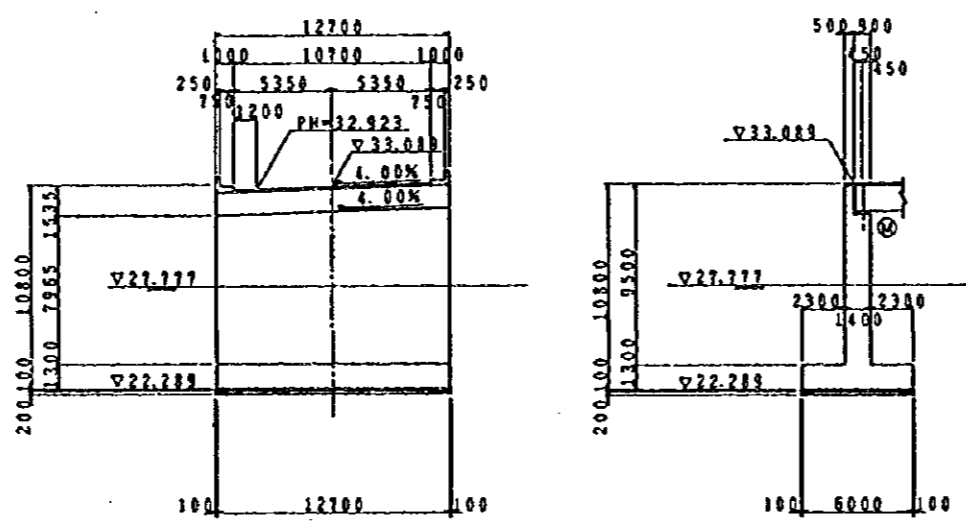
# A/14 FALAJ AL QABAIL (B-LINE)



SECTION OF PIERS S=1/400



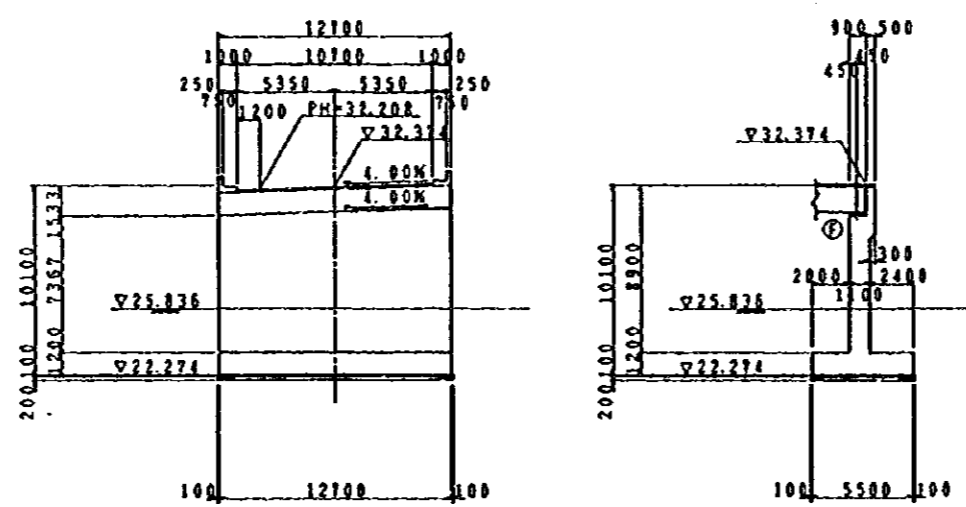
SECTION OF PC BOX GIRDER S=1:200



SECTION OF A1 ABUTMENT S=1/400

### LIST OF PIER ELEVATION

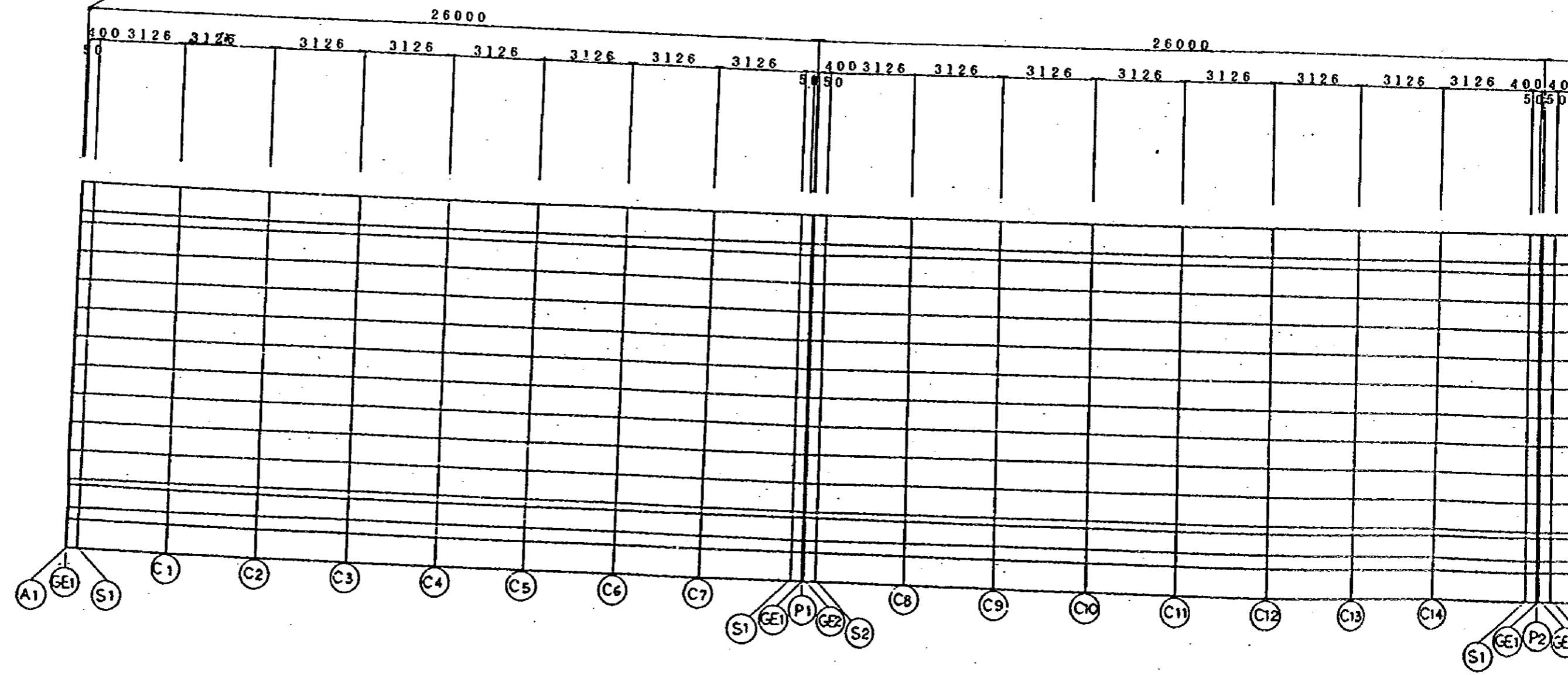
	PH1	PH2	PH3
P1	31.785	27.283	20.615
P2	31.967	26.789	20.851
P3	32.088	26.295	20.988
P4	32.147	25.980	21.047
P5	32.144	25.980	21.044
P6	32.079	25.980	20.974
P7	31.952	25.980	20.852
P8	31.763	26.178	20.663
P9	31.512	26.064	20.412
P10	31.199	25.950	20.059



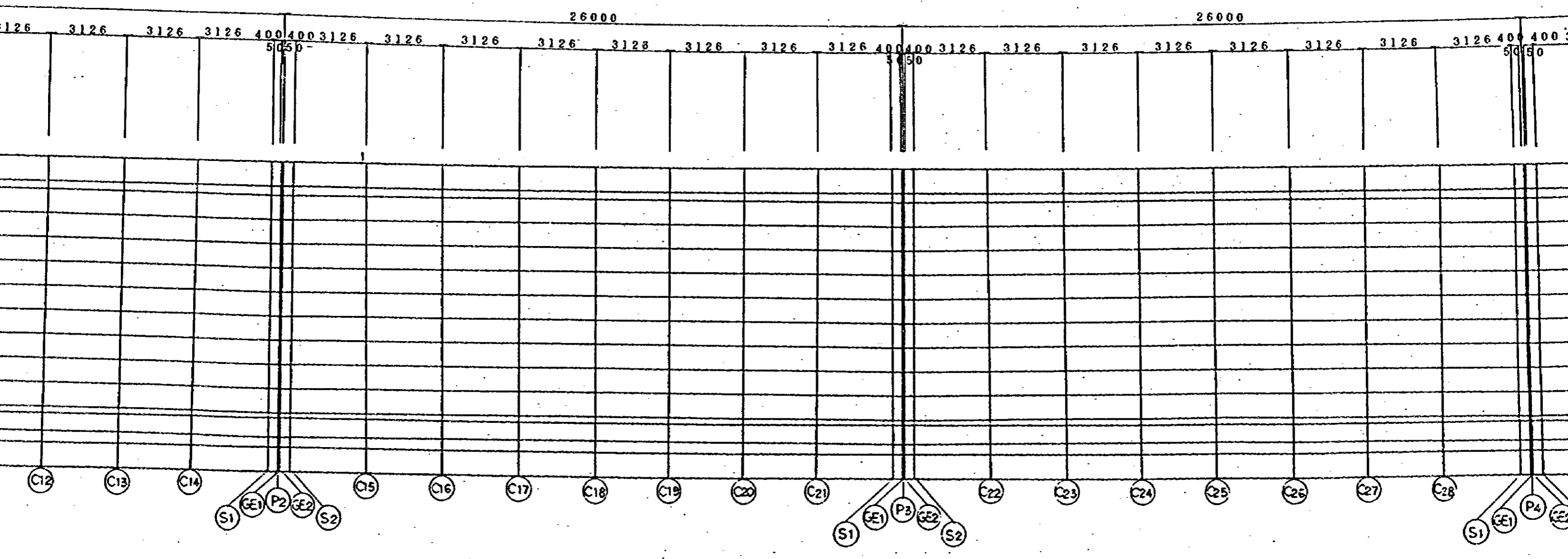
SECTION OF A2 ABUTMENT S=1/400

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 BAYINAH HIGHWAY
TITLE: GENERAL VIEW RA/14 FALAJAL QABAIL (B-LINE)	DATE:
DWGNO.	B-1

STA NO. 1+457.000

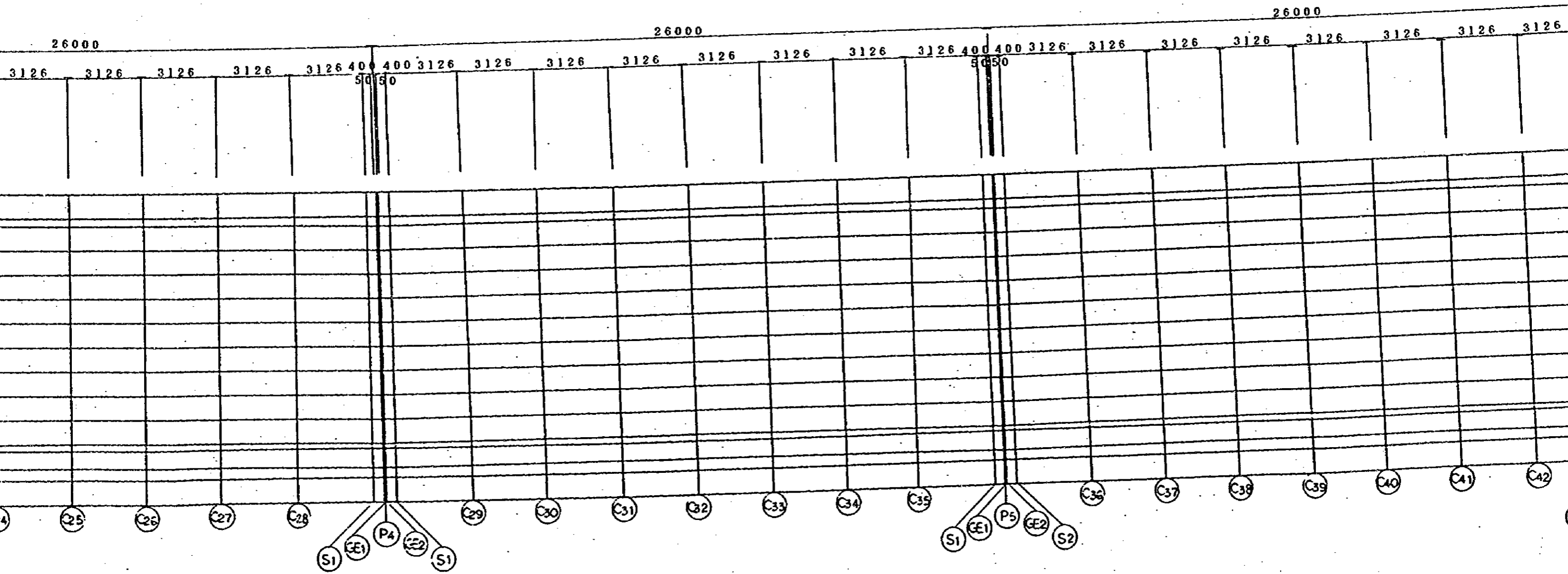


NOTES:

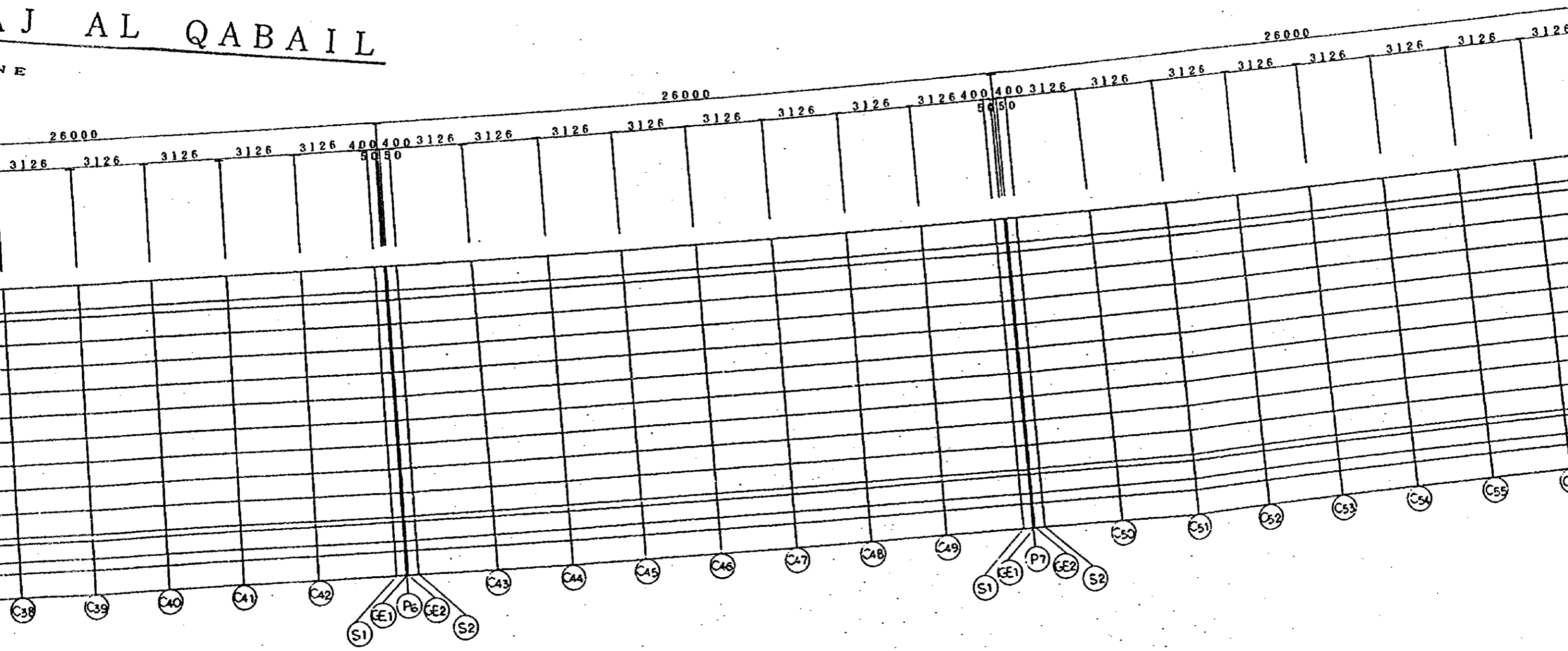


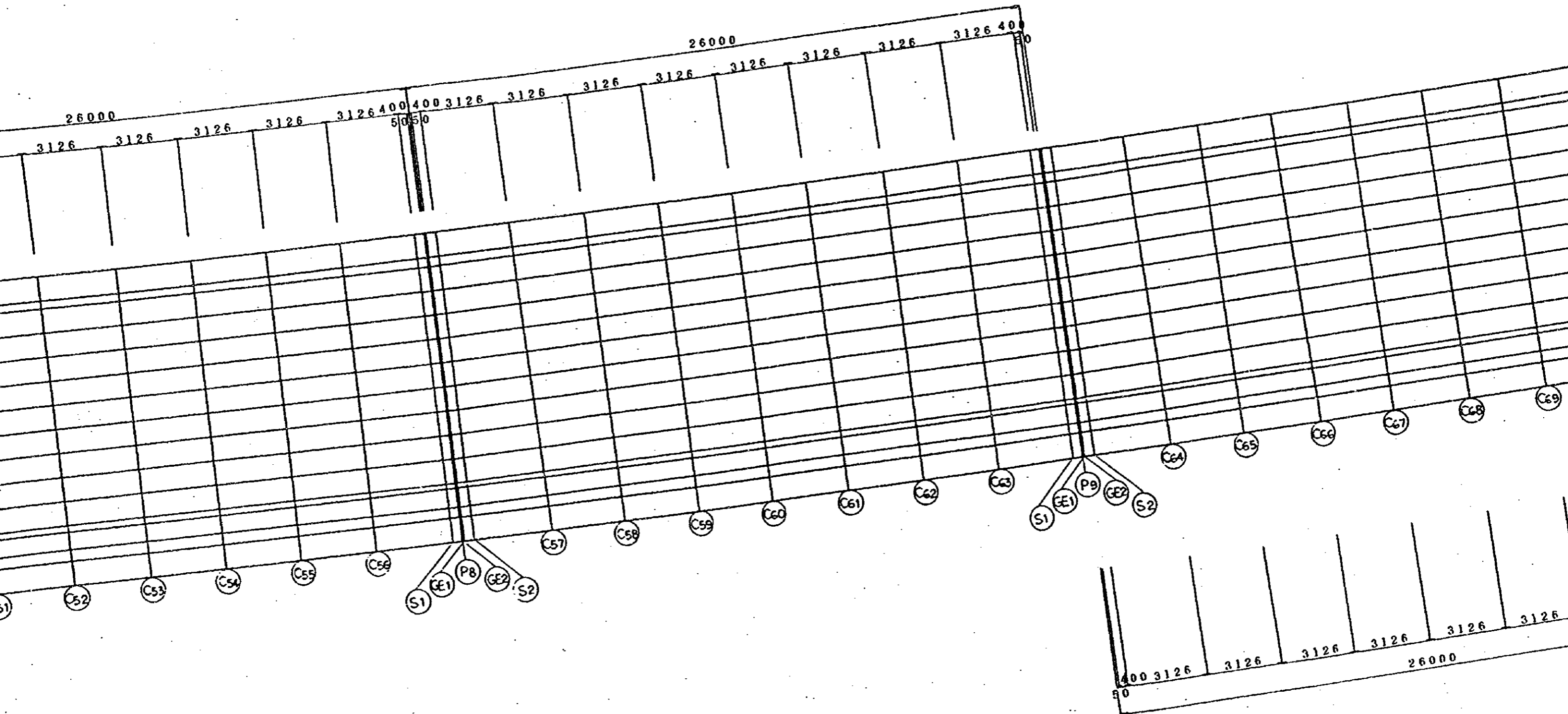
# RA/14-FALAJ AL QABAI

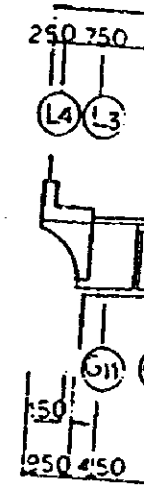
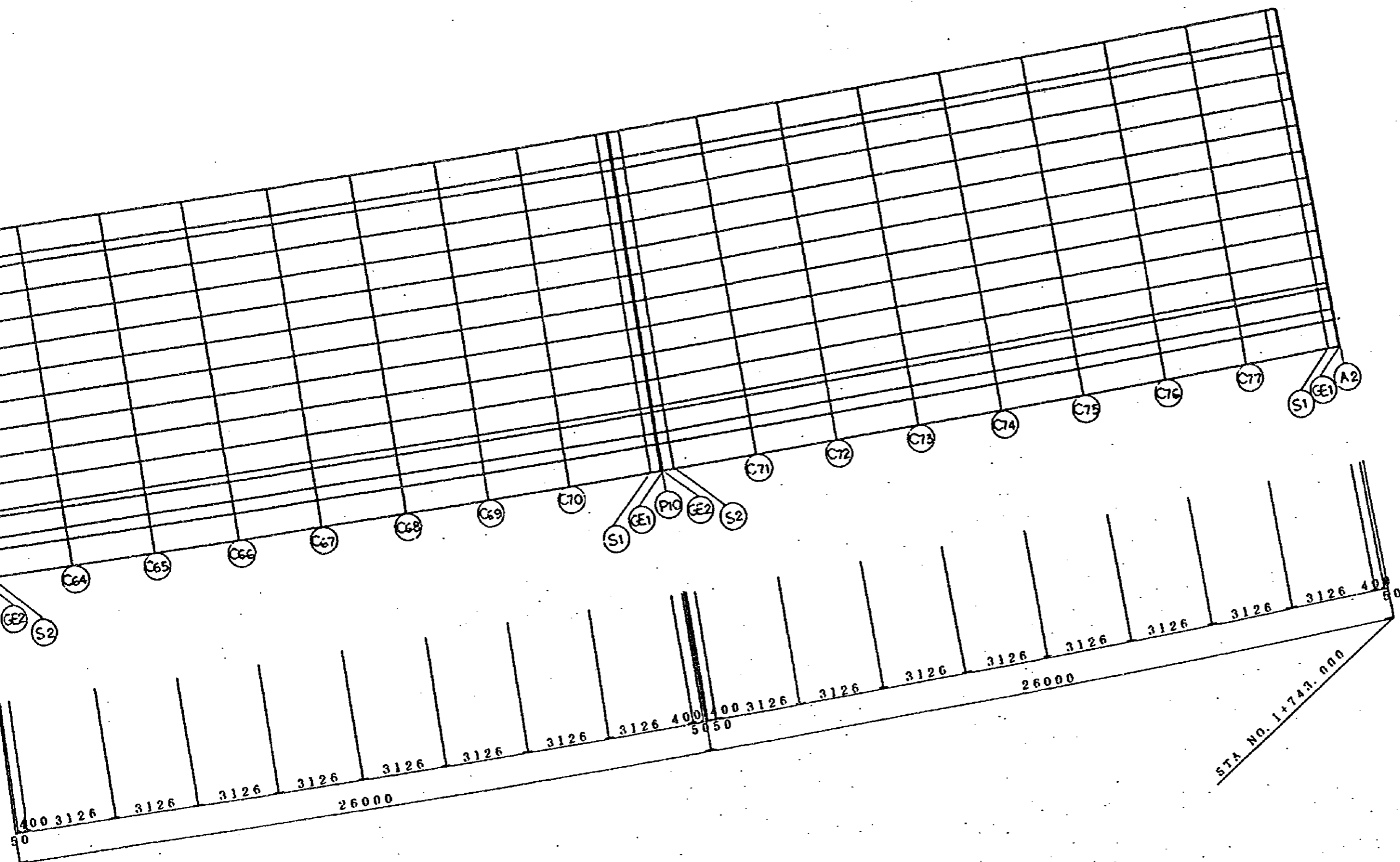
A-LINE



# J AL QABAIL

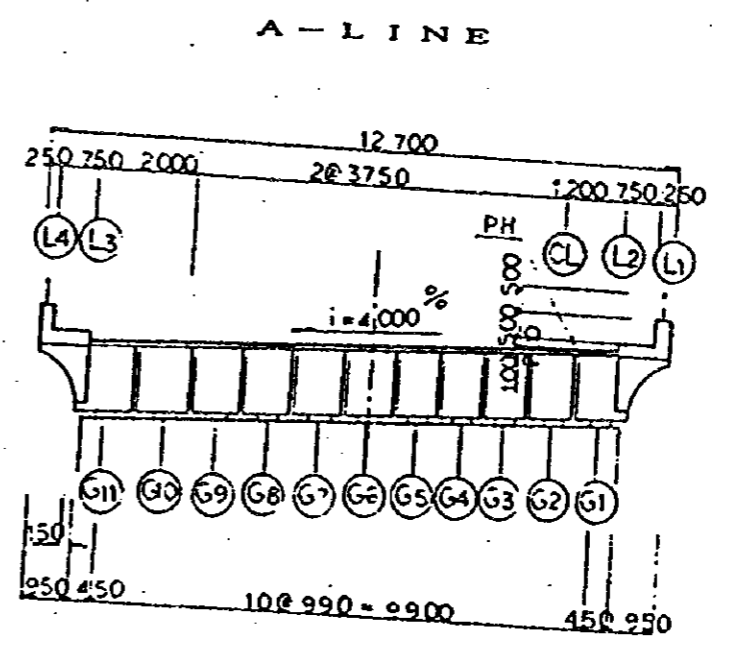
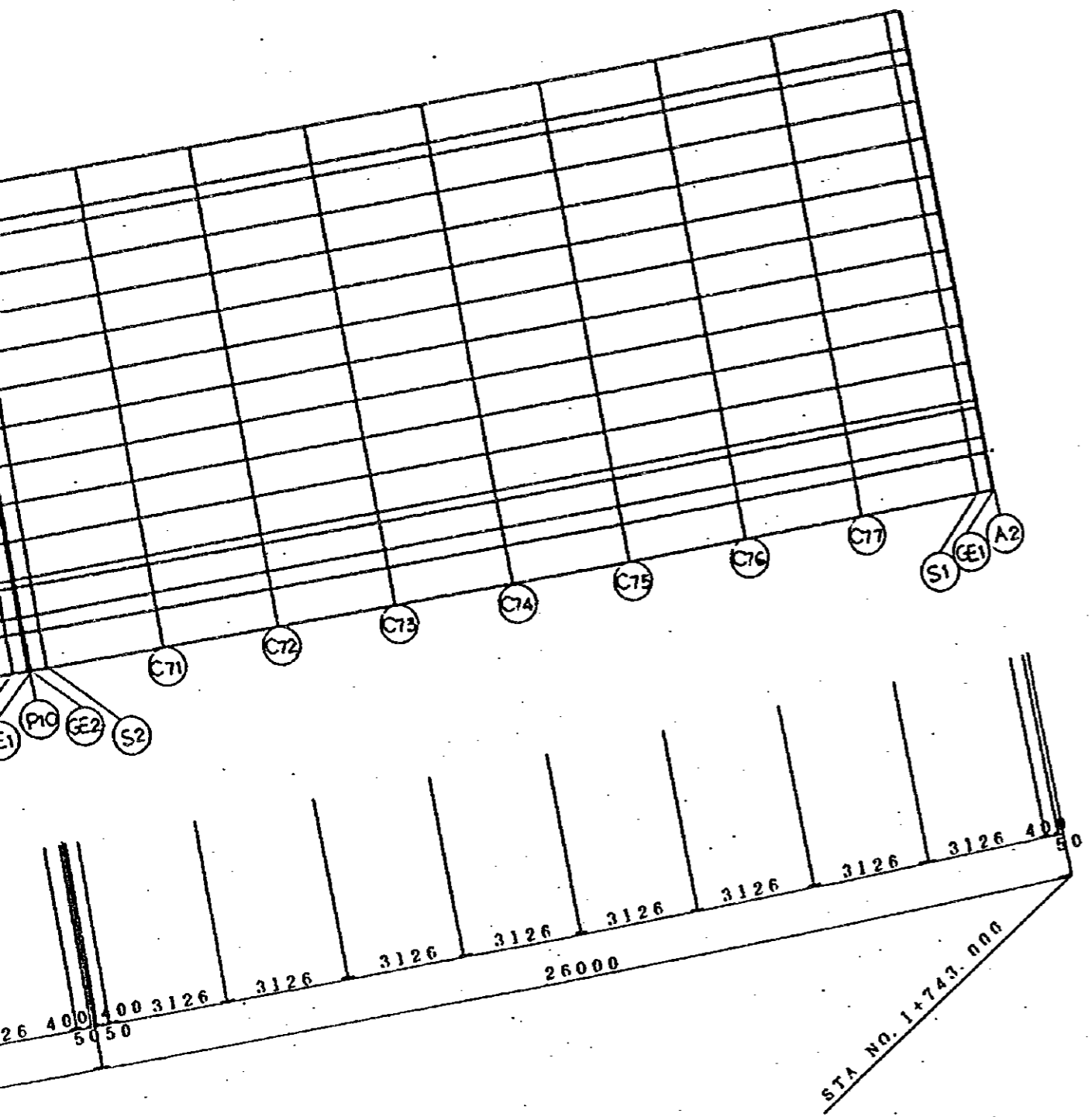






JAPAN INTERNATIONAL COOPERATION AGENCY  
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 FUKUYAMA CONSULTANTS INTERNATIONAL

CLIENT:  
 PROJECT:  
 TITLE:  
 DATE:



JAPAN INTERNATIONAL COOPERATION AGENCY  
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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 RA14 AT A-LINE  
DATE: \_\_\_\_\_ DWGNO. B-3



FALAJ AL QABAIL(A)

SECTION		A1	A1-GE1	A1-S1	C4	P1-S1	P1-GE1	P1	P1-GE2	P1-S2	O11	P2-S1	P2-GE1	P2
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	1 + 509.0000
L4	X	0.764	0.8137	1.2108	13.5635	25.9307	26.3287	26.3785	26.4282	26.8263	39.2073	51.6	51.9988	52.0486
	Y	6.3039	6.2979	6.2498	4.8237	3.5284	3.4889	3.484	3.479	3.4397	2.2848	1.261	1.2302	1.2264
	Z	32.7133	32.7138	32.7181	32.8434	32.9543	32.9577	32.9581	32.9585	32.9618	33.0573	33.1383	33.1407	33.141
L3	X	0.6437	0.6933	1.0904	13.4541	25.8322	26.2302	26.28	26.3297	26.7278	39.1197	51.5233	51.9221	51.9719
	Y	5.3111	5.3051	5.2571	3.8297	2.5332	2.4938	2.4888	2.4839	2.4446	1.2887	0.2639	0.2332	0.2293
	Z	32.8533	32.8538	32.8581	32.9834	33.0943	33.0977	33.0981	33.0985	33.1018	33.1973	33.2783	33.2807	33.281
G6(PIER CENTER)	X	0	0.0497	0.4473	12.8764	25.3055	25.7031	25.7528	25.8027	26.2011	38.6572	51.1134	51.5119	51.5817
	Y	0	-0.0055	-0.0492	-1.4176	-2.7859	-2.8297	-2.8351	-2.8395	-2.8746	-3.97	-5.0655	-5.1005	-5.1049
	Z	33.0673	33.0678	33.0718	33.1946	33.3082	33.3117	33.3121	33.3125	33.3156	33.4084	33.4921	33.4946	33.495
CL	X	-0.4994	-0.4497	-0.0526	12.4145	24.8962	25.2942	25.344	25.3937	25.7918	38.2875	50.7948	51.1936	51.2435
	Y	-4.1198	-4.1259	-4.1739	-5.6132	-6.9205	-6.96	-6.965	-6.9699	-7.0092	-8.1748	-9.2081	-9.2389	-9.2427
	Z	33.2333	33.2338	33.238	33.3634	33.4744	33.4777	33.4781	33.4785	33.4818	33.5773	33.6583	33.6607	33.661
L2	X	-0.6438	-0.5941	-0.197	12.2832	24.7779	25.176	25.2257	25.2755	25.6736	38.1823	50.7028	51.1016	51.1515
	Y	-5.3111	-5.3171	-5.3652	-6.806	-8.1147	-8.1542	-8.1591	-8.164	-8.2034	-9.3702	-10.4046	-10.4353	-10.4392
	Z	33.2813	33.2818	33.286	33.4114	33.5224	33.5257	33.5261	33.5265	33.5298	33.6253	33.7063	33.7087	33.709
L1	X	-0.7641	-0.7144	-0.3173	12.1737	24.6794	25.0775	25.1272	25.177	25.575	38.0947	50.6261	51.0249	51.0748
	Y	-6.3039	-6.3099	-6.3579	-7.8	-9.1098	-9.1493	-9.1542	-9.1592	-9.1985	-10.3664	-11.4016	-11.4324	-11.4362
	Z	33.2213	33.2218	33.226	33.3514	33.4624	33.4657	33.4661	33.4665	33.4698	33.5653	33.6463	33.6487	33.649

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	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	1 + 574.0000
5	26.4282	26.8263	39.2073	51.6	51.9988	52.0486	52.0985	52.4973	64.9007	77.3128	77.7122	77.7621	77.812	78.2114	90.6312	103.0568	103.4566	103.5065	103.5565	103.9563	116.3
4	3.479	3.4397	2.2848	1.261	1.2302	1.2264	1.2226	1.192	0.3088	-0.443	-0.465	-0.4677	-0.4705	-0.4923	-1.1032	-1.5827	-1.596	-1.5976	-1.5993	-1.6123	-1.9
1	32.9585	32.9618	33.0573	33.1383	33.1407	33.141	33.1412	33.1436	33.2091	33.2603	33.2617	33.2619	33.262	33.2634	33.2991	33.3203	33.3207	33.3208	33.3208	33.3213	33.3
8	26.3297	26.7278	39.1197	51.5233	51.9221	51.9719	52.0218	52.4206	64.8349	77.258	77.6574	77.7073	77.7572	78.1566	90.5873	103.0239	103.4237	103.4736	103.5236	103.9234	116.3
8	2.4839	2.4446	1.2887	0.2639	0.2332	0.2293	0.2255	0.1949	-0.689	-1.4415	-1.4635	-1.4662	-1.469	-1.4908	-2.1023	-2.5822	-2.5954	-2.5971	-2.5987	-2.6118	-2.9
1	33.0985	33.1018	33.1973	33.2783	33.2807	33.281	33.2812	33.2836	33.3491	33.4003	33.4017	33.4019	33.402	33.4034	33.4391	33.4603	33.4607	33.4608	33.4608	33.4613	33.4
8	25.8027	26.2011	38.6572	51.1134	51.5119	51.5617	51.6116	52.0108	64.4879	76.9651	77.3642	77.4141	77.4641	77.8637	90.3559	102.8481	103.2477	103.2977	103.3477	103.7476	116.2
1	-2.8395	-2.8746	-3.97	-5.0655	-5.1005	-5.1049	-5.1082	-5.1345	-5.9565	-6.7786	-6.8049	-6.8082	-6.8104	-6.8279	-7.3762	-7.9244	-7.942	-7.9442	-7.9453	-7.954	-8.2
1	33.3125	33.3156	33.4084	33.4921	33.4946	33.495	33.4952	33.4974	33.5603	33.6141	33.6157	33.6159	33.616	33.6172	33.6502	33.6741	33.6747	33.6748	33.6748	33.6751	33.6
4	25.3937	25.7918	38.2875	50.7948	51.1936	51.2435	51.2933	51.6922	64.2104	76.7374	77.1368	77.1867	77.2366	77.636	90.1708	102.7114	103.1112	103.1612	103.2112	103.611	116.15
5	-6.9699	-7.0092	-8.1748	-9.2081	-9.2389	-9.2427	-9.2465	-9.2771	-10.1684	-10.9272	-10.9492	-10.952	-10.9547	-10.9765	-11.5931	-12.077	-12.0903	-12.0919	-12.0936	-12.1066	-12.44
1	33.4785	33.4818	33.5773	33.6583	33.6607	33.661	33.6612	33.6636	33.7291	33.7803	33.7817	33.7819	33.782	33.7834	33.8191	33.8403	33.8407	33.8408	33.8408	33.8413	33.8
7	25.2755	25.6736	38.1823	50.7028	51.1016	51.1515	51.2013	51.6002	64.1315	76.6716	77.071	77.121	77.1709	77.5703	90.1182	102.672	103.0718	103.1217	103.1717	103.5715	116.12
1	-8.164	-8.2034	-9.3702	-10.4046	-10.4353	-10.4392	-10.443	-10.4736	-11.3658	-12.1254	-12.1474	-12.1502	-12.1529	-12.1747	-12.792	-13.2764	-13.2896	-13.2913	-13.2929	-13.306	-13.6
1	33.5265	33.5298	33.6253	33.7063	33.7087	33.709	33.7092	33.7116	33.7771	33.8283	33.8297	33.8299	33.83	33.8314	33.8671	33.8883	33.8887	33.8888	33.8888	33.8893	33.8
2	25.177	25.575	38.0947	50.6261	51.0249	51.0748	51.1246	51.5235	64.0657	76.6168	77.0162	77.0662	77.1161	77.5155	90.0743	102.6391	103.0389	103.0888	103.1388	103.5386	116.1
2	-9.1592	-9.1985	-10.3664	-11.4016	-11.4324	-11.4362	-11.44	-11.4706	-12.3637	-13.1239	-13.1459	-13.1487	-13.1514	-13.1732	-13.791	-14.2759	-14.2891	-14.2907	-14.2924	-14.3055	-14.64
1	33.4665	33.4698	33.5653	33.6463	33.6487	33.649	33.6492	33.6516	33.7171	33.7683	33.7697	33.7699	33.77	33.7714	33.8071	33.8283	33.8287	33.8288	33.8288	33.8293	33.8

FRAMING PLAN AT RA/14 FALAJ AL QABAIL (A-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	C46	P7-S1	P7-GE1
+ 548.0000	+ 560.5500	+ 560.9500	+ 561.0000	+ 561.0500	+ 561.4500	+ 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
90.6312	103.0568	103.4566	103.5065	103.5565	103.9563	116.3865	128.8198	129.2196	129.2696	129.3196	129.7195	142.1541	154.5888	154.9888	155.0388	155.0888	155.4887	167.9218	180.352	180.7518
-1.1032	-1.5827	-1.596	-1.5976	-1.5993	-1.6123	-1.9508	-2.1577	-2.1621	-2.1627	-2.1632	-2.1675	-2.2333	-2.1675	-2.1632	-2.1627	-2.1621	-2.1577	-1.9508	-1.6123	-1.5993
33.2991	33.3203	33.3207	33.3208	33.3208	33.3213	33.327	33.3183	33.3178	33.3178	33.3177	33.3172	33.293	33.2544	33.2529	33.2528	33.2526	33.2511	33.197	33.1285	33.1261
90.5873	103.0239	103.4237	103.4736	103.5236	103.9234	116.3645	128.8086	129.2086	129.2586	129.3086	129.7086	142.1541	154.5998	154.9997	155.0497	155.0997	155.4997	167.9437	180.3849	180.7847
-2.1023	-2.5822	-2.5954	-2.5971	-2.5987	-2.6116	-2.9505	-3.1576	-3.1621	-3.1626	-3.1632	-3.1675	-3.2333	-3.1675	-3.1632	-3.1626	-3.1621	-3.1576	-2.9505	-2.6116	-2.5987
33.4391	33.4603	33.4607	33.4608	33.4608	33.4613	33.467	33.4583	33.4578	33.4578	33.4577	33.4572	33.433	33.3944	33.3929	33.3928	33.3926	33.3911	33.337	33.2685	33.2681
90.3559	102.8481	103.2477	103.2977	103.3477	103.7476	116.2488	128.75	129.1499	129.1999	129.2499	129.65	142.1541	154.6584	155.0584	155.1084	155.1584	155.5583	168.0595	180.5607	180.9607
-7.3762	-7.9244	-7.942	-7.9442	-7.9453	-7.954	-8.2282	-8.5024	-8.5112	-8.5123	-8.5123	-8.5123	-8.5123	-8.5123	-8.5123	-8.5123	-8.5112	-8.5024	-8.2283	-7.9541	-7.9453
33.6502	33.6741	33.6747	33.6748	33.6748	33.6751	33.6782	33.6721	33.6718	33.6718	33.6717	33.671	33.6442	33.6082	33.6069	33.6068	33.6065	33.6049	33.5482	33.4823	33.4801
90.1708	102.7114	103.1112	103.1612	103.2112	103.611	116.1562	128.7045	129.1044	129.1544	129.2044	129.6044	142.1541	154.7039	155.1039	155.1539	155.2039	155.6039	168.152	180.6974	181.0972
-11.5931	-12.077	-12.0903	-12.0919	-12.0936	-12.1066	-12.4482	-12.657	-12.6615	-12.6621	-12.6626	-12.6669	-12.7333	-12.6669	-12.6626	-12.6621	-12.6615	-12.657	-12.4483	-12.1067	-12.0936
33.8191	33.8403	33.8407	33.8408	33.8408	33.8413	33.847	33.8383	33.8378	33.8378	33.8377	33.8372	33.813	33.7744	33.7729	33.7728	33.7726	33.7711	33.717	33.6485	33.6461
90.1182	102.672	103.0718	103.1217	103.1717	103.5715	116.1299	128.6913	129.0913	129.1413	129.1913	129.5912	142.1541	154.7171	155.1171	155.1671	155.2171	155.617	168.1784	180.7368	181.1366
-12.792	-13.2764	-13.2896	-13.2913	-13.2929	-13.306	-13.648	-13.857	-13.8614	-13.862	-13.8625	-13.8668	-13.9333	-13.8668	-13.8625	-13.862	-13.8614	-13.857	-13.648	-13.306	-13.2929
33.8671	33.8883	33.8887	33.8888	33.8888	33.8893	33.895	33.8863	33.8858	33.8858	33.8857	33.8852	33.861	33.8224	33.8209	33.8208	33.8206	33.8191	33.765	33.6965	33.6941
90.0743	102.6391	103.0389	103.0888	103.1388	103.5386	116.108	128.6803	129.0803	129.1303	129.1803	129.5803	142.1541	154.728	155.128	155.178	155.228	155.628	168.2003	180.7697	181.1695
-13.791	-14.2759	-14.2891	-14.2907	-14.2924	-14.3055	-14.6477	-14.8569	-14.8614	-14.8619	-14.8625	-14.8668	-14.9333	-14.8668	-14.8625	-14.8619	-14.8614	-14.8569	-14.6477	-14.3055	-14.2924
33.8071	33.8283	33.8287	33.8288	33.8288	33.8293	33.835	33.8263	33.8258	33.8258	33.8257	33.8252	33.801	33.7624	33.7609	33.7608	33.7606	33.7591	33.705	33.6365	33.6341

(A-LINE)

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	P9-S1	P9-GE1	P9	P9-GE2
12.9500	1 + 613.0000	1 + 613.0500	1 + 613.4500	1 + 626.0000	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
4.9888	155.0388	155.0888	155.4887	167.9218	180.352	180.7518	180.8018	180.8518	181.2516	193.6771	206.0969	206.4963	206.5462	206.5962	206.9956	219.4076	231.811	232.2099	232.2597	232.3096
2.1632	-2.1627	-2.1621	-2.1577	-1.9508	-1.6123	-1.5993	-1.5976	-1.596	-1.5827	-1.1033	-0.4923	-0.4705	-0.4678	-0.465	-0.443	0.3088	1.1919	1.2225	1.2263	1.2302
3.2529	33.2528	33.2526	33.2511	33.197	33.1285	33.1261	33.1258	33.1255	33.123	33.0391	32.9407	32.9373	32.9369	32.9364	32.933	32.8192	32.6909	32.6865	32.686	32.6854
4.9997	155.0497	155.0997	155.4997	167.9437	180.3849	180.7847	180.8347	180.8847	181.2844	193.7209	206.1517	206.5511	206.601	206.651	207.0504	219.4733	231.8877	232.2865	232.3364	232.3862
3.1632	-3.1626	-3.1621	-3.1576	-2.9505	-2.6118	-2.5987	-2.5971	-2.5954	-2.5822	-2.1023	-1.4908	-1.469	-1.4663	-1.4635	-1.4415	-0.689	0.1949	0.2255	0.2293	0.2331
3.3929	33.3928	33.3926	33.3911	33.337	33.2685	33.2661	33.2658	33.2655	33.263	33.1791	33.0807	33.0773	33.0769	33.0764	33.073	32.9592	32.8309	32.8265	32.826	32.8254
5.0584	155.1084	155.1584	155.5583	168.0595	180.5607	180.9607	181.0106	181.0606	181.4602	193.9524	206.4446	206.8442	206.8942	206.9441	207.3433	219.8204	232.2976	232.6967	232.7466	232.7964
8.5123	-8.5123	-8.5112	-8.5024	-8.2283	-7.9541	-7.9453	-7.9442	-7.942	-7.9245	-7.3762	-6.828	-6.8104	-6.8082	-6.8049	-6.7786	-5.9566	-5.1345	-5.1082	-5.105	-5.1006
3.6069	33.6068	33.6065	33.6049	33.5482	33.4823	33.4801	33.4798	33.4795	33.4768	33.3902	33.2945	33.2913	33.2909	33.2904	33.2868	33.1703	33.0446	33.0405	33.04	33.0394
5.1039	155.1539	155.2039	155.6039	168.152	180.6974	181.0972	181.1471	181.1971	181.5969	194.1375	206.6723	207.0717	207.1216	207.1715	207.5709	220.0979	232.6162	233.015	233.0648	233.1147
2.6626	-12.6621	-12.6615	-12.657	-12.4483	-12.1067	-12.0936	-12.0919	-12.0903	-12.0771	-11.5932	-10.9766	-10.9547	-10.952	-10.9493	-10.9272	-10.1685	-9.2772	-9.2466	-9.2427	-9.2389
3.7729	33.7728	33.7726	33.7711	33.717	33.6485	33.6461	33.6458	33.6455	33.643	33.5591	33.4607	33.4573	33.4569	33.4564	33.453	33.3392	33.2108	33.2065	33.206	33.2054
5.1171	155.1671	155.2171	155.617	168.1784	180.7368	181.1366	181.1866	181.2366	181.6363	194.1901	206.738	207.1374	207.1874	207.2373	207.6367	220.1768	232.7082	233.107	233.1569	233.2067
3.8625	-13.862	-13.8614	-13.857	-13.648	-13.306	-13.2929	-13.2913	-13.2897	-13.2764	-12.792	-12.1748	-12.1529	-12.1502	-12.1474	-12.1254	-11.3659	-10.4736	-10.443	-10.4392	-10.4354
3.8209	33.8208	33.8206	33.8191	33.765	33.6965	33.6941	33.6938	33.6935	33.691	33.6071	33.5086	33.5053	33.5049	33.5044	33.501	33.3872	33.2588	33.2545	33.254	33.2534
5.128	155.178	155.228	155.628	168.2003	180.7697	181.1695	181.2195	181.2695	181.6692	194.2339	206.7928	207.1922	207.2422	207.2921	207.6915	220.2425	232.7849	233.1837	233.2335	233.2834
4.8625	-14.8619	-14.8614	-14.8569	-14.6477	-14.3055	-14.2924	-14.2908	-14.2891	-14.2759	-13.7911	-13.1733	-13.1514	-13.1487	-13.1459	-13.1239	-12.3637	-11.4707	-11.4401	-11.4363	-11.4324
3.7609	33.7608	33.7606	33.7591	33.705	33.6365	33.6341	33.6338	33.6335	33.631	33.5471	33.4486	33.4453	33.4449	33.4444	33.441	33.3272	33.1988	33.1945	33.194	33.1934

P8-GE2	P8-S2	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
665.0500	1 + 665.4500	1 + 678.0000	1 + 690.5500	1 + 690.9500	1 + 691.0000	1 + 691.0500	1 + 691.4500	1 + 704.0000	1 + 716.5500	1 + 716.9500	1 + 717.0000	1 + 717.0500	1 + 717.4500	1 + 730.0000	1 + 742.5500	1 + 742.9500	1 + 743.0000
206.5962	206.9956	219.4076	231.811	232.2099	232.2597	232.3096	232.7084	245.1009	257.482	257.8801	257.9299	257.9796	258.3777	270.7448	283.0976	283.4947	283.5443
-0.465	-0.443	0.3088	1.1919	1.2225	1.2263	1.2302	1.2609	2.2848	3.4397	3.479	3.4839	3.4888	3.5283	4.8236	6.2497	6.2978	6.3038
32.9364	32.933	32.8192	32.6909	32.6865	32.686	32.6854	32.681	32.5373	32.3791	32.3738	32.3731	32.3724	32.3671	32.1934	32.0053	31.999	31.9983
206.651	207.0504	219.4733	231.8877	232.2865	232.3364	232.3862	232.7851	245.1885	257.5806	257.9786	258.0284	258.0781	258.4762	270.8542	283.2179	283.615	283.6646
-1.4635	-1.4415	-0.689	0.1949	0.2255	0.2293	0.2331	0.2639	1.2886	2.4445	2.4838	2.4888	2.4937	2.5332	3.8296	5.257	5.3051	5.3111
33.0764	33.073	32.9592	32.8309	32.8265	32.826	32.8254	32.821	32.6773	32.5191	32.5138	32.5131	32.5124	32.5071	32.3334	32.1453	32.139	32.1383
206.9441	207.3433	219.8204	232.2976	232.6967	232.7466	232.7964	233.1949	245.651	258.1072	258.5057	258.5555	258.6052	259.0028	271.4319	283.861	284.2587	284.3084
-6.8049	-6.7786	-5.9588	-5.1345	-5.1082	-5.105	-5.1006	-5.0655	-3.9701	-2.8746	-2.8396	-2.8352	-2.8297	-2.786	-1.4176	-0.0493	-0.0055	0
33.2904	33.2868	33.1703	33.0446	33.0405	33.04	33.0394	33.0349	32.8884	32.7329	32.7277	32.7271	32.7264	32.7209	32.5446	32.3591	32.353	32.3523
207.1715	207.5709	220.0979	232.6162	233.015	233.0648	233.1147	233.5135	246.0208	258.5165	258.9146	258.9644	259.0141	259.4122	271.8938	284.361	284.7581	284.8077
-10.9493	-10.9272	-10.1685	-9.2772	-9.2466	-9.2427	-9.2389	-9.2081	-8.1749	-7.0093	-6.9699	-6.965	-6.9601	-6.9206	-5.6133	-4.174	-4.1259	-4.1199
33.4564	33.453	33.3392	33.2108	33.2065	33.206	33.2054	33.2011	33.0573	32.899	32.8937	32.8931	32.8924	32.8871	32.7134	32.5253	32.519	32.5183
207.2373	207.6367	220.1768	232.7082	233.107	233.1569	233.2067	233.6055	246.1259	258.6348	259.0328	259.0826	259.1323	259.5304	272.0251	284.5053	284.9024	284.9521
-12.1474	-12.1254	-11.3659	-10.4736	-10.443	-10.4392	-10.4354	-10.4048	-9.3703	-8.2034	-8.1641	-8.1592	-8.1542	-8.1148	-6.8061	-5.3653	-5.3172	-5.3112
33.5044	33.501	33.3872	33.2588	33.2545	33.254	33.2534	33.2491	33.1053	32.947	32.9417	32.9411	32.9404	32.9351	32.7614	32.5733	32.567	32.5663
207.2921	207.6915	220.2425	232.7849	233.1837	233.2335	233.2834	233.6822	246.2135	258.7333	259.1313	259.1811	259.2309	259.6289	272.1345	284.8257	285.0228	285.0724
-13.1459	-13.1239	-12.3637	-11.4707	-11.4401	-11.4363	-11.4324	-11.4017	-10.3664	-9.1986	-9.1592	-9.1543	-9.1494	-9.1099	-7.8001	-6.358	-6.3099	-6.3039
33.4444	33.441	33.3272	33.1988	33.1945	33.194	33.1934	33.1891	33.0453	32.887	32.8817	32.8811	32.8804	32.8751	32.7014	32.5133	32.507	32.5063

P10	P10-GE2	P10-S2	C74	A2-S1	A2-GE1	A2
+ 717.0000	+ 717.0500	+ 717.4500	+ 730.0000	+ 742.5500	+ 742.9500	+ 743.0000
257.9299	257.9796	258.3777	270.7448	283.0976	283.4947	283.5443
3.4839	3.4888	3.5283	4.8236	6.2497	6.2978	6.3038
32.3731	32.3724	32.3671	32.1934	32.0053	31.999	31.9983
258.0284	258.0781	258.4762	270.8542	283.2179	283.615	283.6646
2.4888	2.4937	2.5332	3.8296	5.257	5.3051	5.3111
32.5131	32.5124	32.5071	32.3334	32.1453	32.139	32.1383
258.5555	258.6052	259.0028	271.4319	283.861	284.2587	284.3084
-2.8352	-2.8297	-2.786	-1.4176	-0.0493	-0.0055	0
32.7271	32.7264	32.7209	32.5446	32.3591	32.353	32.3523
258.9644	259.0141	259.4122	271.8938	284.361	284.7581	284.8077
-6.965	-6.9601	-6.9206	-5.6133	-4.174	-4.1259	-4.1199
32.8931	32.8924	32.8871	32.7134	32.5253	32.519	32.5183
259.0826	259.1323	259.5304	272.0251	284.5053	284.9024	284.9521
-8.1592	-8.1542	-8.1148	-6.8081	-5.3653	-5.3172	-5.3112
32.9411	32.9404	32.9351	32.7614	32.5733	32.567	32.5663
259.1811	259.2309	259.6289	272.1345	284.6257	285.0228	285.0724
-9.1543	-9.1494	-9.1099	-7.8001	-6.358	-6.3099	-6.3039
32.8811	32.8804	32.8751	32.7014	32.5133	32.507	32.5063

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 BAYINAH HIGHWAY

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

DATE

DWGNO.

B-4