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Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

<b>PROJ. REFERENCE NO.</b>	<b>SHEET NO.</b>
R-2915A	X-1A

Quantities are approximate only. The Resident Engineer will recross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid.

**NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT.**

## CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt
L	(cu. yd.)	(cu. yd.)	L (LT)	(cu. yd.)	(cu. yd.)	L (LT)	(cu. yd.)	(cu. yd.)	L (LT)	(cu. yd.)	(cu. yd.)	L (LT)	(cu. yd.)	(cu. yd.)	L (LT)	(cu. yd.)	(cu. yd.)
10+00.00	0	2167	36+00.00	6	464	60+50.00	34	13	85+00.00	31	27	109+50.00	0	308	134+00.00	0	196
10+22.63	0	2937	36+50.00	4	549	61+00.00	44	8	85+50.00	33	13	110+00.00	0	186	134+50.00	1	177
			37+00.00	1	616	61+50.00	81	15	86+00.00	42	4	110+50.00	0	45	135+00.00	3	135
<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	37+50.00	0	671	62+00.00	54	16	86+50.00	60	2	111+00.00	0	44	135+50.00	2	122
			38+00.00	0	674	62+50.00	41	20	87+00.00	98	0	111+50.00	0	87	136+00.00	0	121
<b>L (LT)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	38+50.00	0	721	63+00.00	26	27	87+50.00	122	0	112+00.00	0	90	136+50.00	0	117
12+50.00	0	3244	39+00.00	0	786	63+50.00	3	35	88+00.00	126	0	112+50.00	18	25	137+00.00	0	119
13+00.00	0	3801	39+50.00	0	798	64+00.00	2	43	88+50.00	78	5	113+00.00	56	6	137+50.00	0	105
13+50.00	130	4154	40+00.00	0	951	64+50.00	2	86	89+00.00	15	71	113+50.00	76	6	138+00.00	1	112
14+00.00	169	4256	40+50.00	0	1089	65+00.00	2	138	89+50.00	1	115	114+00.00	73	8	138+50.00	2	131
14+50.00	39	3827	41+00.00	0	1033	65+50.00	2	168	90+00.00	4	139	114+50.00	37	18	139+00.00	3	133
15+00.00	0	3776	41+50.00	0	989	66+00.00	2	156	90+50.00	6	191	115+00.00	2	31	139+50.00	4	69
15+50.00	0	4097	42+00.00	0	1000	66+50.00	3	71	91+00.00	6	210	115+50.00	1	54	140+00.00	5	28
16+00.00	0	4139				67+00.00	6	14	91+50.00	6	228	116+00.00	27	46	140+50.00	5	86
16+50.00	0	3999	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	67+50.00	10	26	92+00.00	6	246	116+50.00	130	21	141+00.00	8	68
17+00.00	0	3749				68+00.00	7	105	92+50.00	5	242	117+00.00	320	19	141+50.00	23	13
17+50.00	0	3503	<b>L (LT)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	68+50.00	3	273	93+00.00	3	321	117+50.00	453	17	142+00.00	24	19
18+00.00	0	3289	42+50.00	0	990	69+00.00	2	306	93+50.00	7	483	118+00.00	509	17	142+50.00	14	48
18+50.00	0	3269	43+00.00	0	975	69+50.00	2	146	94+00.00	13	606	118+50.00	575	17	143+00.00	9	87
19+00.00	0	3180	43+50.00	0	1019	70+00.00	1	56	94+50.00	14	743	119+00.00	602	18	143+50.00	5	109
19+50.00	0	3035	44+00.00	0	1172	70+50.00	2	42	95+00.00	21	665	119+50.00	615	16	144+00.00	4	109
20+00.00	0	2994	44+50.00	0	1396	71+00.00	9	29	95+50.00	70	258	120+00.00	447	12	144+50.00	11	116
20+50.00	0	2872	45+00.00	0	1645	71+50.00	11	27	96+00.00	128	25	120+50.00	132	436	145+00.00	14	134
21+00.00	0	2709	45+50.00	0	1719	72+00.00	5	52	96+50.00	143	56	121+00.00	0	872	145+50.00	34	146
21+50.00	0	2432	46+00.00	0	1189				97+00.00	129	80	121+50.00	0	850	146+00.00	67	144
22+00.00	0	1992	46+50.00	0	363	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	97+50.00	97	111	122+00.00	0	771	146+50.00	84	134
22+50.00	0	1463	47+00.00	0	367				98+00.00	84	69	122+50.00	0	681	147+00.00	54	144
23+00.00	0	1188	47+50.00	0	711	<b>L (LT)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	98+50.00	76	1	123+00.00	0	625	147+50.00	27	133
23+50.00	0	1212	48+00.00	0	701	72+50.00	9	42	99+00.00	38	3	123+50.00	0	641	148+00.00	78	68
24+00.00	0	994	48+50.00	0	720	73+00.00	17	6	99+50.00	11	6	124+00.00	0	731	148+50.00	168	14
24+50.00	19	644	49+00.00	0	648	73+50.00	21	4	100+00.00	6	15	124+50.00	0	725	149+00.00	249	1
25+00.00	78	517	49+50.00	0	504	74+00.00	26	3	100+50.00	4	72	125+00.00	0	678	149+50.00	345	3
25+50.00	141	435	50+00.00	0	429	74+50.00	19	14	101+00.00	3	219	125+50.00	0	739	150+00.00	573	5
26+00.00	213	389	50+50.00	0	433	75+00.00	10	19	101+50.00	1	286	126+00.00	0	736	150+50.00	669	12
26+50.00	168	350	51+00.00	0	454	75+50.00	6	157	102+00.00	1	259	126+50.00	0	693	151+00.00	524	28
27+00.00	81	284	51+50.00	0	528	76+00.00	6	182				127+00.00	0	799	151+50.00	350	60
27+50.00	91	220	52+00.00	0	784	76+50.00	8	39	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	127+50.00	0	1053	152+00.00	184	108
28+00.00	75	146	52+50.00	0	815	77+00.00	32	6				128+00.00	0	1445	152+50.00	56	221
28+50.00	39	94	53+00.00	0	658	77+50.00	66	0	<b>L (LT)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	128+50.00	0	1318	153+00.00	0	309
29+00.00	16	48	53+50.00	0	581	78+00.00	87	3	102+50.00	2	265	129+00.00	0	864	153+50.00	0	428
29+50.00	11	19	54+00.00	0	454	78+50.00	95	8	103+00.00	1	268	129+50.00	0	820	154+00.00	0	607
30+00.00	33	7	54+50.00	0	395	79+00.00	59	36	103+50.00	0	290	130+00.00	0	789	154+50.00	0	615
30+50.00	58	6	55+00.00	2	304	79+50.00	16	59	104+00.00	1	324	130+50.00	1	653	155+00.00	3	405
31+00.00	55	8	55+50.00	9	154	80+00.00	4	70	104+50.00	1	354	131+00.00	2	519	155+50.00	5	231
31+50.00	29	13	56+00.00	11	81	80+50.00	3	83	105+00.00	0	369	131+50.00	2	403	156+00.00	5	202
32+00.00	9	19	56+50.00	7	84	81+00.00	2	73	105+50.00	0	356	132+00.00	2	281	156+50.00	12	112
32+50.00	14	19	57+00.00	7	93	81+50.00	19	53	106+00.00	0	327				157+00.00	20	30
33+00.00	11	22	57+50.00	8	80	82+00.00	84	31	106+50.00	1	273	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	157+50.00	20	25
33+50.00	5	36	58+00.00	9	58	82+50.00	132	13	107+00.00	1	271				158+00.00	17	31
34+00.00	5	63	58+50.00	9	44	83+00.00	116	7	107+50.00	2	231	<b>L (LT)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	158+50.00	17	27
34+50.00	4	107	59+00.00	8	34	83+50.00	83	8	108+00.00	3	169	132+50.00	2	171	159+00.00	15	21
35+00.00	4	198	59+50.00	5	31	84+00.00	36	19	108+50.00	1	212	133+00.00	1	151	159+50.00	12	24
35+50.00	5	332	60+00.00	35	30	84+50.00	20	31	109+00.00	0	263	133+50.00	0	182	160+00.00	15	24

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## STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

<b>PROJ. REFERENCE NO.</b>	<b>SHEET NO.</b>
R-2915A	X-1B

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### CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt
L (RT)	(cu. yd.)	(cu. yd.)	L (RT)	(cu. yd.)	(cu. yd.)	L (RT)	(cu. yd.)	(cu. yd.)	L (RT)	(cu. yd.)	(cu. yd.)	L (RT)	(cu. yd.)	(cu. yd.)	L (RT)	(cu. yd.)	(cu. yd.)
12+50.00	0	3339	36+50.00	298	19	61+00.00	620	9	85+50.00	872	5	110+00.00	541	40	134+50.00	5272	1
13+00.00	0	3566	37+00.00	219	16	61+50.00	83	15	86+00.00	1450	0	110+50.00	382	32	135+00.00	4544	0
13+50.00	0	3341	37+50.00	276	17	62+00.00	371	6	86+50.00	1980	0	111+00.00	724	11	135+50.00	2183	0
14+00.00	0	2903	38+00.00	479	19	62+50.00	600	0	87+00.00	2694	0	111+50.00	938	4	136+00.00	210	11
14+50.00	0	2283	38+50.00	715	21	63+00.00	554	0	87+50.00	3526	0	112+00.00	882	6	136+50.00	63	28
15+00.00	0	3059	39+00.00	786	27	63+50.00	581	0	88+00.00	4080	0	112+50.00	1505	6	137+00.00	231	29
15+50.00	0	3899	39+50.00	711	34	64+00.00	399	31	88+50.00	3217	0	113+00.00	2906	0	137+50.00	380	19
16+00.00	0	3476	40+00.00	575	56	64+50.00	100	145	89+00.00	1239	140	113+50.00	4159	0	138+00.00	297	24
16+50.00	0	3176	40+50.00	400	92	65+00.00	39	200	89+50.00	169	234	114+00.00	4531	0	138+50.00	1062	19
17+00.00	0	2785	41+00.00	244	106	65+50.00	91	185	90+00.00	240	94	114+50.00	3610	0	139+00.00	1991	2
17+50.00	0	2285	41+50.00	147	109	66+00.00	124	303	90+50.00	473	0	115+00.00	1799	3	139+50.00	1361	0
18+00.00	0	2063	42+00.00	97	122	66+50.00	131	203	91+00.00	528	3	115+50.00	422	23	140+00.00	3169	2
18+50.00	0	1991				67+00.00	311	0	91+50.00	342	122	116+00.00	95	31	140+50.00	4551	19
19+00.00	0	1827	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	67+50.00	494	0	92+00.00	81	402	116+50.00	332	23	141+00.00	6579	18
19+50.00	0	1570				68+00.00	514	1	92+50.00	0	627	117+00.00	845	24	141+50.00	8436	0
20+00.00	5	1142	<b>L (RT)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	68+50.00	468	40	93+00.00	0	739	117+50.00	762	20	142+00.00	9068	0
20+50.00	18	604	42+50.00	81	133	69+00.00	407	183	93+50.00	0	456	118+00.00	208	16	142+50.00	8526	0
21+00.00	46	404	43+00.00	75	137	69+50.00	320	186	94+00.00	21	69	118+50.00	764	16	143+00.00	6707	5
21+50.00	47	428	43+50.00	77	135	70+00.00	335	61	94+50.00	219	6	119+00.00	748	17	143+50.00	4162	5
22+00.00	78	326	44+00.00	48	125	70+50.00	646	23	95+00.00	630	0	119+50.00	325	17	144+00.00	2180	0
22+50.00	292	107	44+50.00	19	124	71+00.00	734	8	95+50.00	3613	0	120+00.00	425	16	144+50.00	1432	0
23+00.00	456	65	45+00.00	25	134	71+50.00	592	11	96+00.00	7469	0	120+50.00	120	24	145+00.00	1948	0
23+50.00	555	89	45+50.00	100	131	72+00.00	673	11	96+50.00	9051	0	121+00.00	40	41	145+50.00	3630	0
24+00.00	840	73	46+00.00	217	129				97+00.00	8869	0	121+50.00	57	56	146+00.00	6007	0
24+50.00	1608	33	46+50.00	250	126	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	97+50.00	7243	0	122+00.00	74	89	146+50.00	7394	0
25+00.00	2686	0	47+00.00	181	117				98+00.00	6360	0	122+50.00	74	128	147+00.00	7719	0
25+50.00	3351	0	47+50.00	99	140	<b>L (RT)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	98+50.00	5263	0	123+00.00	74	166	147+50.00	8568	0
26+00.00	2478	0	48+00.00	50	164	72+50.00	1506	5	99+00.00	2784	0	123+50.00	102	224	148+00.00	9897	0
26+50.00	3330	0	48+50.00	24	143	73+00.00	1840	0	99+50.00	892	2	124+00.00	124	262	148+50.00	11077	0
27+00.00	4688	0	49+00.00	18	102	73+50.00	1289	0	100+00.00	213	8	124+50.00	142	269	149+00.00	12069	0
27+50.00	4086	0	49+50.00	18	68	74+00.00	1060	0	100+50.00	106	25	125+00.00	155	251	149+50.00	12628	6
28+00.00	3892	0	50+00.00	20	50	74+50.00	727	0	101+00.00	87	44	125+50.00	139	215	150+00.00	13077	14
28+50.00	3747	0	50+50.00	45	53	75+00.00	435	0	101+50.00	100	57	126+00.00	130	178	150+50.00	12928	19
29+00.00	1904	0	51+00.00	49	52	75+50.00	379	113	102+00.00	145	44	126+50.00	126	127	151+00.00	11733	12
29+50.00	3709	0	51+50.00	63	55	76+00.00	552	113				127+00.00	116	84	151+50.00	9282	0
30+00.00	3458	0	52+00.00	86	71	76+50.00	807	0	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	127+50.00	105	87	152+00.00	6250	0
30+50.00	3450	0	52+50.00	72	63	77+00.00	912	0				128+00.00	94	119	152+50.00	3523	10
31+00.00	3990	0	53+00.00	69	45	77+50.00	994	0	<b>L (RT)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	128+50.00	247	115	153+00.00	1736	74
31+50.00	4582	0	53+50.00	161	34	78+00.00	752	4	102+50.00	289	20	129+00.00	769	81	153+50.00	742	198
32+00.00	4719	0	54+00.00	301	23	78+50.00	427	9	103+00.00	456	17	129+50.00	1721	36	154+00.00	100	330
32+50.00	4772	0	54+50.00	234	19	79+00.00	191	227	103+50.00	489	20	130+00.00	3142	5	154+50.00	0	418
33+00.00	5111	0	55+00.00	354	18	79+50.00	66	267	104+00.00	359	33	130+50.00	4473	2	155+00.00	0	459
33+50.00	5071	4	55+50.00	845	19	80+00.00	94	53	104+50.00	198	80	131+00.00	5504	4	155+50.00	20	493
34+00.00	4387	17	56+00.00	1201	22	80+50.00	69	15	105+00.00	87	152	131+50.00	6536	5	156+00.00	20	493
34+50.00	3293	29	56+50.00	876	21	81+00.00	262	16	105+50.00	47	153	132+00.00	6483	12	156+50.00	0	651
35+00.00	3158	31	57+00.00	468	20	81+50.00	423	18	106+00.00	28	167				157+00.00	0	630
35+50.00	2128	27	57+50.00	922	21	82+00.00	341	16	106+50.00	0	273	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	157+50.00	0	379
36+00.00	468	23	58+00.00	2165	18	82+50.00	309	6	107+00.00	0	278				158+00.00	0	229
			58+50.00	3557	10	83+00.00	350	0	107+50.00	0	135	<b>L (RT)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	158+50.00	0	181
			59+00.00	4491	4	83+50.00	332	0	108+00.00	10	38	132+50.00	5305	12	159+00.00	0	130
			59+50.00	4658	2	84+00.00	235	10	108+50.00	392	25	133+00.00	5058	2	159+50.00	0	232
			60+00.00	3771	1	84+50.00	145	36	109+00.00	876	22	133+50.00	5421	2	160+00.00	0	335
			60+50.00	2077	0	85+00.00	331	31	109+50.00	897	27	134+00.00	5434	3	160+01.83	0	6

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## STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-1C

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### CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt
RPA	(cu. yd.)	(cu. yd.)	LPC/RPC	(cu. yd.)	(cu. yd.)	Y1	(cu. yd.)	(cu. yd.)	Y1	(cu. yd.)	(cu. yd.)	Y5	(cu. yd.)	(cu. yd.)	SR1	(cu. yd.)	(cu. yd.)
9+01.06	44	30	9+41.74	0	278	23+00.00	25	56	47+00.00	16	16	19+00.00	0	412	14+00.00	97	53
9+52.60	142	139	9+90.63	0	1493	23+50.00	19	38	47+50.00	19	5	19+50.00	0	379	14+50.00	81	96
10+04.08	60	283	10+37.94	0	1766	24+00.00	15	27	48+00.00	15	14	19+64.41	0	73	15+00.00	67	126
10+55.34	0	622	10+83.78	0	1525	24+50.00	14	26	48+50.00	31	27				15+50.00	69	98
11+06.08	0	1105	11+29.05	0	1760	25+00.00	41	29	49+00.00	31	27	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	16+00.00	135	33
11+57.15	0	1664	11+73.95	0	2038	25+50.00	40	31	49+50.00	8	24	<b>Y6</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	16+50.00	156	0
12+07.85	0	2479	12+18.52	0	2381	26+00.00	10	35	50+00.00	8	18				17+00.00	118	0
12+57.90	0	3504	12+62.86	0	2701	26+50.00	8	37	50+50.00	9	23	10+50.00	458	0	17+50.00	56	13
12+79.30	0	1685	13+07.04	0	3031	27+00.00	25	37	51+00.00	11	27	11+00.00	1231	0	18+00.00	8	37
13+23.95	0	3416	13+51.15	0	3401	27+50.00	64	32	51+50.00	20	20	11+50.00	631	0	18+50.00	8	34
13+70.04	1	3265	13+95.29	0	3839	28+00.00	100	20	52+00.00	25	26	12+00.00	190	0	19+00.00	10	17
14+17.39	3	3004	14+39.55	0	4378	28+50.00	122	11	52+50.00	26	35				19+50.00	10	24
14+65.79	2	2705	14+84.03	0	4880	29+00.00	87	8	53+00.00	28	34	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	20+00.00	6	44
15+06.30	2	2054	15+28.79	0	5360	29+50.00	29	5	53+50.00	24	32	<b>Y7</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	20+50.00	3	60
			15+73.90	0	5956	30+00.00	11	19	54+00.00	11	18				21+00.00	1	88
<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	16+19.43	0	6983	30+50.00	45	47				10+50.00	98	0	21+50.00	48	56
<b>RPC</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	16+65.60	0	6984	31+00.00	81	70	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	11+00.00	517	0	22+00.00	106	1
			17+13.24	0	6259	31+50.00	128	119	<b>Y2</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	11+50.00	528	0	22+50.00	105	0
7+29.19	288	0	17+62.20	0	6285	32+00.00	416	94				12+00.00	181	88	23+00.00	122	0
7+69.44	635	0				32+50.00	416	17	10+50.00	202	0	12+50.00	58	349	23+50.00	75	43
8+00.00	677	0	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	33+00.00	105	1	11+00.00	795	0	13+00.00	59	444	24+00.00	0	83
8+50.00	553	102	<b>Y1</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	33+50.00	25	22	11+50.00	1065	0	13+50.00	1	431	24+50.00	1	69
9+00.00	0	235				34+00.00	15	44	12+00.00	1509	0	14+00.00	0	368	25+00.00	11	37
9+28.00	0	158	11+00.00	3	0	34+50.00	16	52	12+50.00	1509	0	14+50.00	220	119	25+50.00	20	12
			11+50.00	16	1	35+00.00	21	60	13+00.00	637	2	15+00.00	413	0	26+00.00	23	6
<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	12+00.00	22	3	35+50.00	20	67	13+20.00	8	1	15+20.00	77	0	26+50.00	35	3
<b>LPC</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	12+50.00	46	6	36+00.00	15	65							27+00.00	94	0
6+89.67	13	5	13+00.00	50	9	36+50.00	14	60	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	27+50.00	25	1
7+32.76	106	12	13+50.00	38	18	37+00.00	13	62	<b>Y3</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	<b>Y8</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	28+00.00	16	18
7+50.00	103	2	14+00.00	22	25	37+50.00	14	65							28+30.00	8	1
8+00.00	589	0	14+50.00	15	23	38+00.00	69	87	10+50.00	119	0	15+00.00	6	0			
8+48.04	377	163	15+00.00	9	25	38+50.00	196	81	11+00.00	363	0	15+14.50	53	0			
8+96.52	0	329	15+50.00	10	29	39+00.00	176	67	11+50.00	241	0						
9+25.00	0	193	16+00.00	10	32	39+50.00	94	72	11+85.00	58	0	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>
			16+50.00	10	36	40+00.00	104	58				<b>Y9</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	<b>SR2REV</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>
			17+00.00	12	36	40+50.00	112	48	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	<b>Y9</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	11+49.23	8380	0
			17+50.00	19	36				<b>Y4</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	10+50.00	0	229	11+98.41	7700	0
			18+00.00	21	32	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>				11+00.00	0	666	12+47.96	7951	0
			18+50.00	17	23	<b>Y1</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	10+50.00	45	52	11+50.00	0	455	12+97.89	8320	0
			19+00.00	14	22				11+00.00	101	119	12+00.00	0	309	13+48.13	8067	0
			19+50.00	12	31	40+50.00	0	0	11+50.00	126	30	12+50.00	0	220	13+98.74	6412	0
			20+00.00	11	40	41+00.00	119	49	12+00.00	291	3	13+00.00	2	228	14+49.96	4352	0
			20+50.00	10	53	41+50.00	63	51	12+50.00	390	5	13+10.00	0	26	15+01.59	2335	0
			21+00.00	8	55	42+00.00	13	46	13+00.00	303	4				15+53.34	885	0
			21+50.00	41	49	42+50.00	13	48	13+50.00	105	3	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	16+05.69	452	0
			22+00.00	51	54	43+00.00	8	68	13+75.00	1	1	<b>SR1</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	16+57.82	386	0
			22+50.00	27	61	43+50.00	6	82							17+09.93	271	0
						44+00.00	7	79	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	11+00.00	418	0	17+62.21	137	74
						44+50.00	31	68	<b>Y5</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	11+50.00	380	0	17+96.35	28	80
						45+00.00	32	60				12+00.00	253	0	27+00.00		
						45+50.00	9	60	17+50.00	0	11	12+50.00	131	1	27+50.00		
						46+00.00	8	58	18+00.00	4	160	13+00.00	69	4	27+00.00		
						46+50.00	10	40	18+50.00	2	266	13+50.00	86	20	27+50.00		

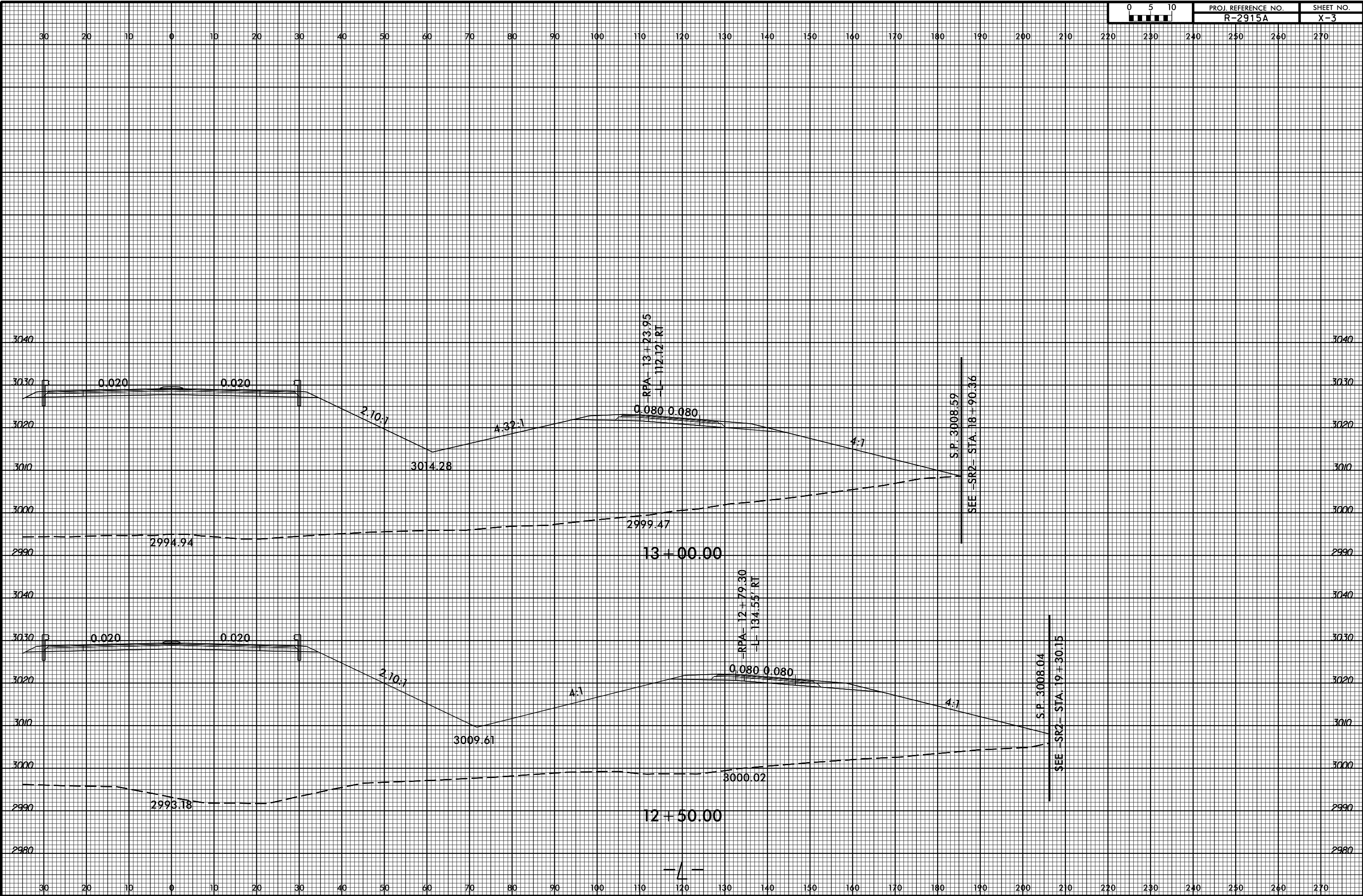








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SYSTEMS  
DESIGN  
CONSULTANTS

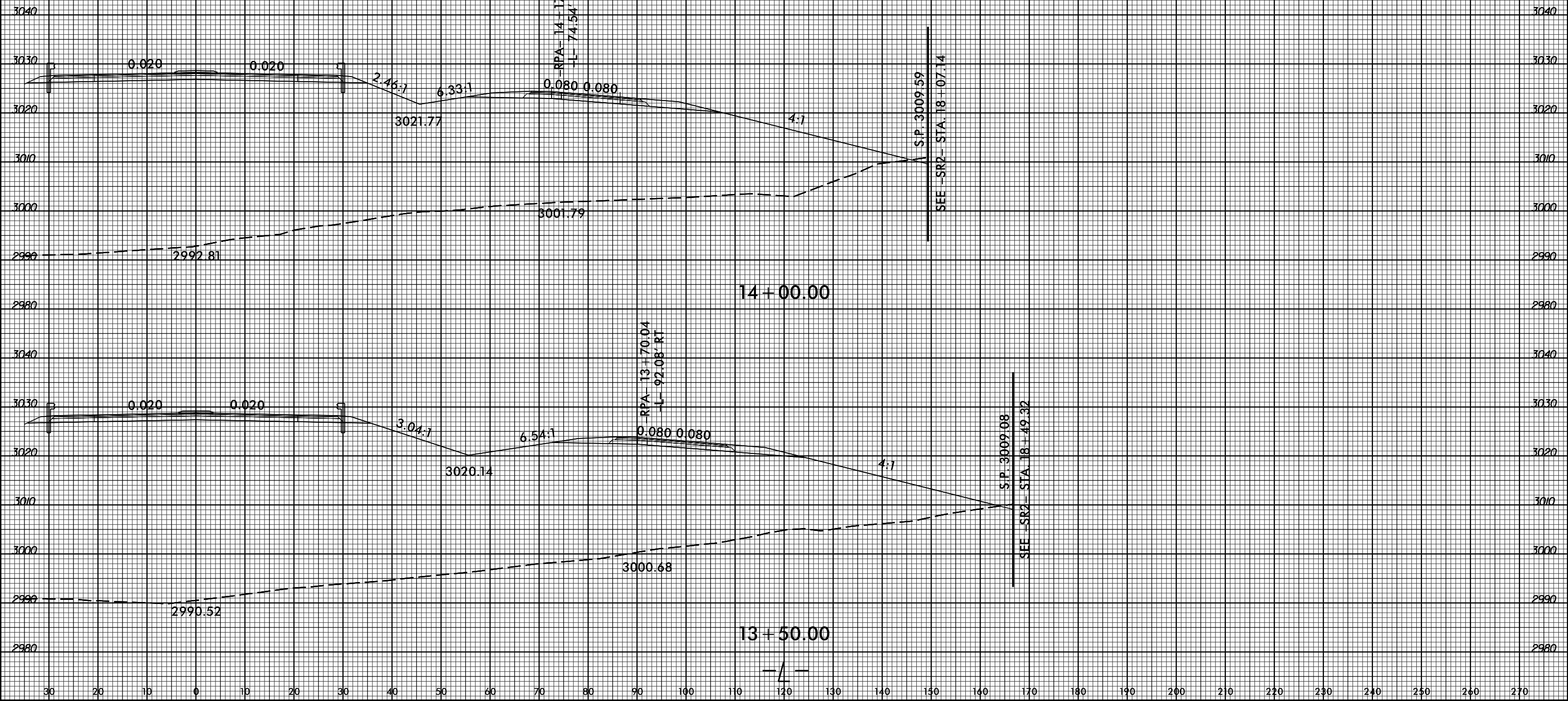
8/23/99



PROJ. REFERENCE NO.  
R-2915A

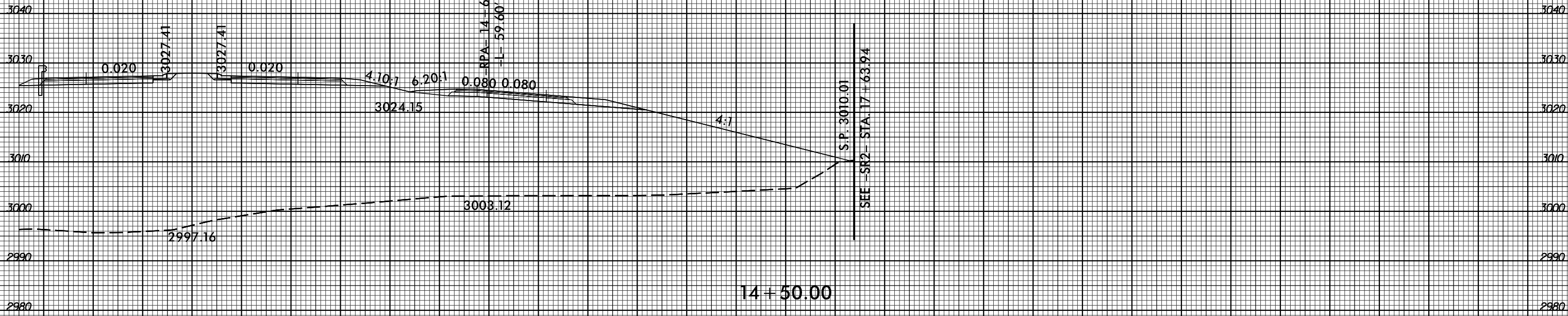
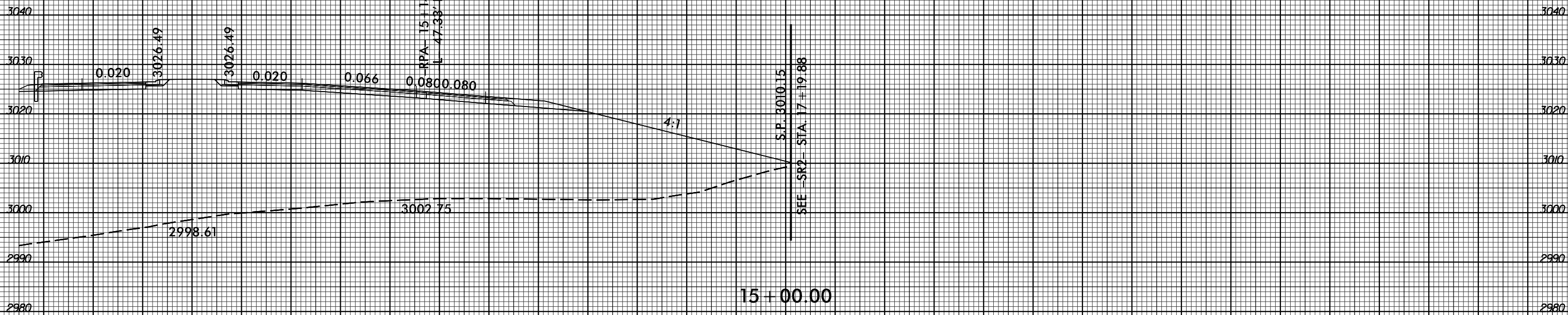
SHEET NO.  
X-4

30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270



SYSTEMS  
SERVICES  
INCORPORATED

30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270



30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270

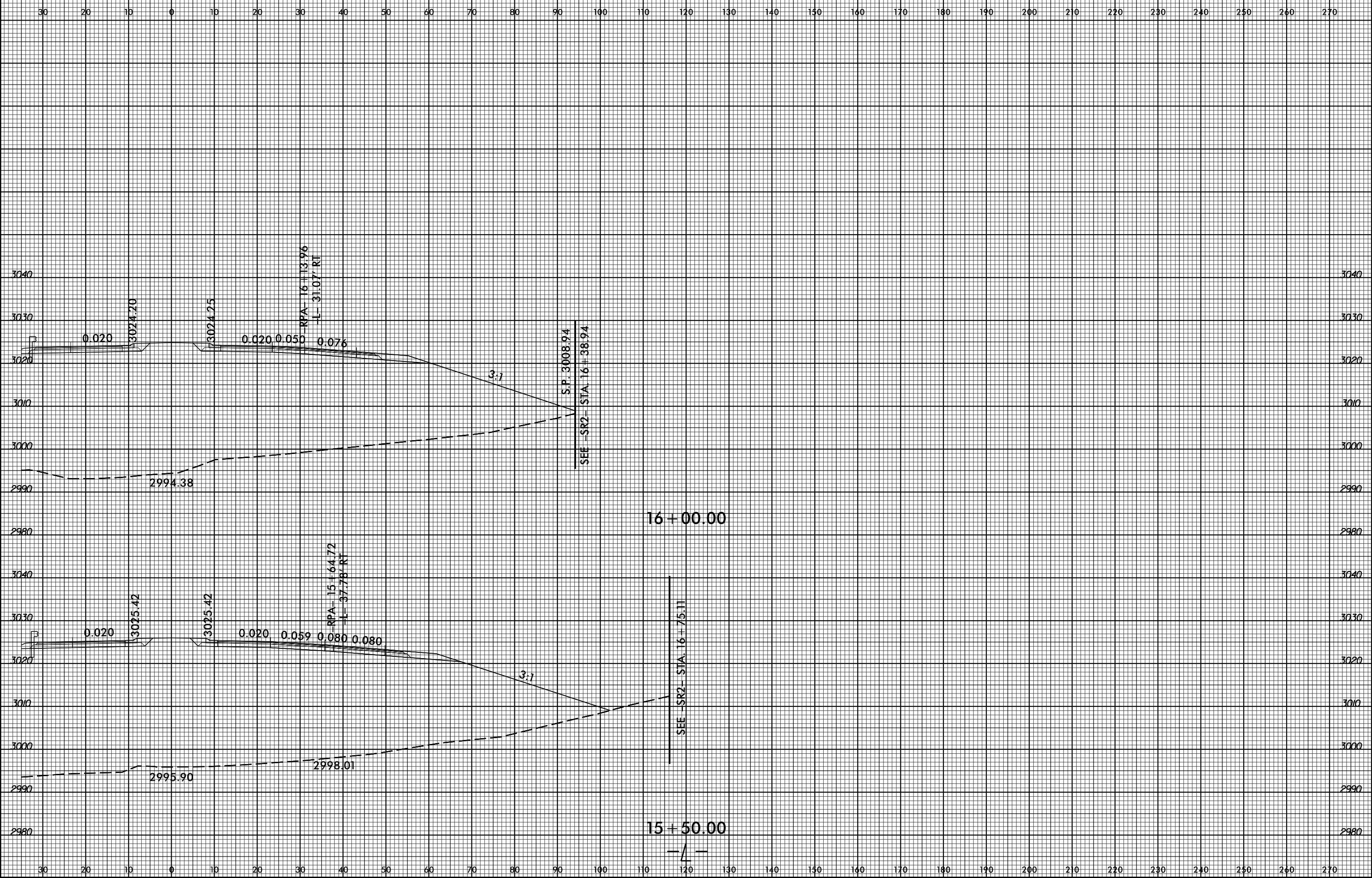
SYSTEMS  
SERVICES  
INCORPORATED

8/23/99

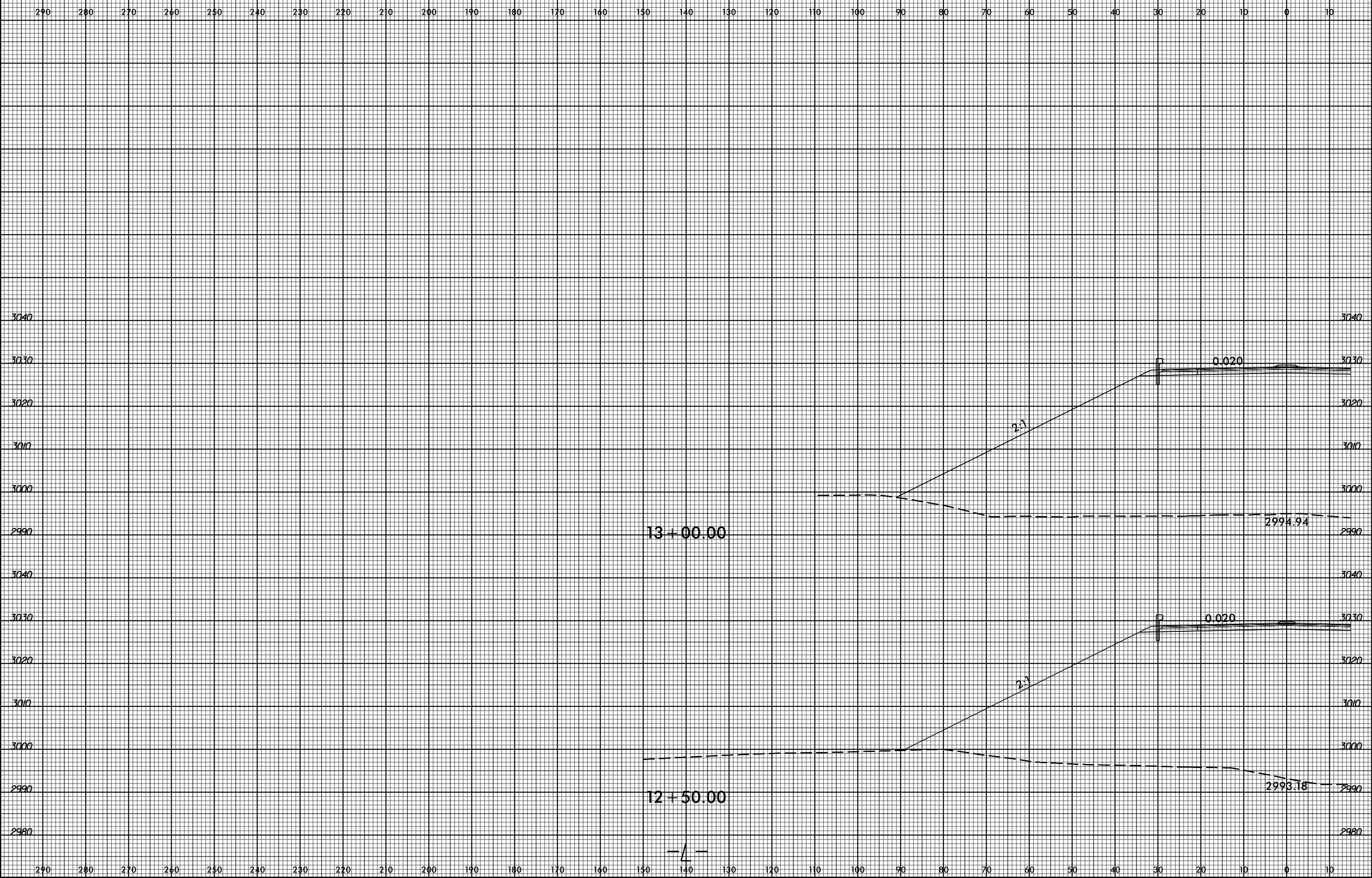


PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-6

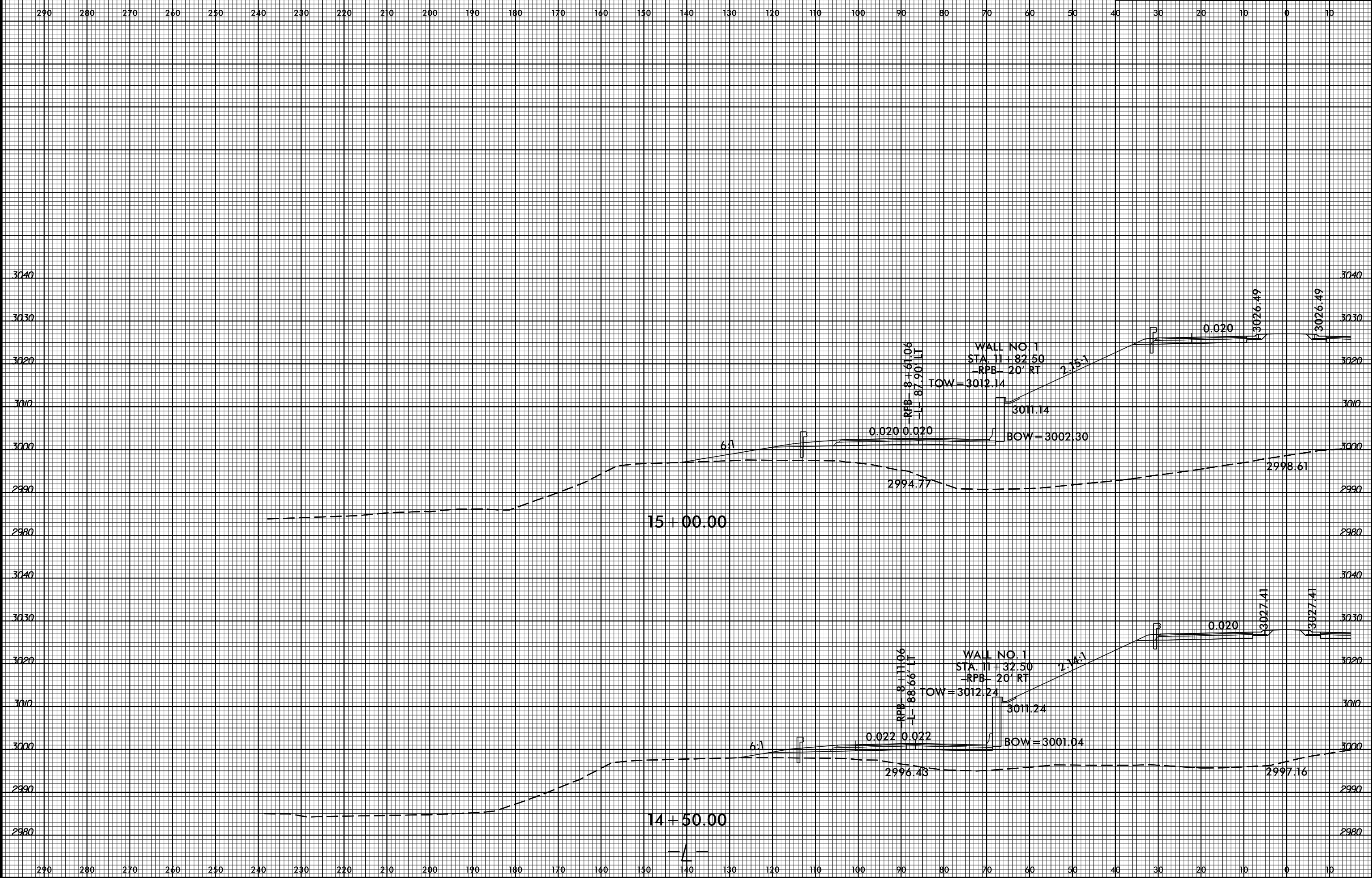


SYSTEMS  
DESIGN  
INC.





8/23/99

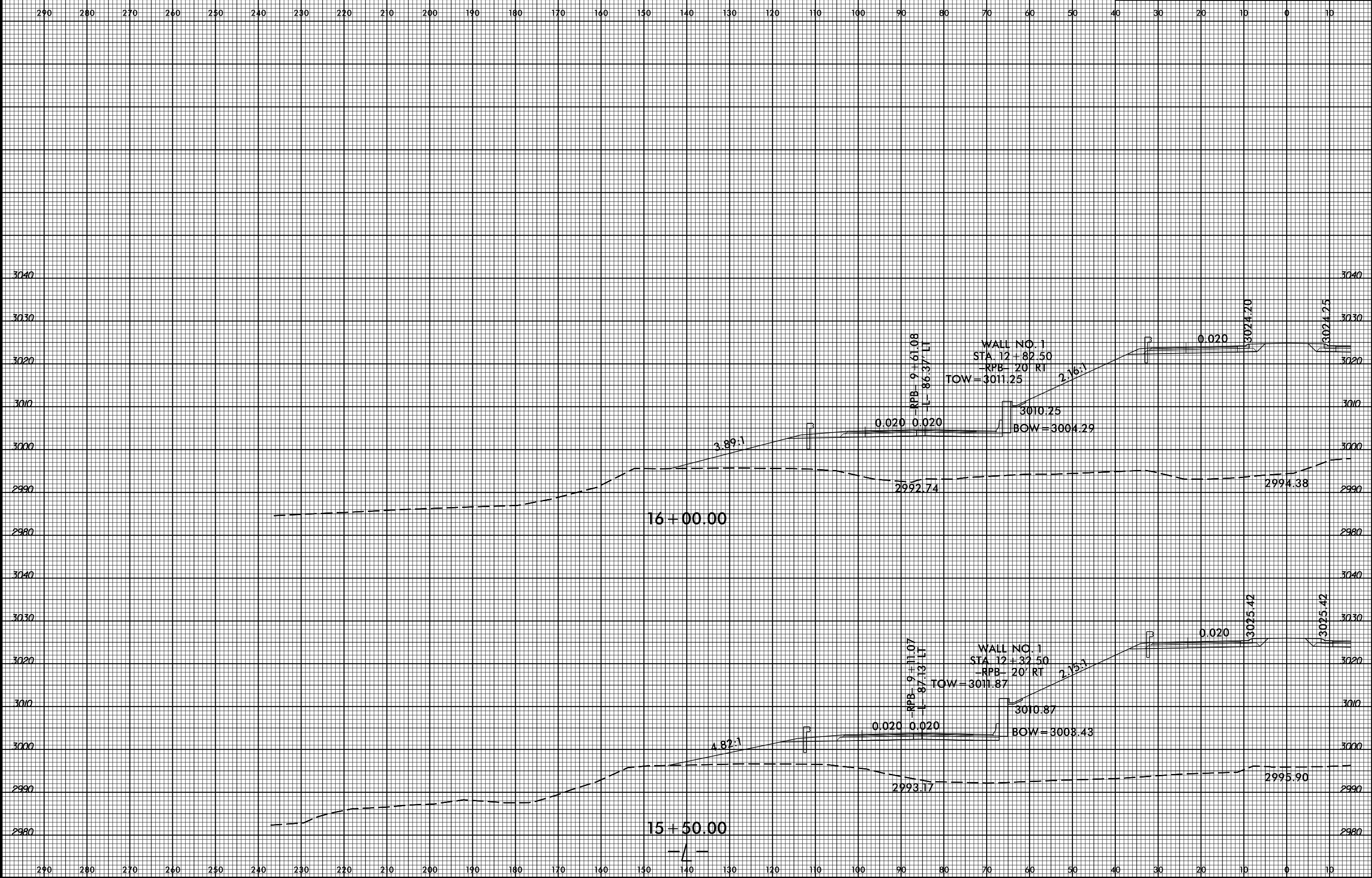


SYSTEMS

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-10



SYSTEMS  
SERVICES  
INC.



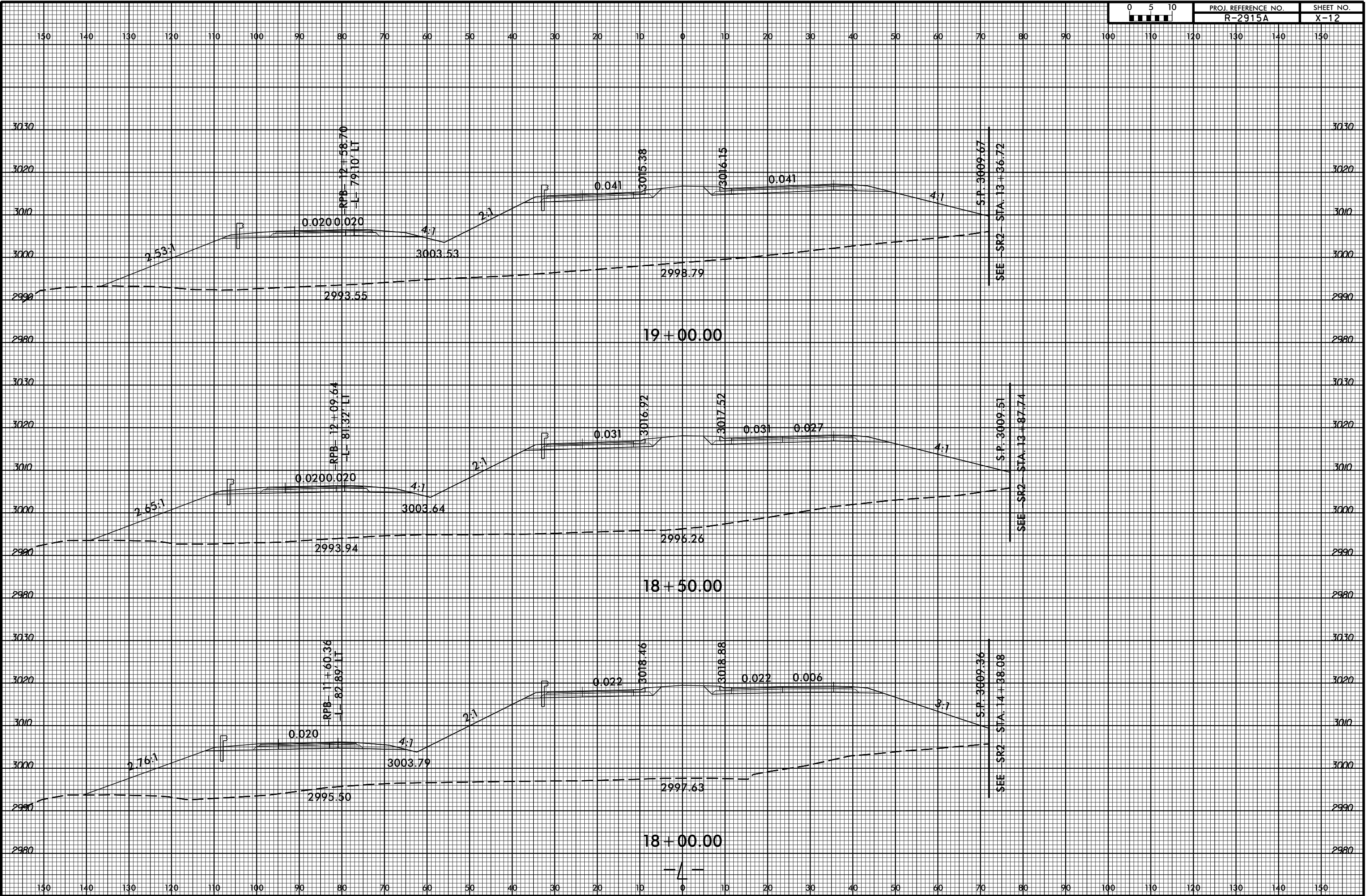


8/23/99



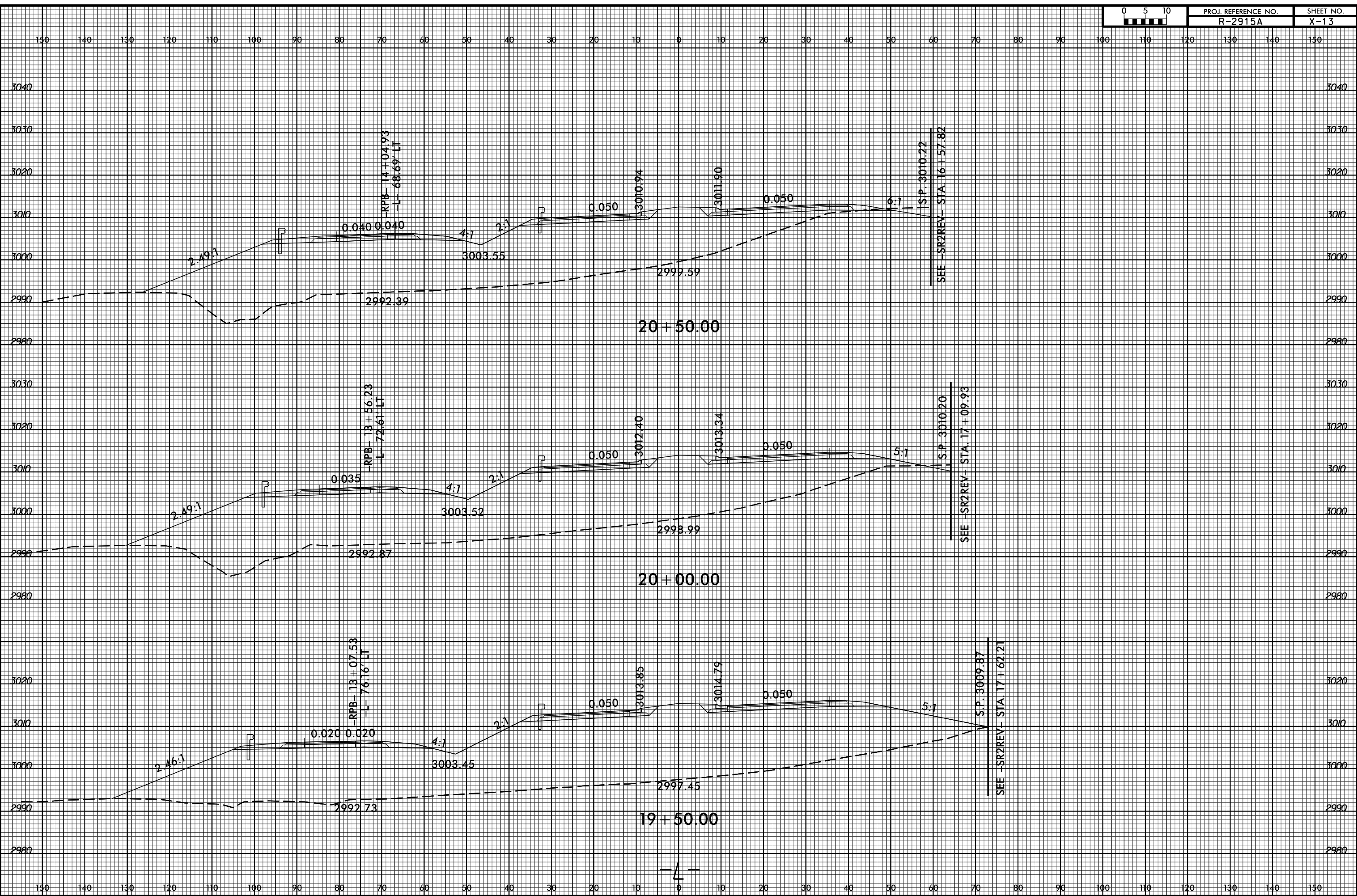
PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-12



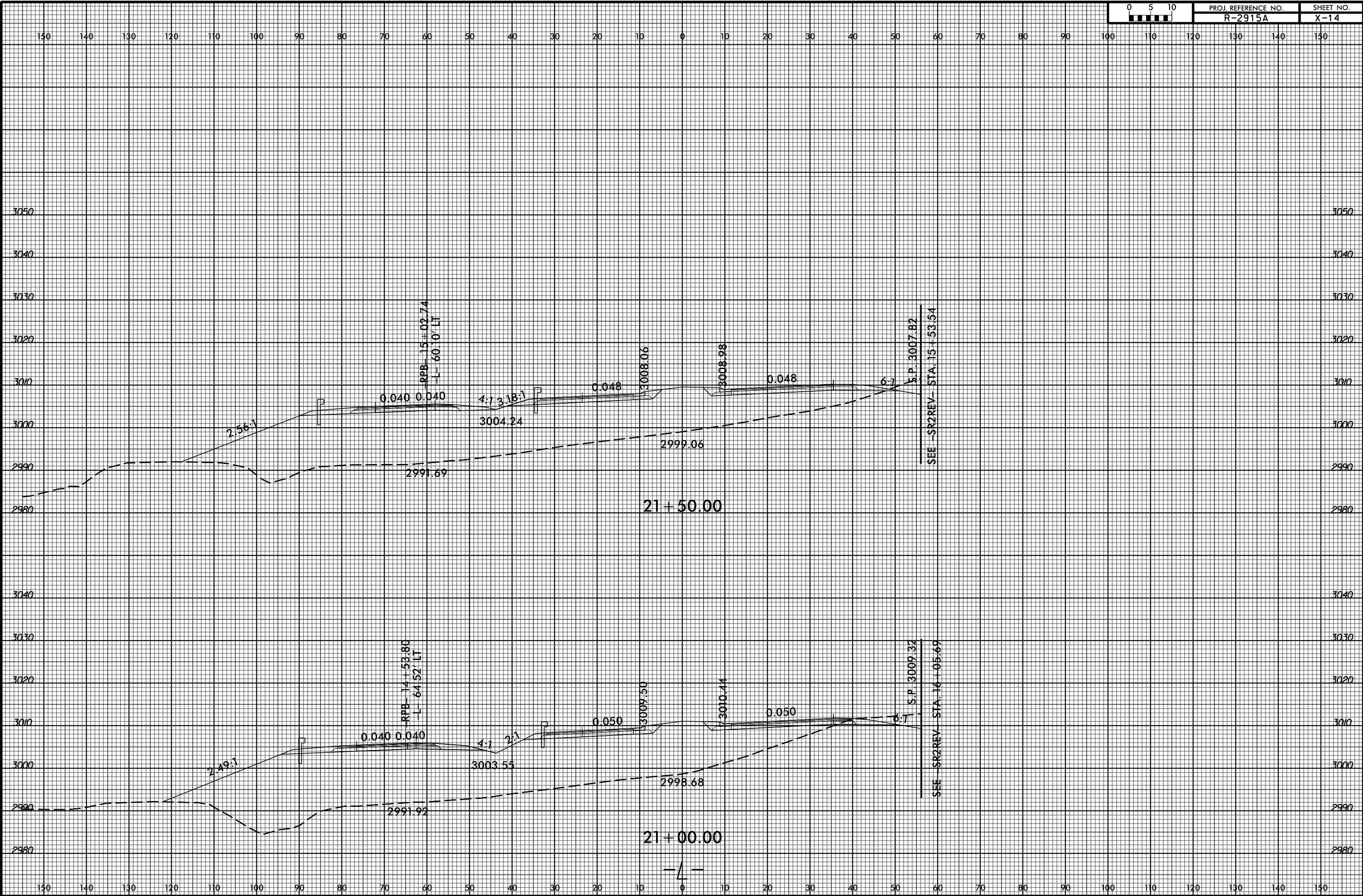
SYSTEMS  
SERVICES  
INC.

8/23/99



SYSTEMS

8/23/99



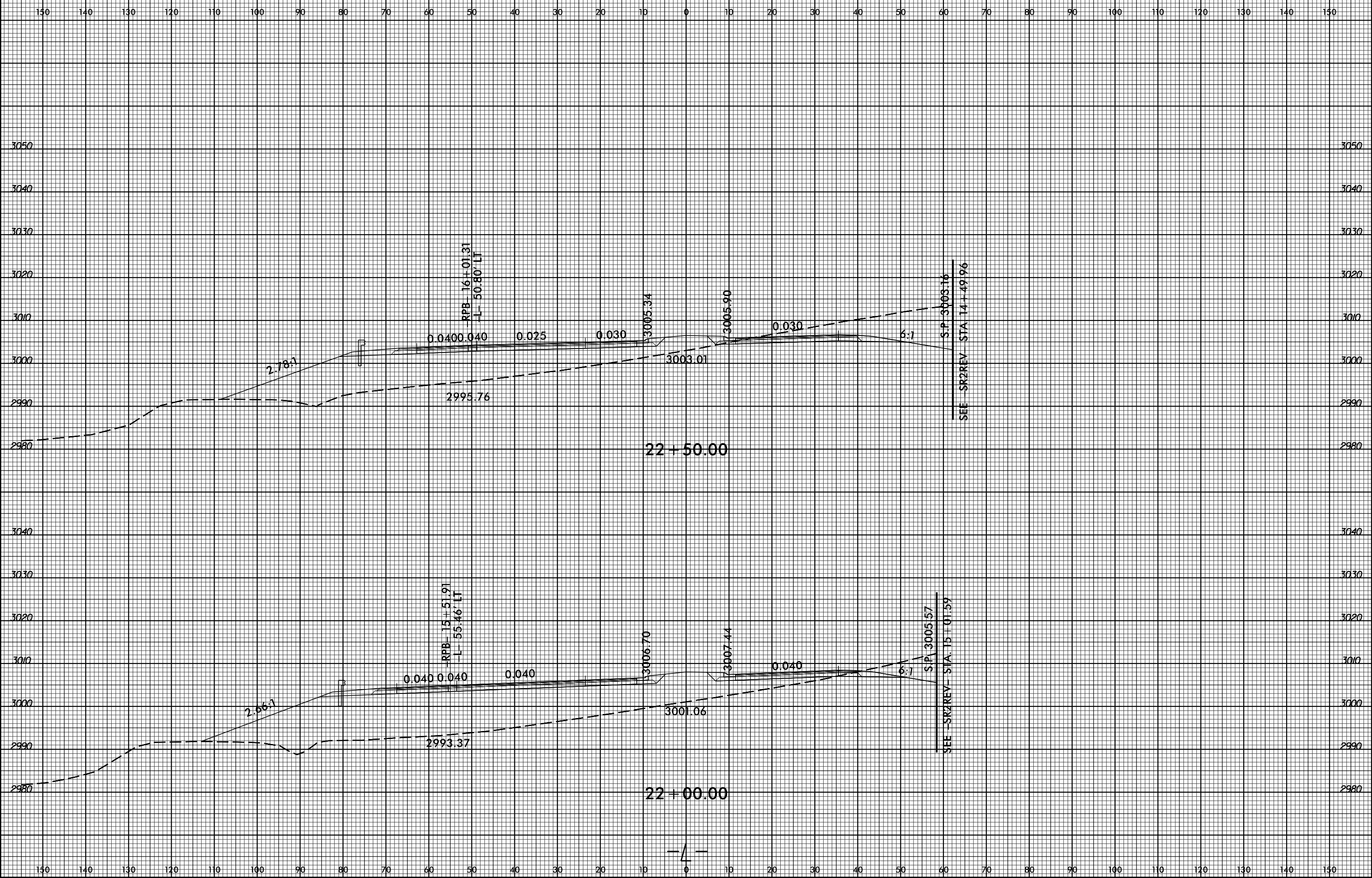
SYSTEMS  
SERVICES  
INC.

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-15



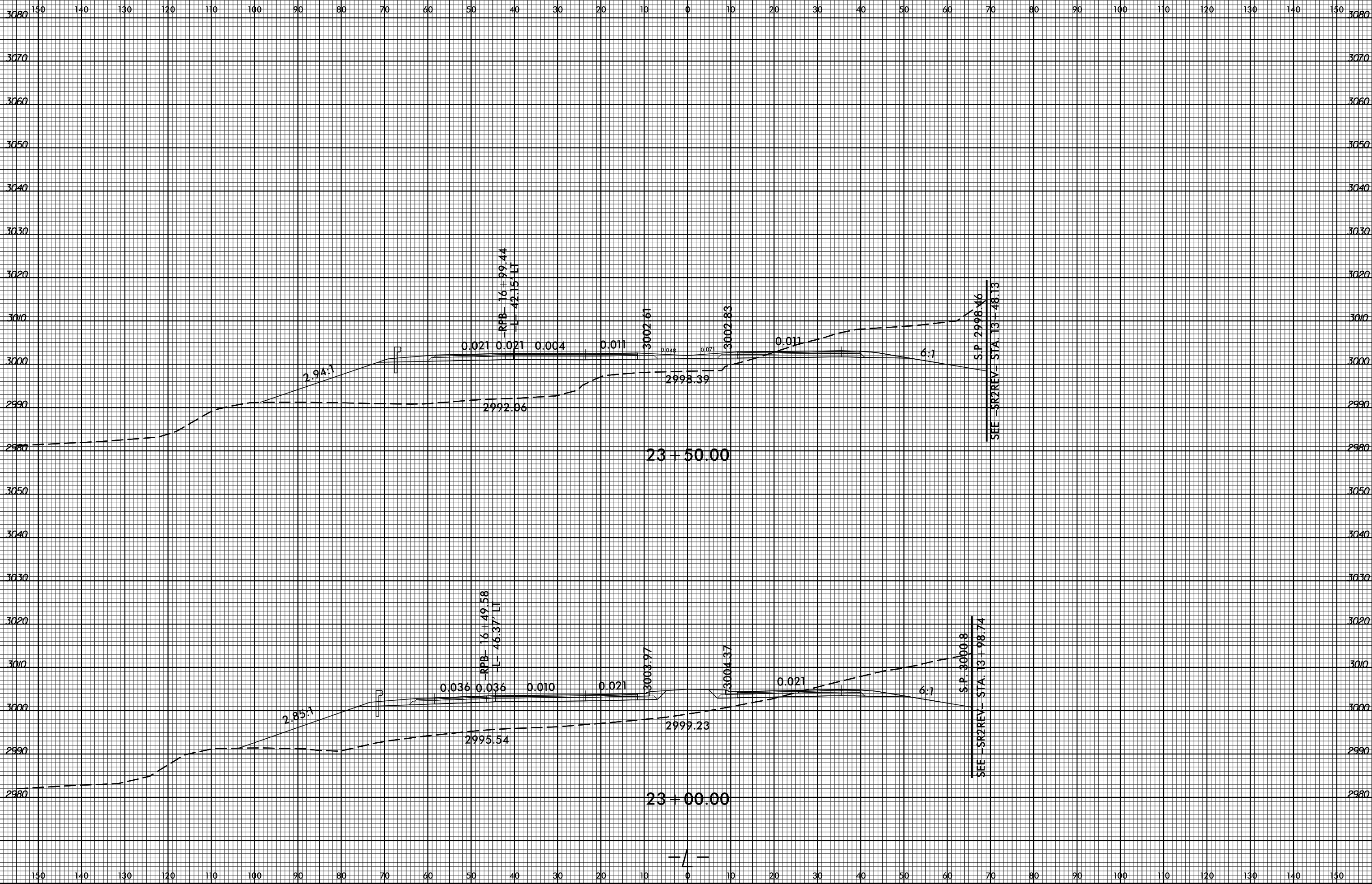
SYSTEMS  
SERVICES  
INCORPORATED

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-16

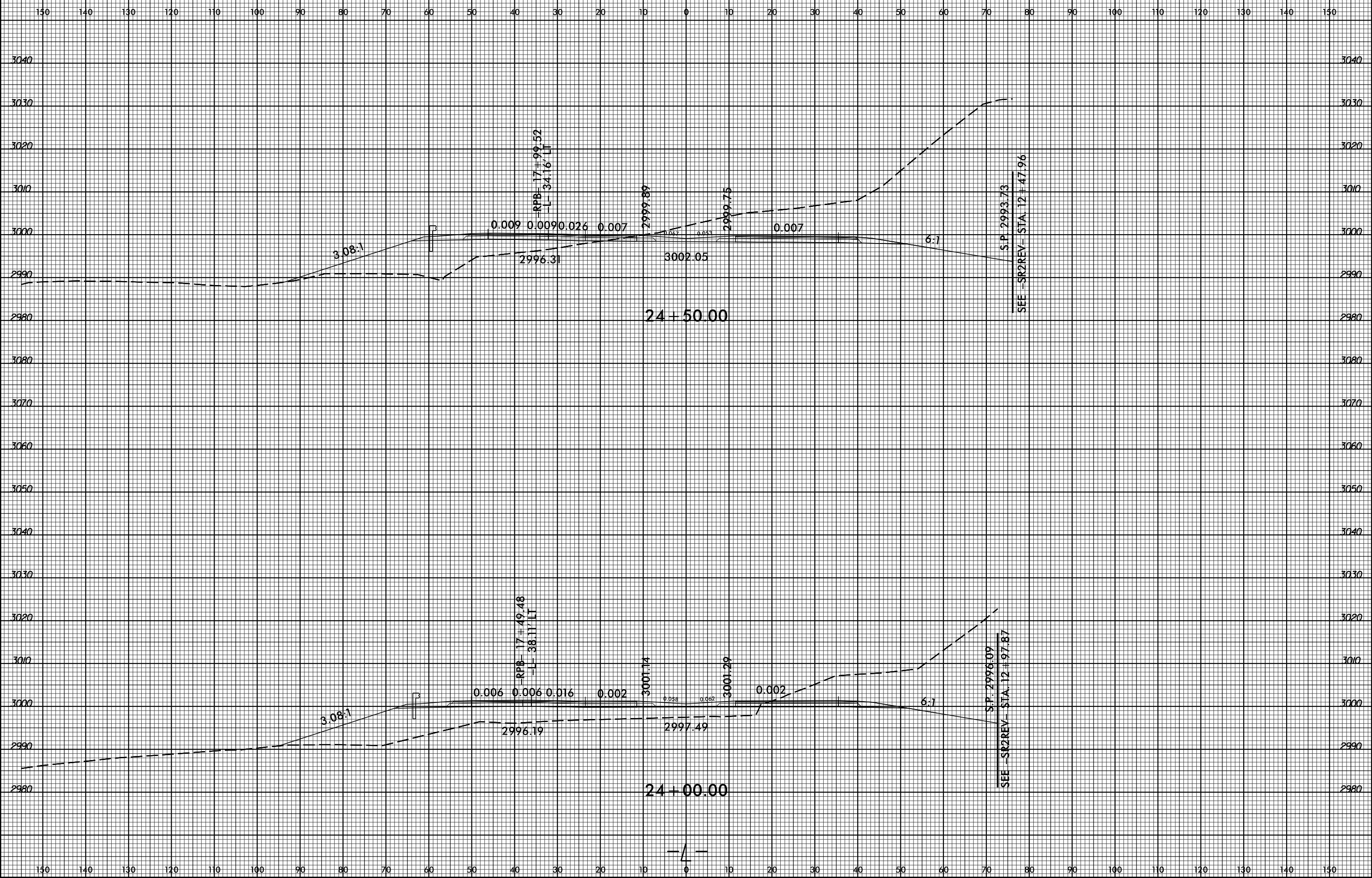


SYSTEMS  
SERVICES  
INCORPORATED

S.P. 2998.46  
SEE -SR2REV- STA. 13 + 48.13

S.P. 3000.8  
SEE -SR2REV- STA. 13 + 98.74

8/23/99



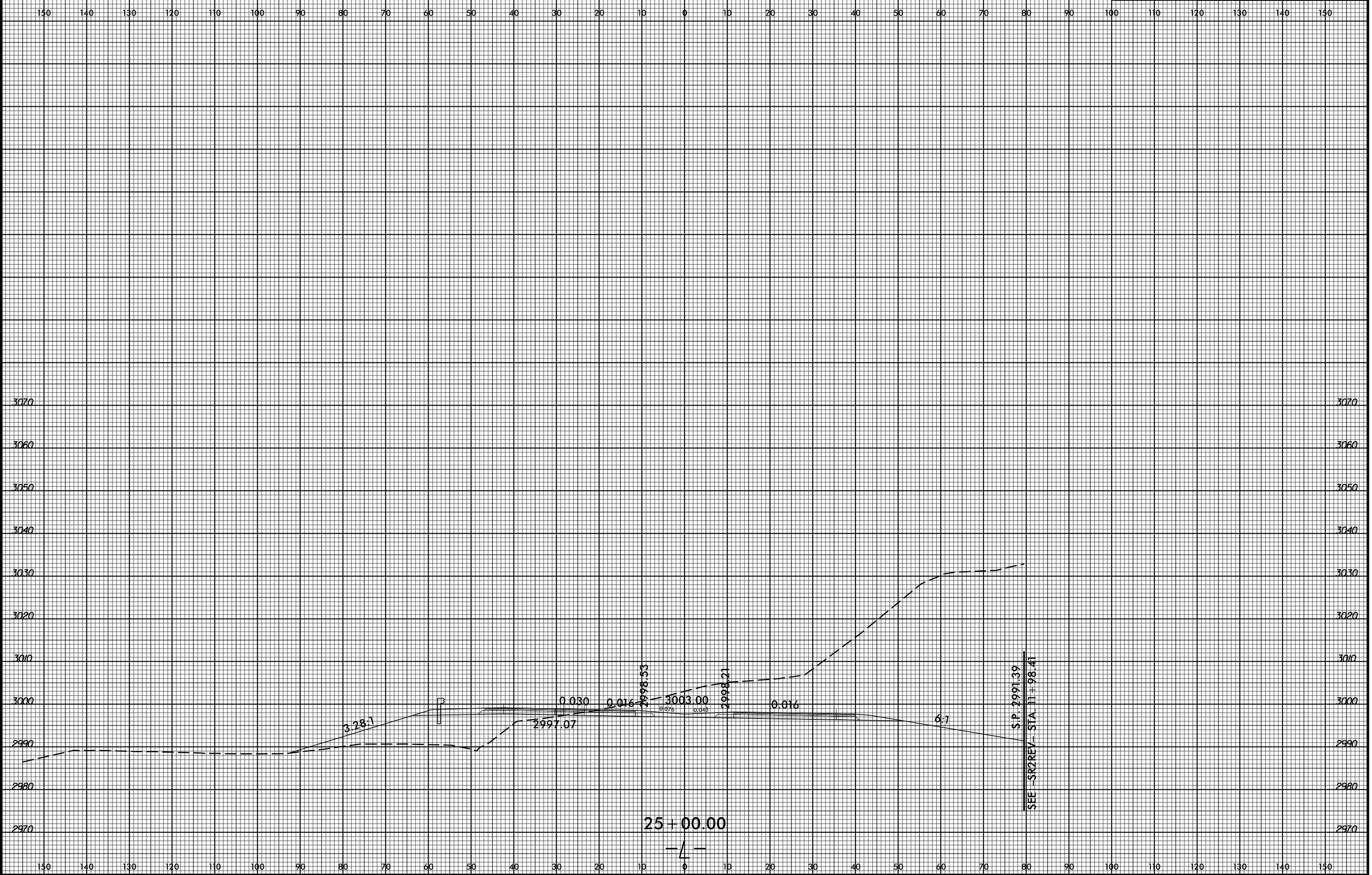
SYSTEMS  
SERVICES  
INCORPORATED

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-18



SYSTEMS  
SERVICES  
CORPORATION



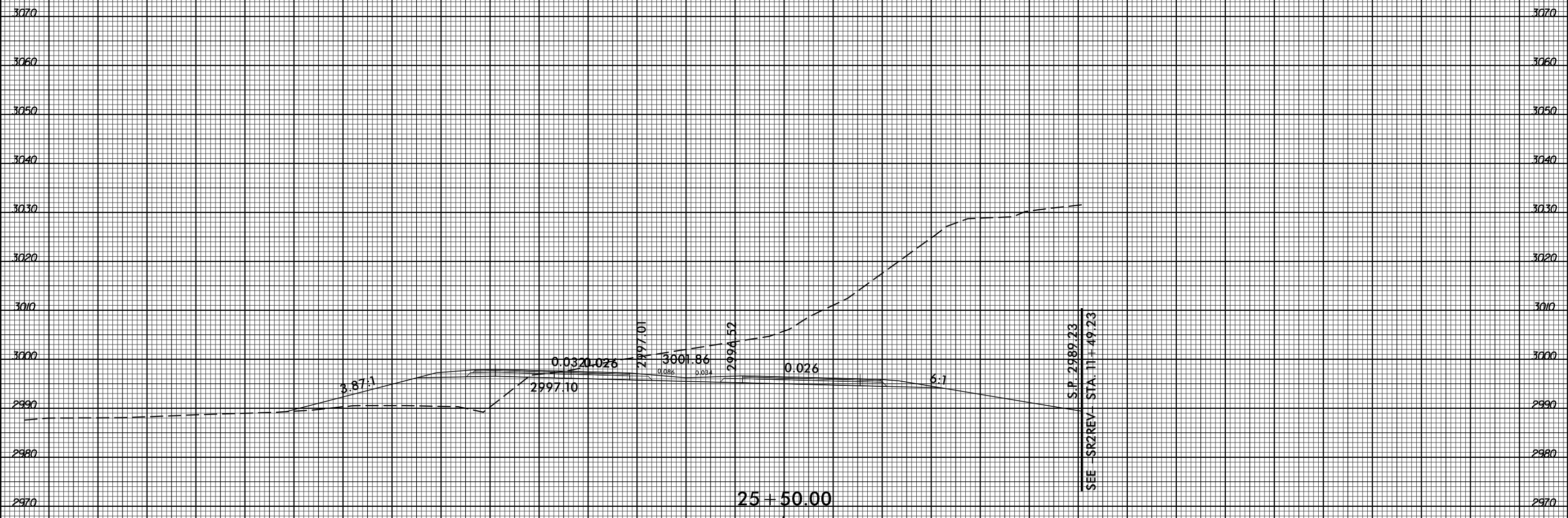
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-19

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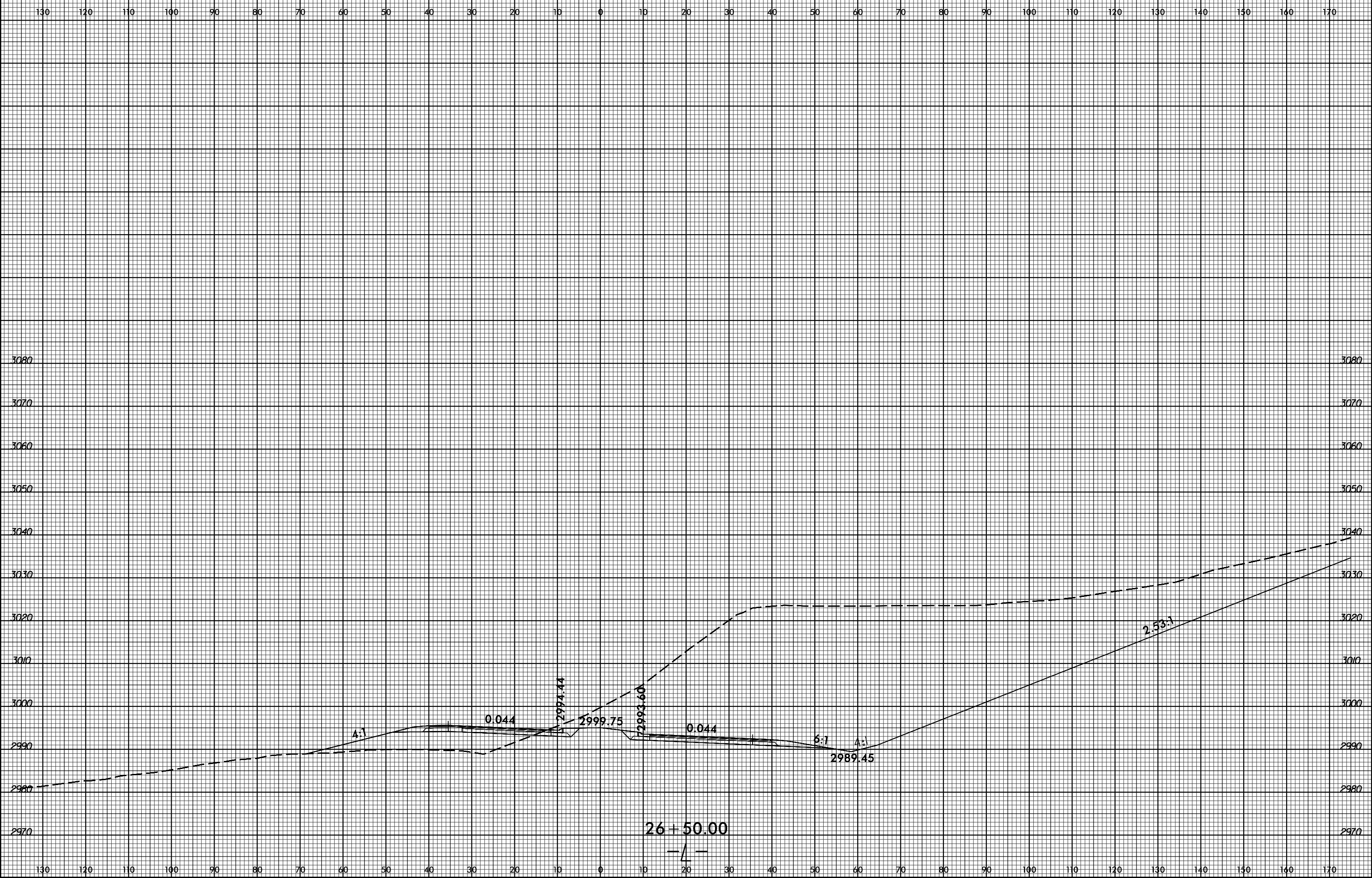
SYSTEMS  
SERVICES  
CONSULTANTS



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-21

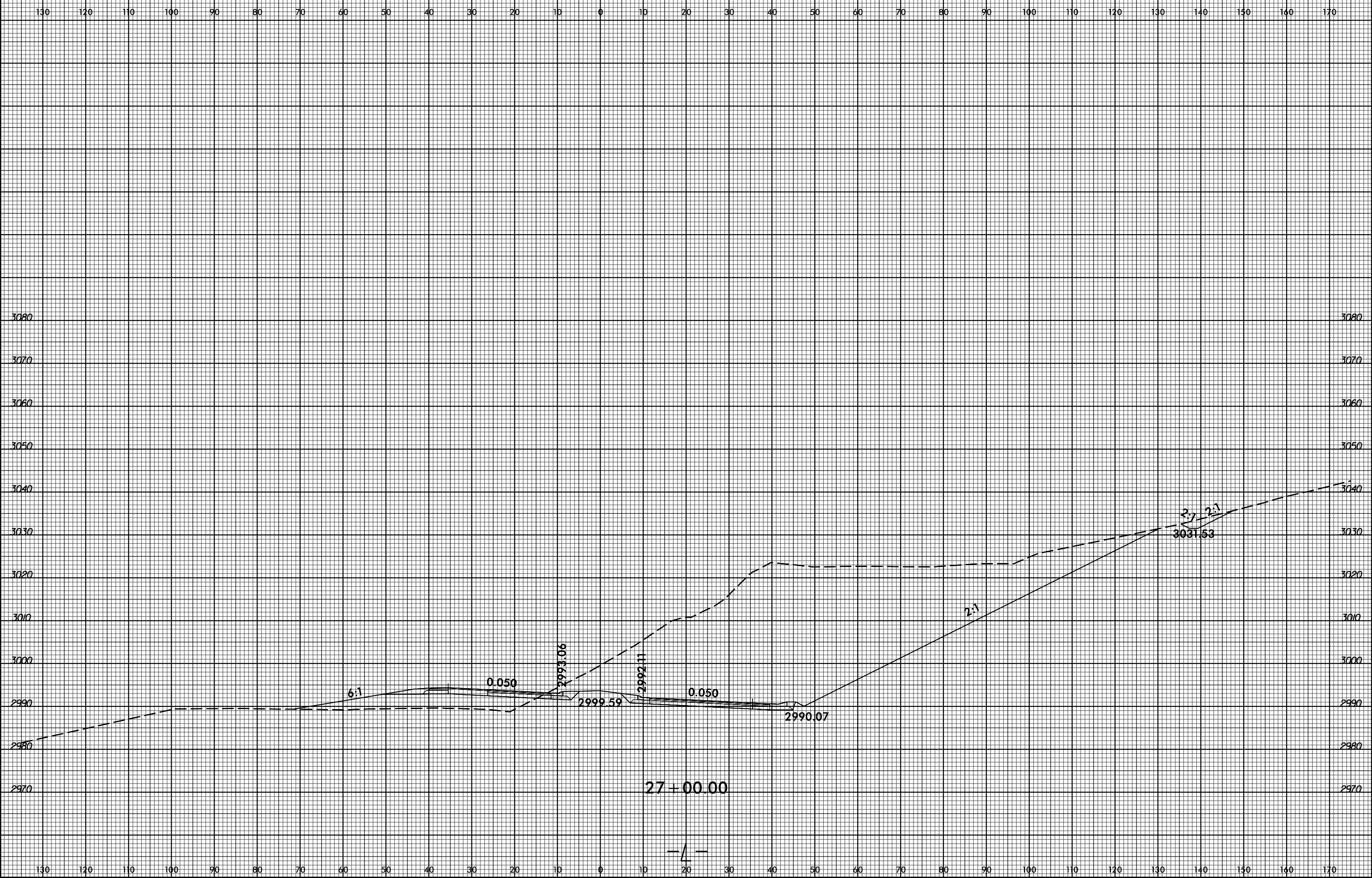


SYSTEMS  
DESIGN  
CONSULTANTS

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-22



SYSTEMS  
 CONSULTANTS  
 INC.

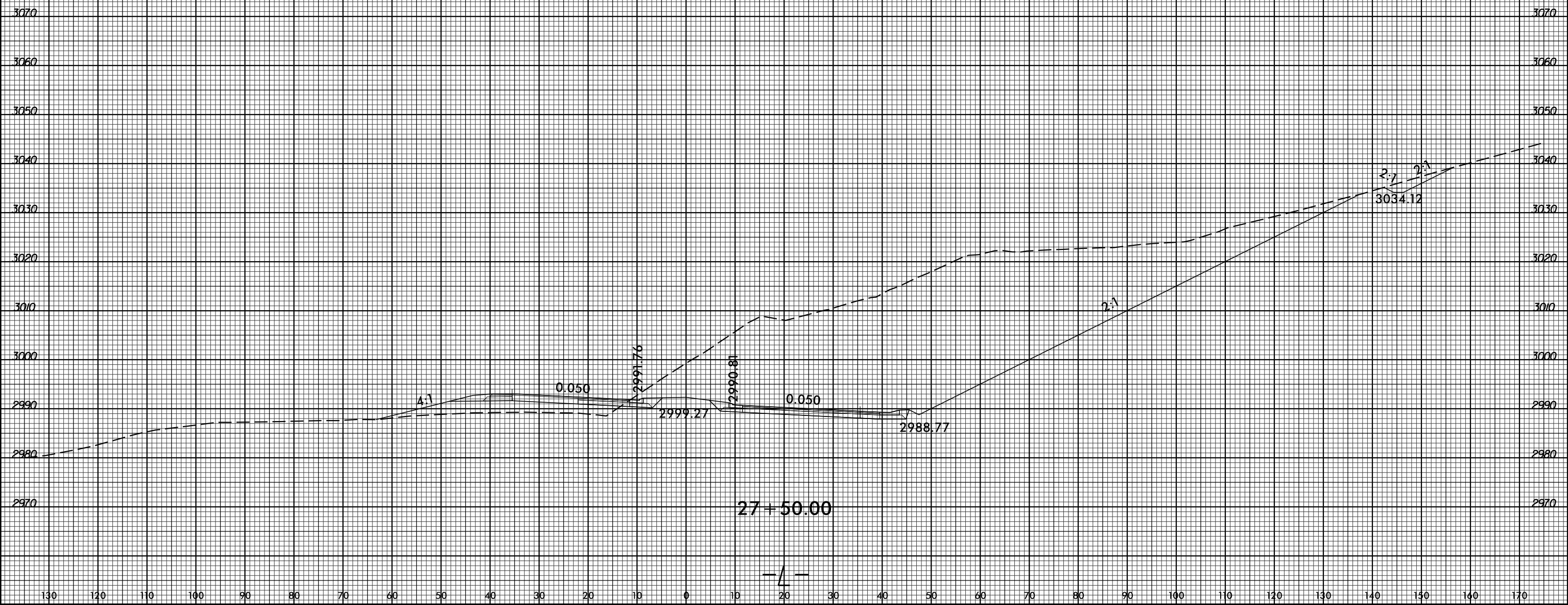
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-23

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SYSTEMS  
SERVICES  
INCORPORATED

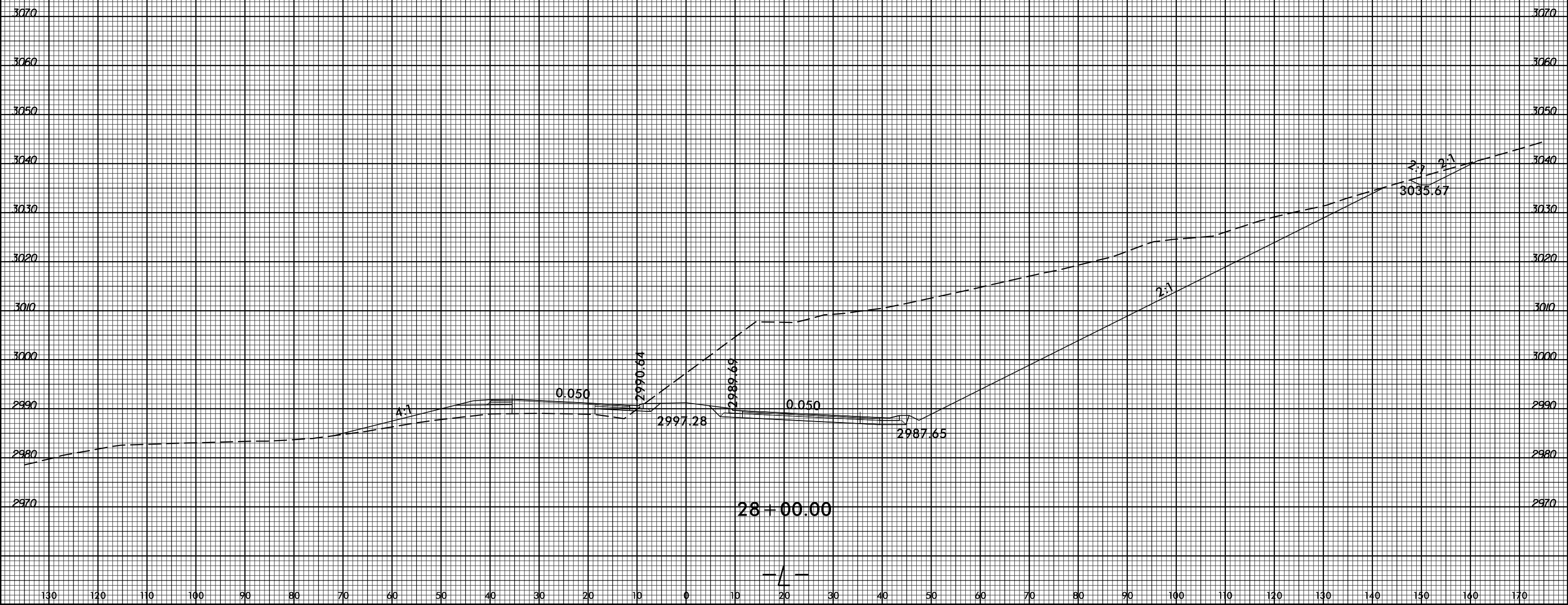
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-24

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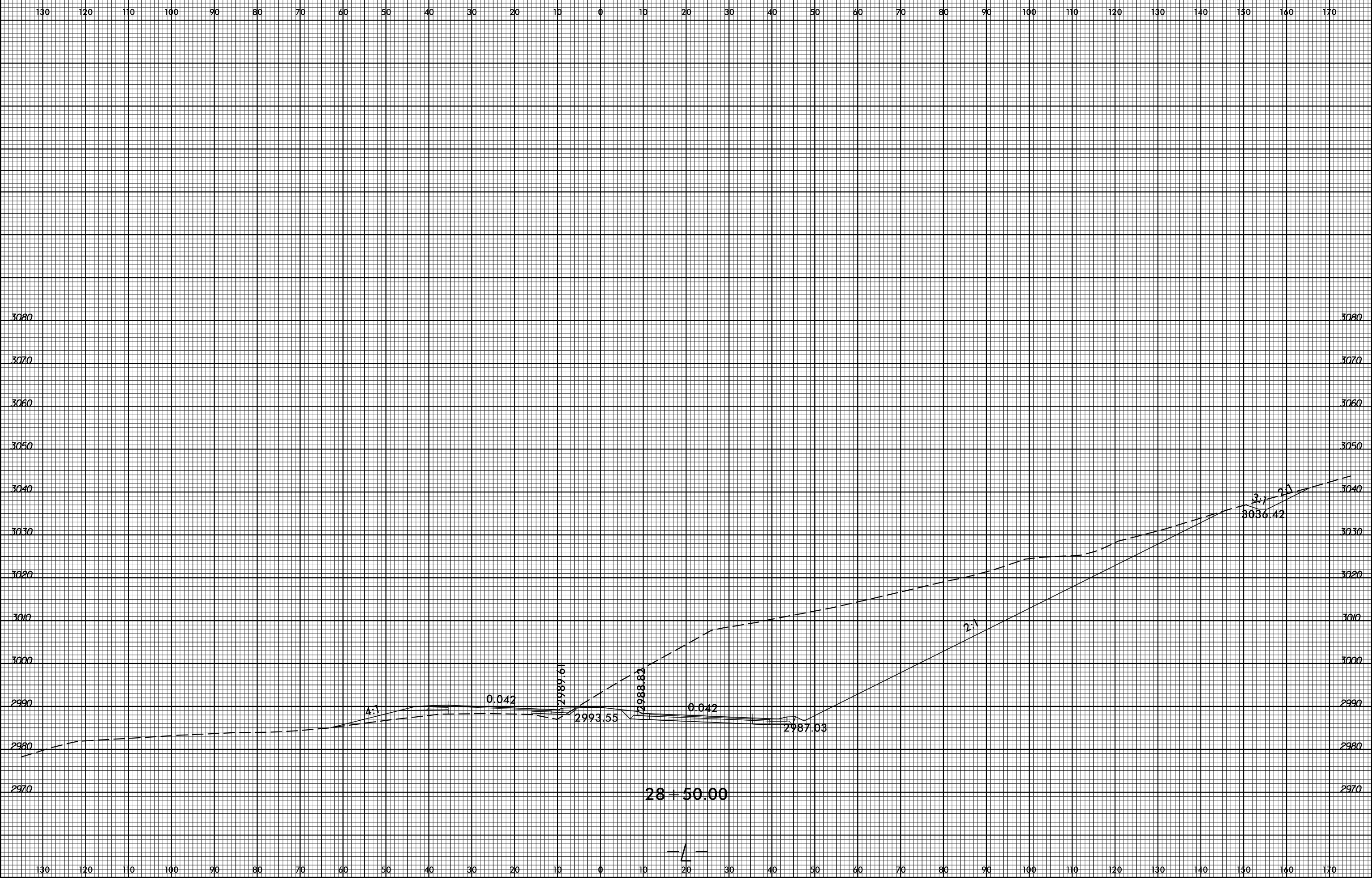
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-25

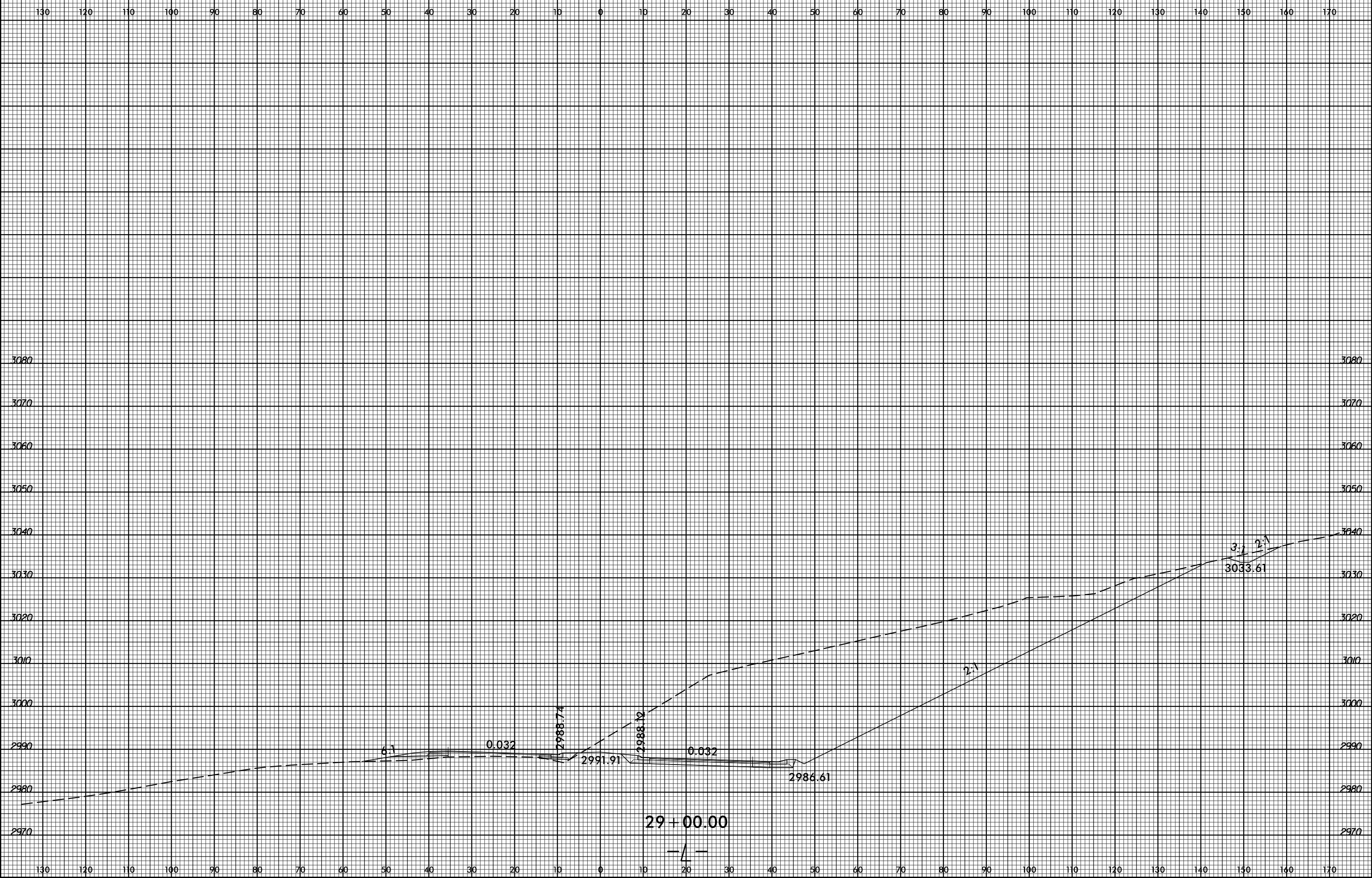


SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-26



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 \$\$\$SHEET\$\$\$\$\$  
 \$\$\$SCALE\$\$\$\$\$  
 \$\$\$UNITS\$\$\$\$\$  
 \$\$\$TOLERANCE\$\$\$\$\$  
 \$\$\$PROJECT\$\$\$\$\$  
 \$\$\$DRAWING\$\$\$\$\$  
 \$\$\$REVISION\$\$\$\$\$  
 \$\$\$APPROVAL\$\$\$\$\$  
 \$\$\$DATE\$\$\$\$\$



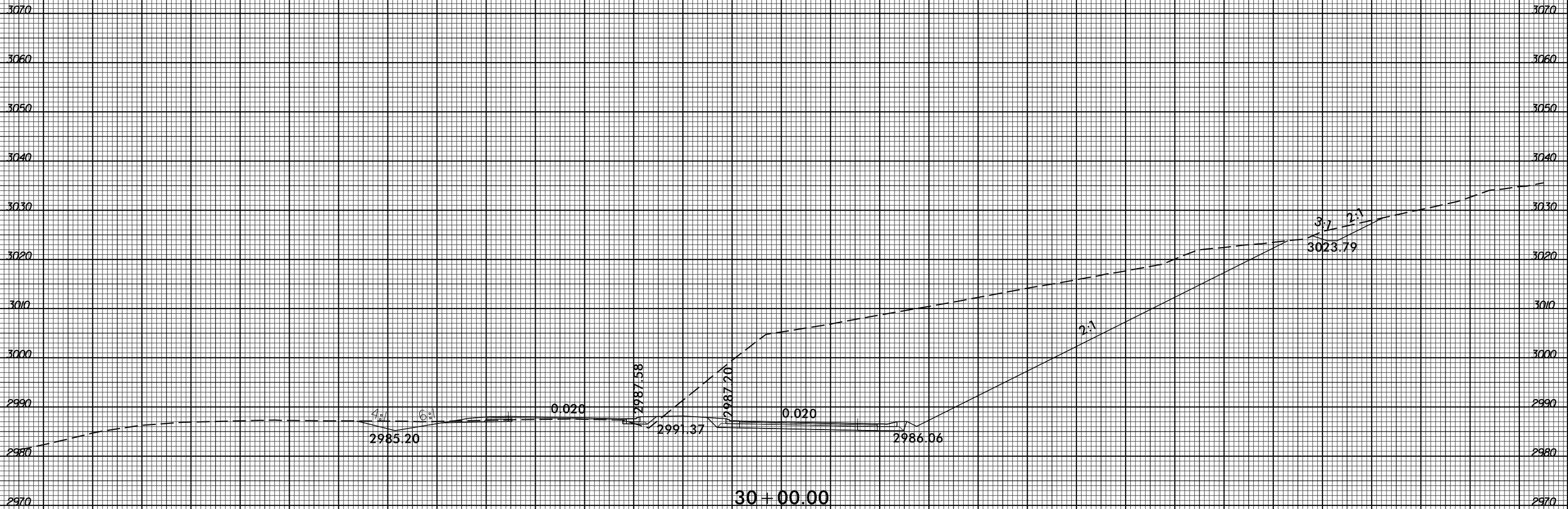


8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-28

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SYSTEMS  
SERVICES  
CONSULTANTS



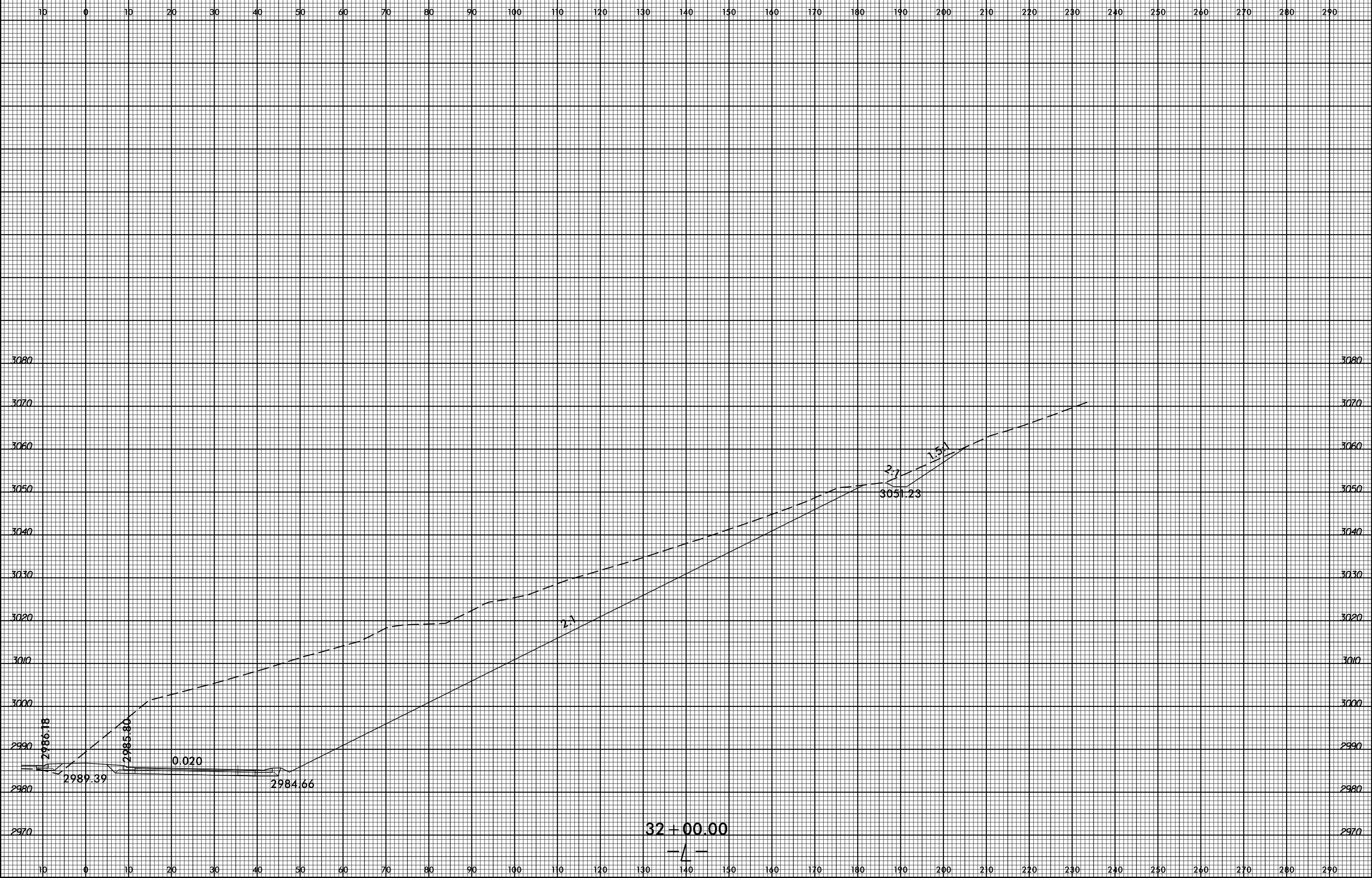




8/23/99

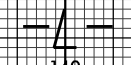


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-32



SYSTEMS  
 CONSULTANTS  
 INC.

32 + 00.00

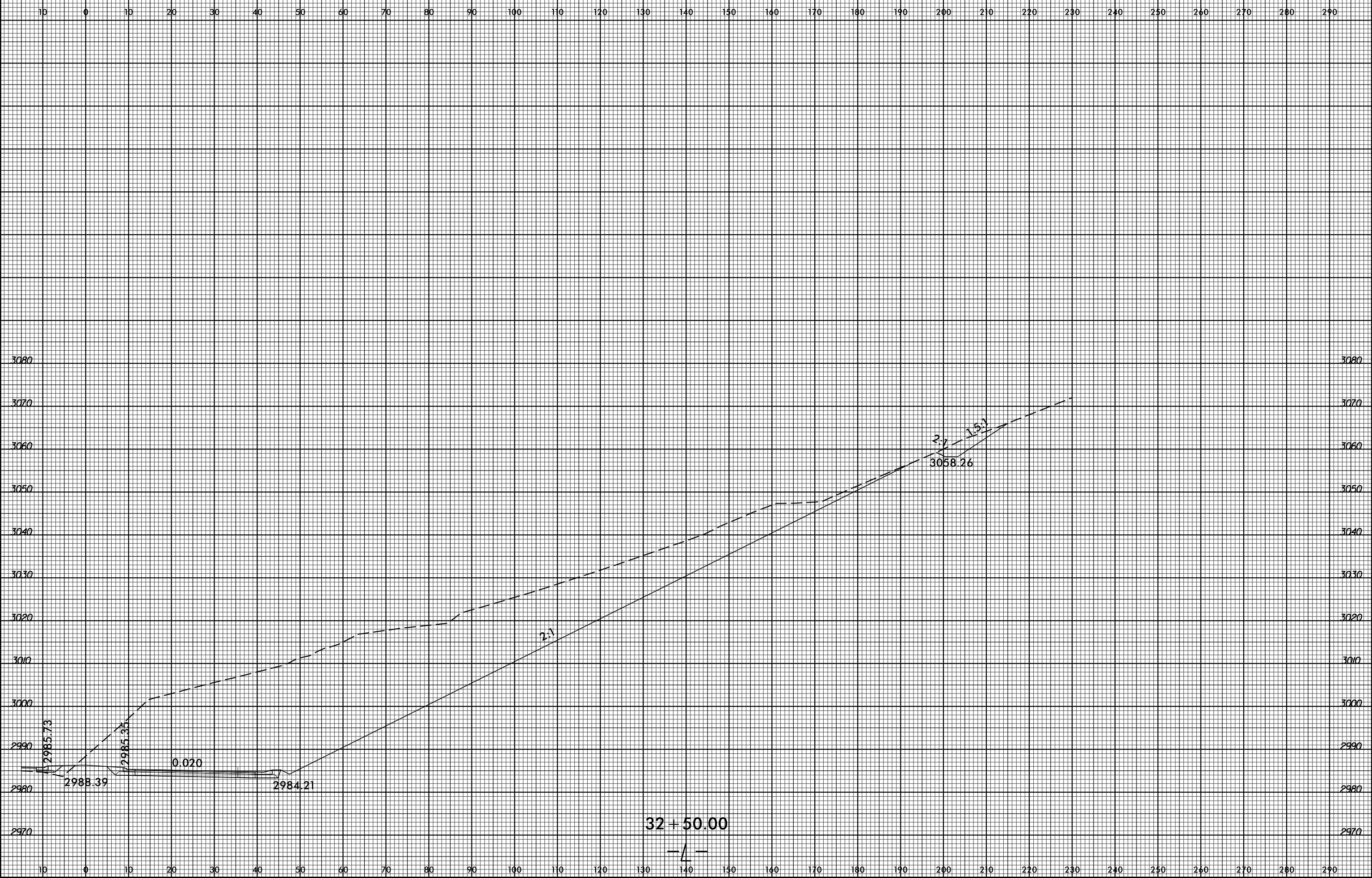


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-33

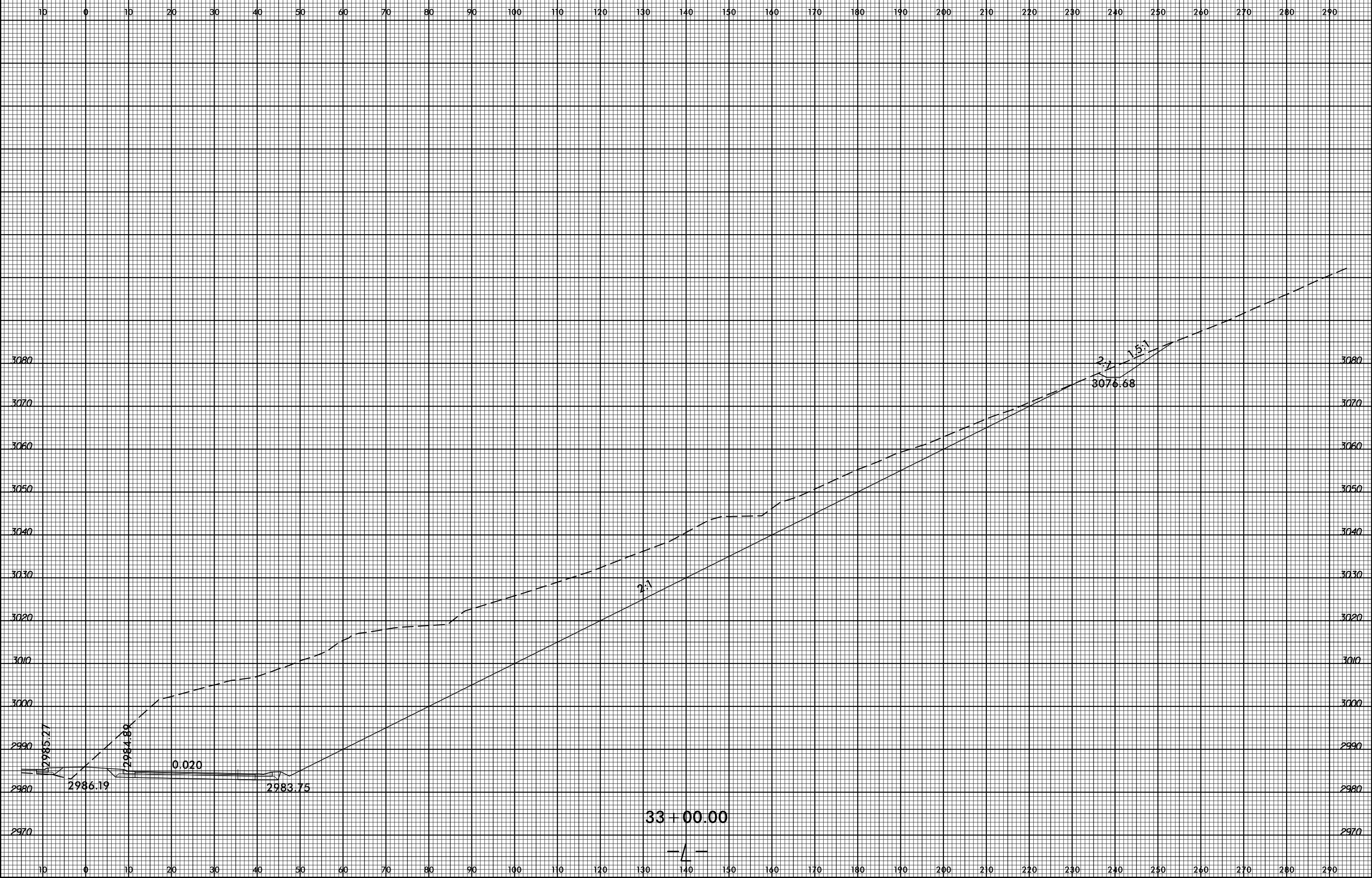


SYSTEMS  
DESIGN  
INC.

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-34



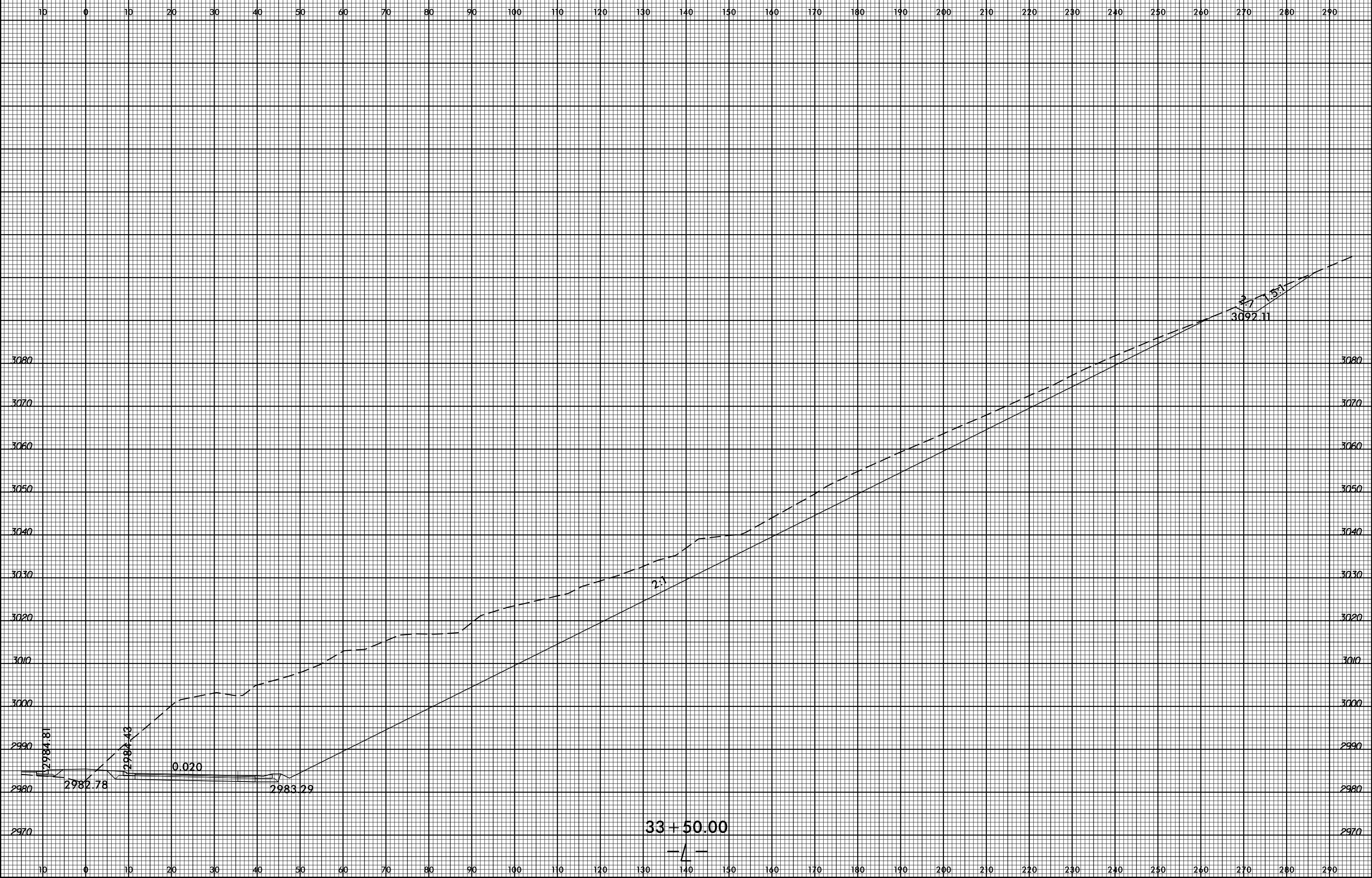
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8/23/99

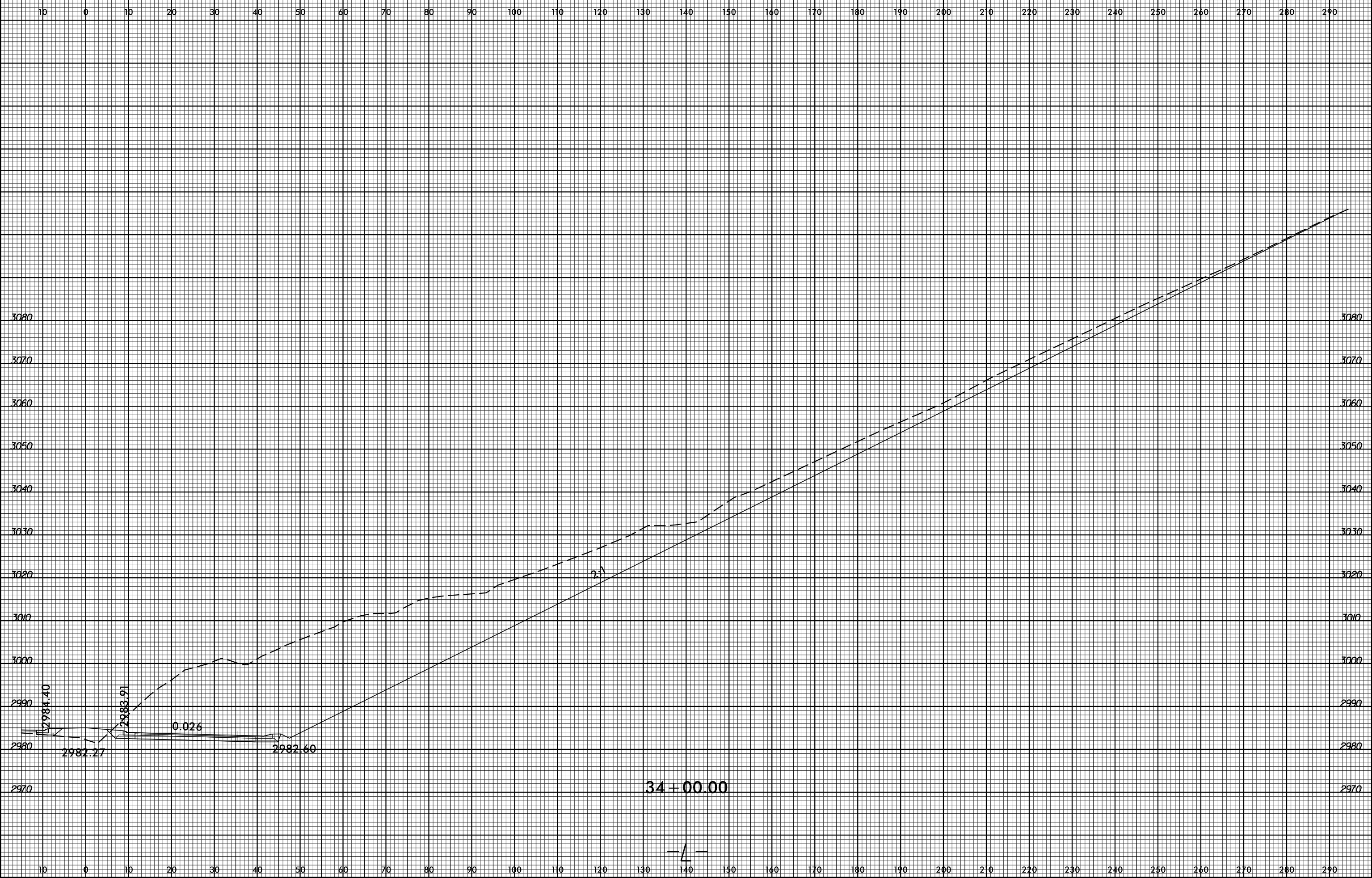


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-35



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 \$\$\$PROJECT\$\$\$\$\$  
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 \$\$\$USER\$\$\$\$\$

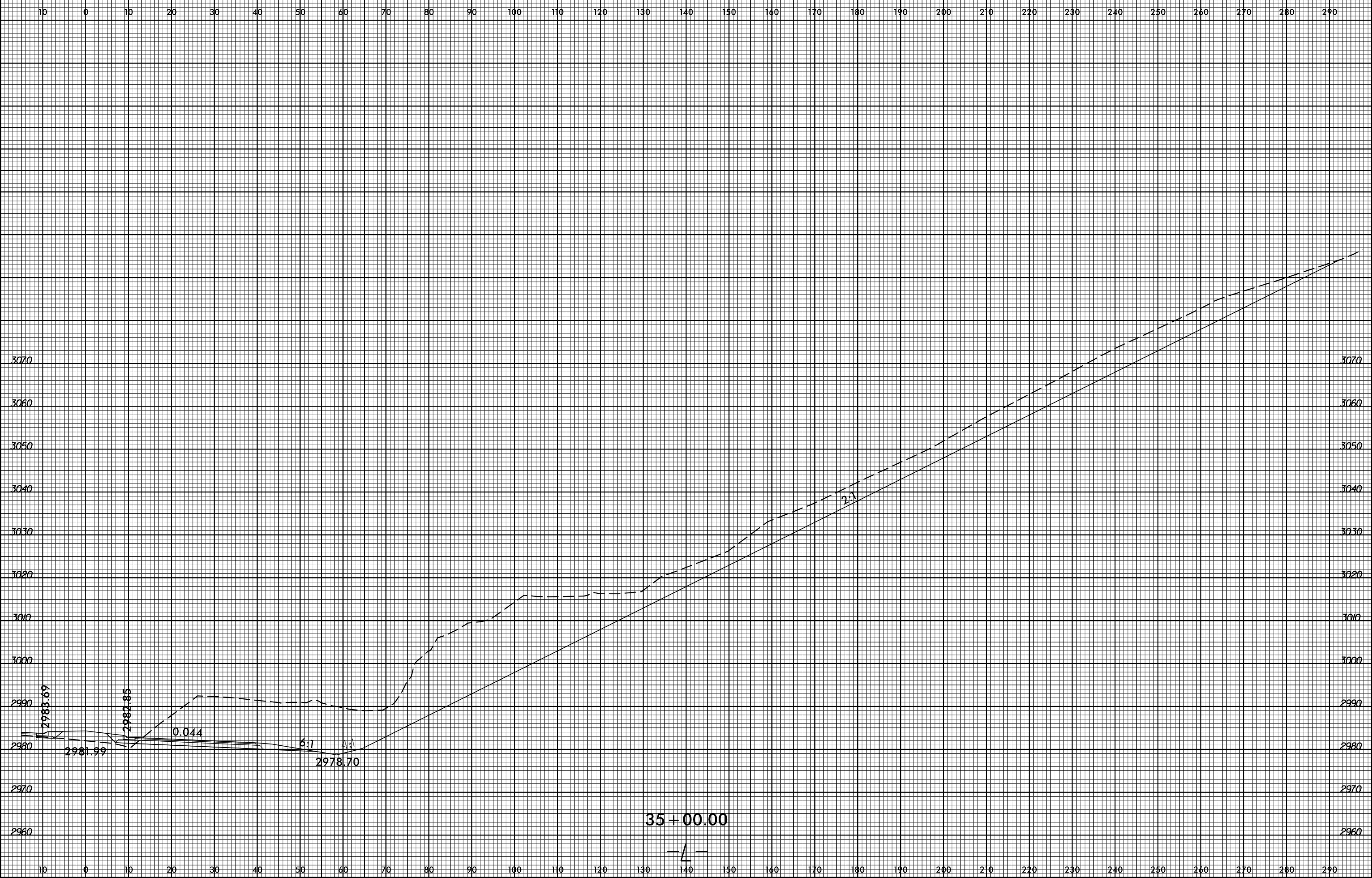
8/23/99



SYSTEMS  
SERVICES  
CONSULTANTS

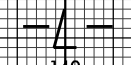


8/23/99

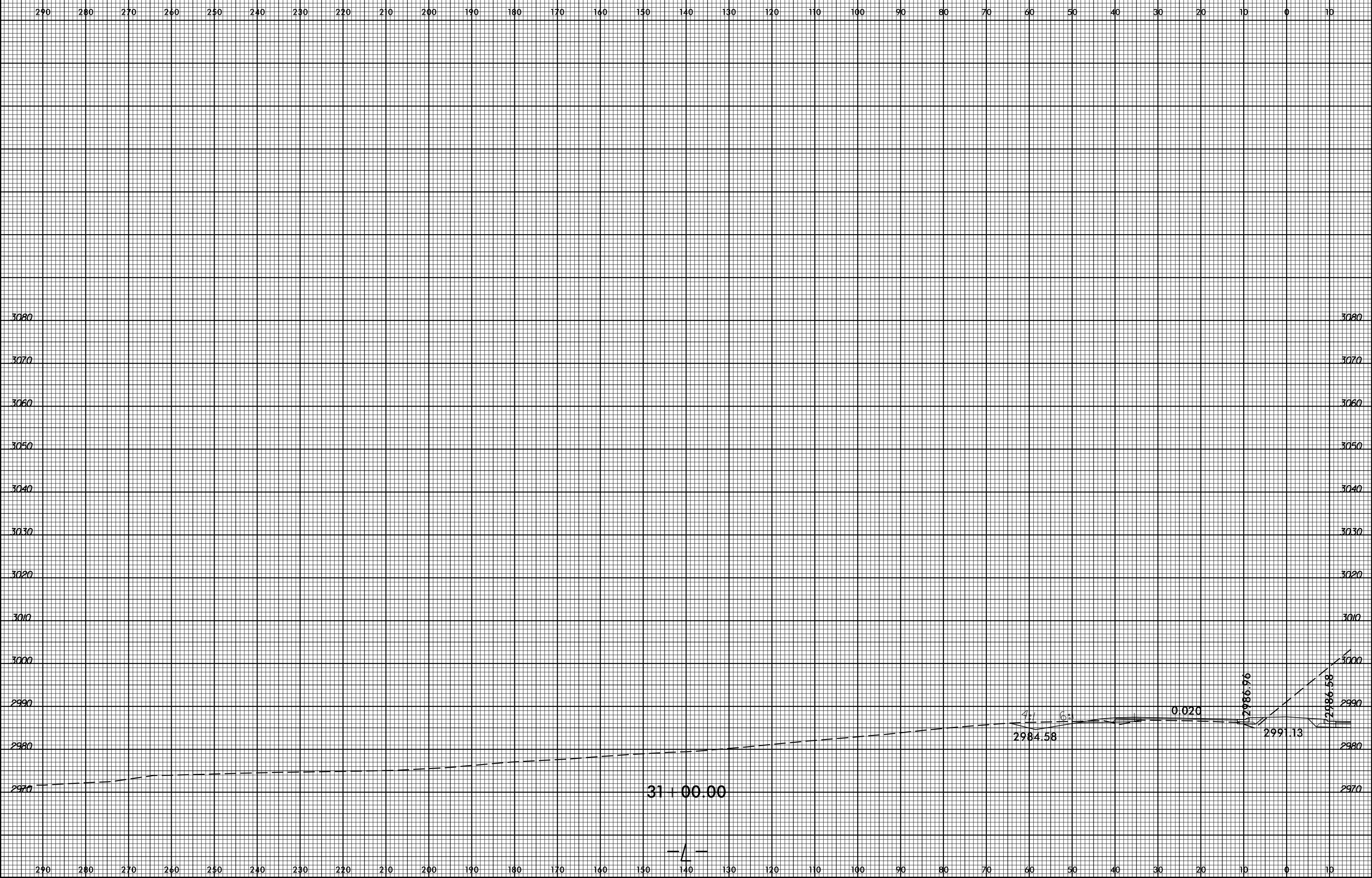


SYSTEMS  
SOLUTIONS

35 + 00.00



8/23/99



SYSTEMS  
CONSULTANTS  
INCORPORATED

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-40

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290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

SYSTEMS  
SUN



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-41

290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

3080

3080

3070

3070

3060

3060

3050

3050

3040

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3010

3010

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2990

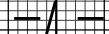
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2970

2970

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SYSTEMS COLUMN

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2989.39

2985.80

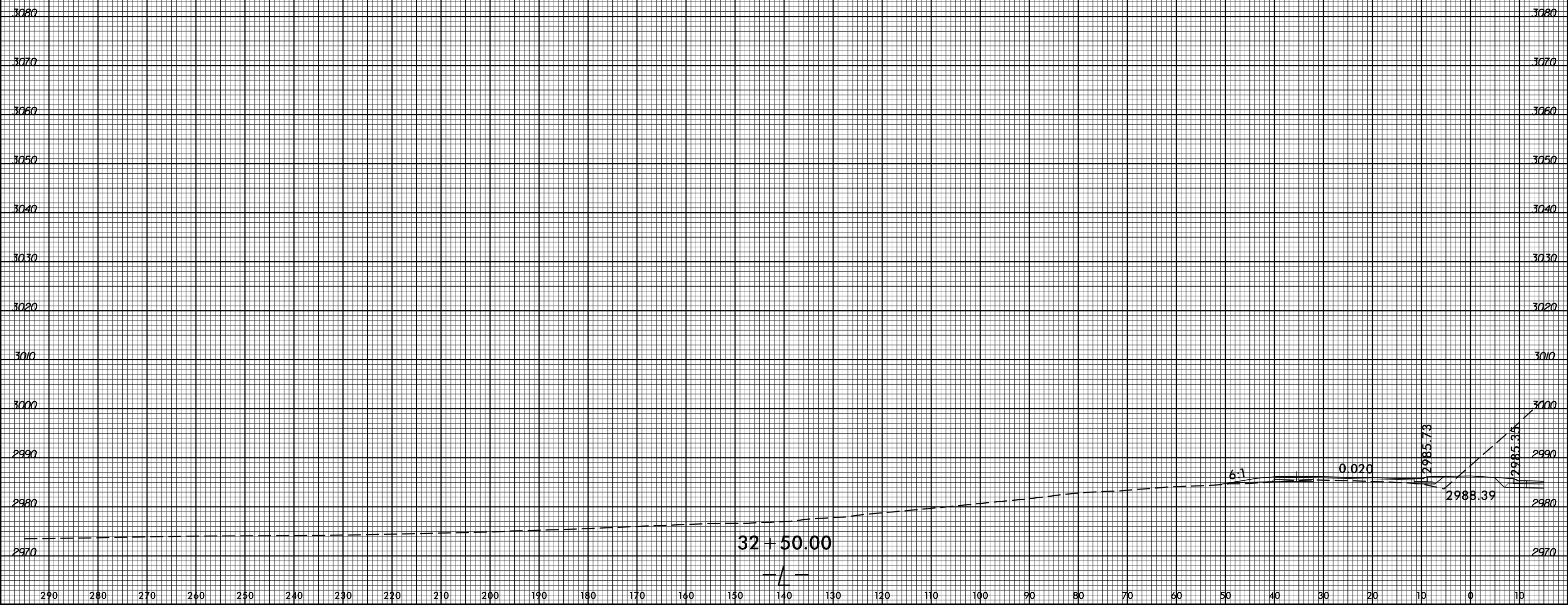
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-42

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SYSTEMS COLUMN



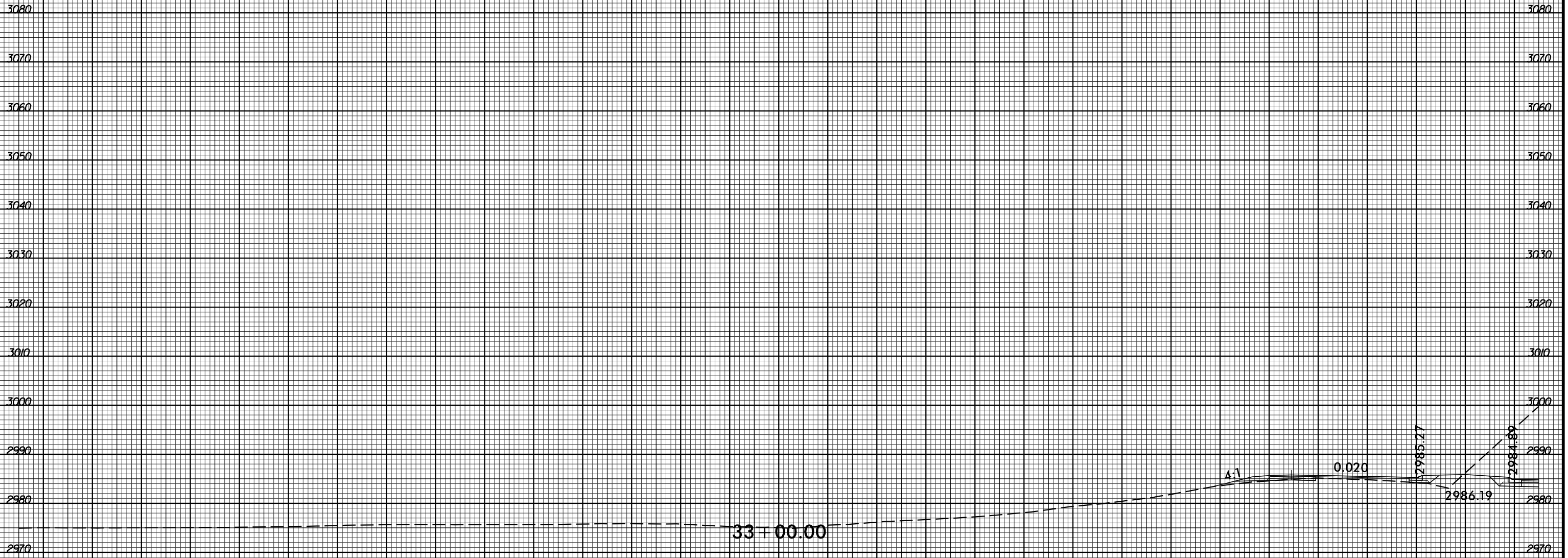
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-43

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SYSTEMS COLUMN

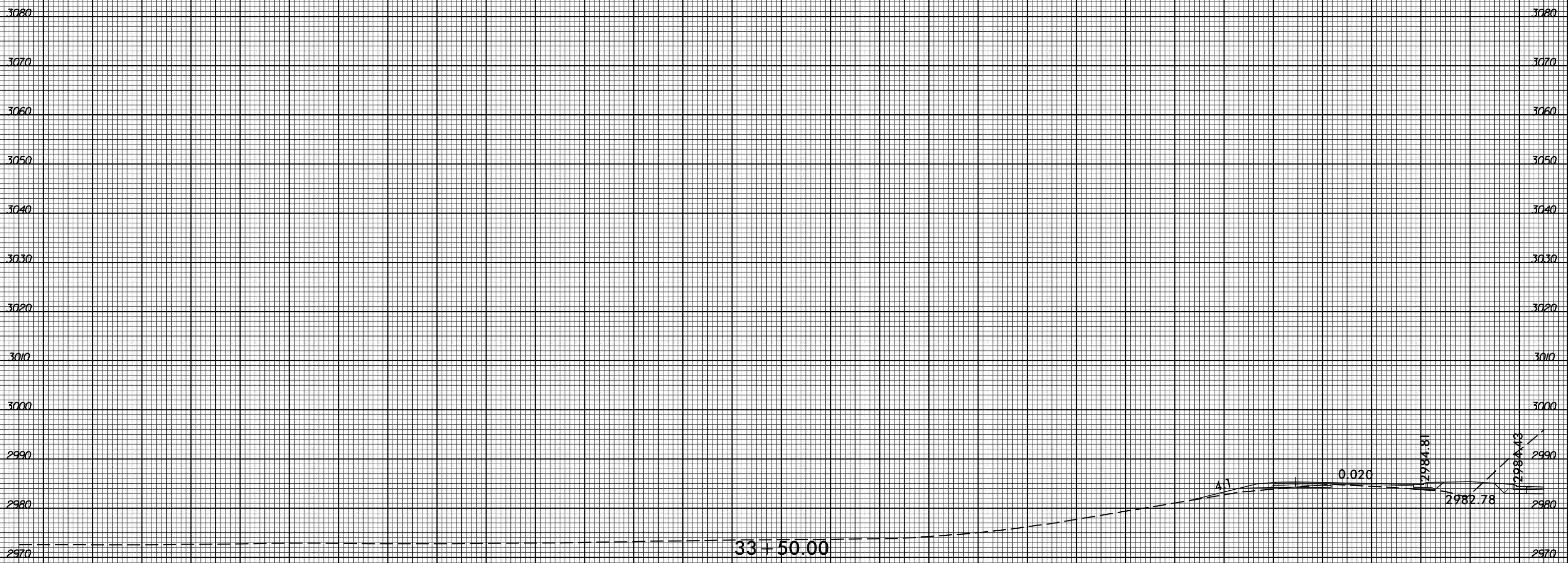
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-44

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290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

SYSTEMS  
SERVICES  
CORPORATION

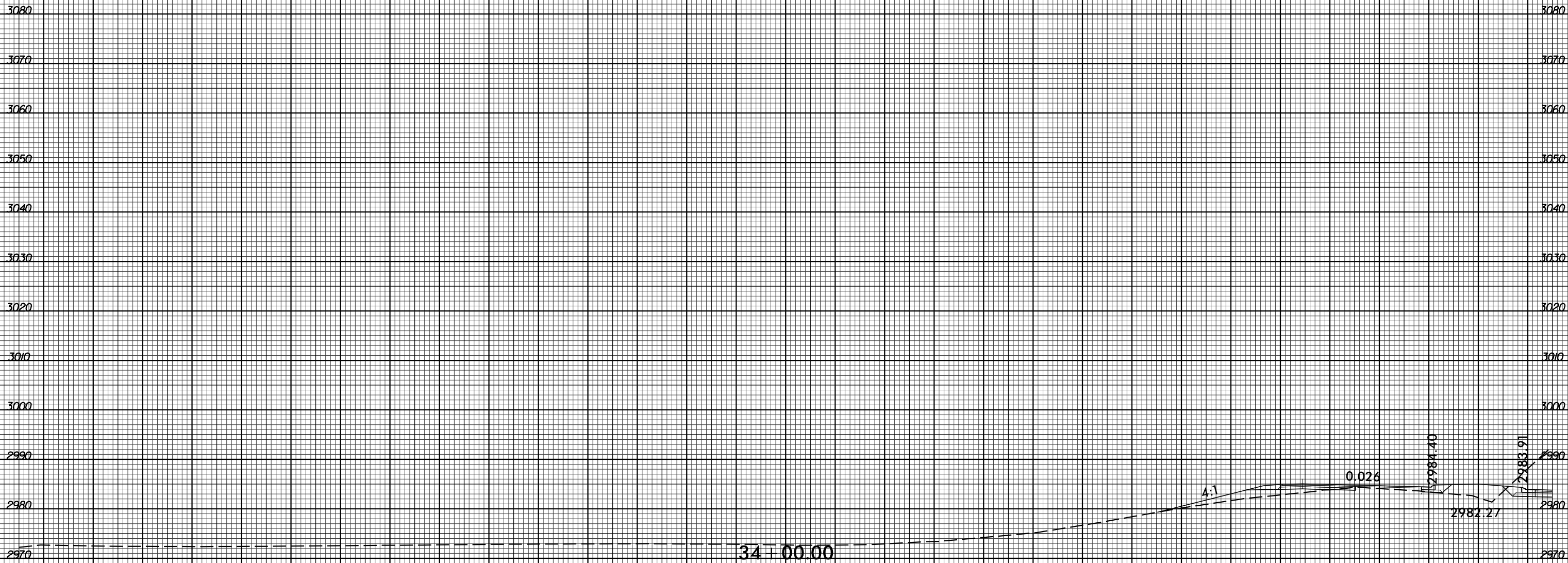
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-45

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SYSTEMS  
DESIGN  
INC.

290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

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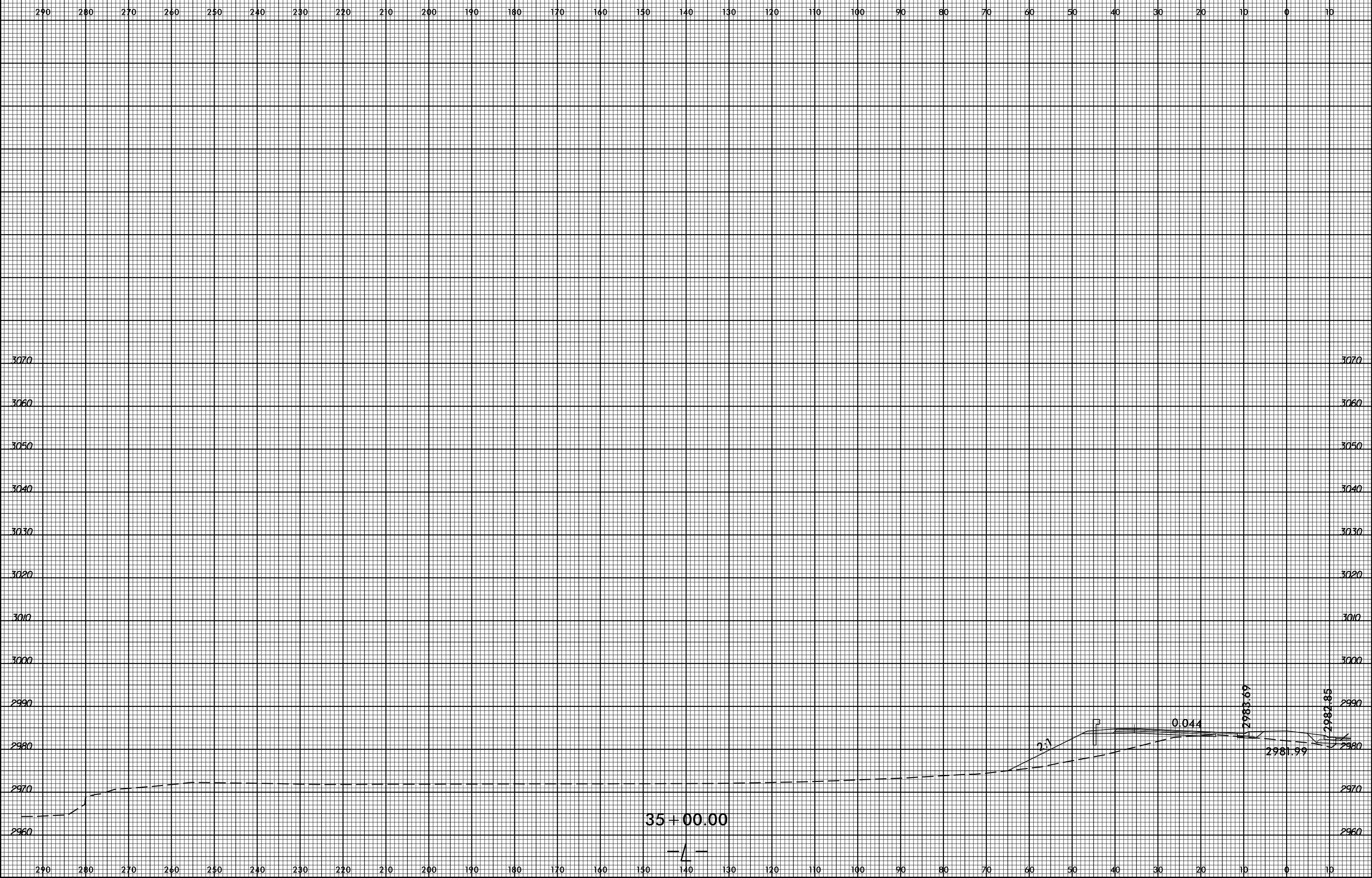


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-46



SYSTEMS  
 CONSULTANTS  
 INC.  
 1100  
 UNIVERSITY  
 AVENUE  
 SUITE 100  
 BERKELEY, CA 94704  
 (415) 848-8000  
 FAX (415) 848-8001  
 WWW.SCIENCON.COM

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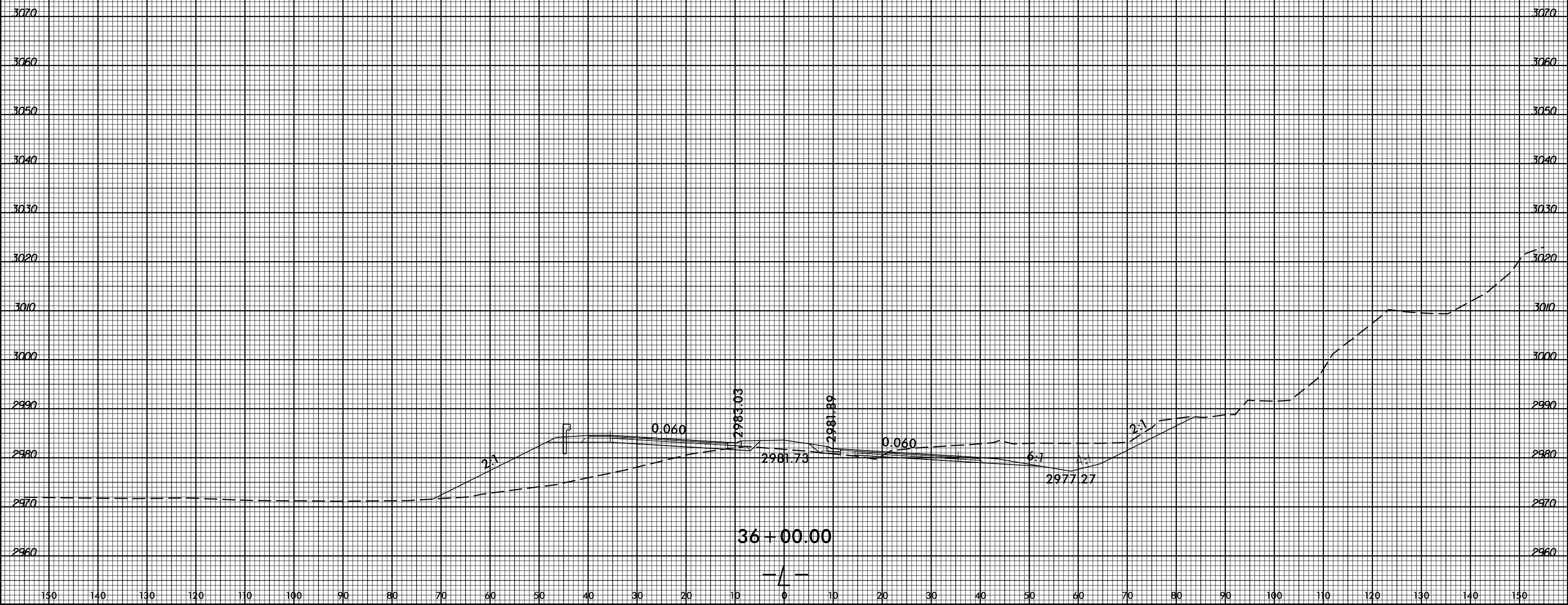
SYSTEMS  
CONSULTANTS  
INCORPORATED



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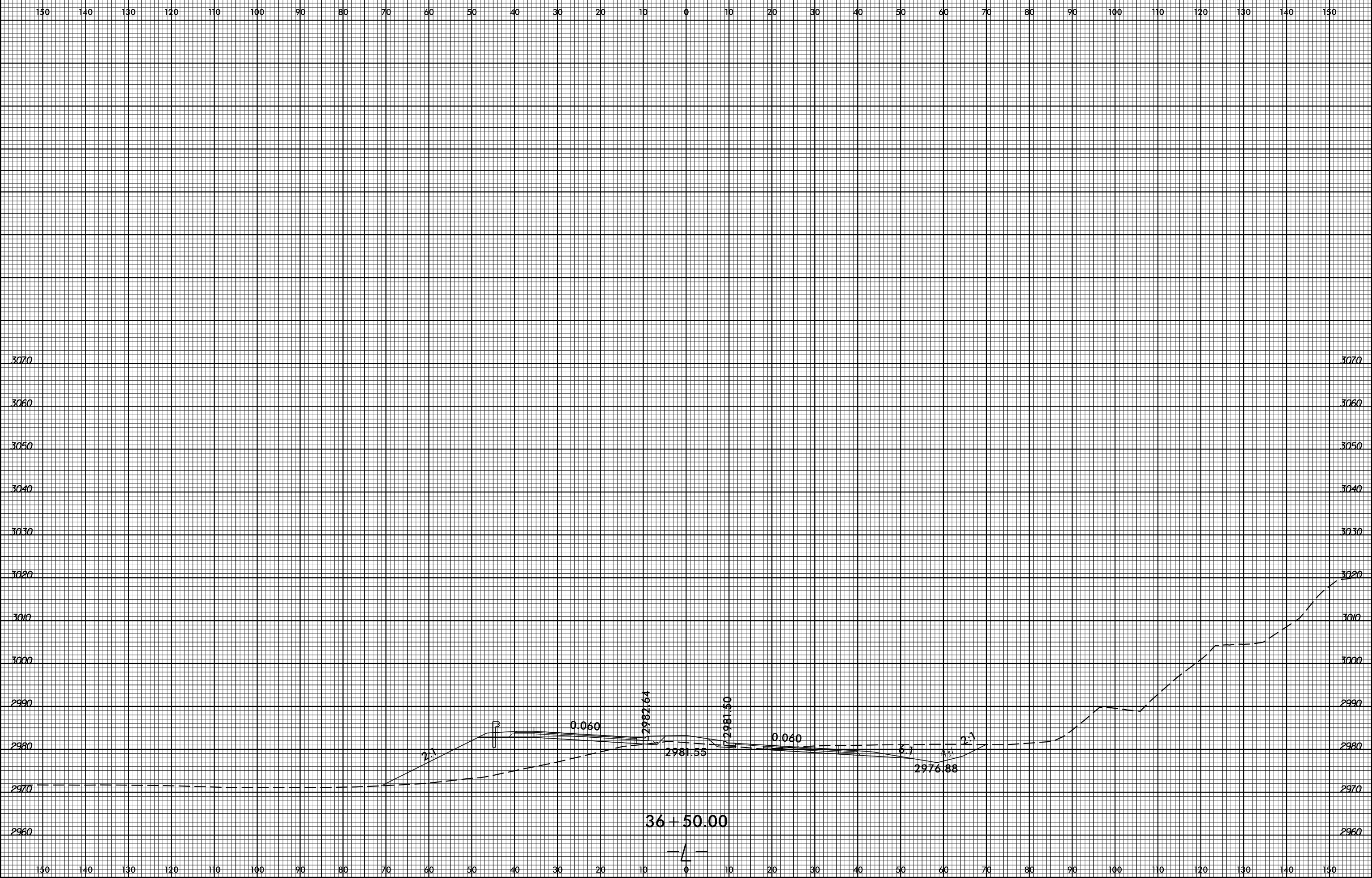


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SYSTEMS  
DESIGN  
INC.

8/23/99



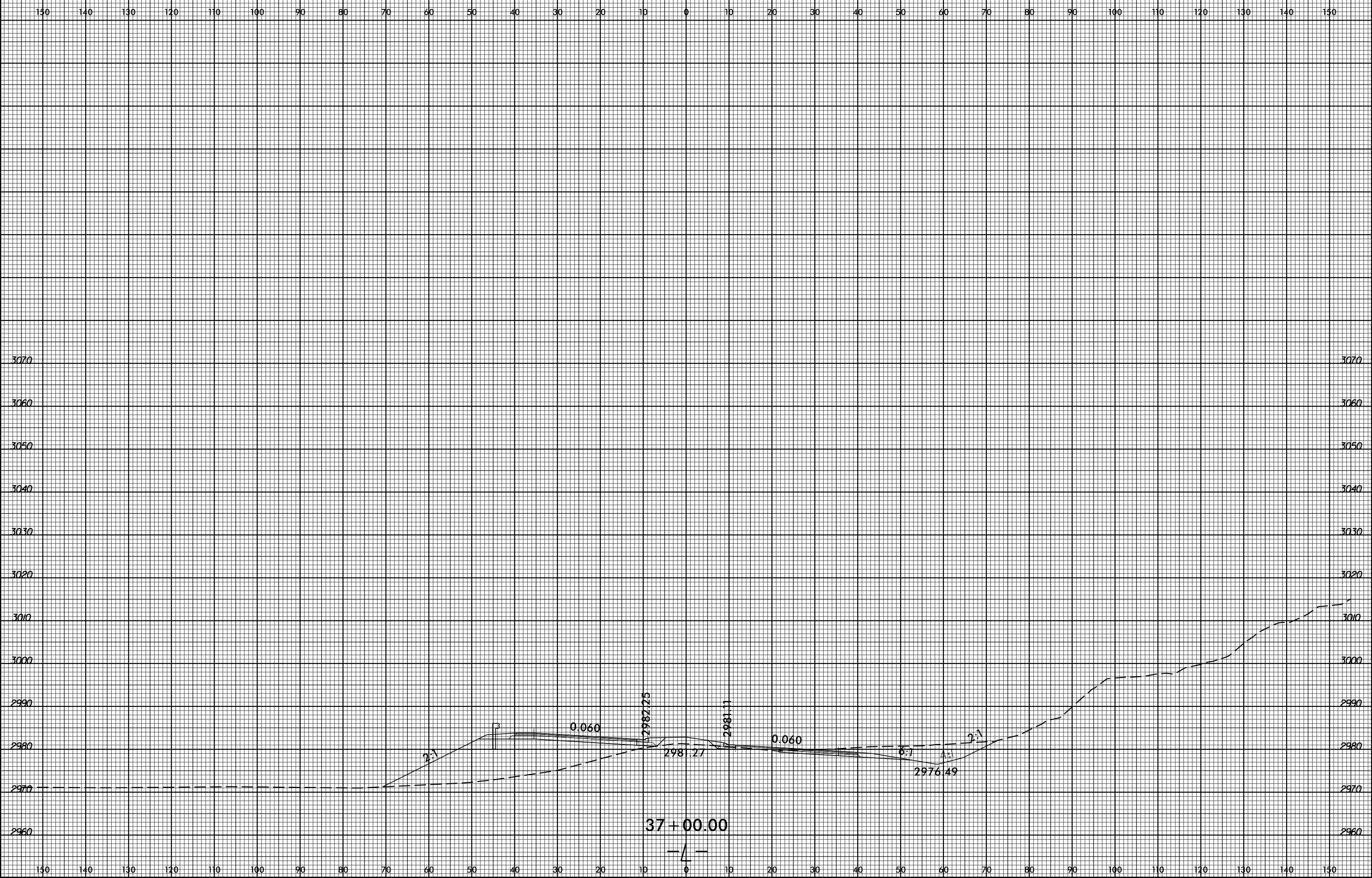
SYSTEMS



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-51



SYSTEMS  
 CONSULTANTS  
 INC.  
 1000  
 STREET  
 SUITE 100  
 COSTA MESA, CA 92626  
 TEL: 714/440-2600  
 FAX: 714/440-2601  
 WWW.SCIENCSYS.COM

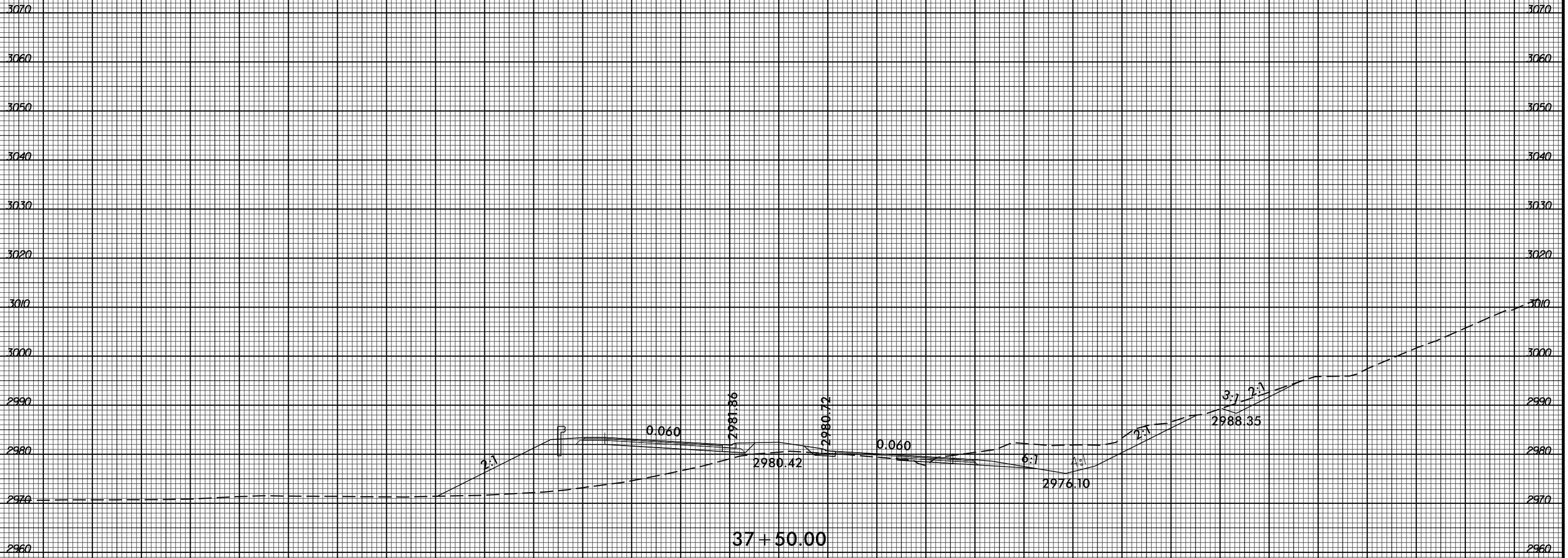
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-52

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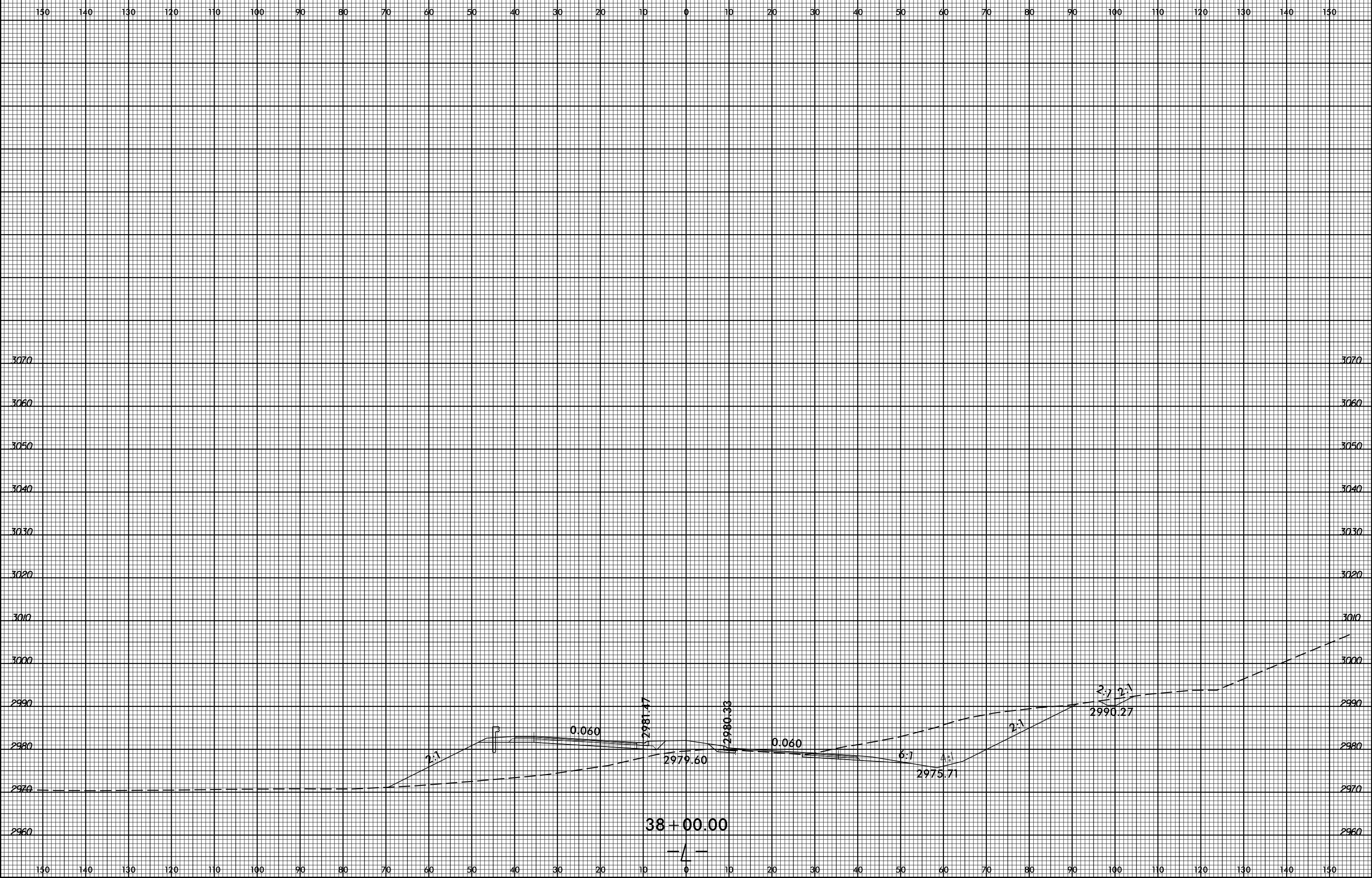
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SYSTEMS  
SERVICES  
INC.

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PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-53

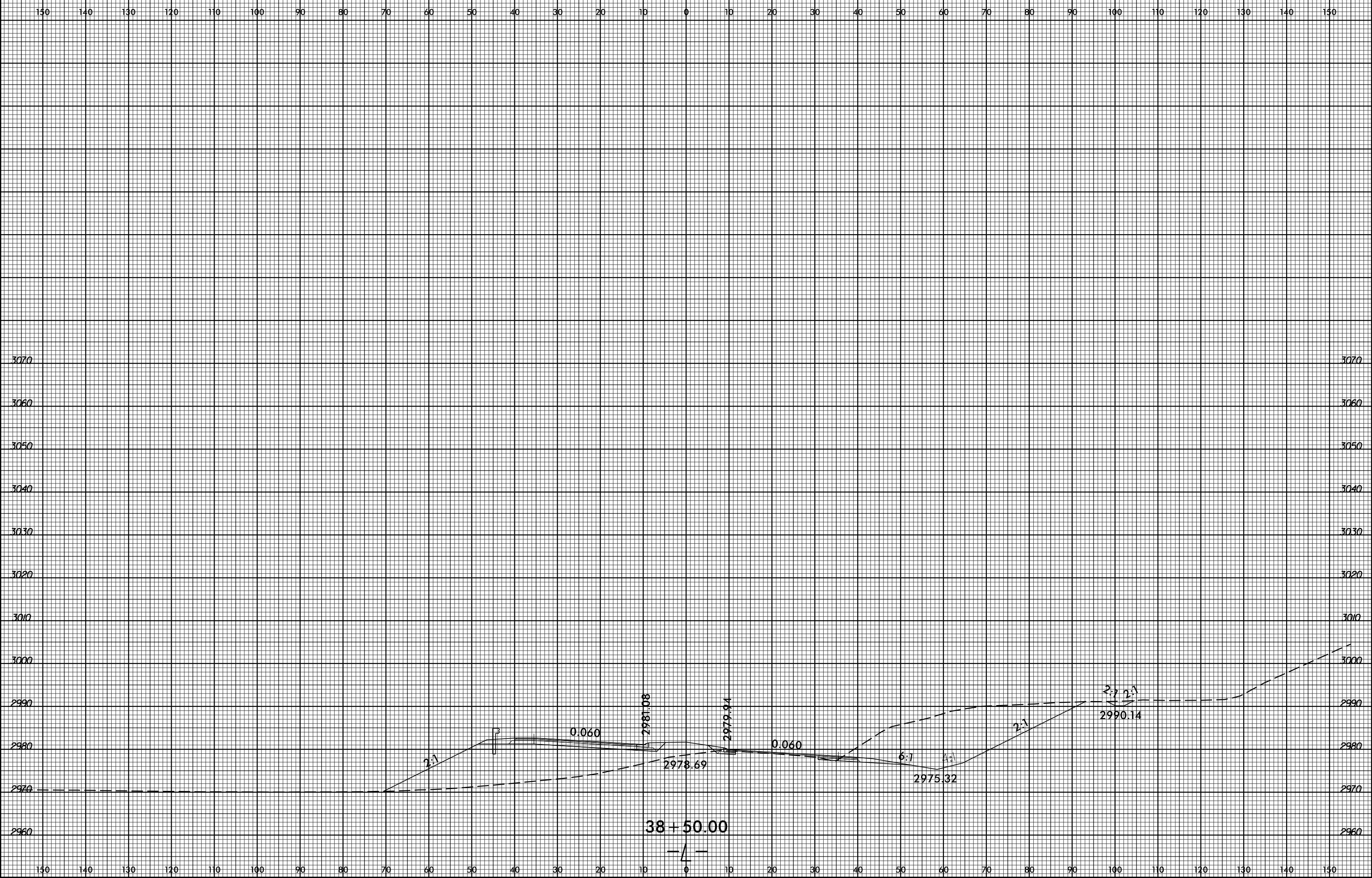


SYSTEMS

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-54



SYSTEMS  
 DESIGN  
 CONSULTANTS  
 INC.

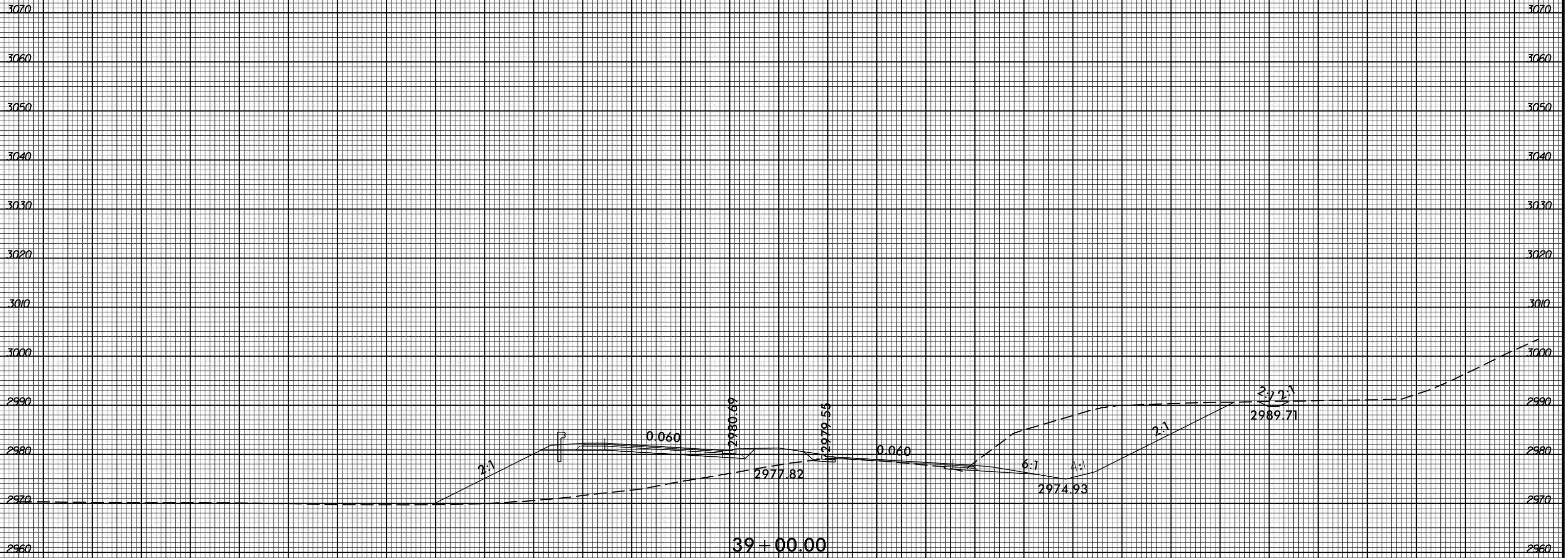
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-55

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SYSTEMS  
DESIGN  
INC.

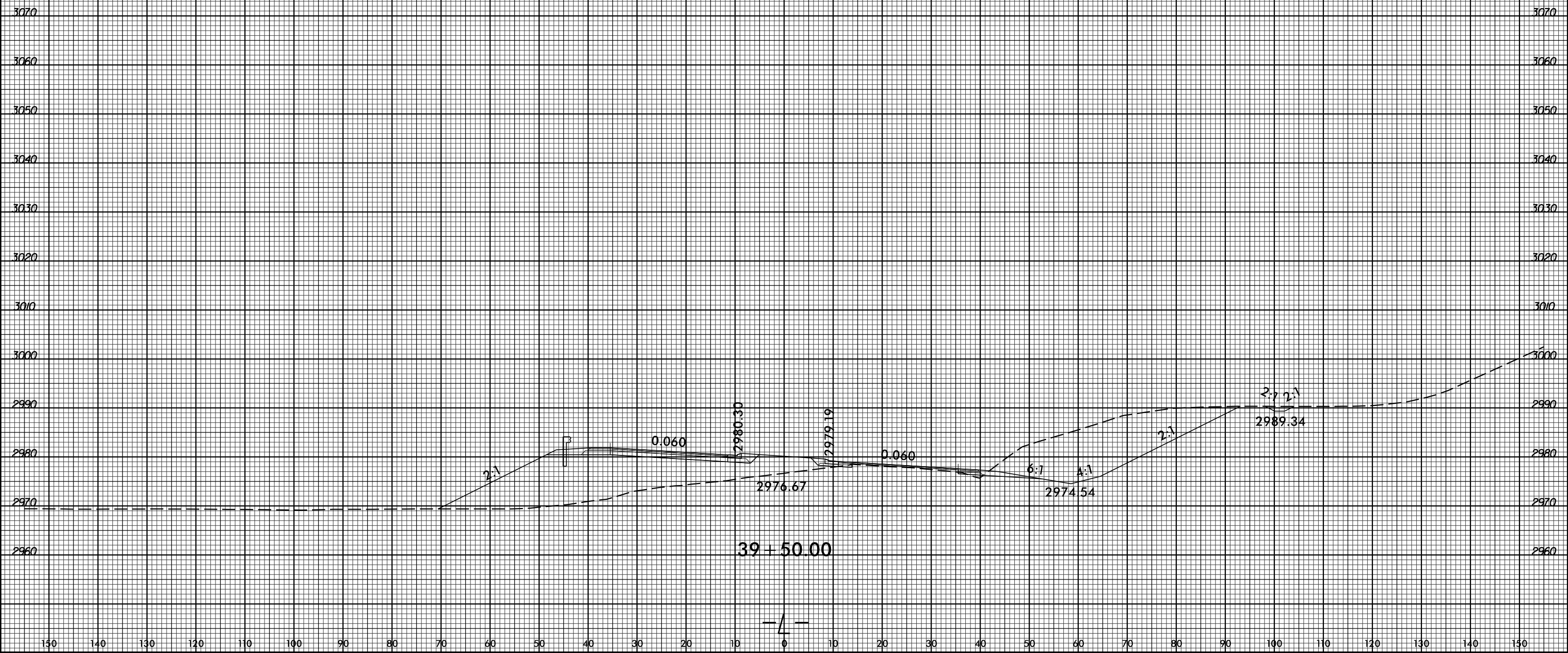
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-56

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3070 3070

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3050 3050

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3030 3030

3020 3020

3010 3010

3000 3000

2990 2990

2980 2980

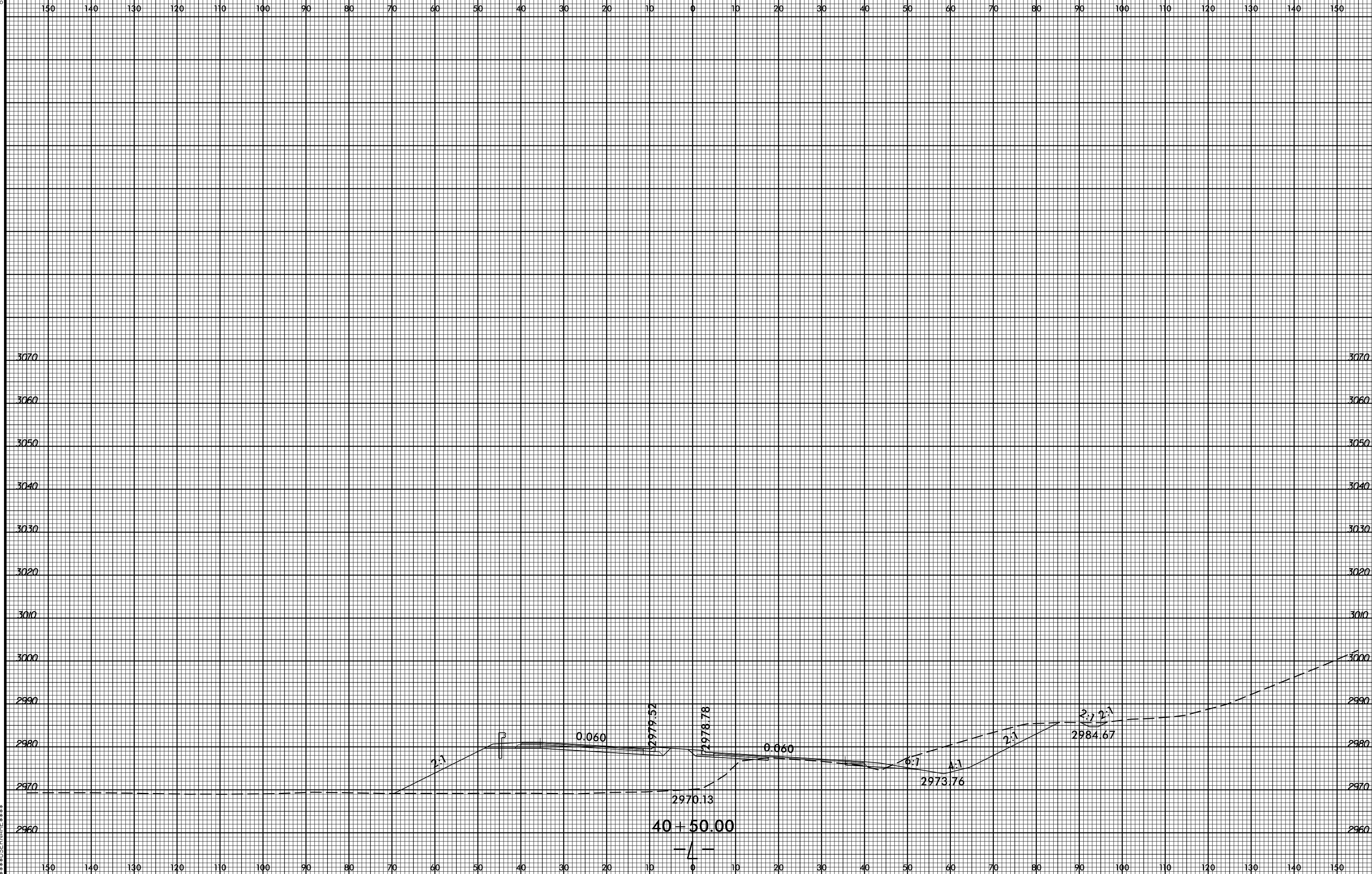
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2960 2960

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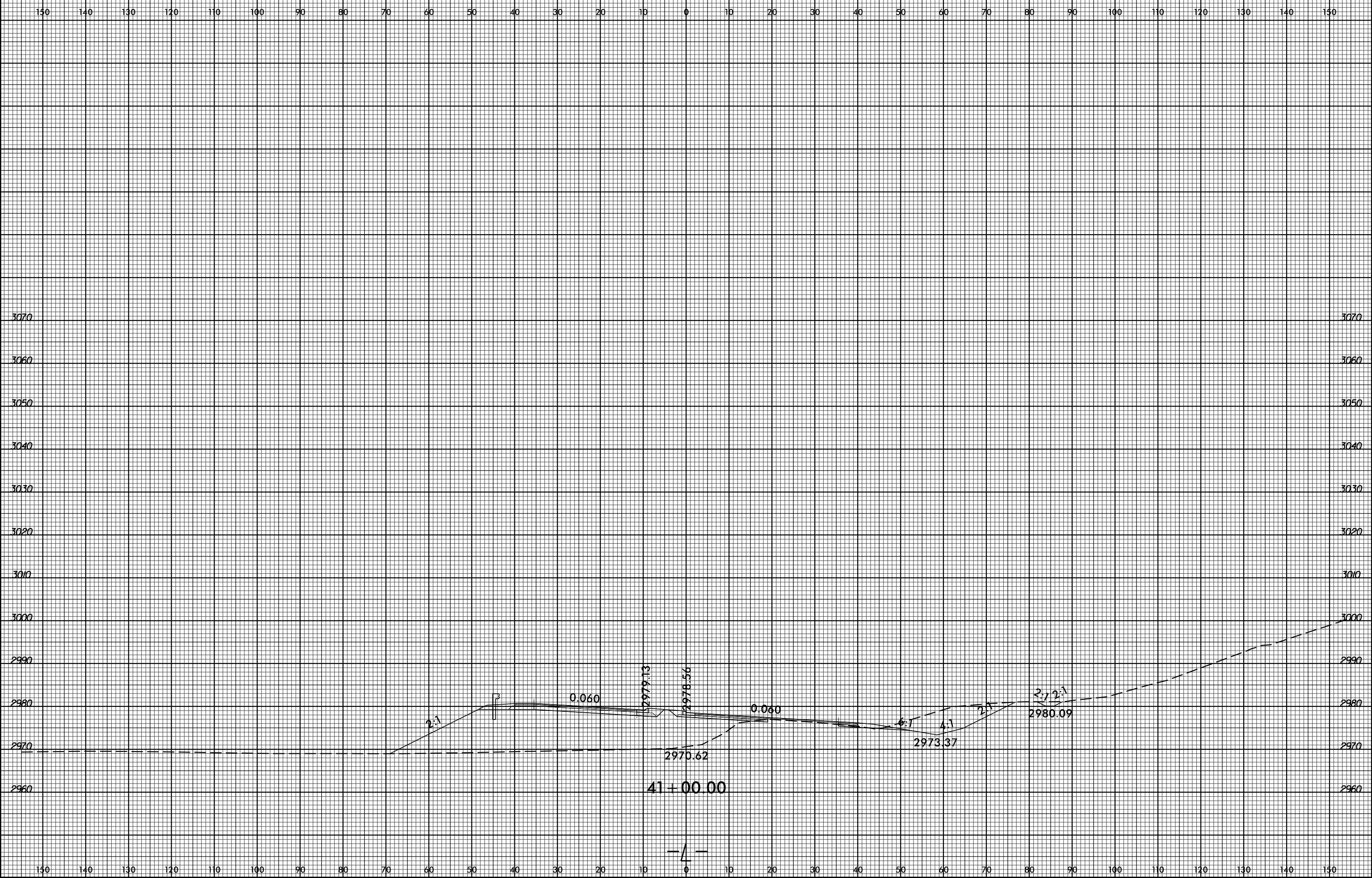
SYSTEMS  
SERVICES  
INC.





SYSTEMS  
DESIGN  
INC.





SYSTEMS  
 CONSULTANTS  
 INC.



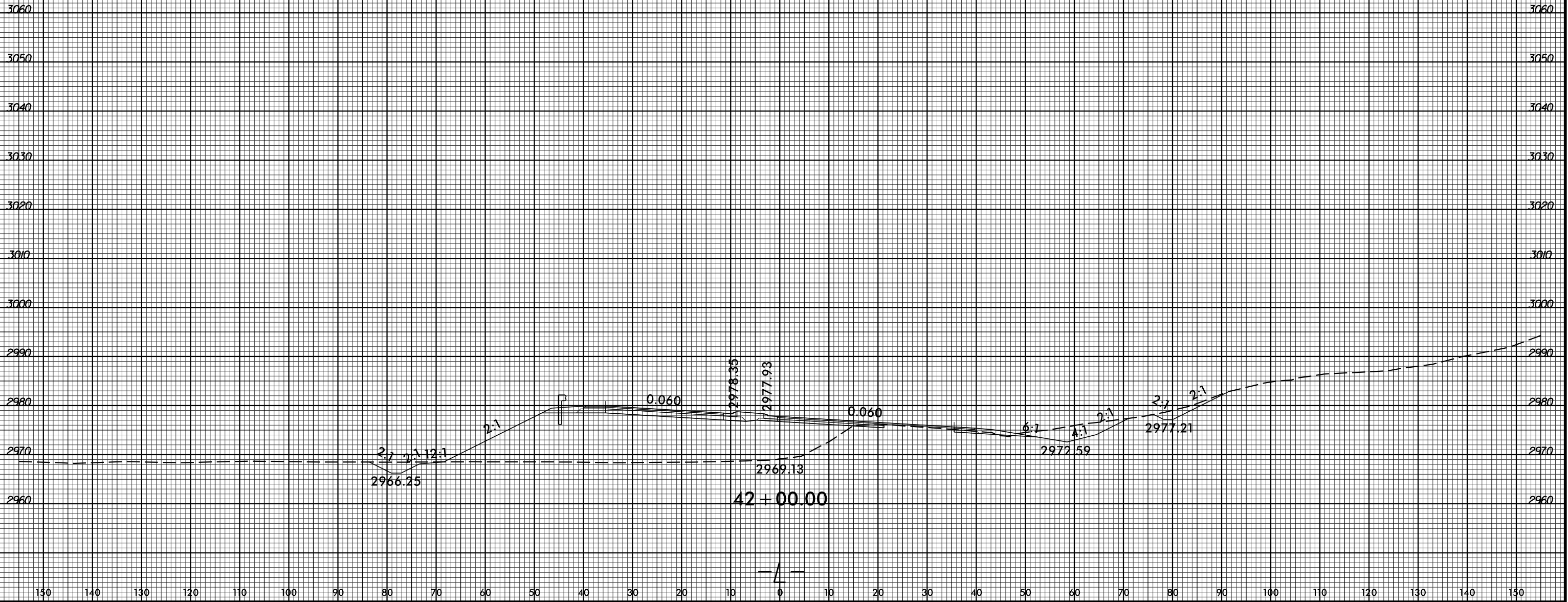
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-61

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SYSTEMS  
SERVICES  
INCORPORATED

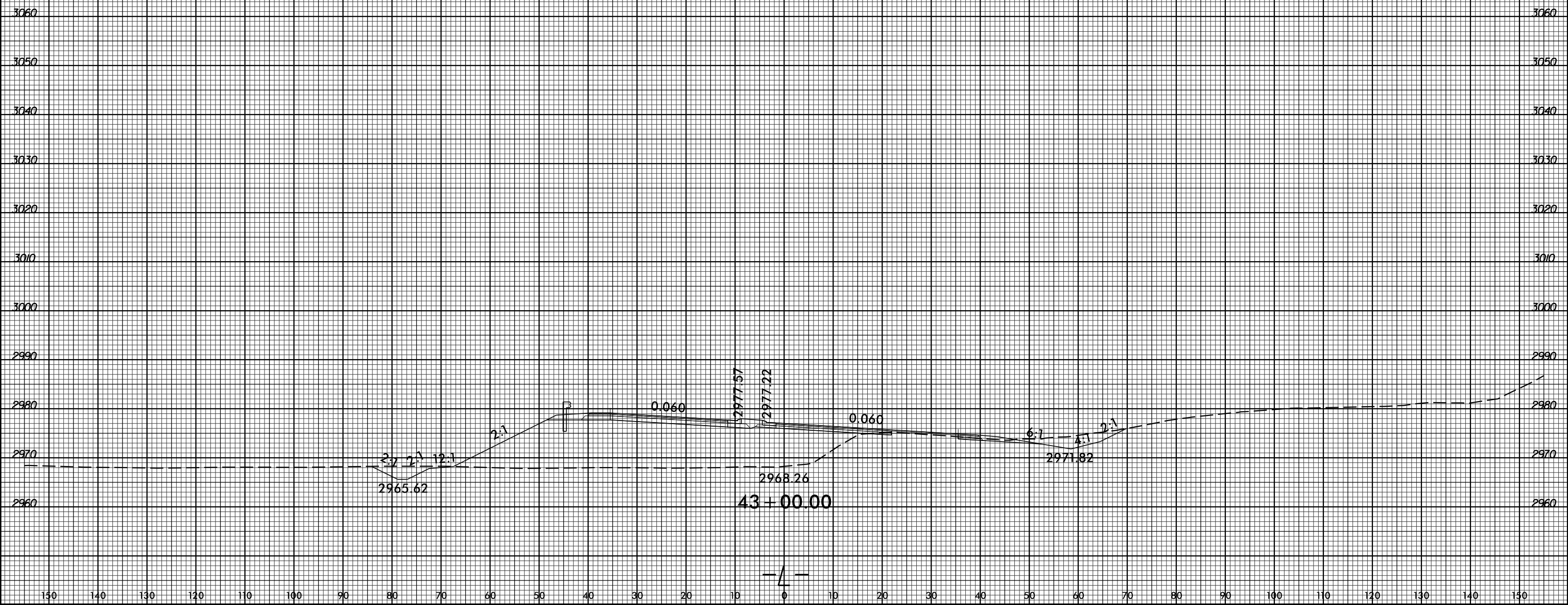


8/23/99



PROJ. REFERENCE NO. R-2915A	SHEET NO. X-63
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SYSTEMS  
SERVICES  
INC.

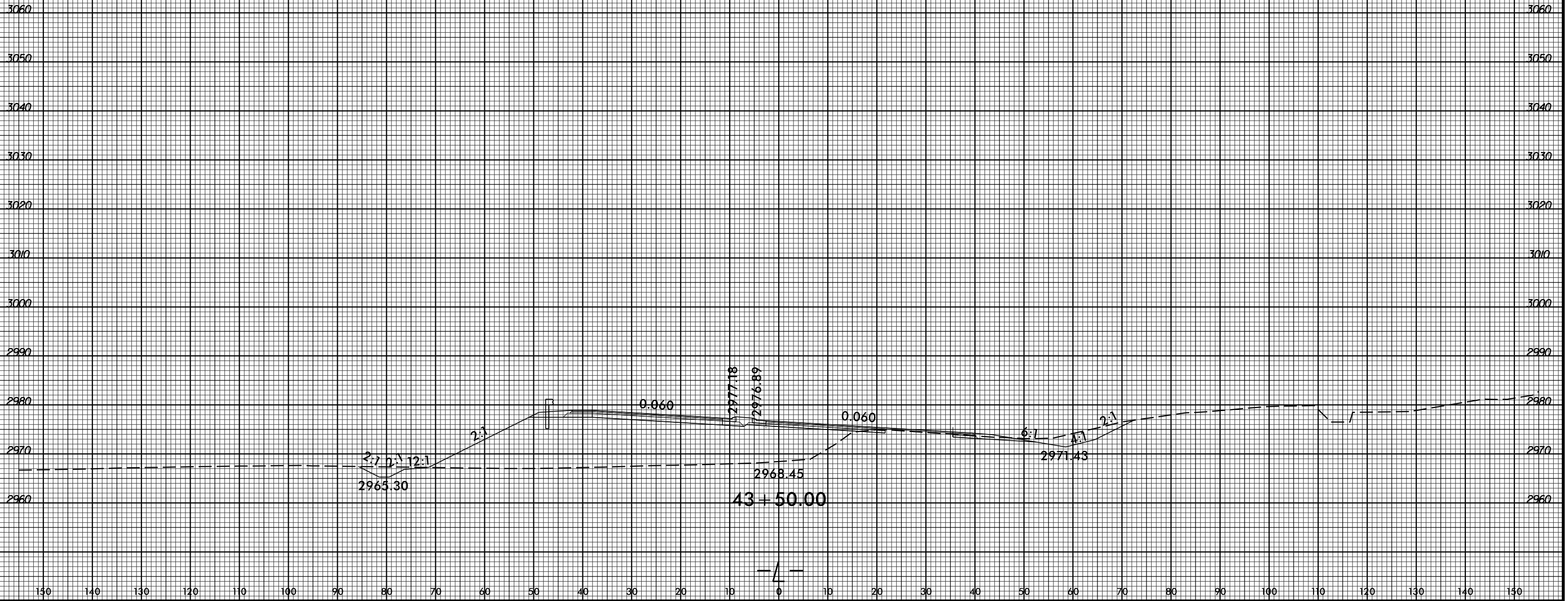
8/23/99



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R-2915A

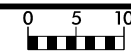
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X-64

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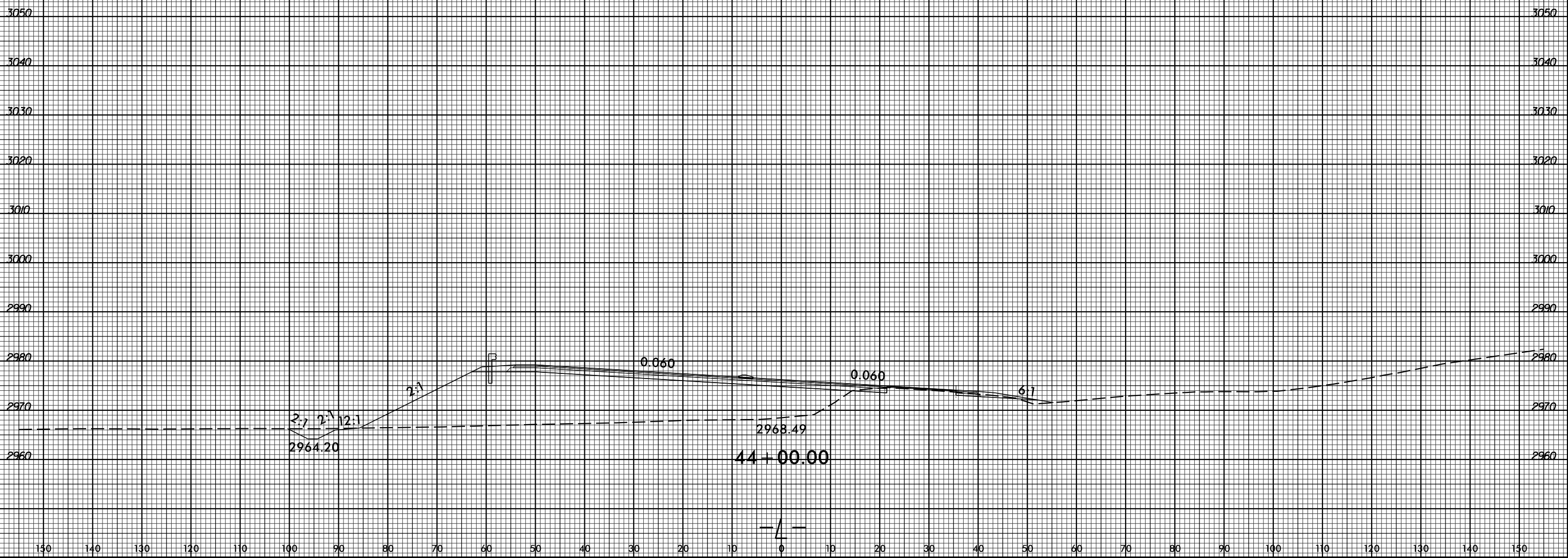
SYSTEMS  
CONSULTANTS  
INCORPORATED

8/23/99



PROJ. REFERENCE NO. R-2915A	SHEET NO. X-65
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SYSTEMS  
SERVICES  
INC.

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



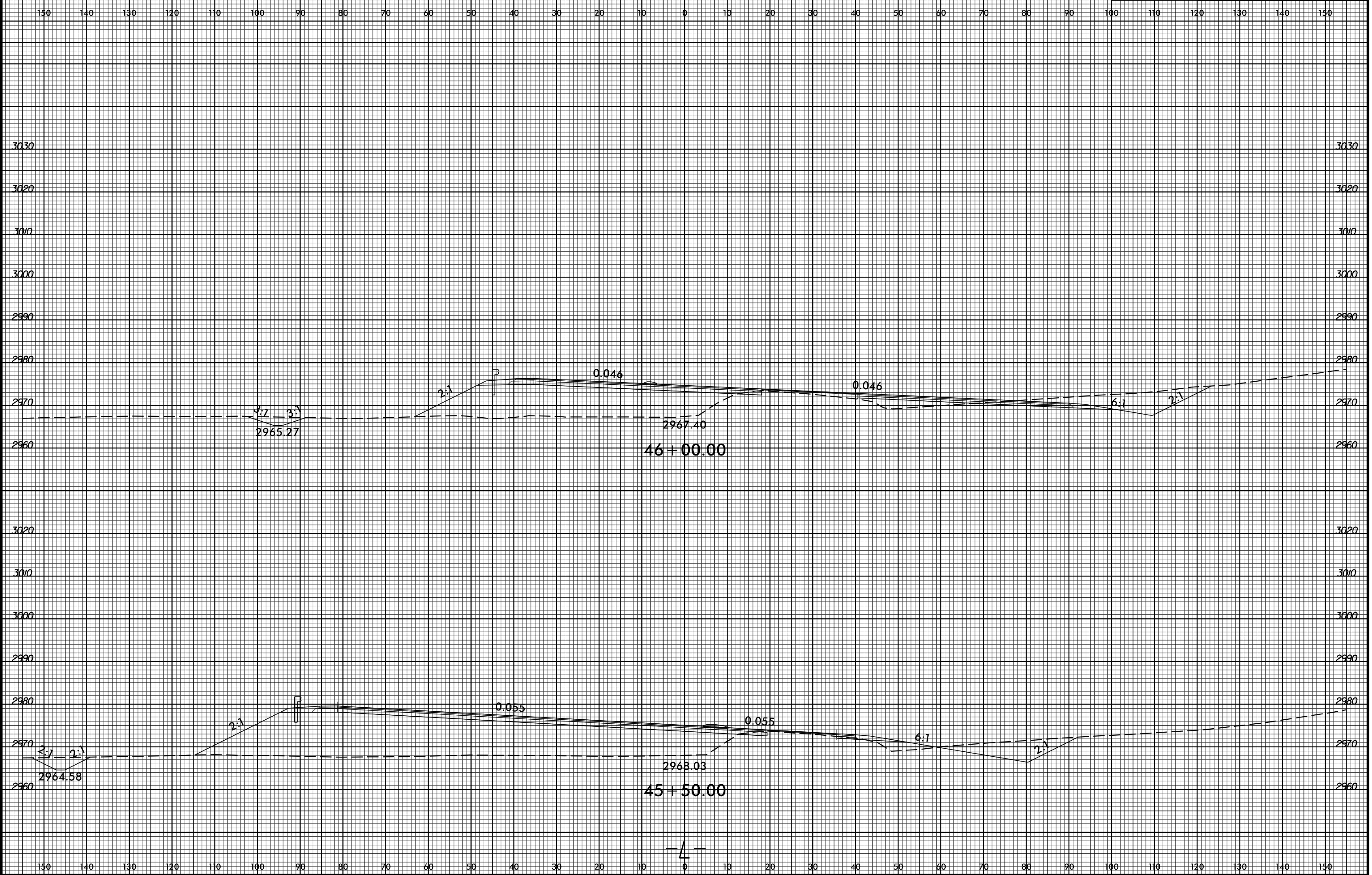


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-67



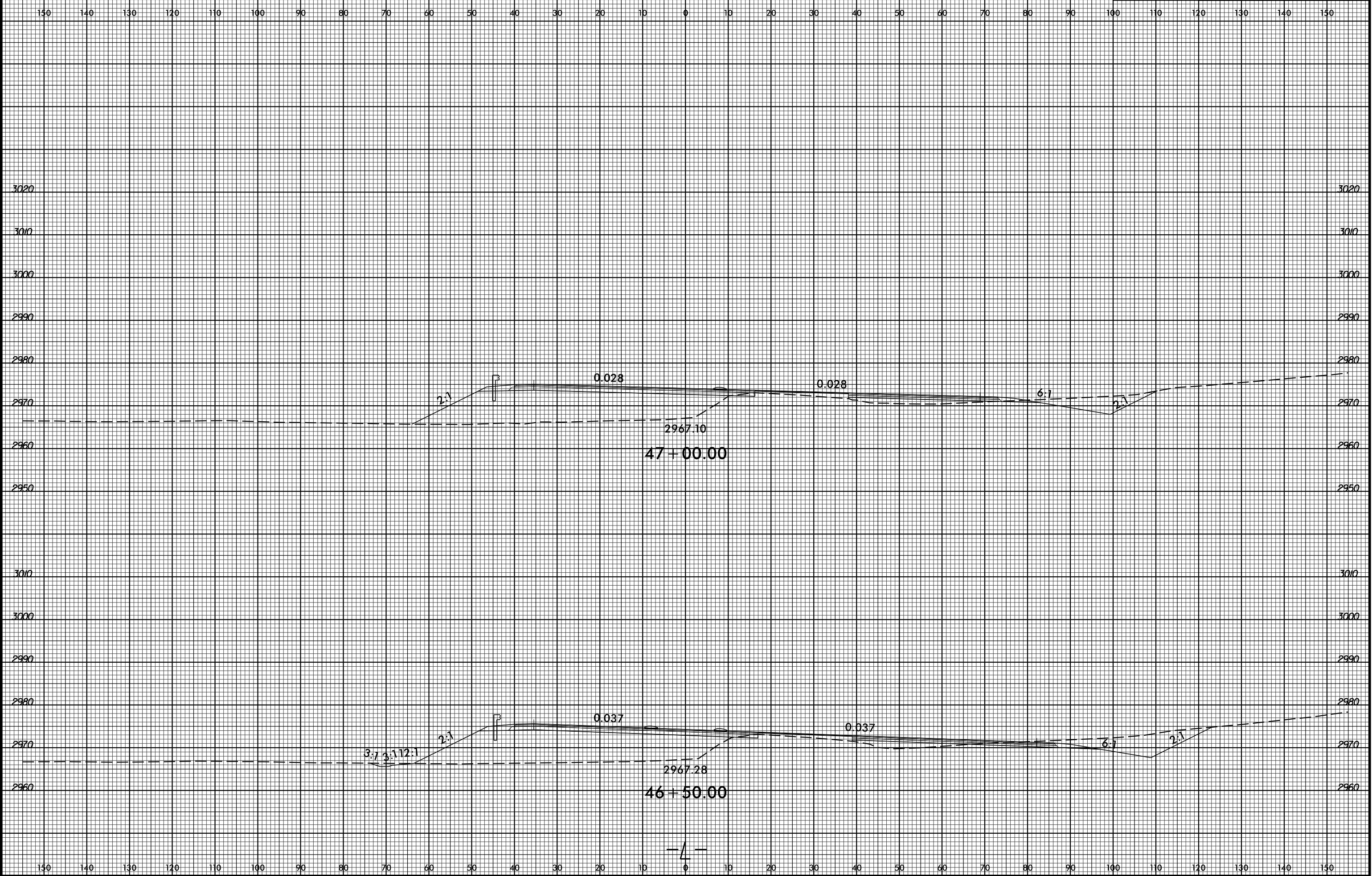
SYSTEMS  
DESIGN  
INC.

8/23/99



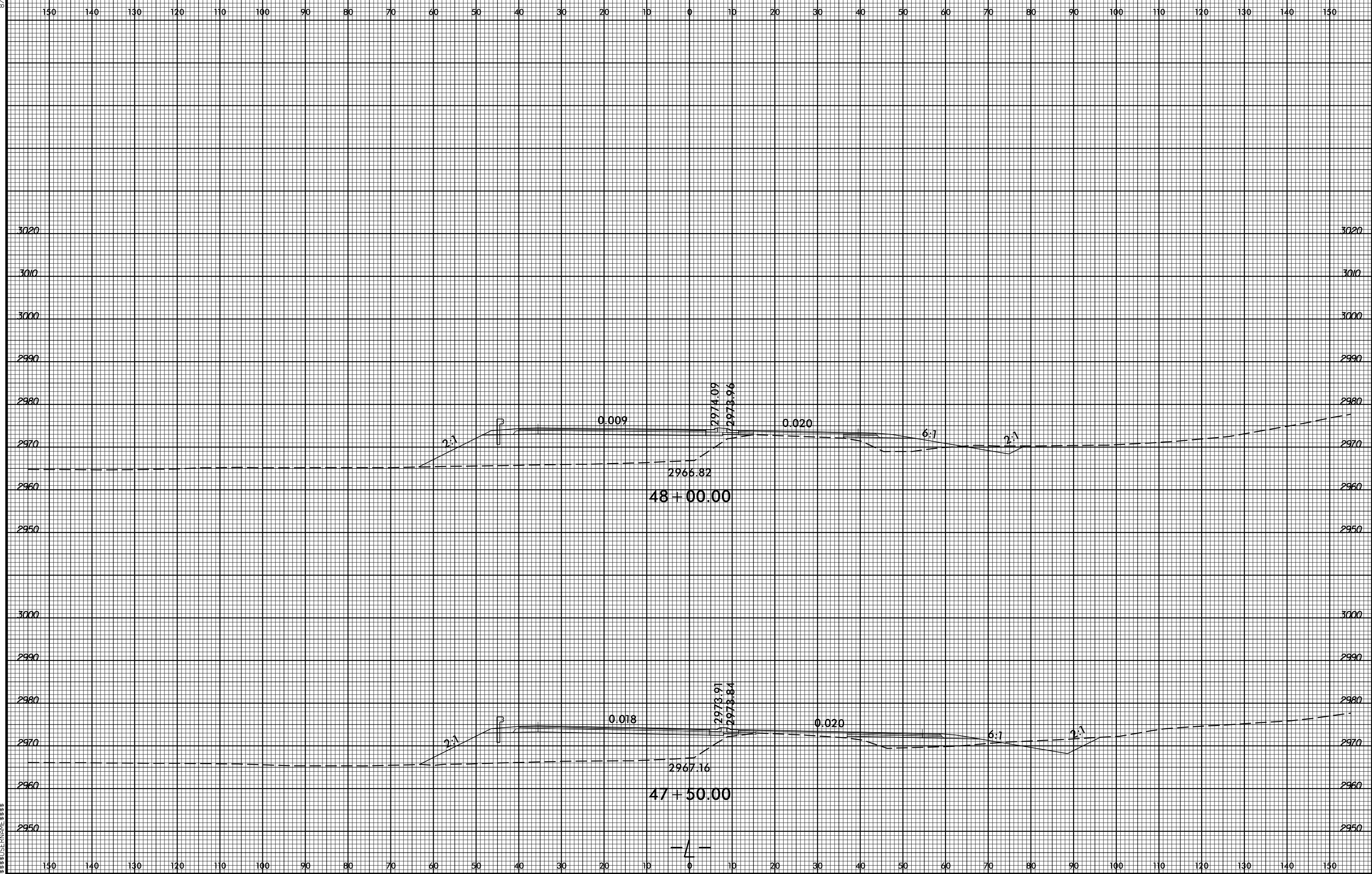
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R-2915A

SHEET NO.  
X-68



SYSTEMS  
SERVICES  
INC.

8/23/99



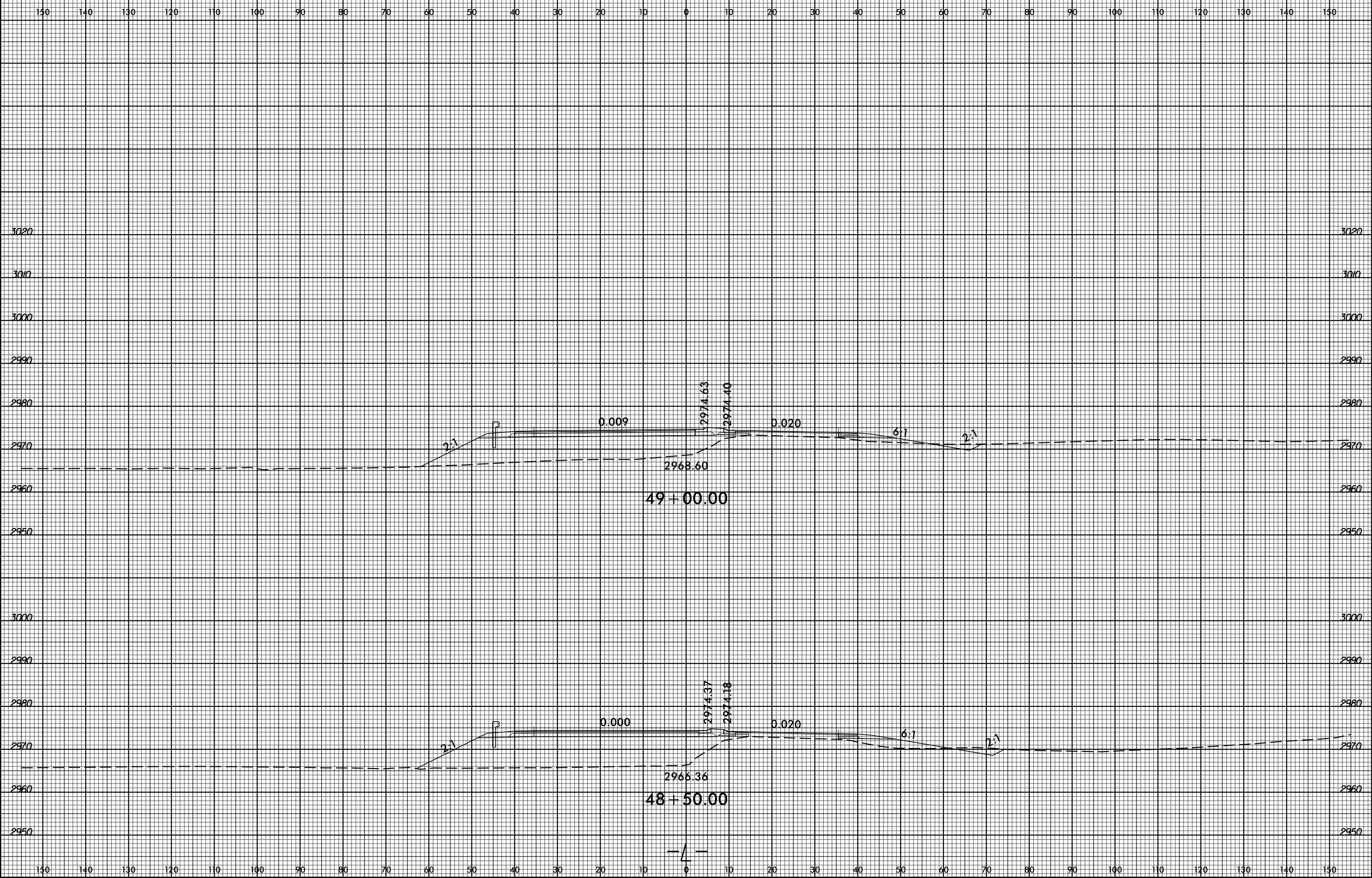
SYSTEMS  
DESIGN  
CONSULTANTS  
INCORPORATED

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PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-70



SYSTEMS  
 CONSULTANTS  
 INC.











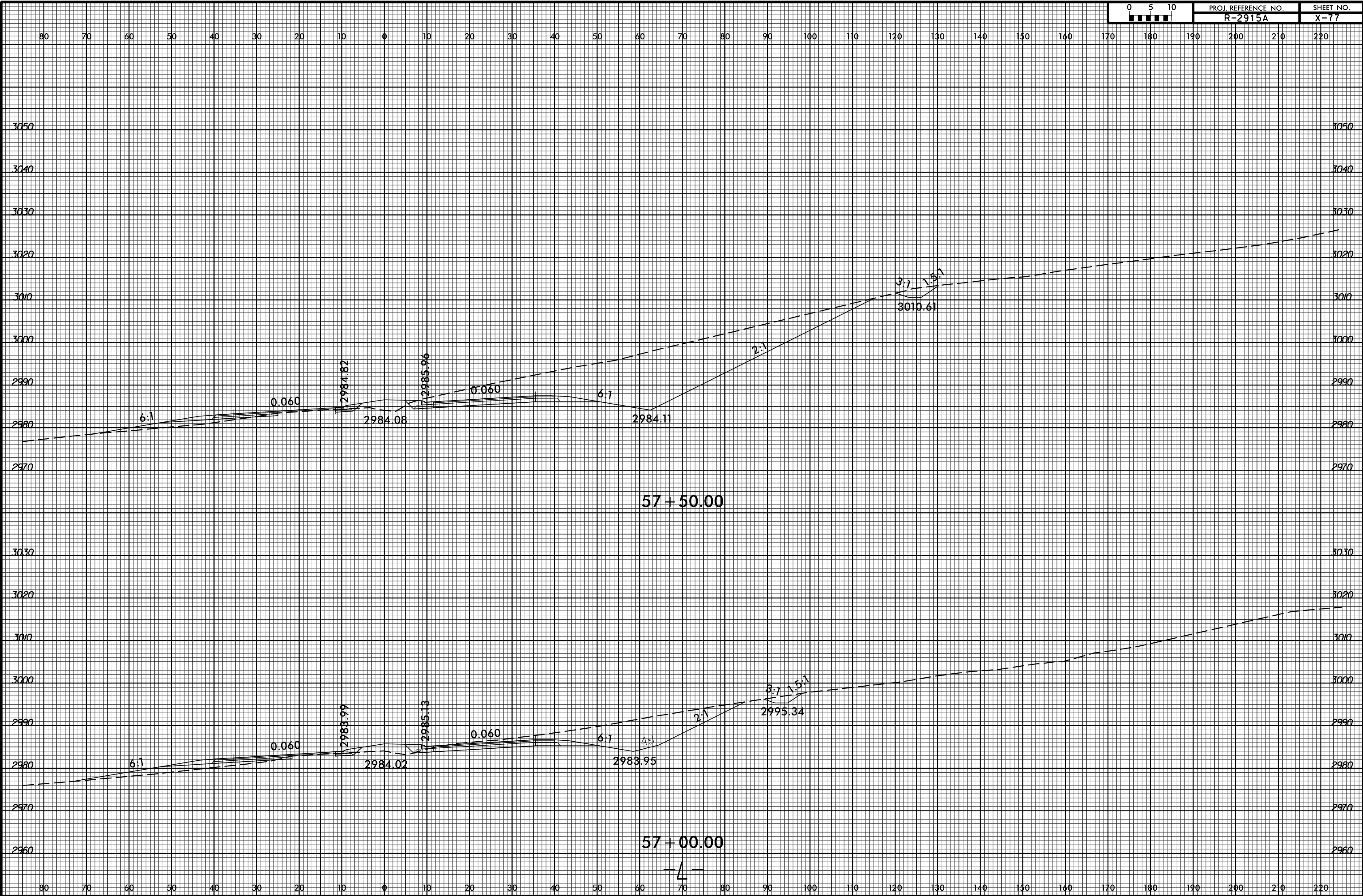




8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-77



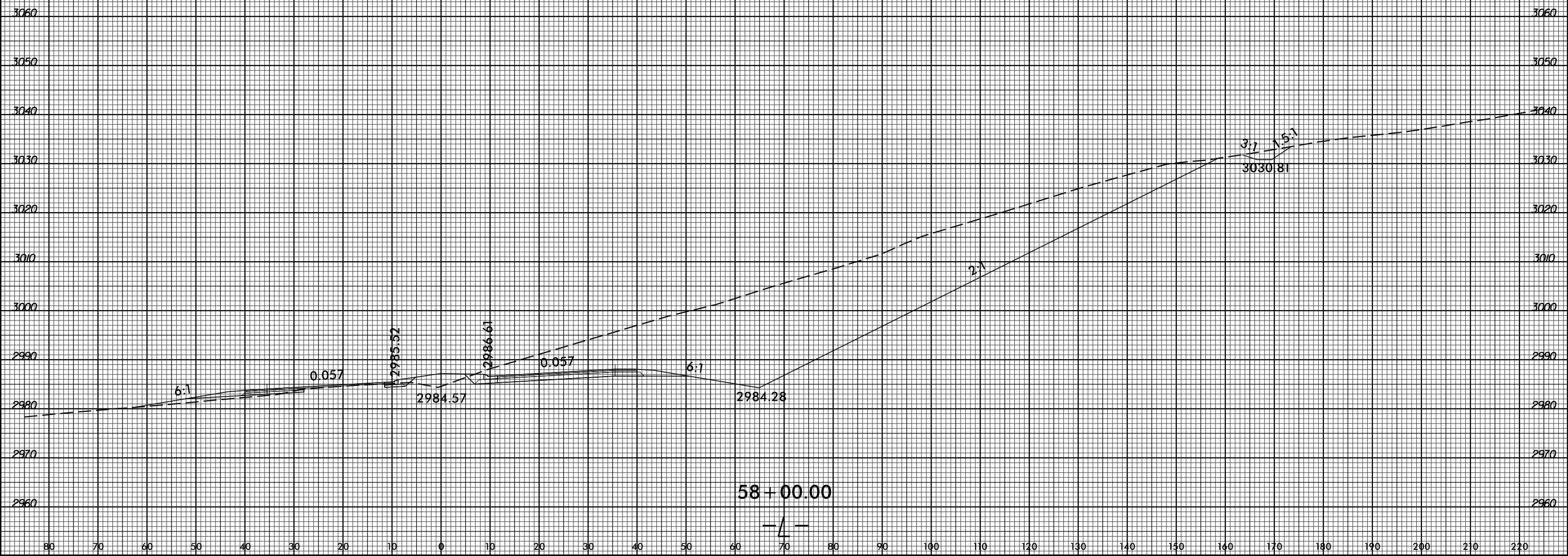
SYSTEMS

8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-78

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SYSTEMS  
SERVICES  
CONSULTANTS

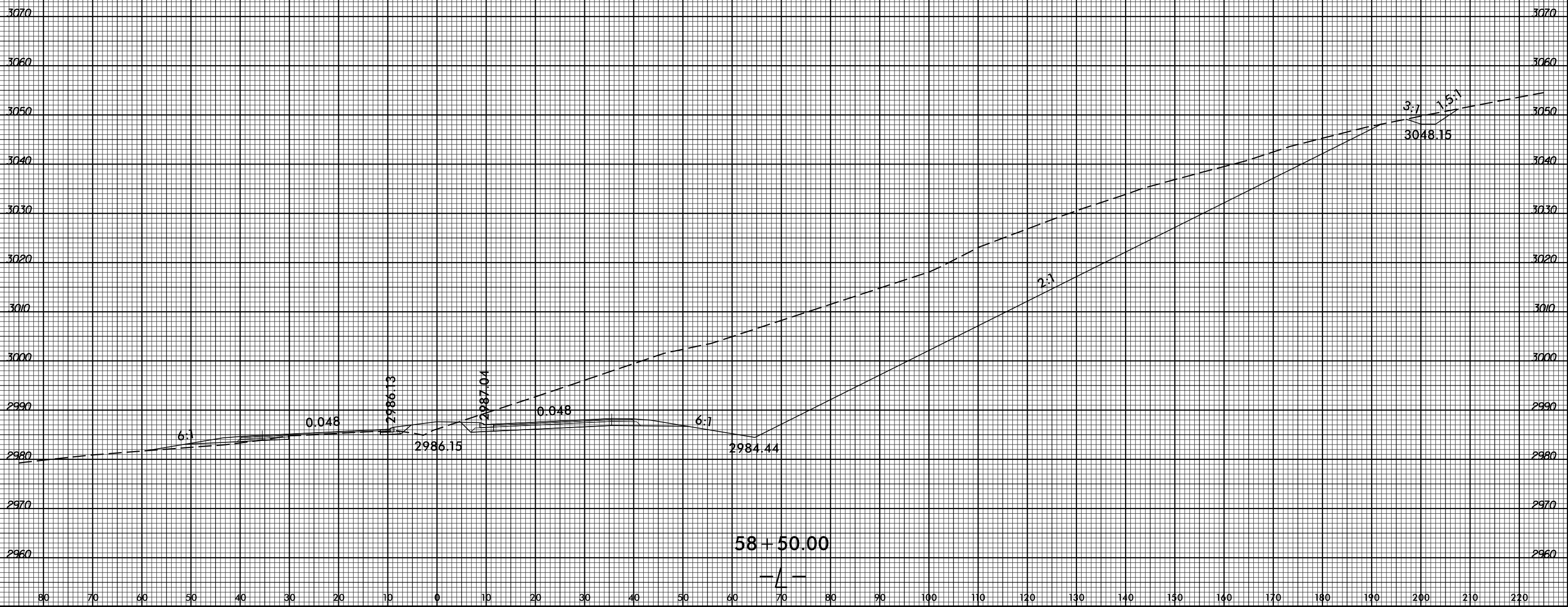
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-79

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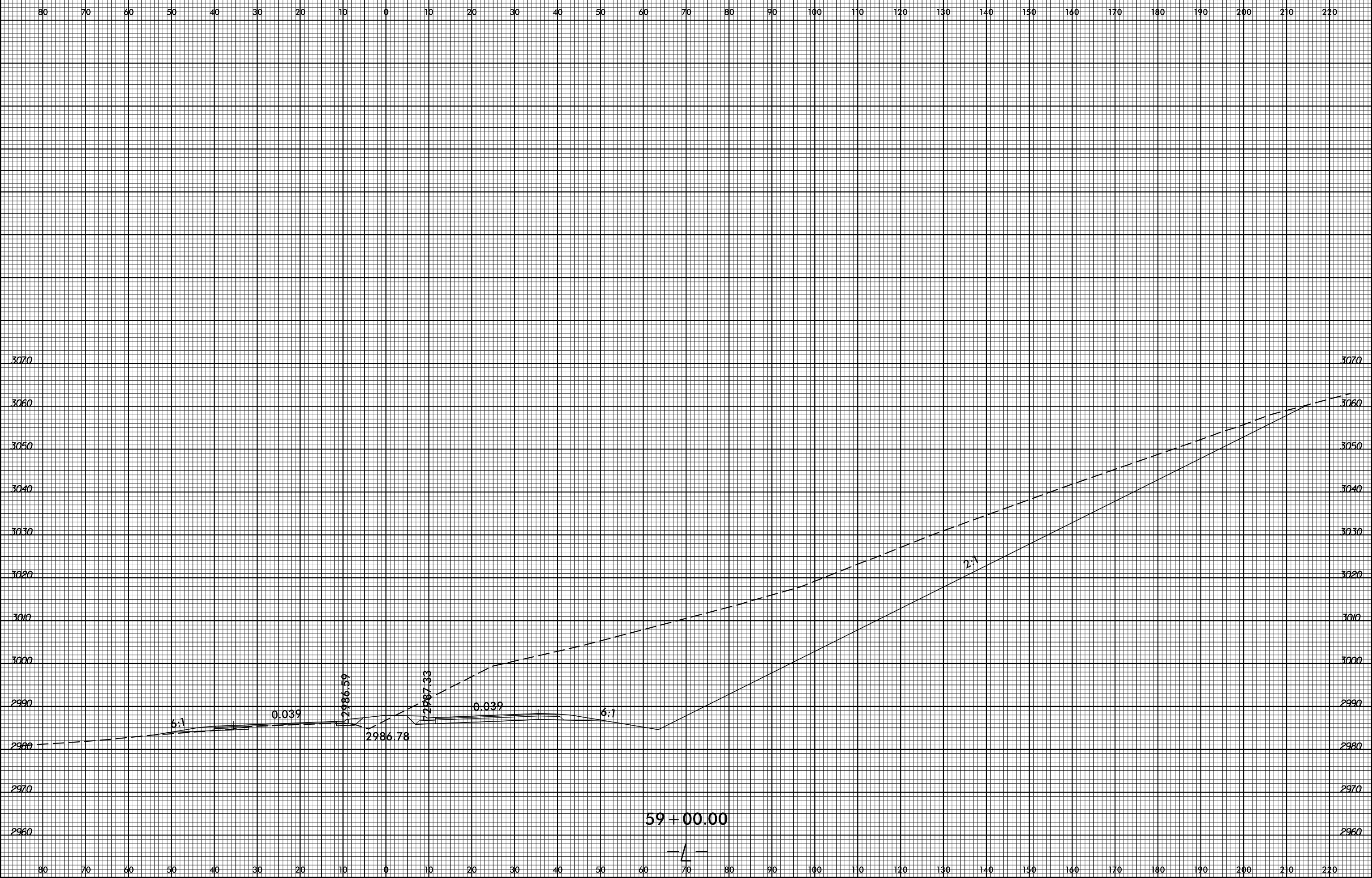


SYSTEMS  
SERVICES  
CONSULTANTS

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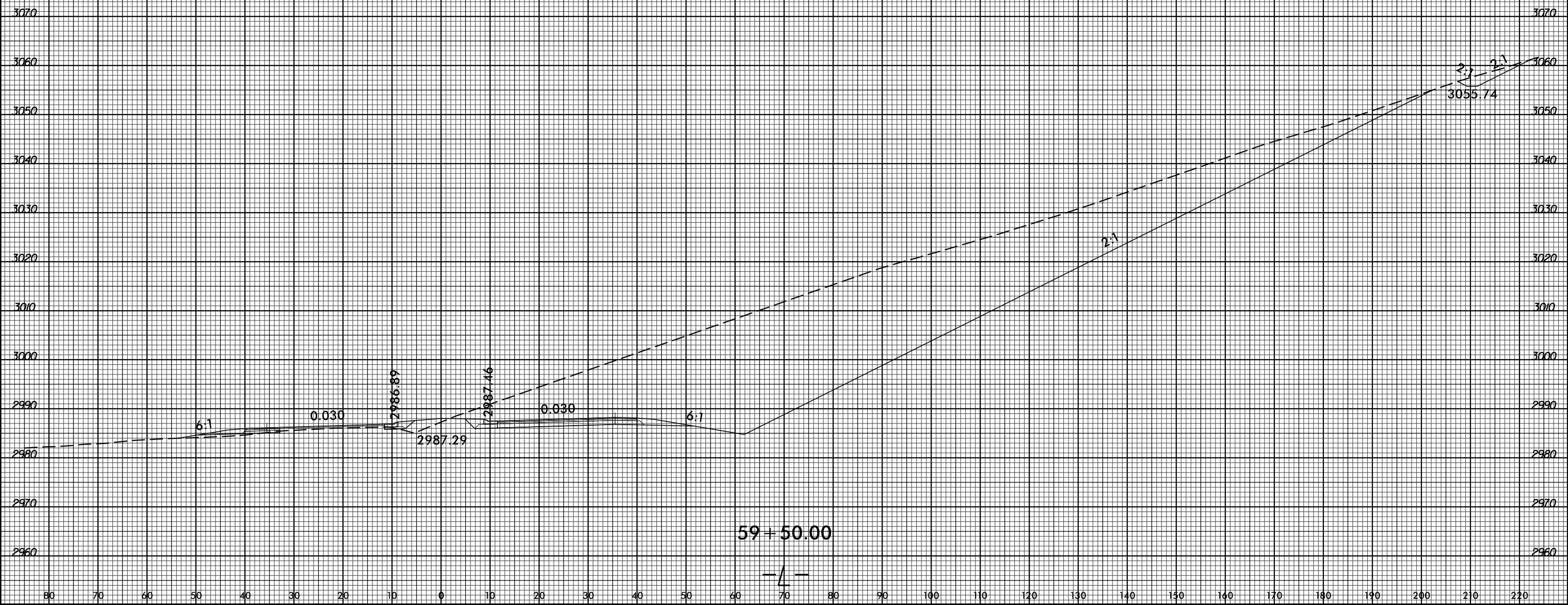
PROJ. REFERENCE NO. R-2915A	SHEET NO. X-80
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SYSTEMS  
DESIGN  
CONSULTANTS  
INC.



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SYSTEMS  
CONSULTANTS  
INCORPORATED  
10000  
SUNNYVALE  
CALIFORNIA  
94035  
TEL: (415) 947-9000  
FAX: (415) 947-9001  
WWW.SUNNYVALECONSULTANTS.COM

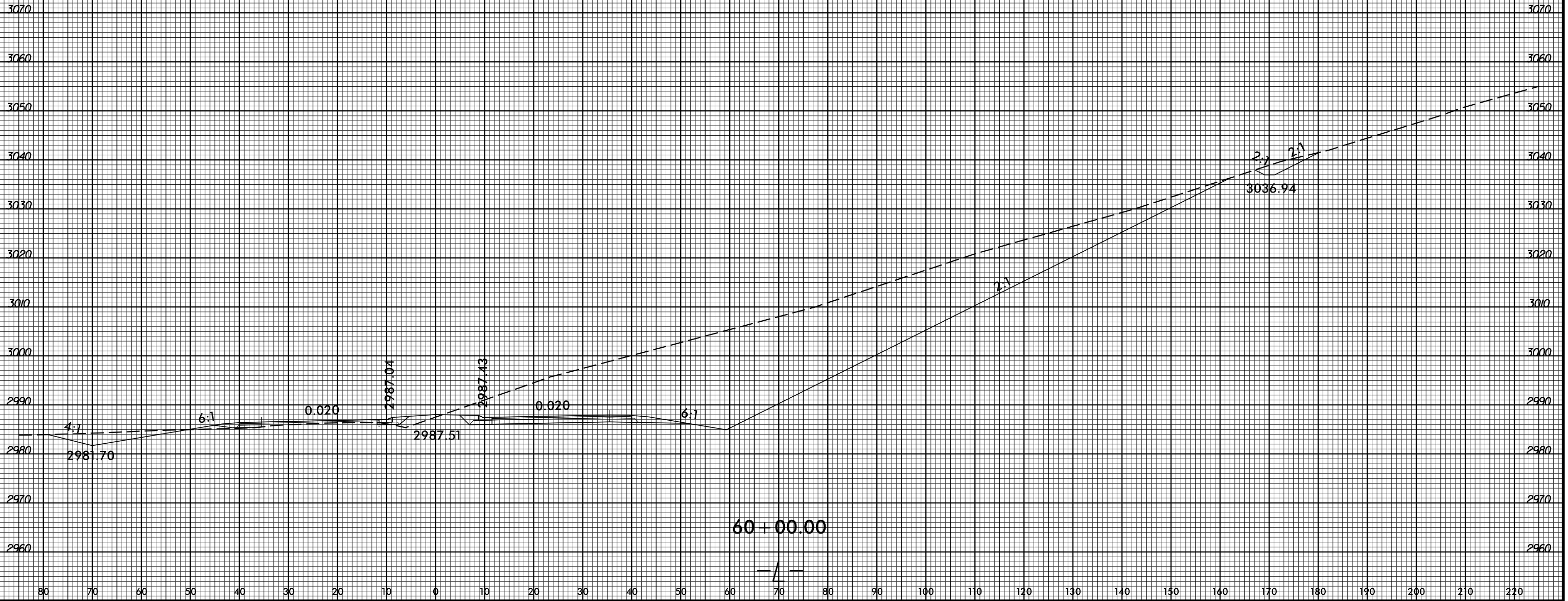
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-82

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SYSTEMS  
DESIGN  
INC.



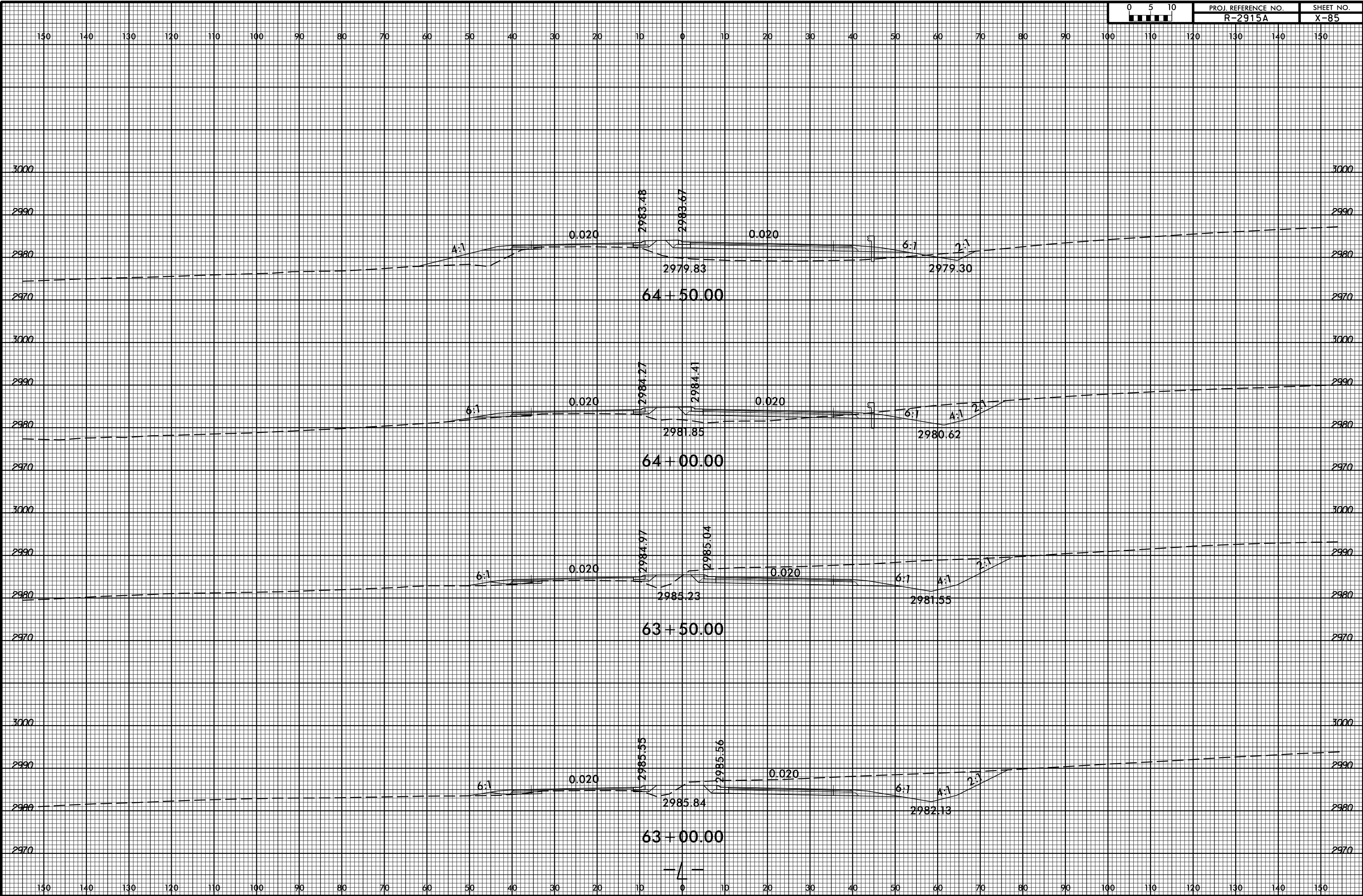




8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-85



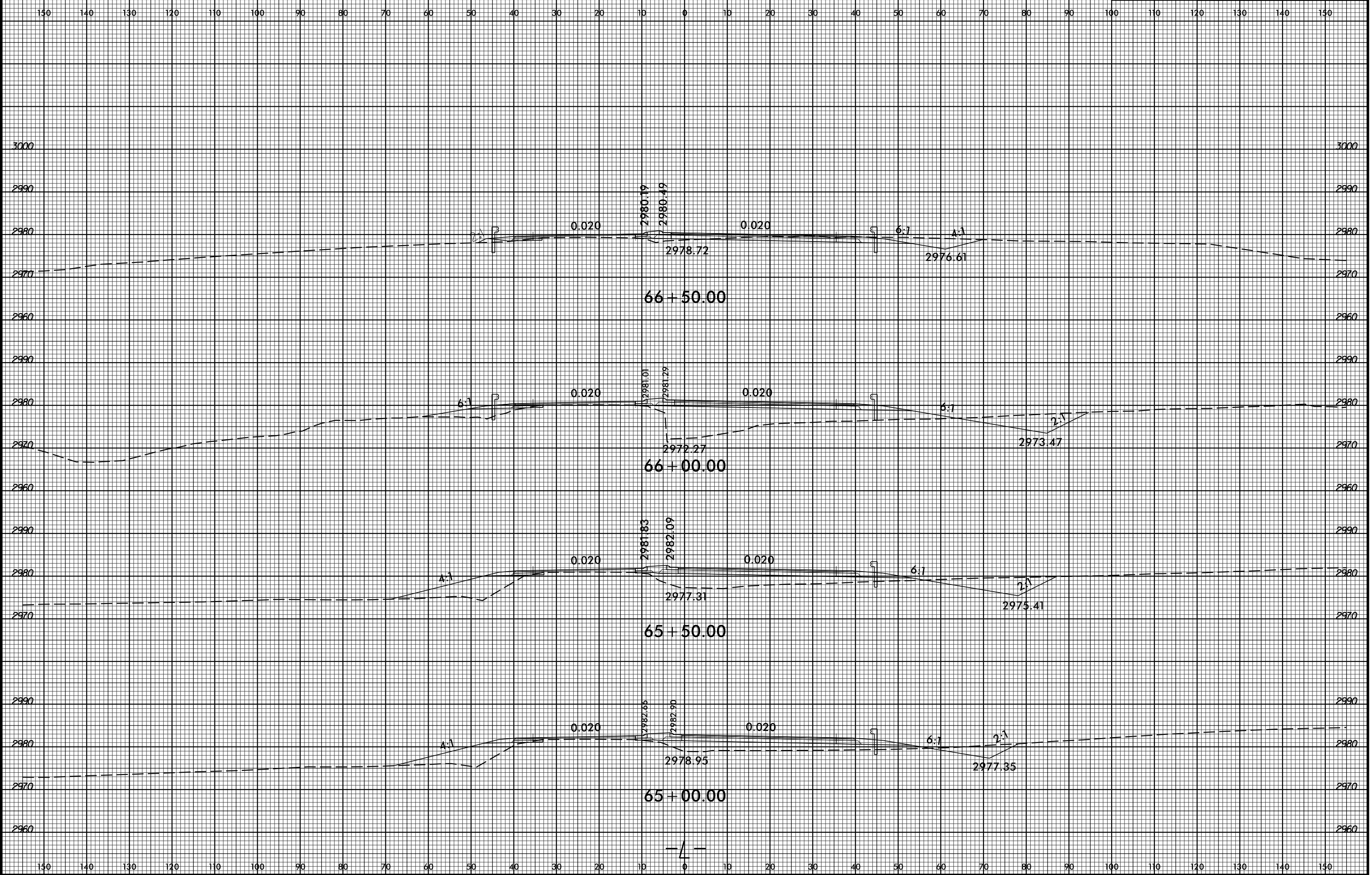
SYSTEMS

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PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-86



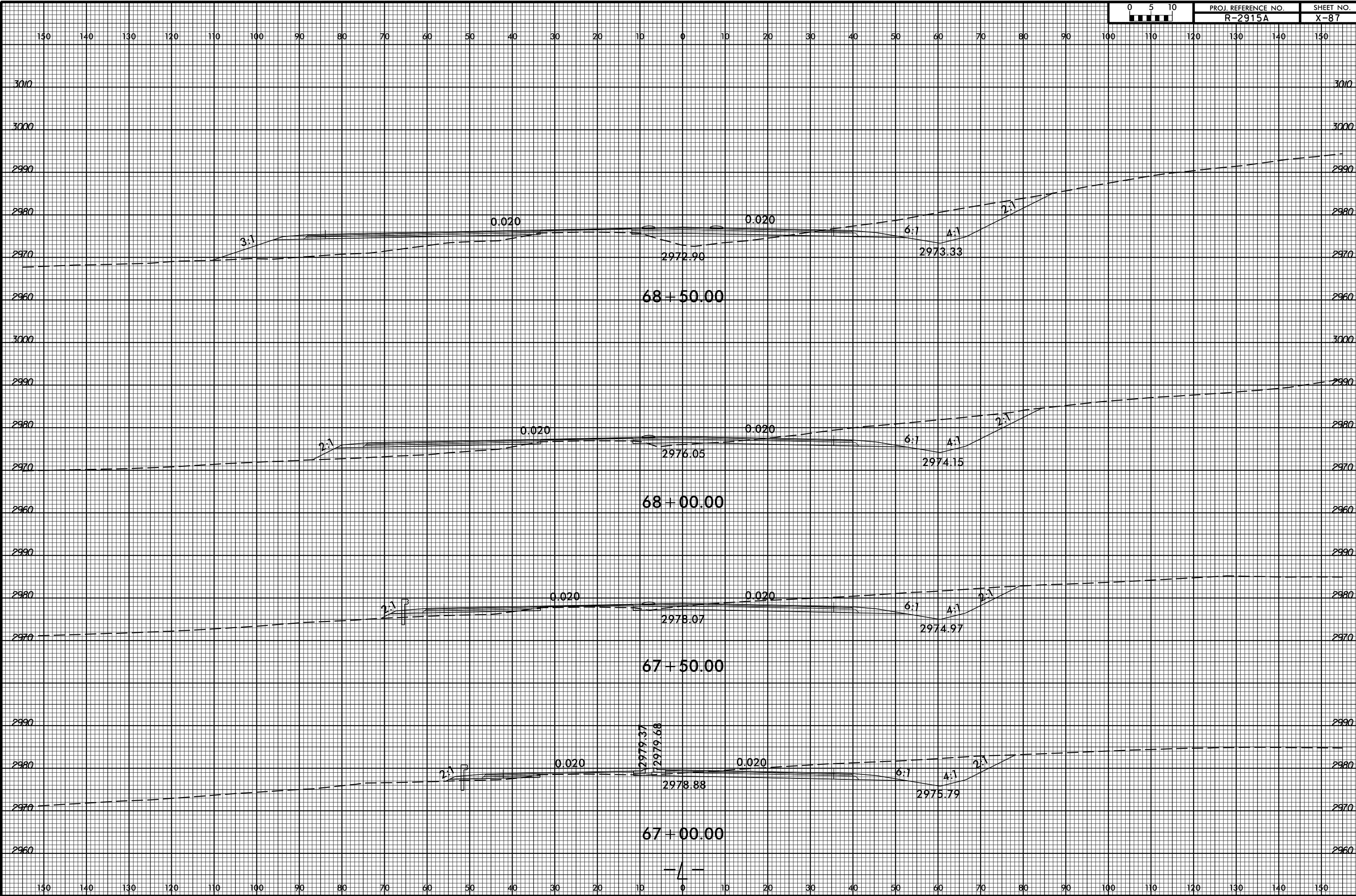
SYSTEMS  
SERVICES  
INCORPORATED

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PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-87



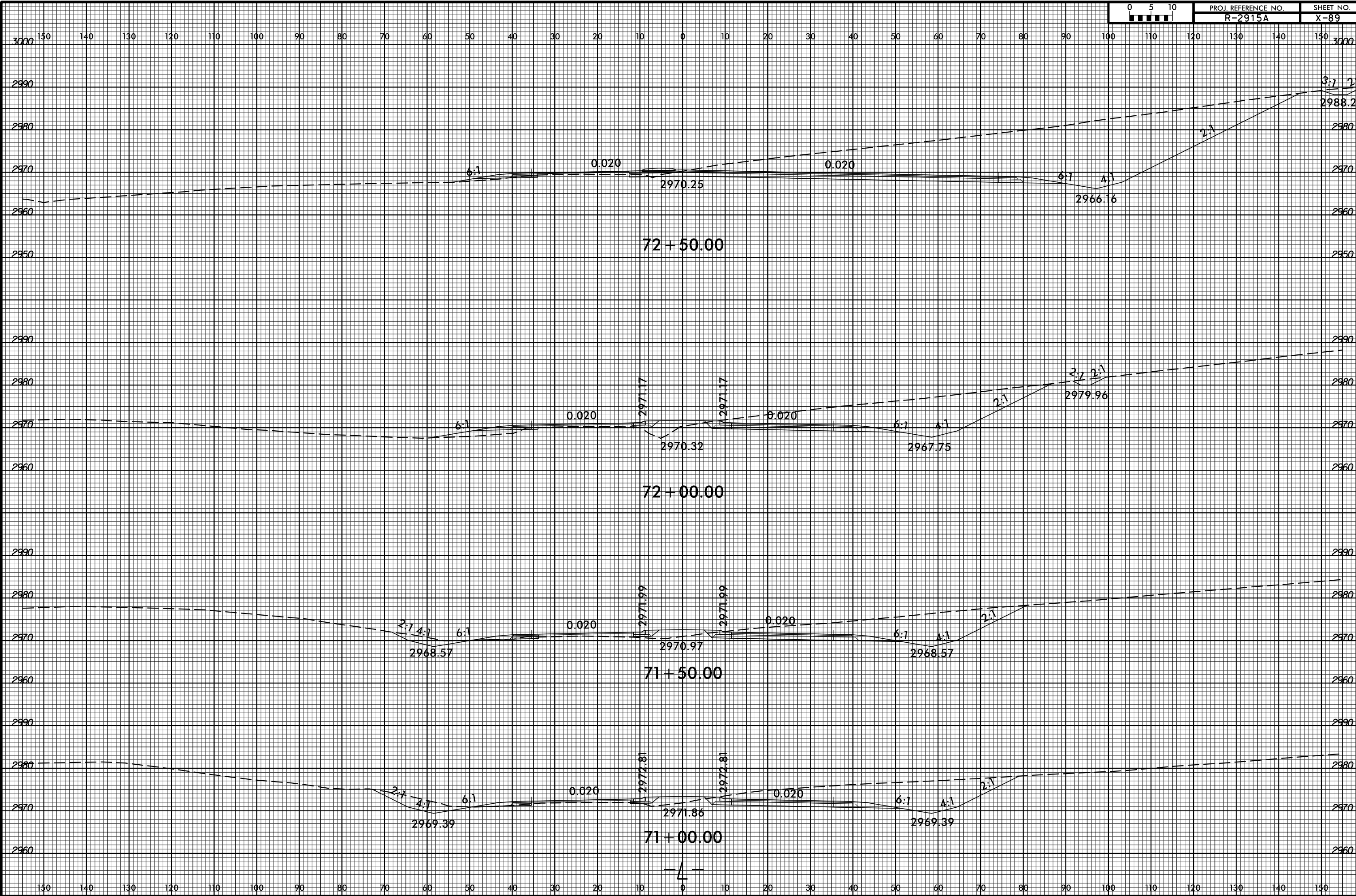
SYSTEMS  
SERVICES  
CORPORATION



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-89

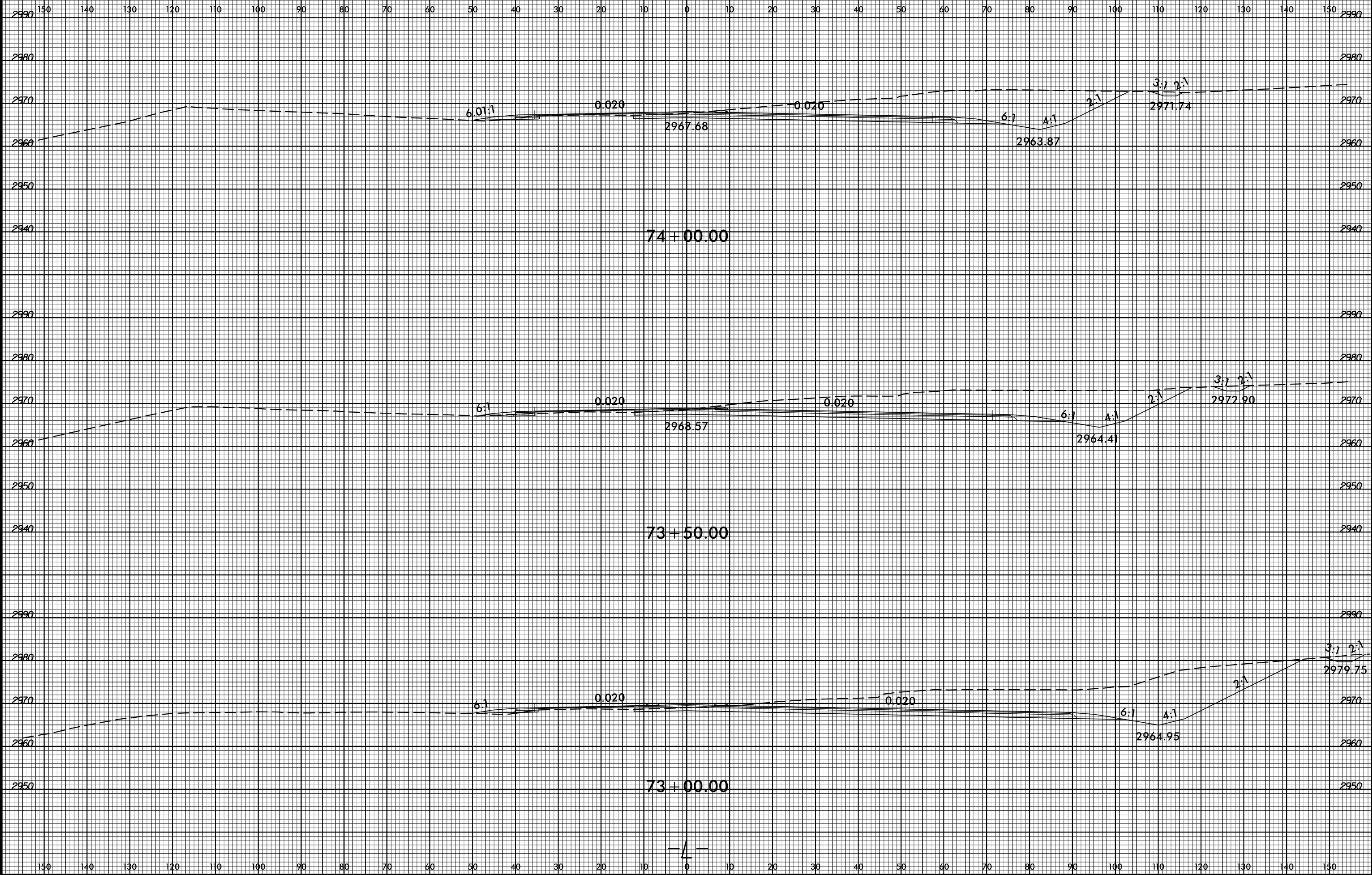


SYSTEMS  
DESIGN  
INC.

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PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-90



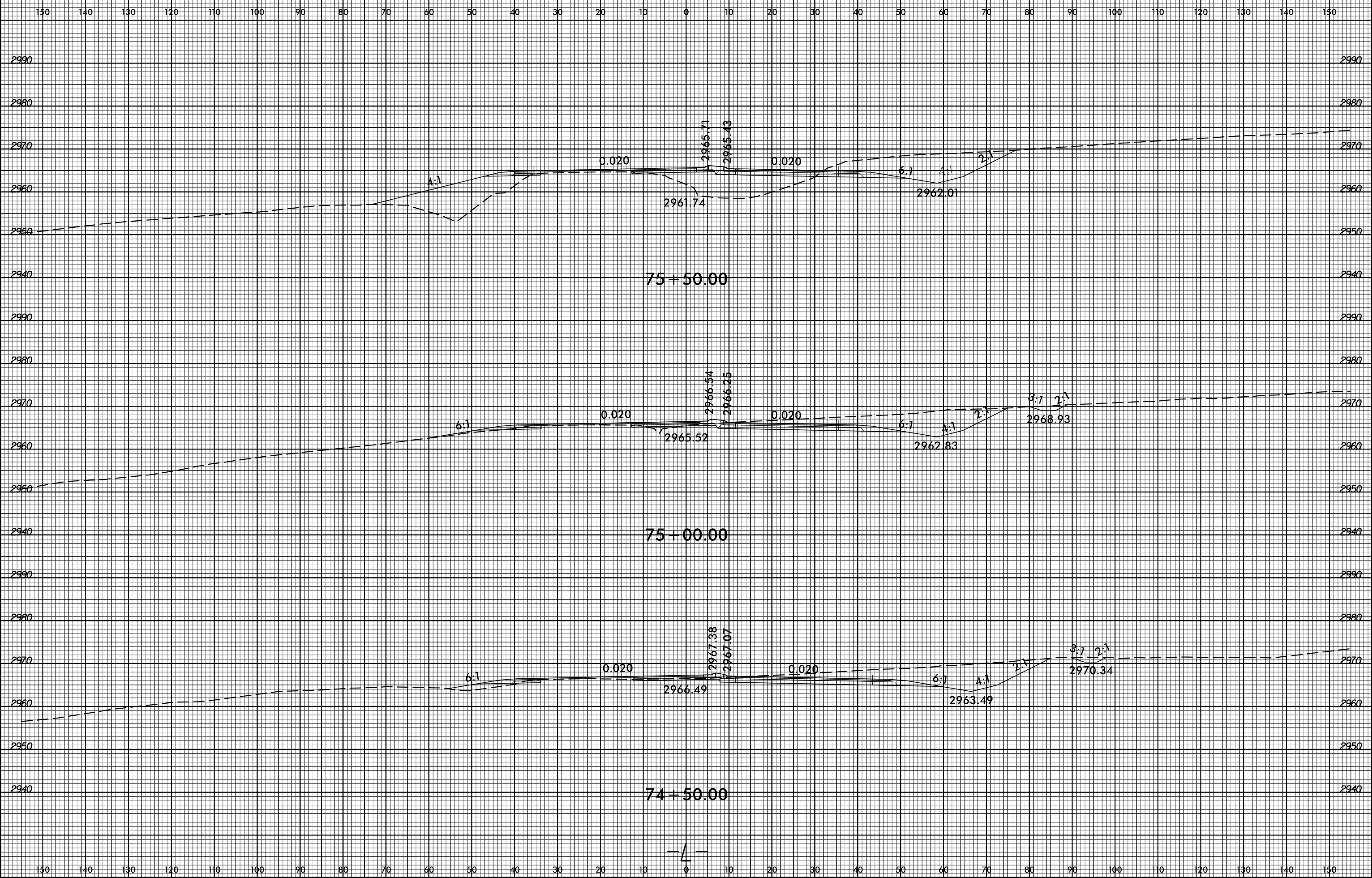
SYSTEMS  
 DESIGN  
 GROUP  
 INC.  
 1000  
 W. 10th  
 ST.  
 SUITE 100  
 DENVER, CO 80202  
 TEL: 303.733.8800  
 FAX: 303.733.8801  
 WWW.SDGI.COM



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PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-91

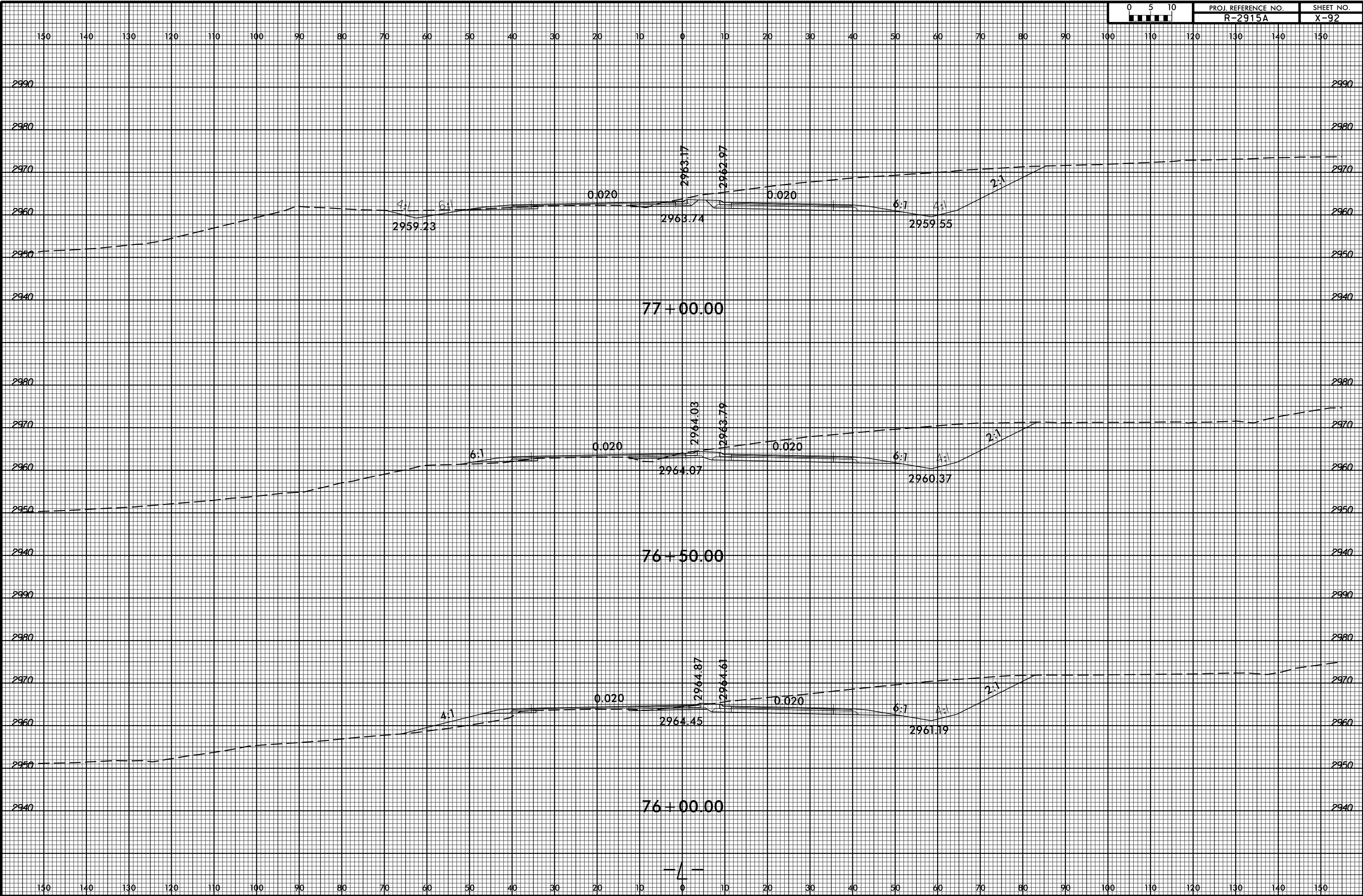


SYSTEMS  
 CONSULTANTS  
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PROJ. REFERENCE NO. R-2915A SHEET NO. X-92

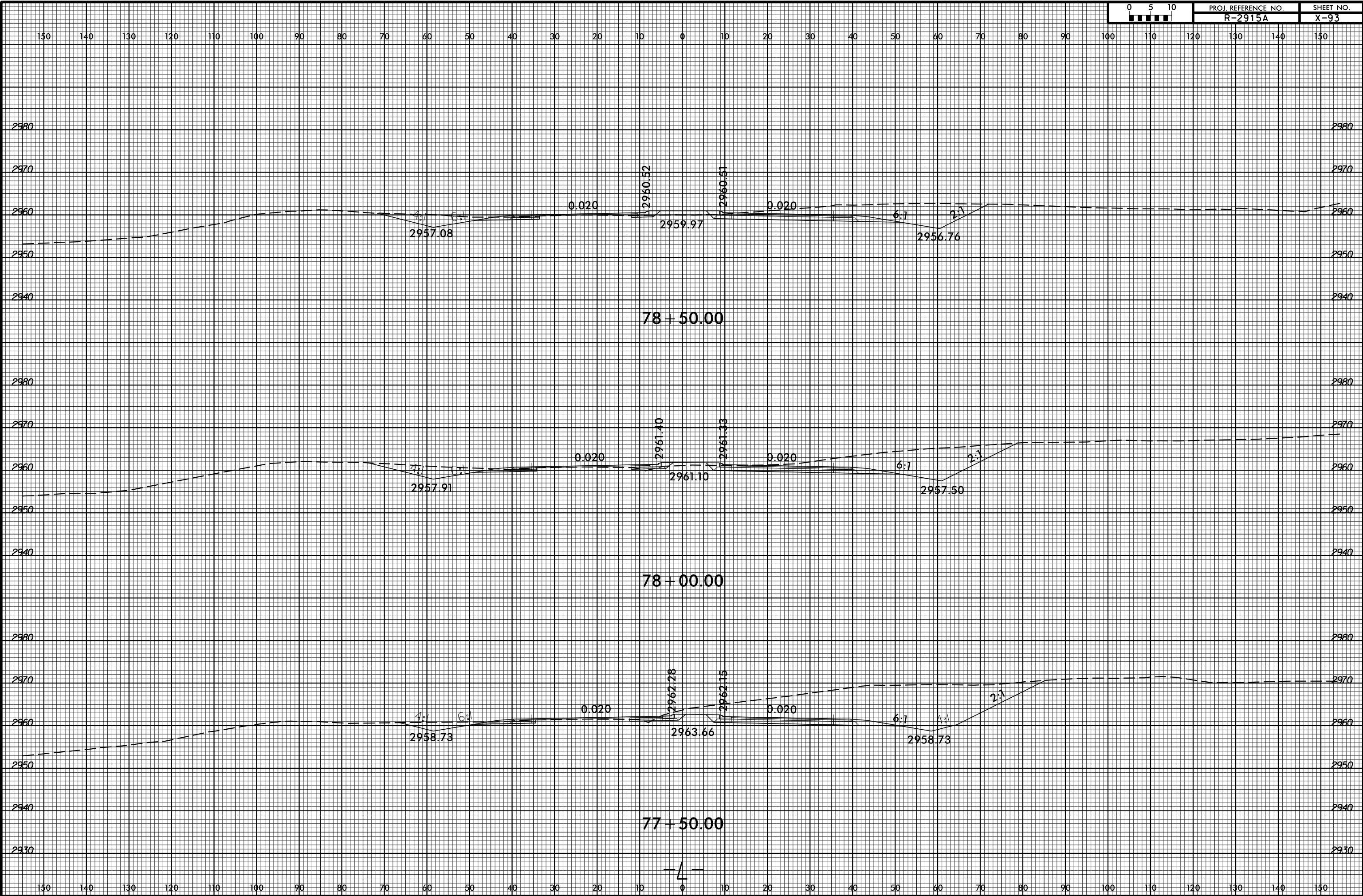


SYSTEMS  
SERVICES  
INCORPORATED

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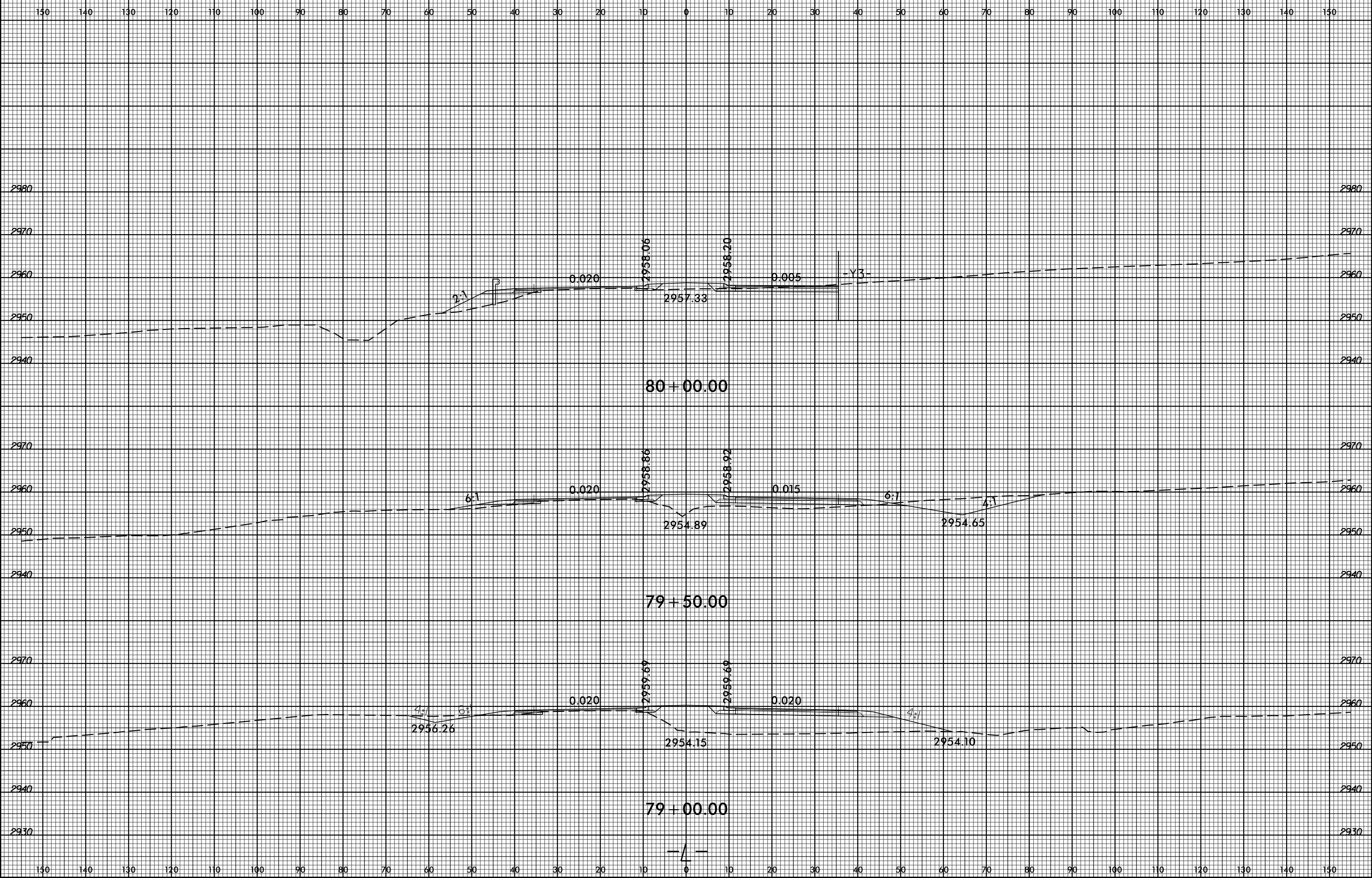


PROJ. REFERENCE NO. R-2915A SHEET NO. X-93



SYSTEMS  
SERVICES  
INCORPORATED

8/23/99



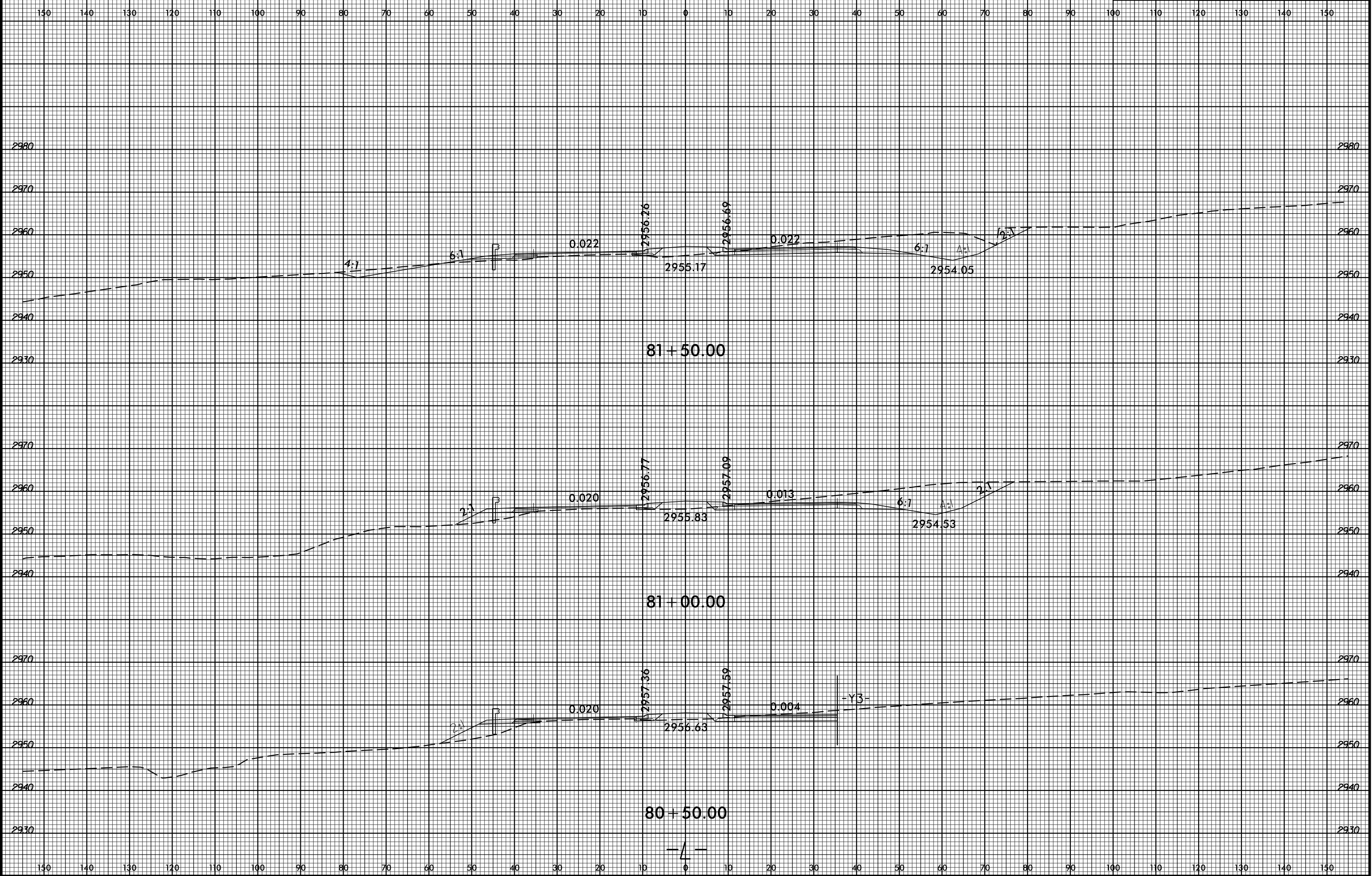
SYSTEMS  
SERVICES  
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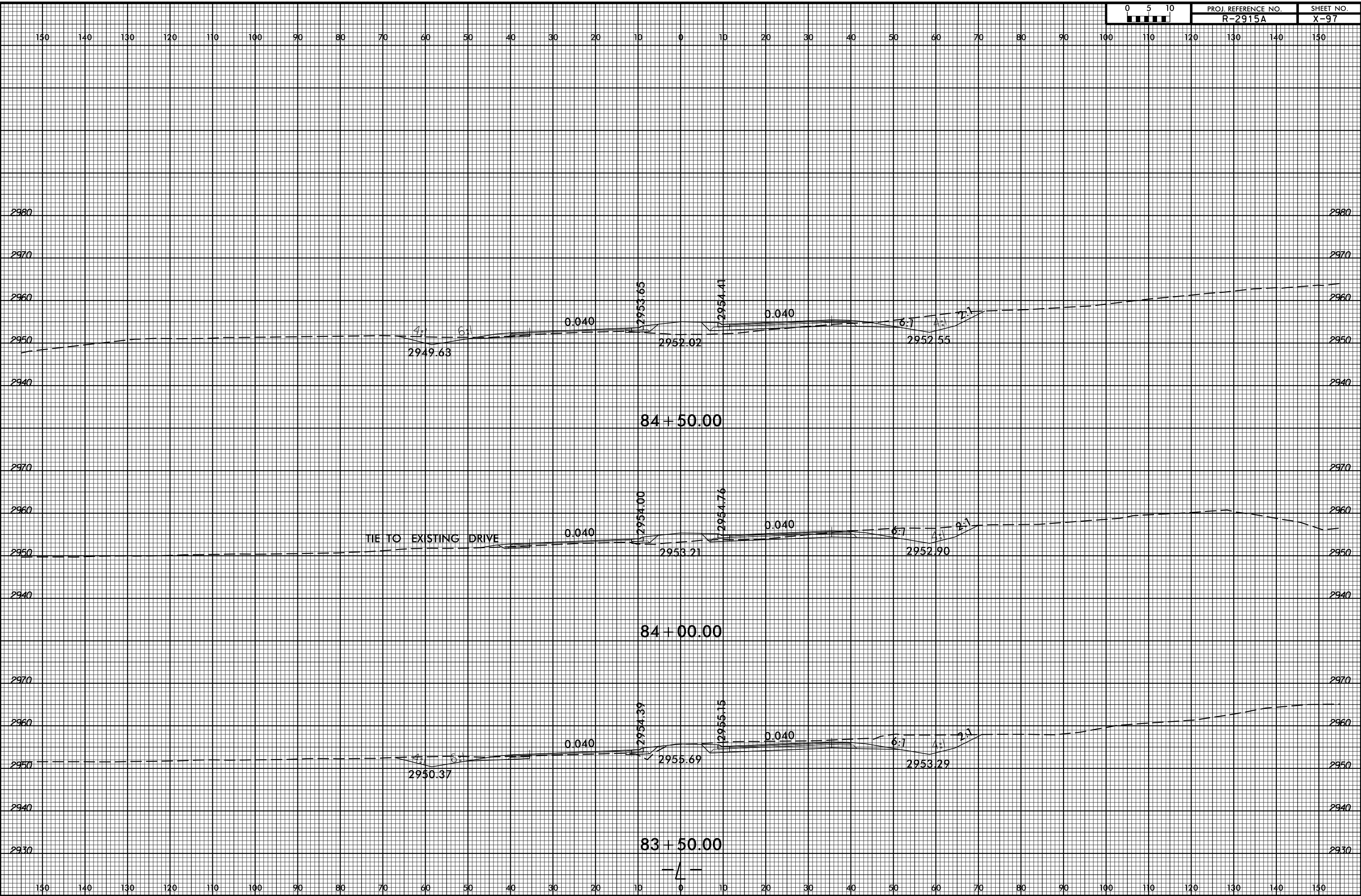
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R-2915A

SHEET NO.  
X-95



SYSTEMS  
SERVICES  
CORPORATION



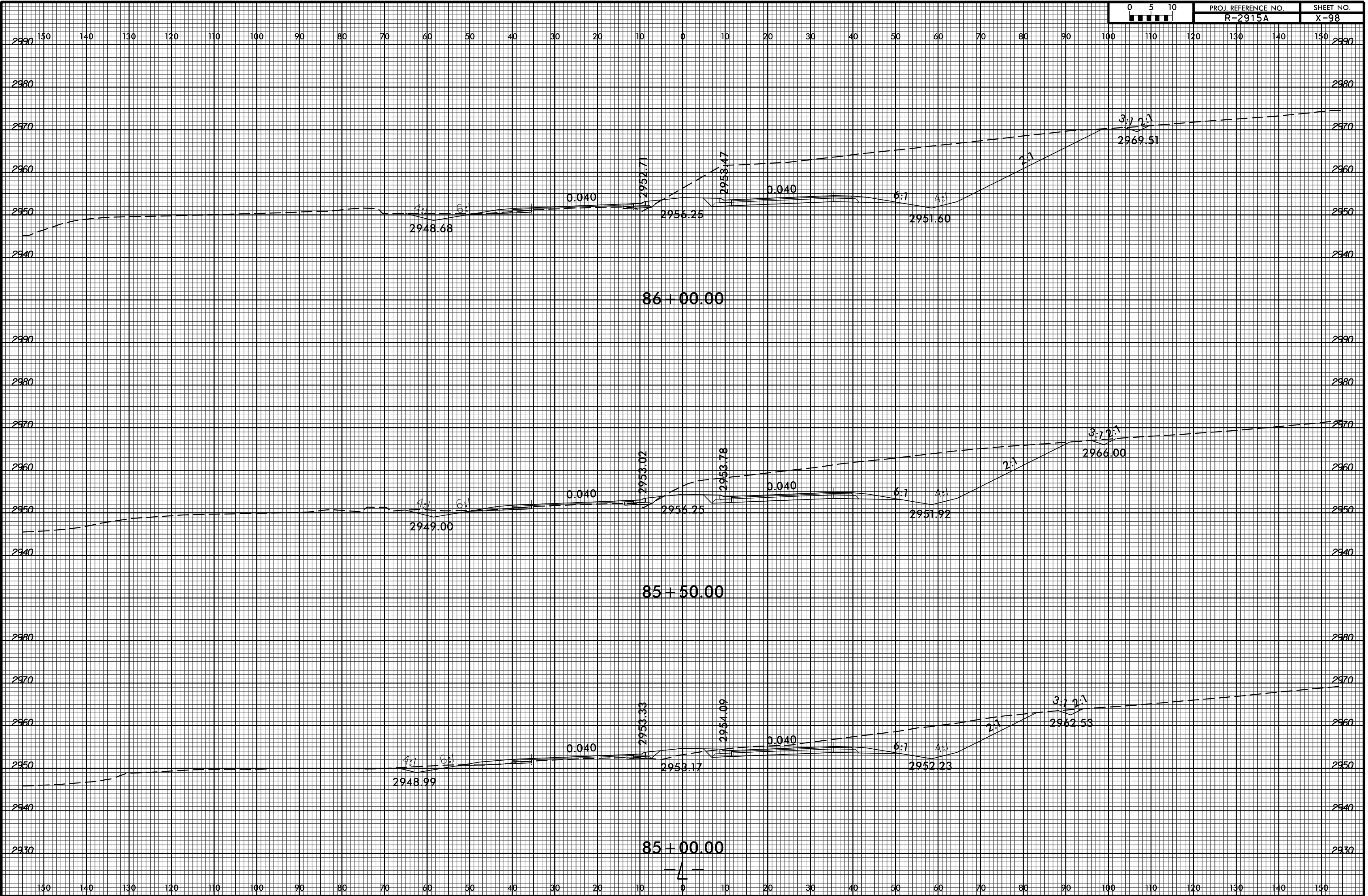


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-98



SYSTEMS  
SERVICES  
CORPORATION

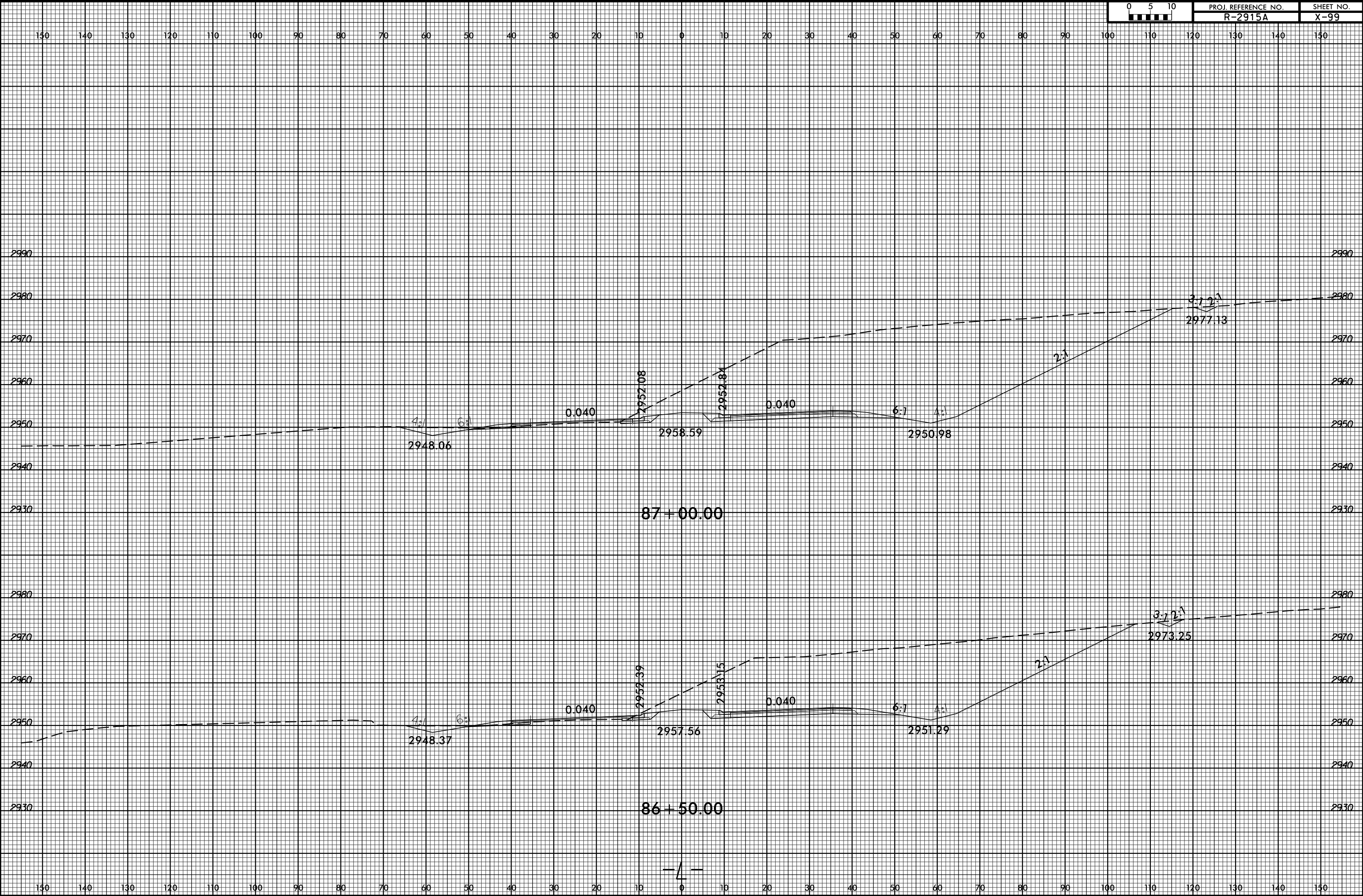


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-99



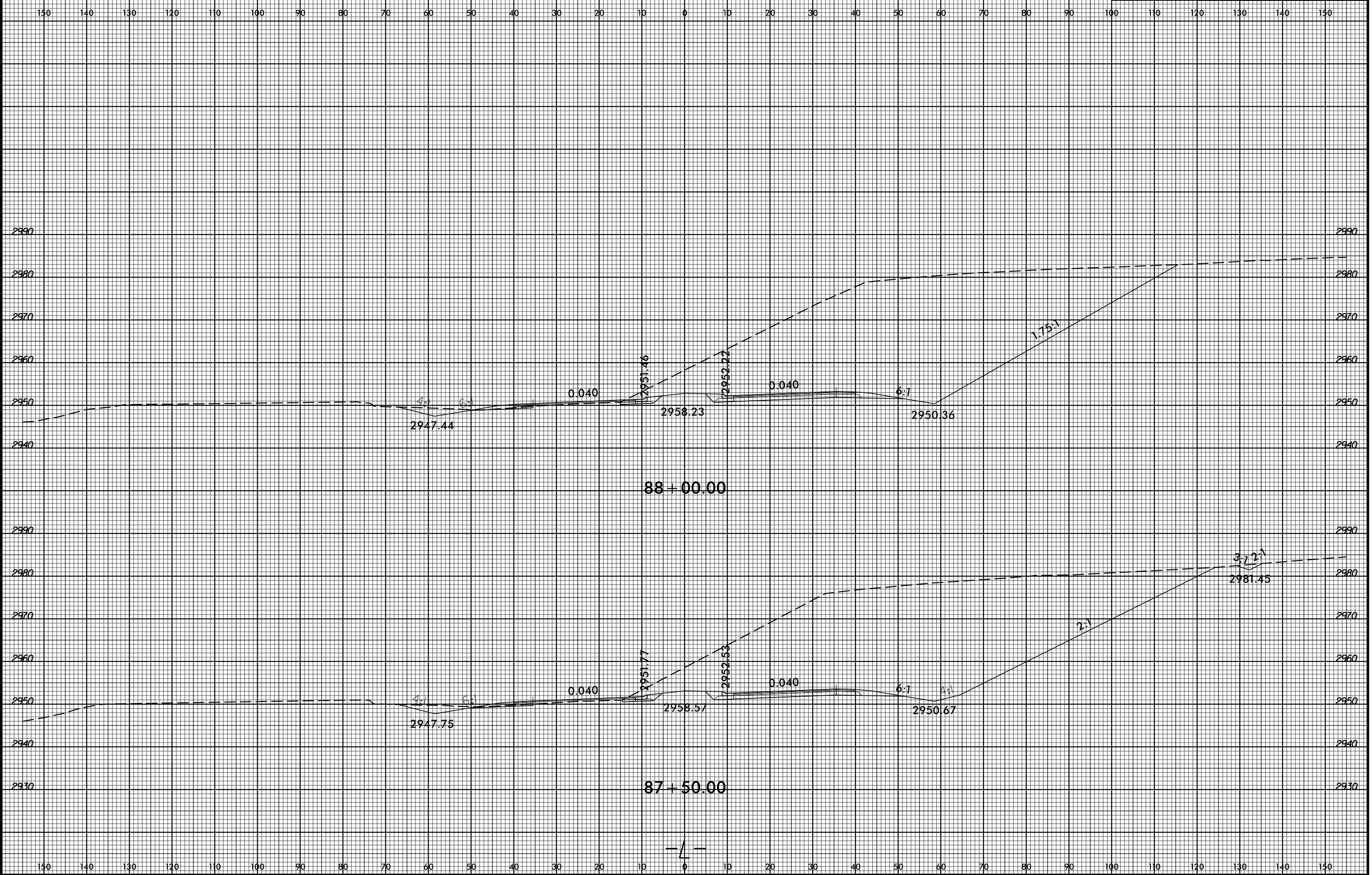
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TIME: 10:00 AM  
BY: J. W. [unreadable]  
CHECKED: [unreadable]

8/23/99



PROJ. REFERENCE NO.  
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SHEET NO.  
X-100



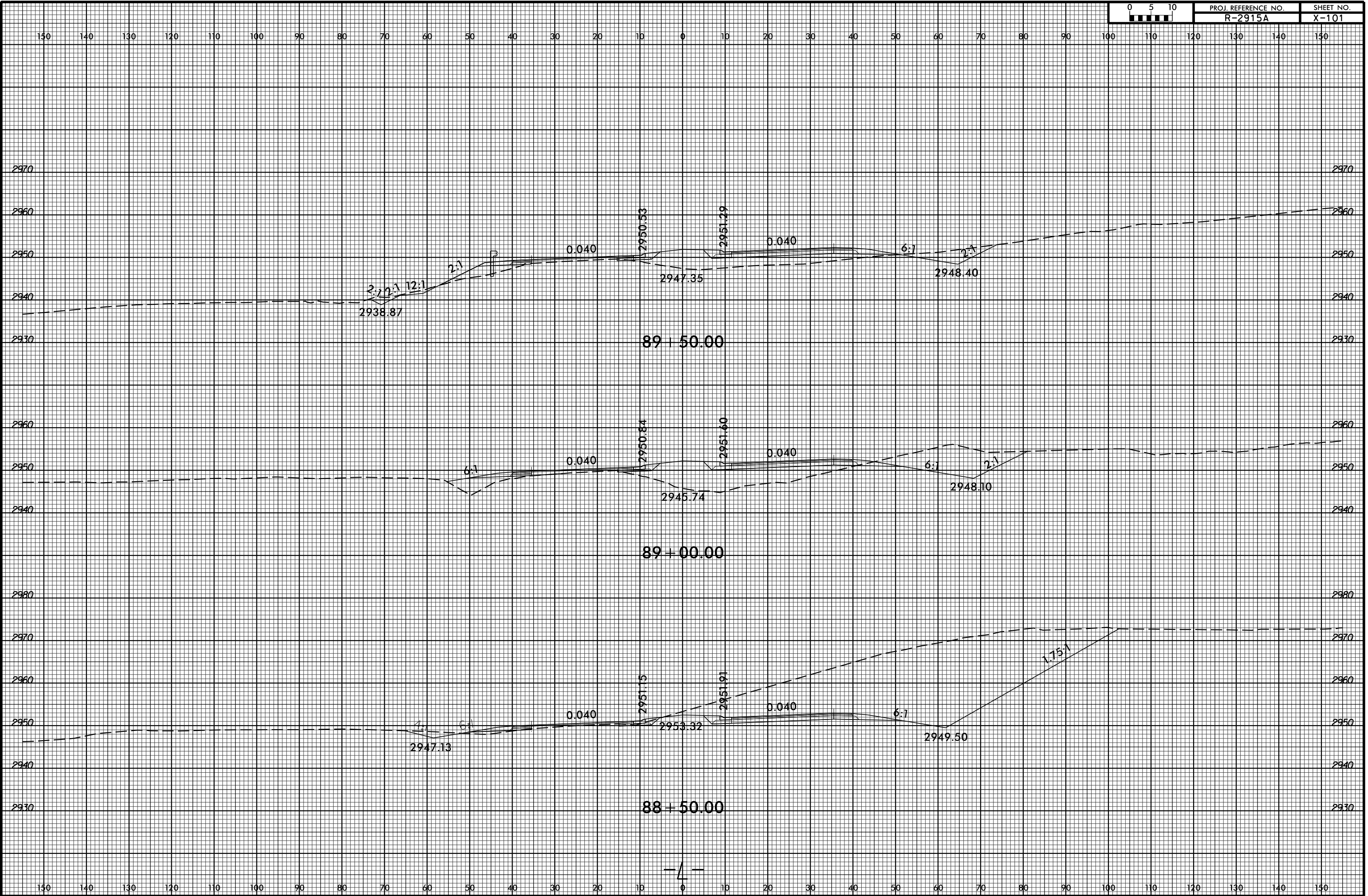
SYSTEMS  
DESIGN  
CONSULTANTS

8/23/99



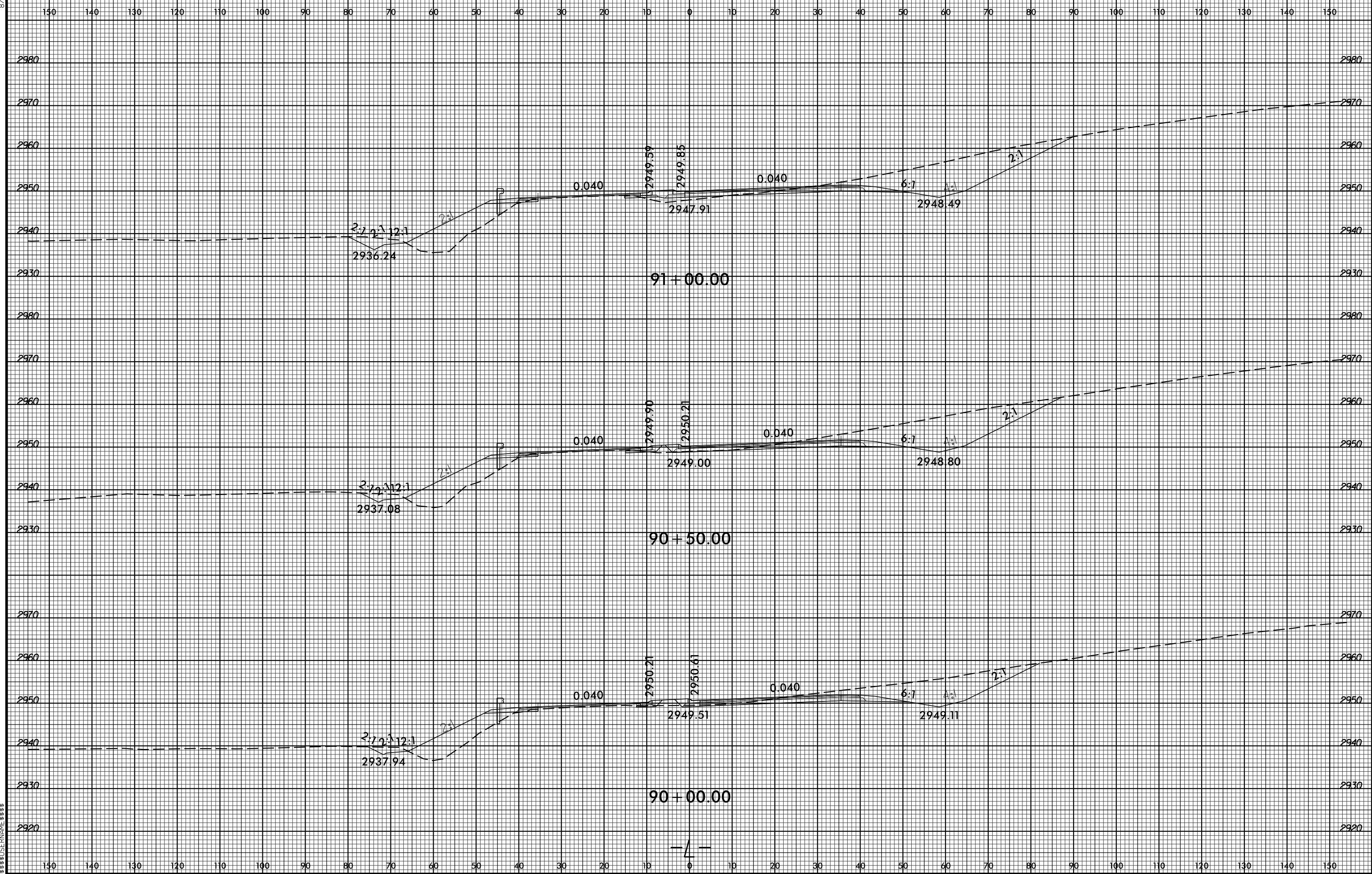
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R-2915A

SHEET NO.  
X-101



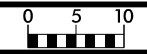
SYSTEMS  
SERVICES  
CONSULTANTS

8/23/99

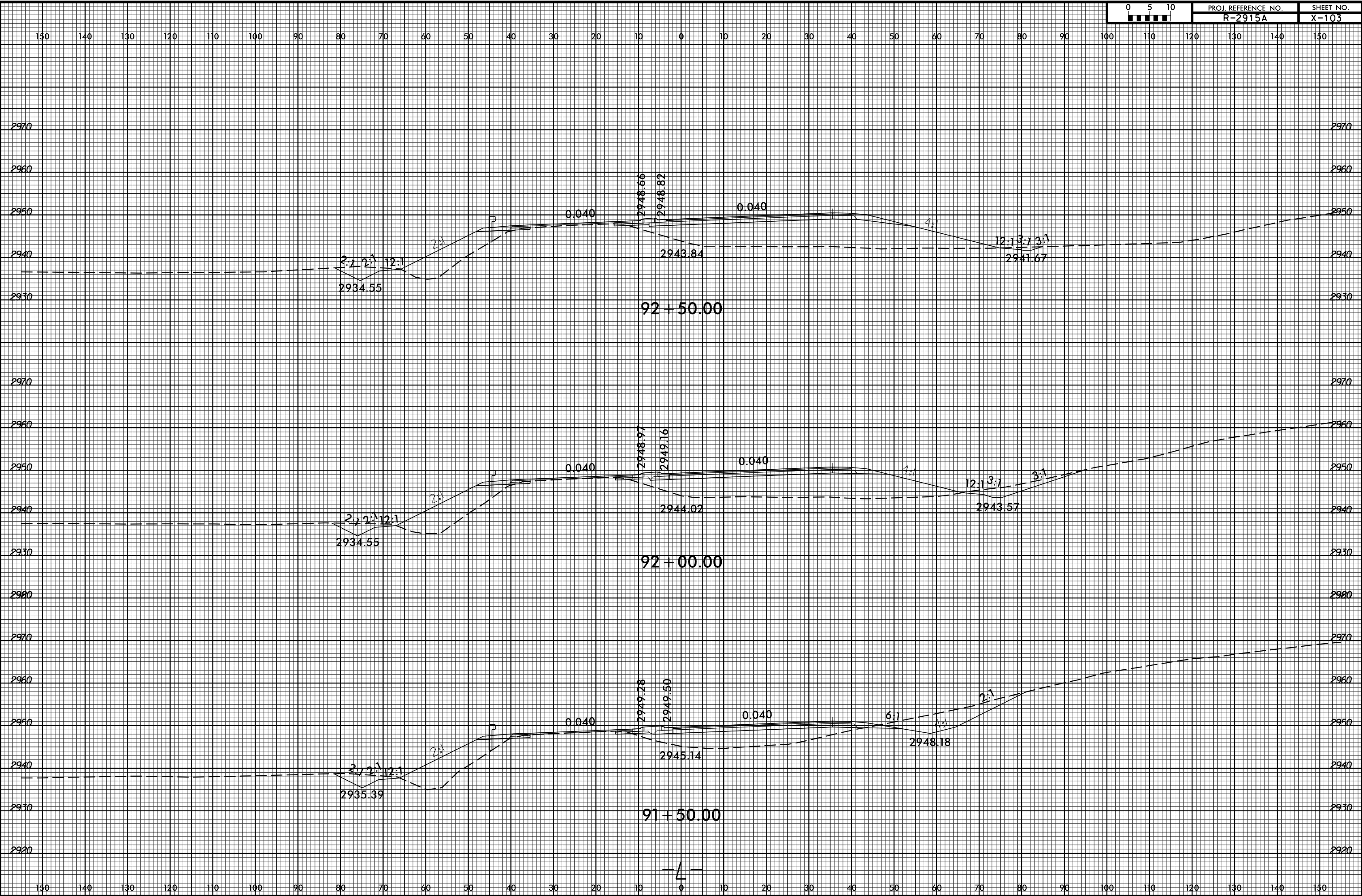


SYSTEMS  
SERVICES  
INC.

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-103

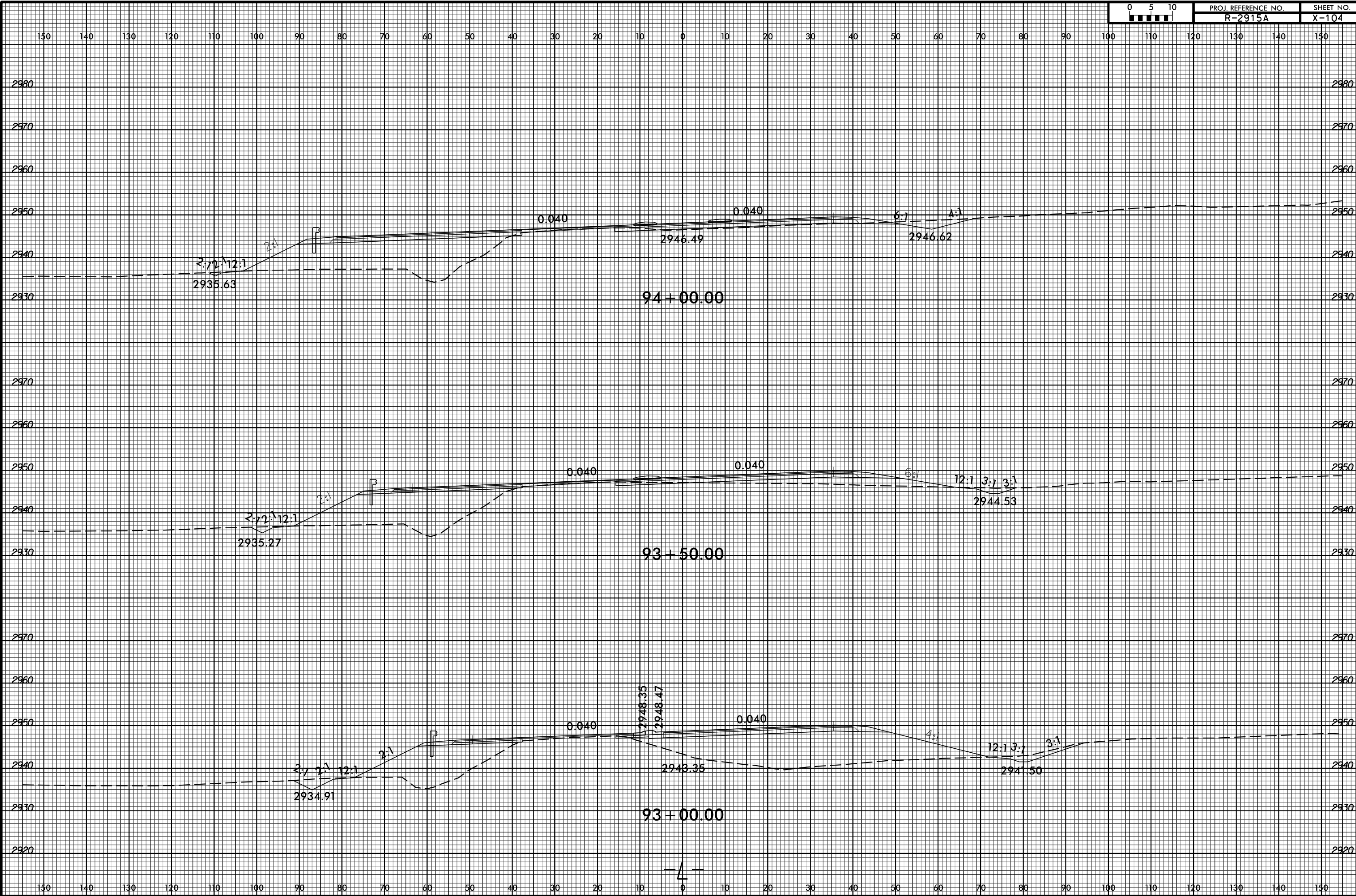


SYSTEMS

8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-104

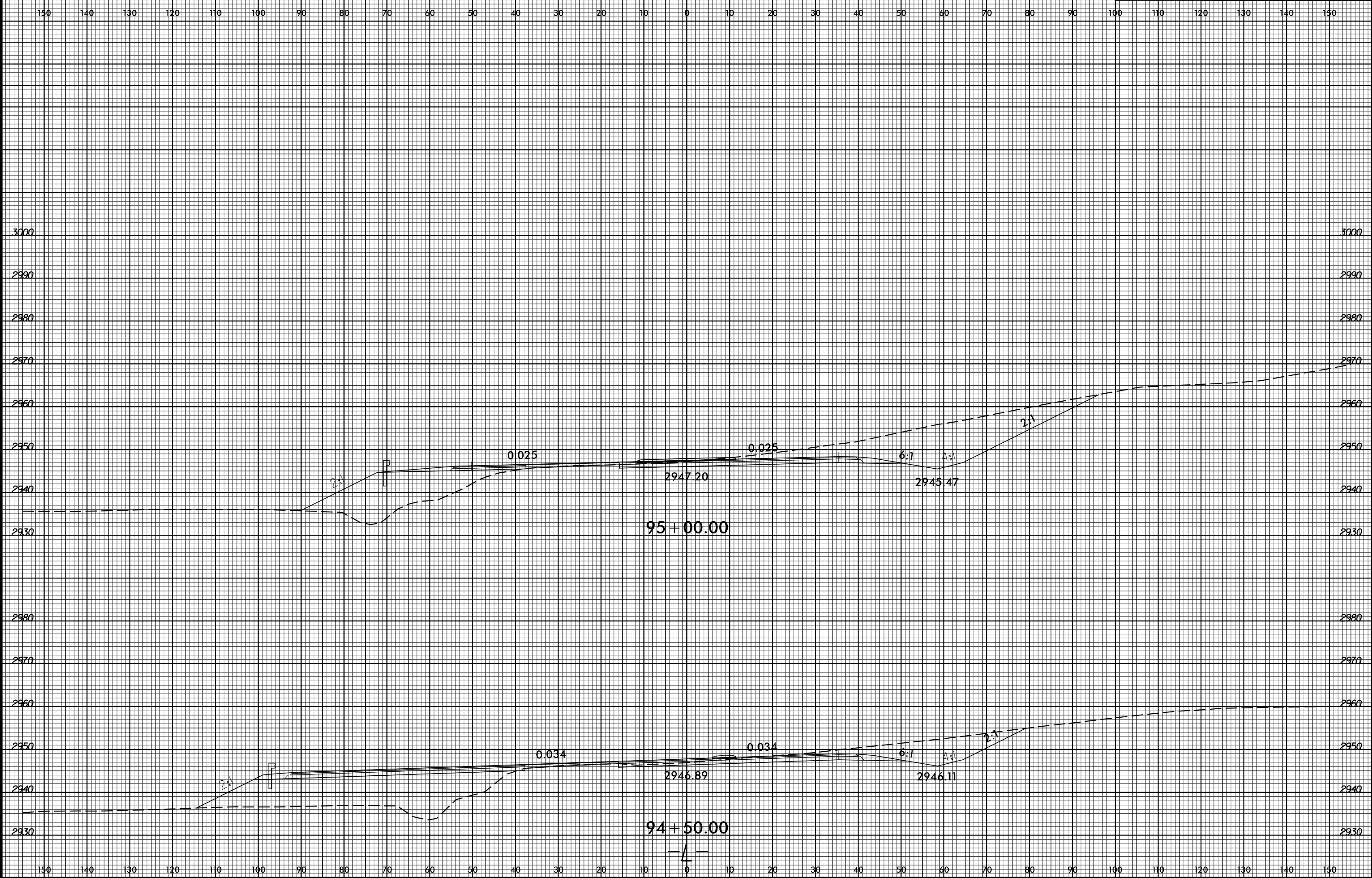


SYSTEMS

8/23/99

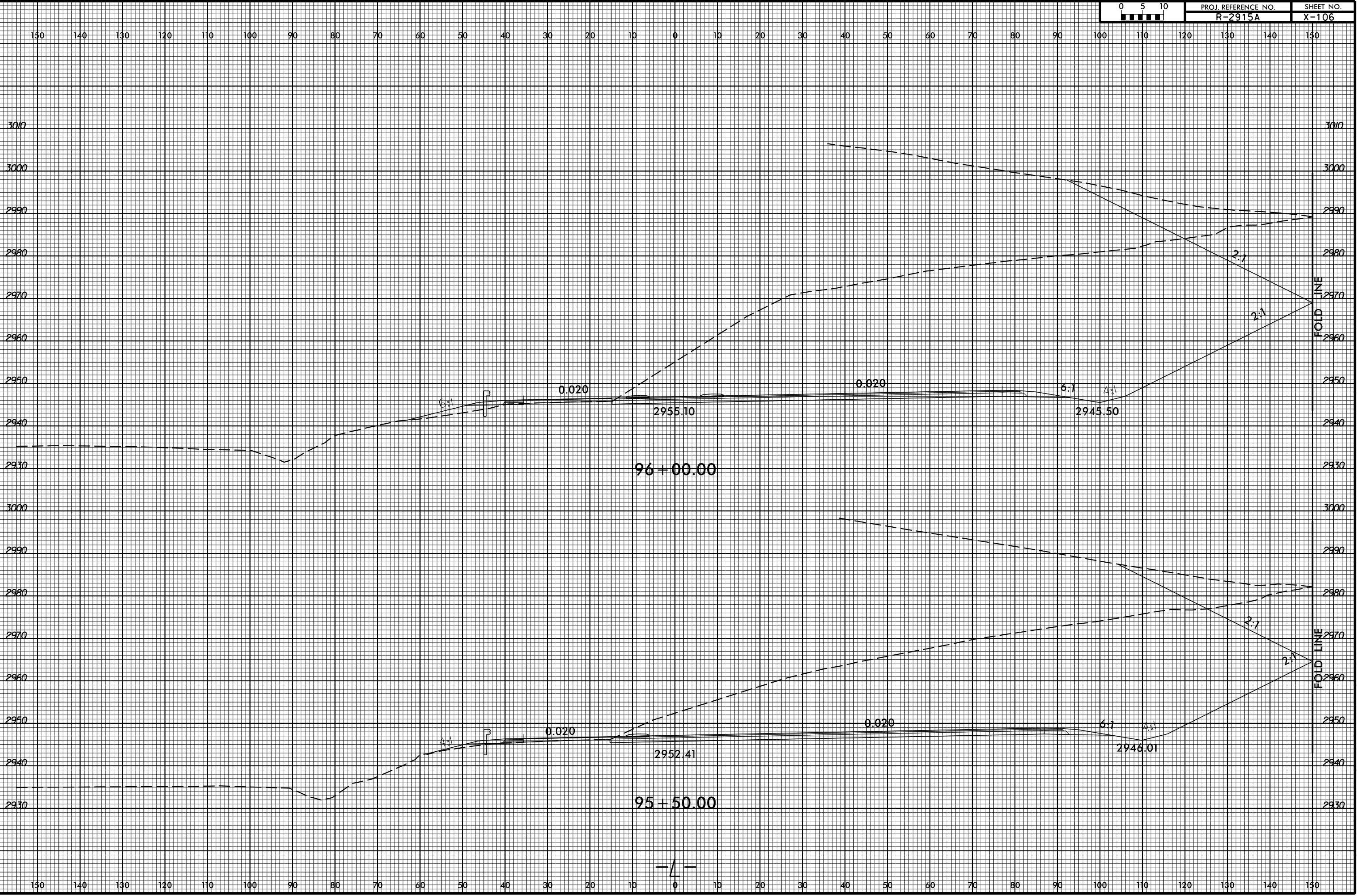


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-105



SYSTEMS  
 DESIGN  
 GROUP  
 INC.  
 1000  
 W. 10th  
 S.W.  
 Orem, UT 84057  
 (801) 226-8800  
 www.systemsdesigngroup.com

8/23/99



SYSTEMS

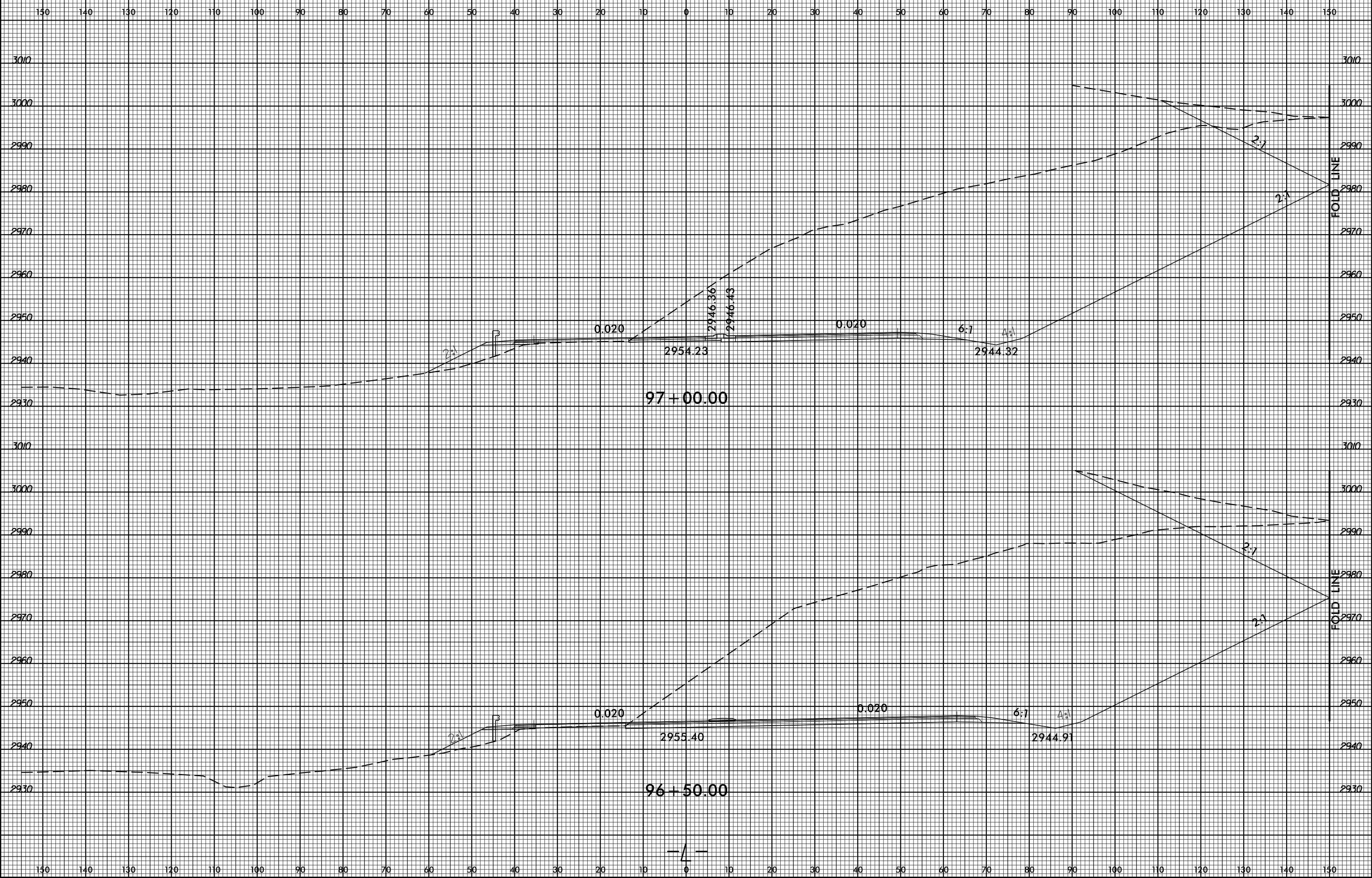
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8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-107



SYSTEMS  
 CONSULTANTS  
 INC.  
 11100  
 WEST 111ST  
 SUITE 100  
 WESTLAKE, CA 91361  
 TEL: (818) 490-9000  
 FAX: (818) 490-9001  
 WWW: WWW.SYSTEMSCONCONSULTANTS.COM

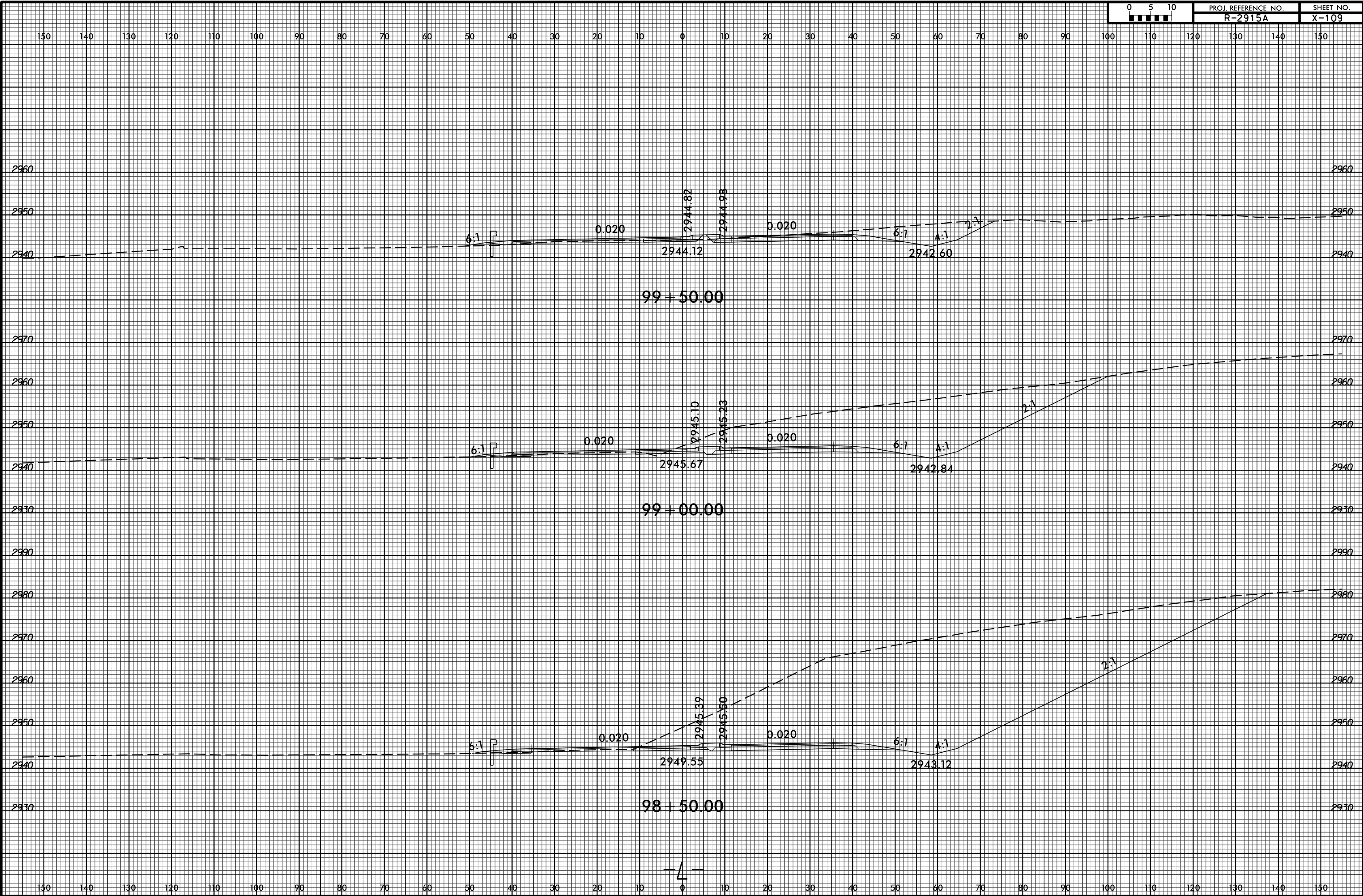


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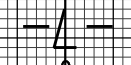


PROJ. REFERENCE NO.  
R-2915A

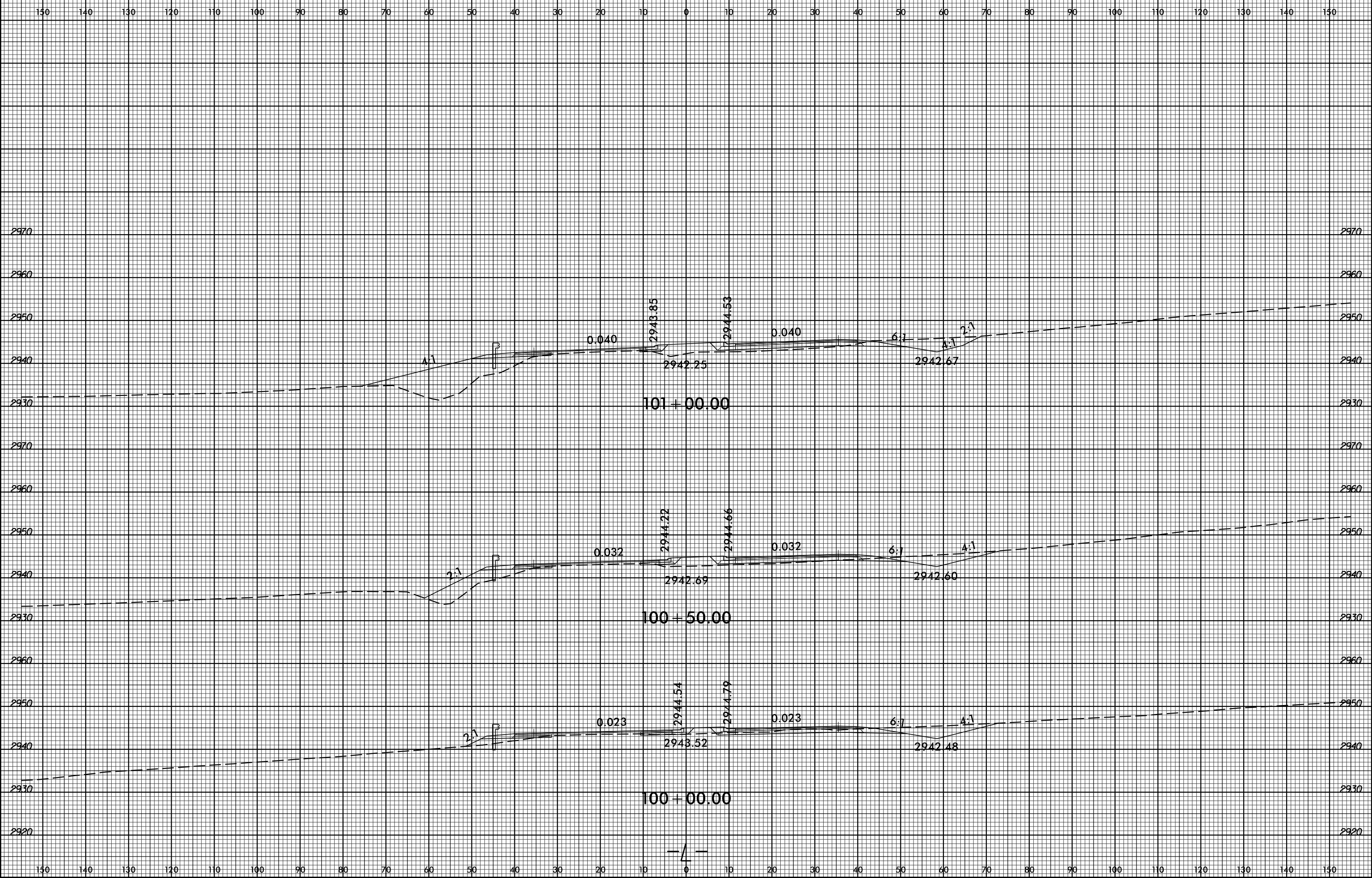
SHEET NO.  
X-109



SYSTEMS  
SERVICES  
INC.



8/23/99

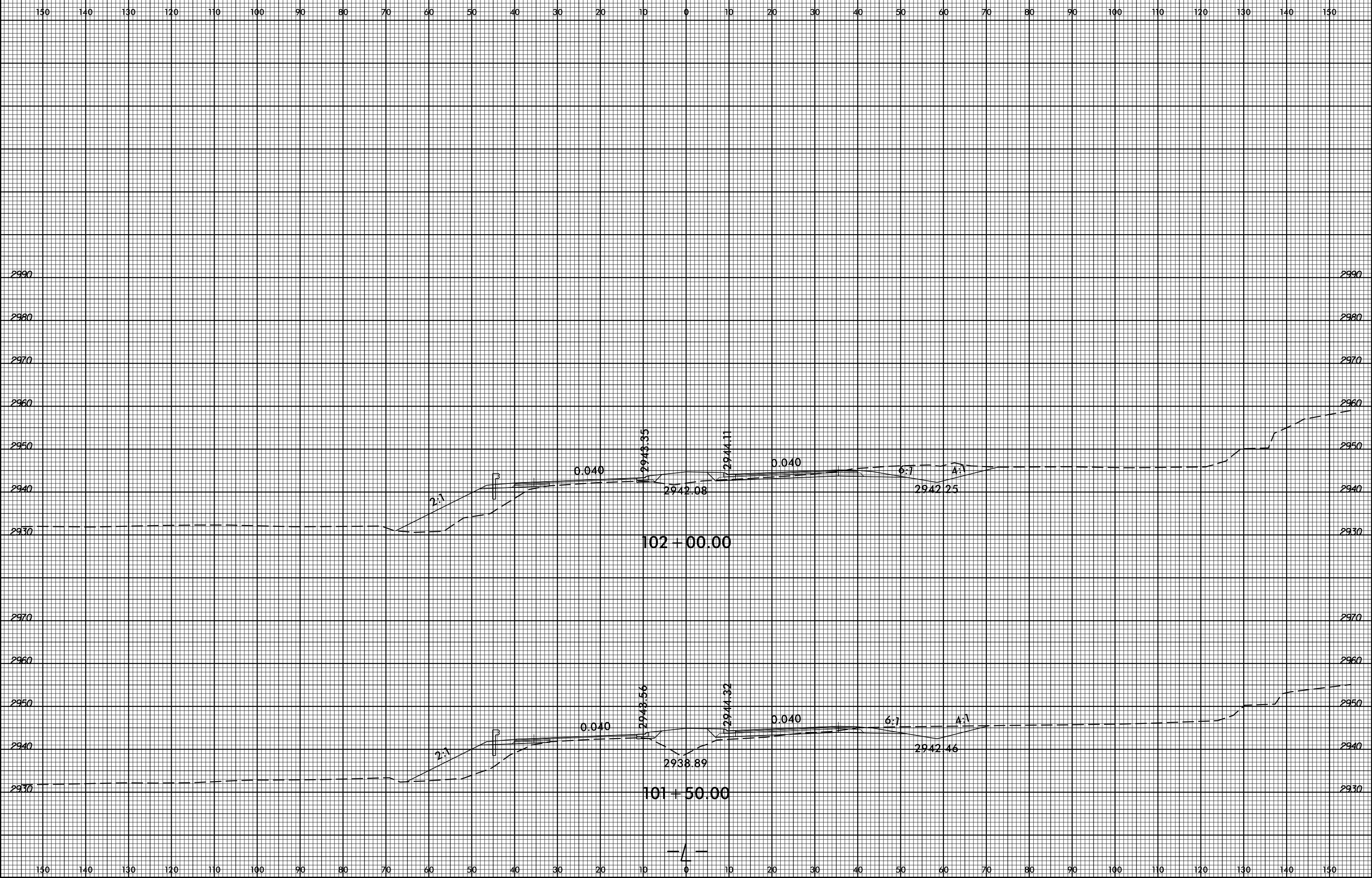


SYSTEMS  
 OF  
 RECORDS  
 &  
 INFORMATION  
 SERVICES

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-111

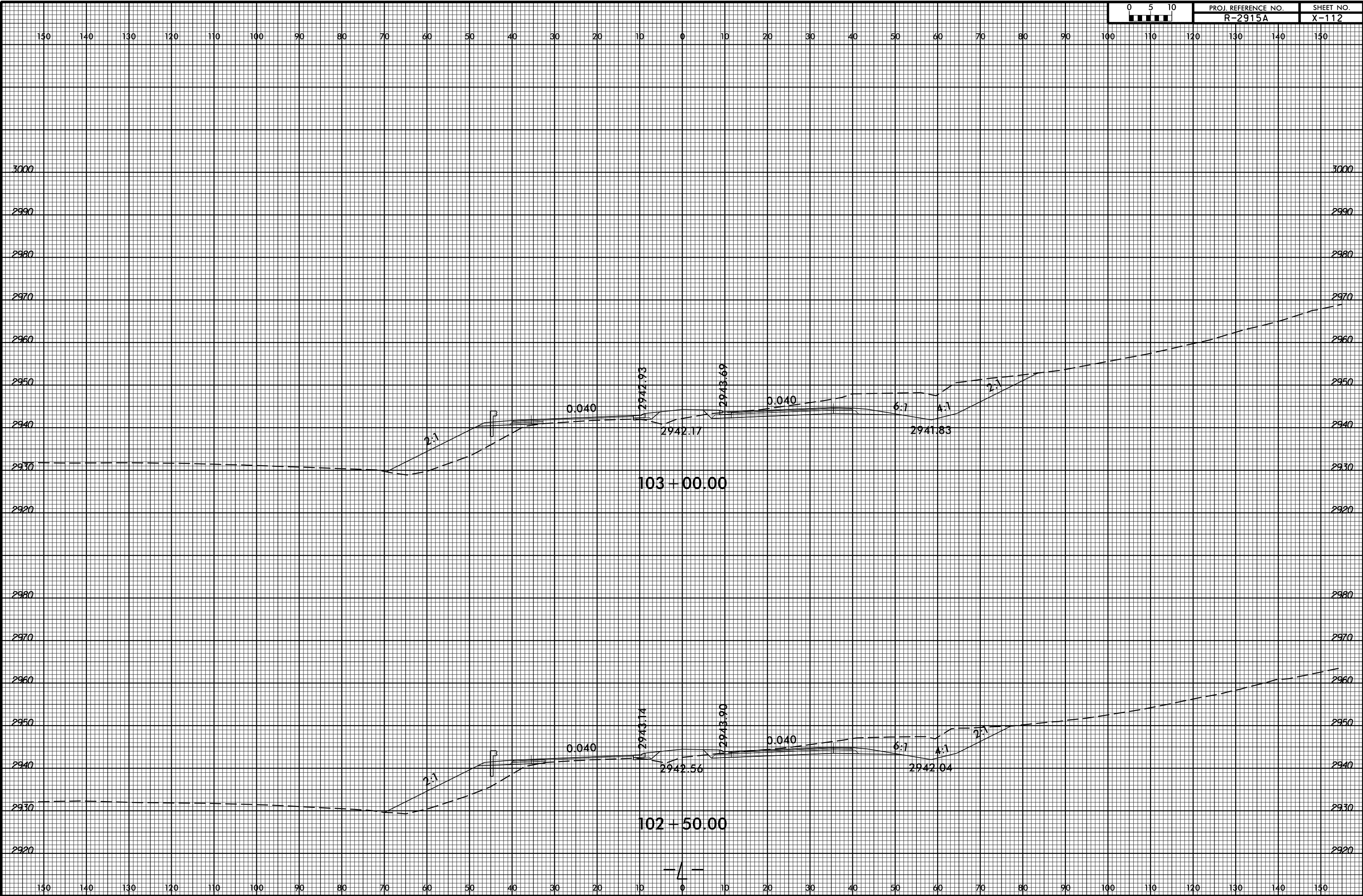


SYSTEMS  
DESIGN  
INC.

8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-112

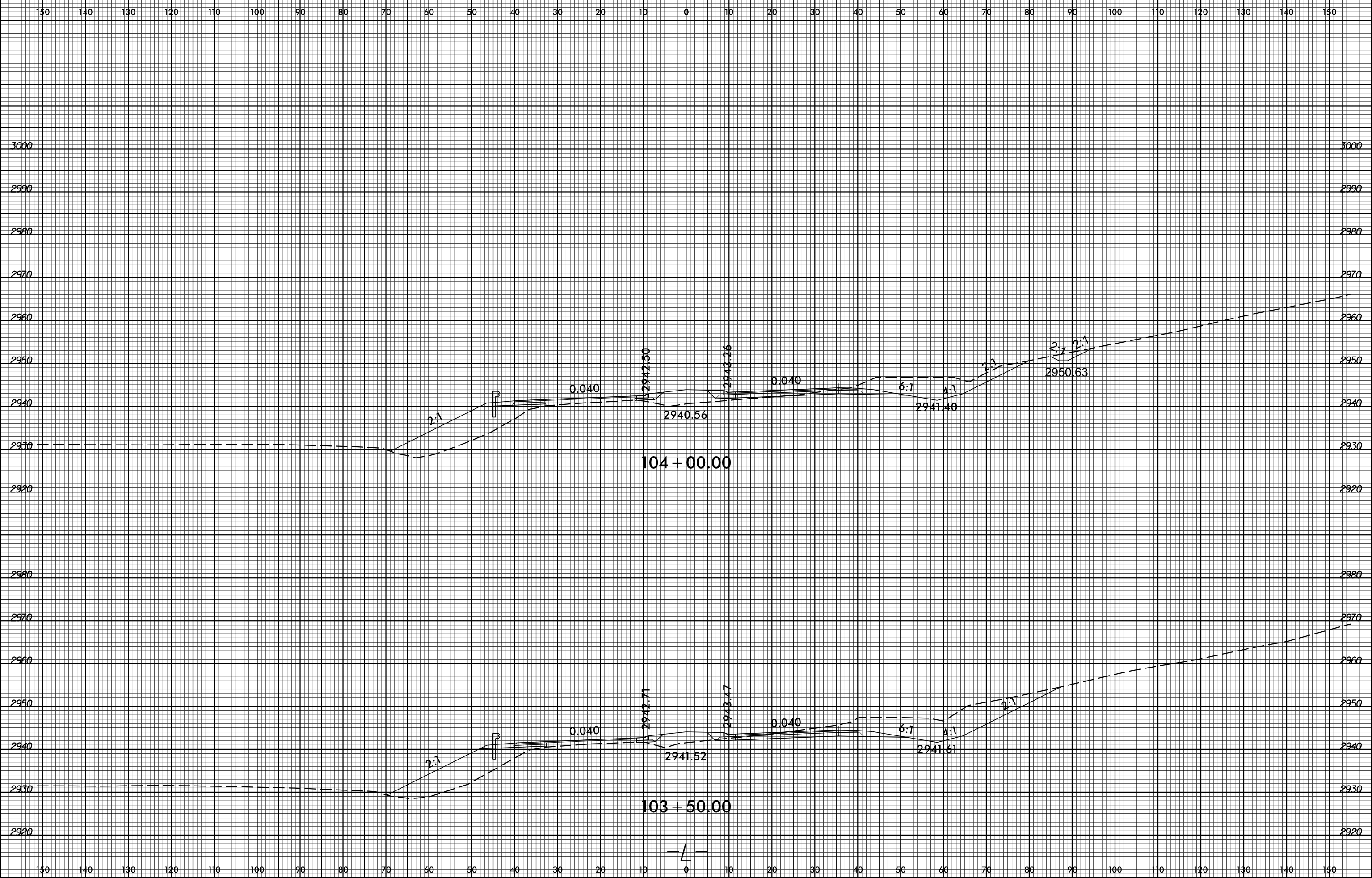


SYSTEMS  
DESIGN  
CONSULTANTS

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-113



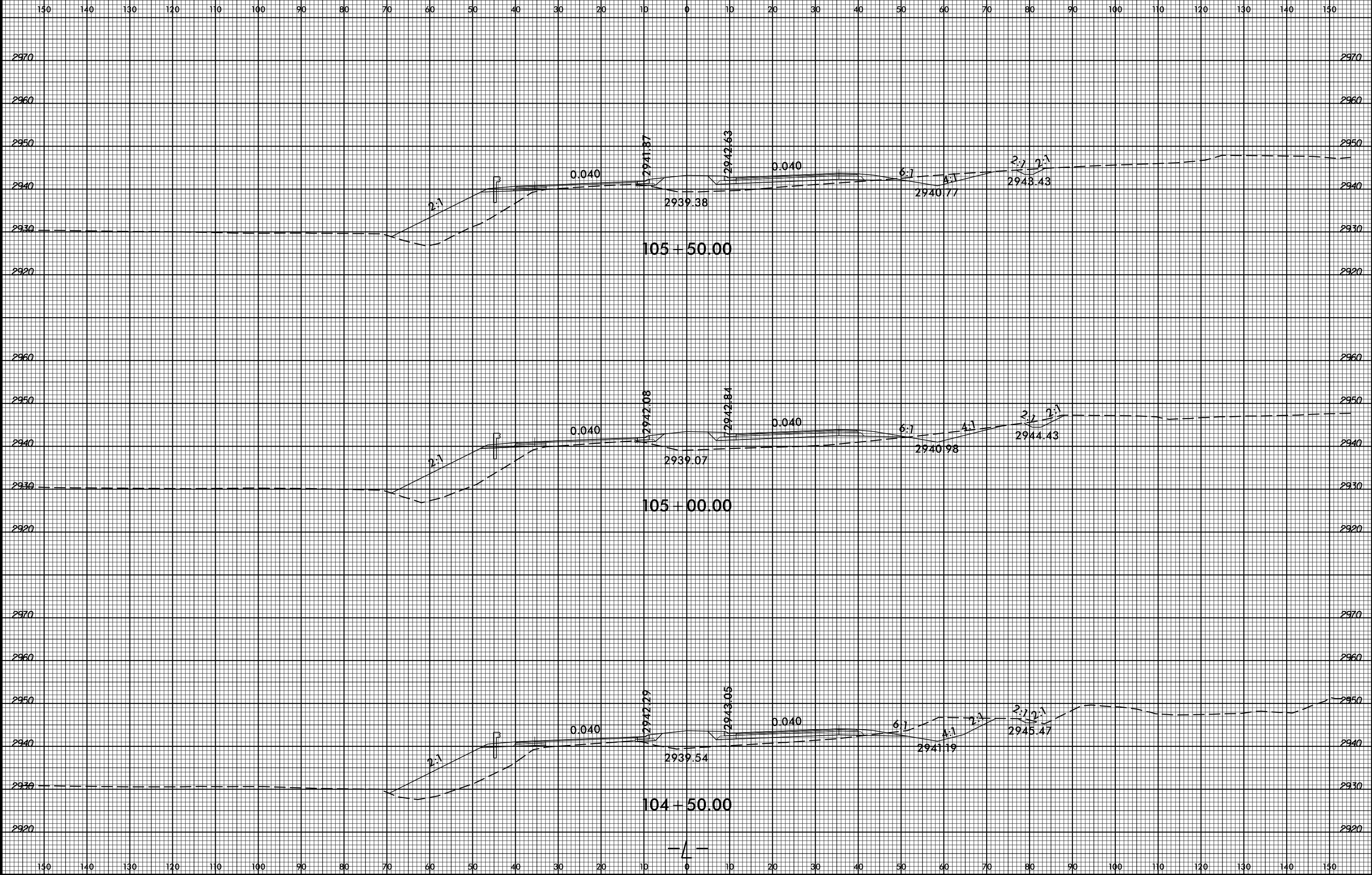
SYSTEMS  
 DESIGN  
 CONSULTANTS  
 INC.

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-114



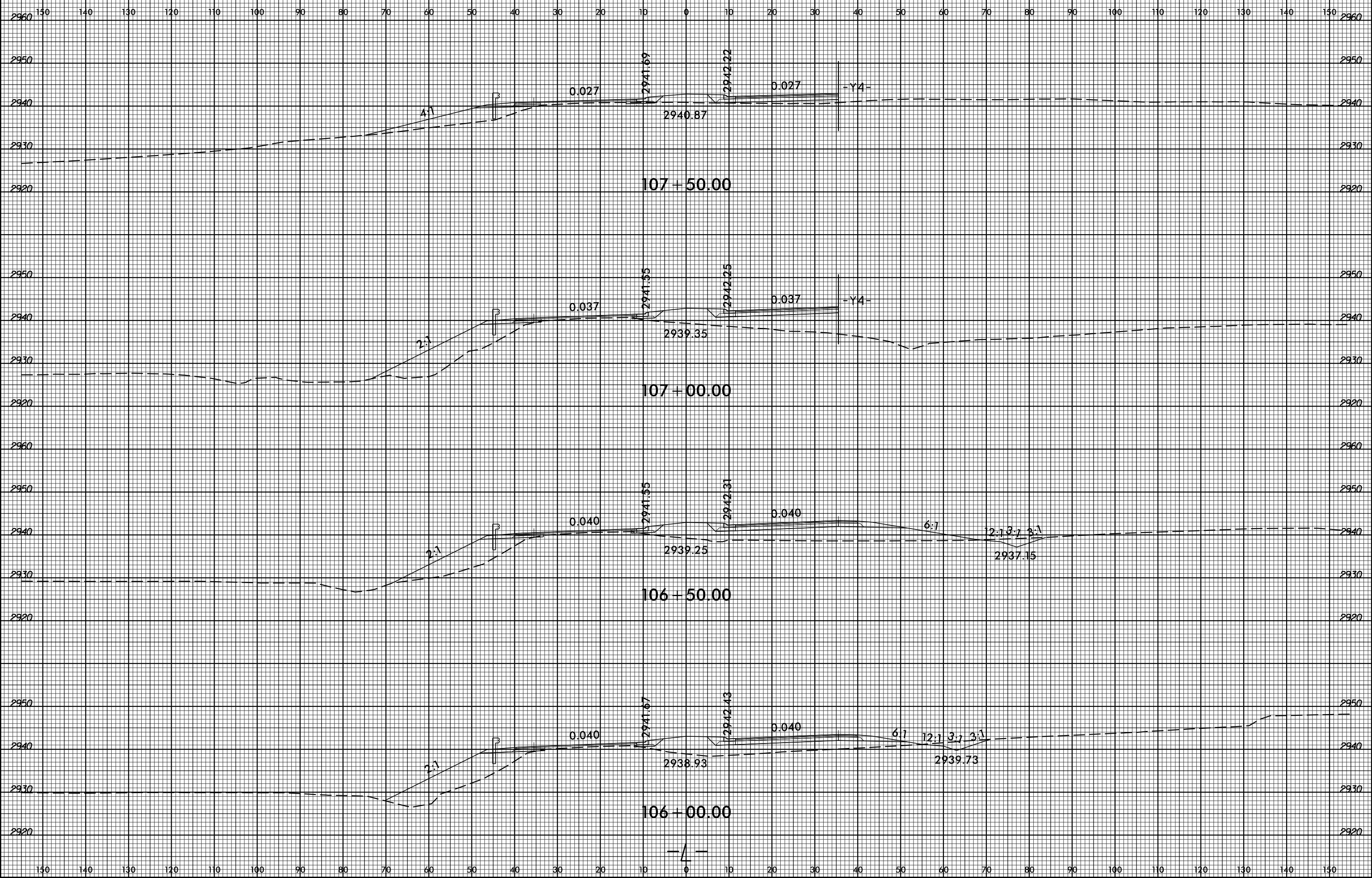
SYSTEMS  
DESIGN  
GROUP





8/23/99

	PROJ. REFERENCE NO.	SHEET NO.
	R-2915A	X-115



SYSTEMS

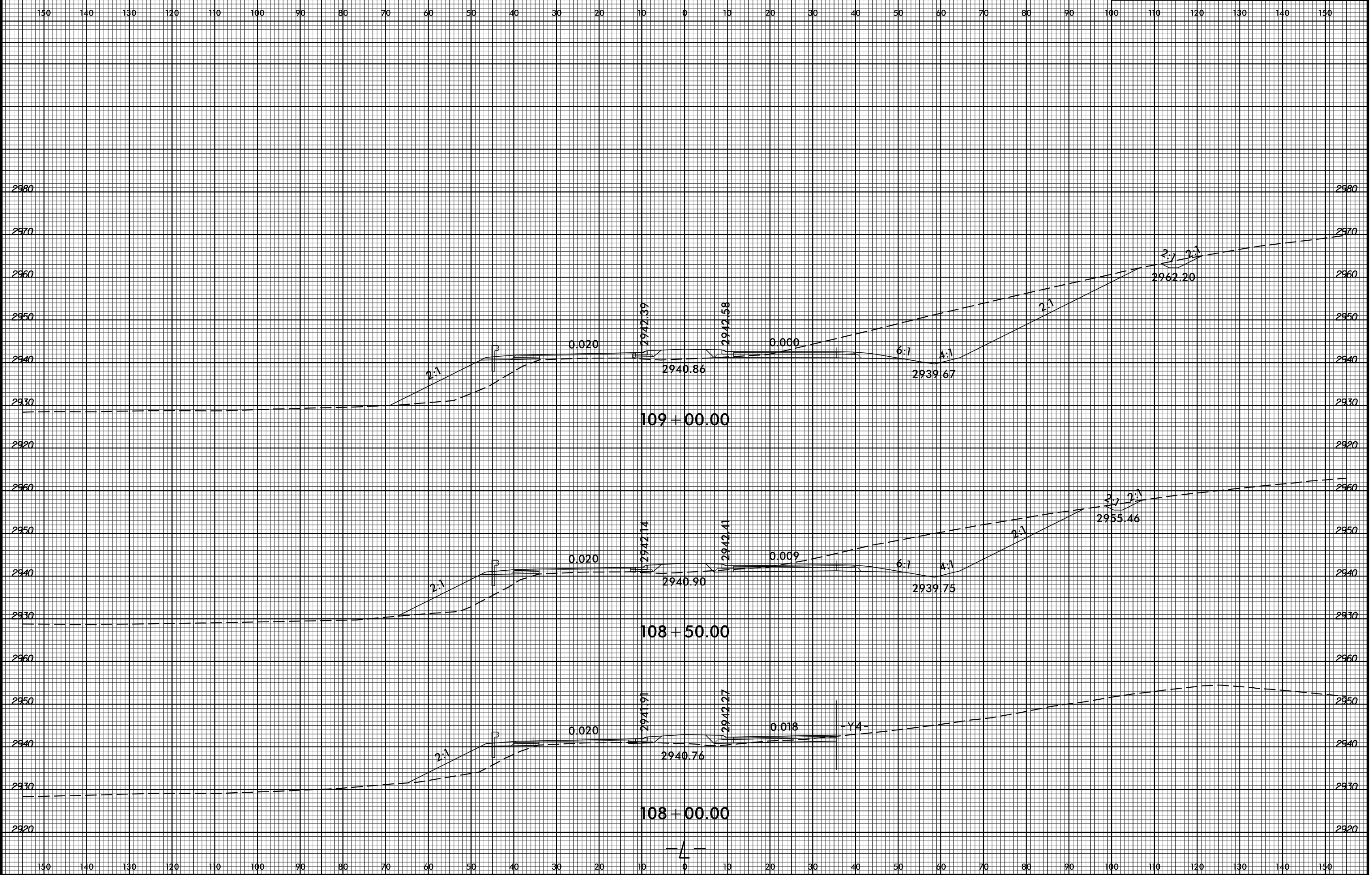


8/23/99



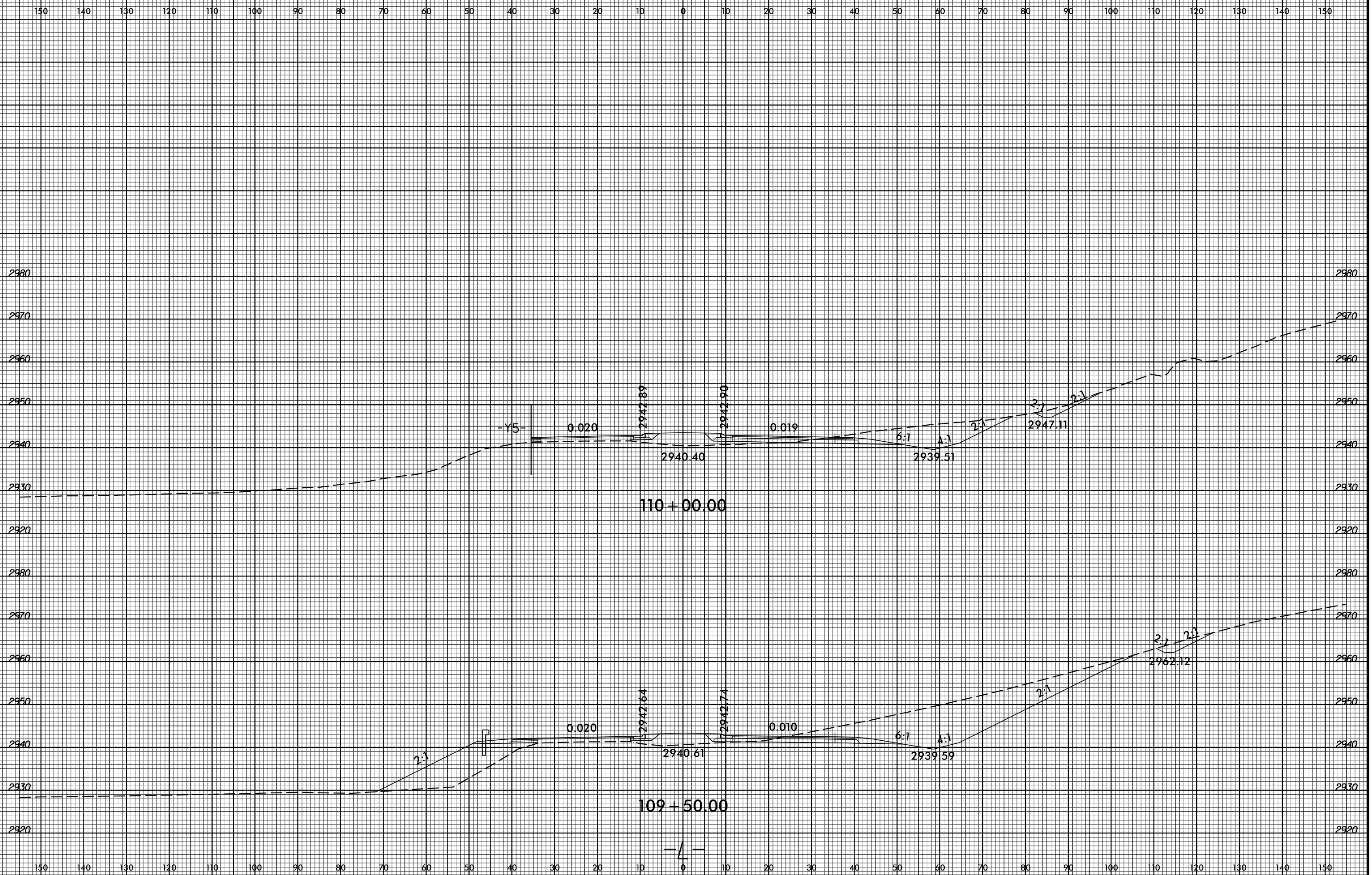
PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-116



SYSTEMS  
SERVICES  
INCORPORATED

8/23/99



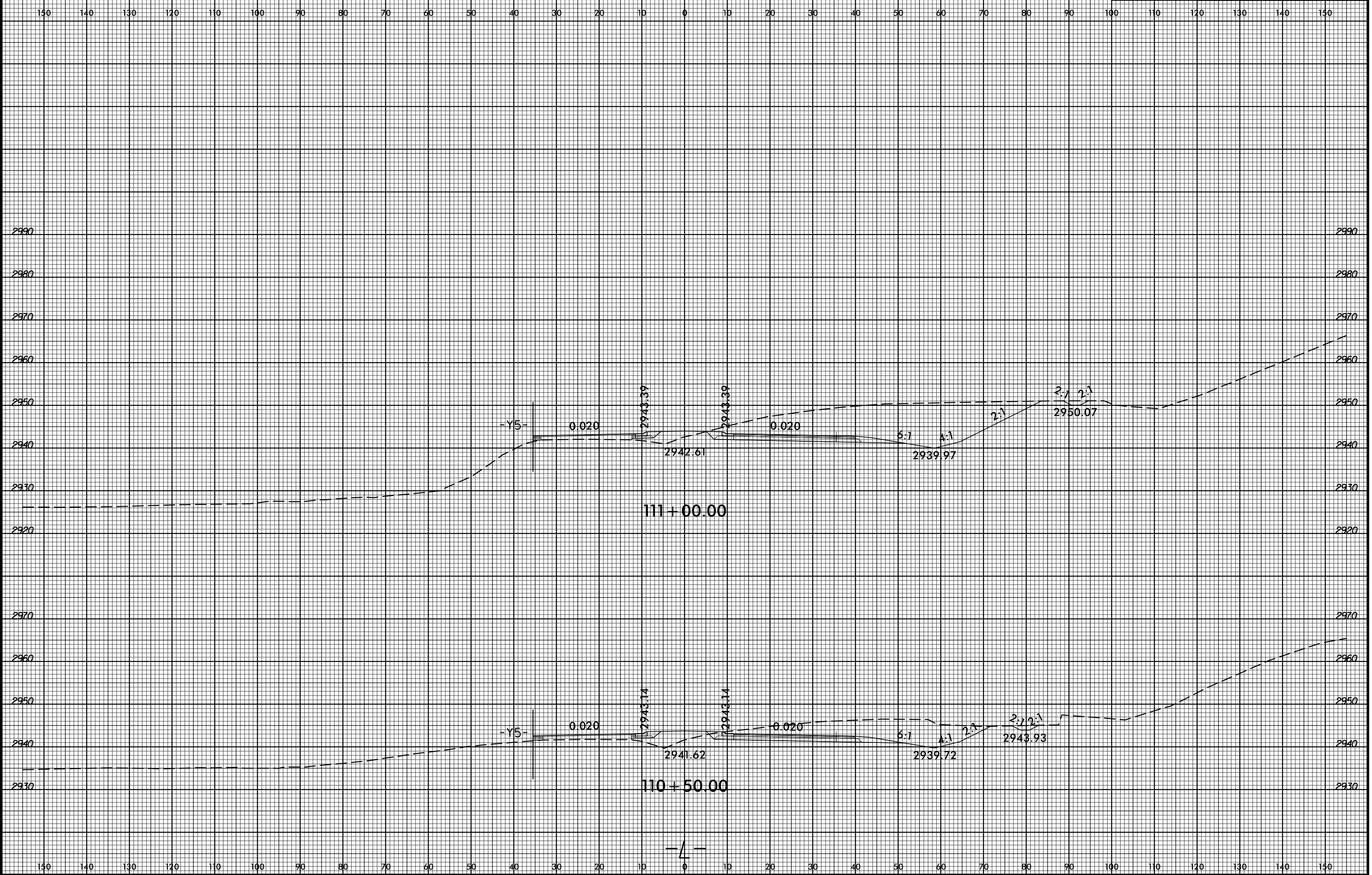
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-118



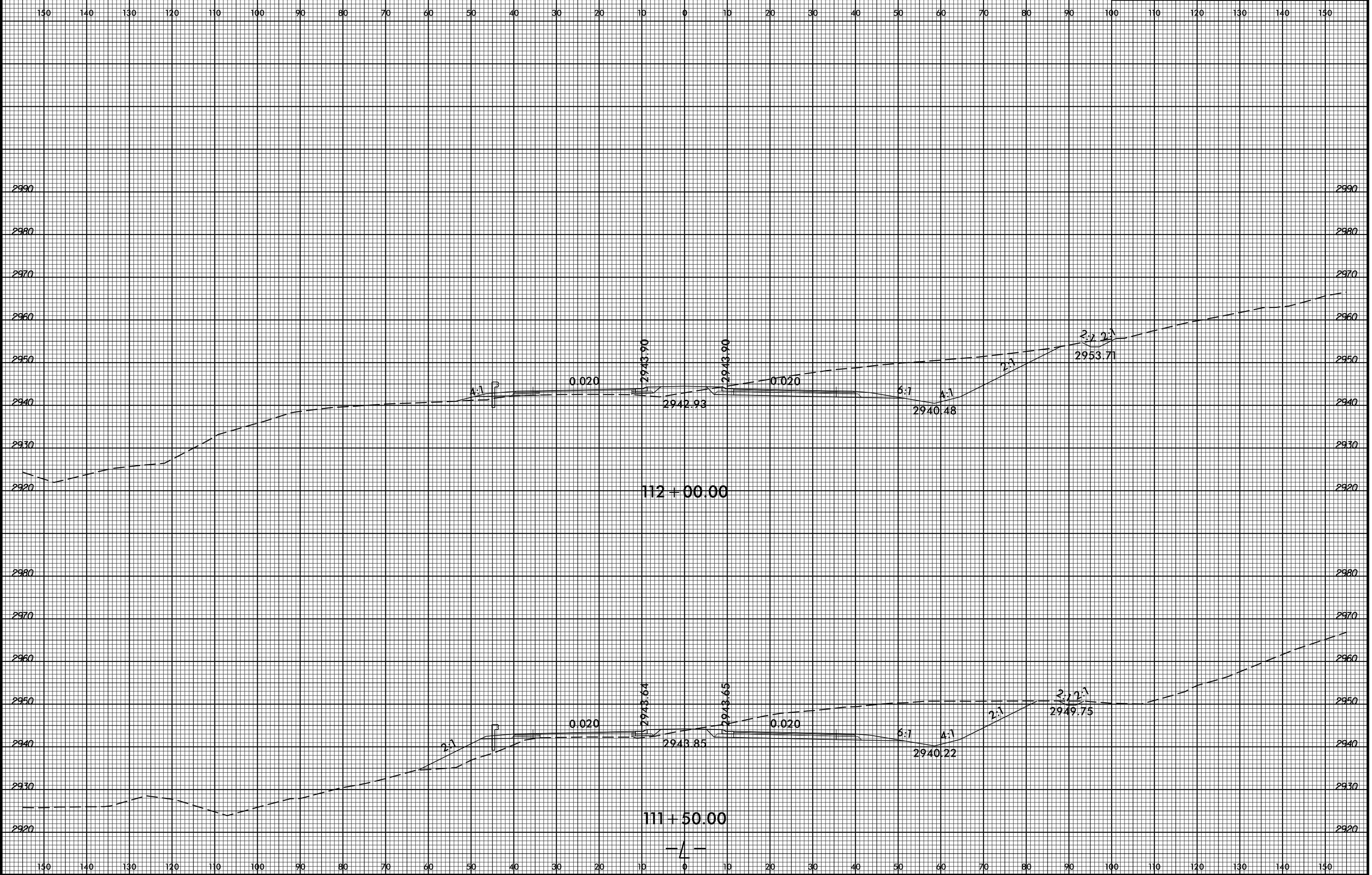
SYSTEMS  
SERVICES  
INCORPORATED

8/23/99

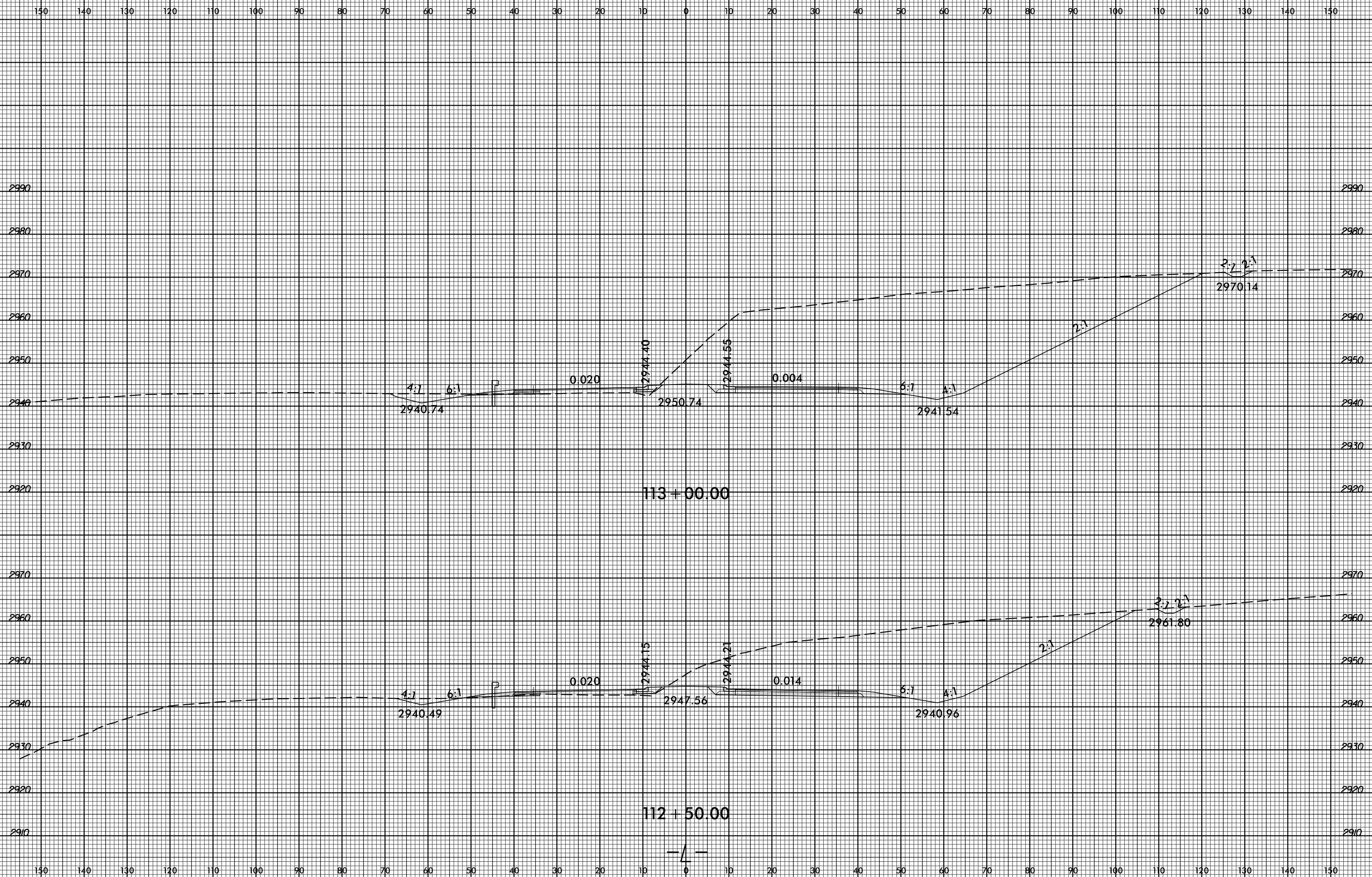


PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-119



SYSTEMS  
SERVICES  
INC.

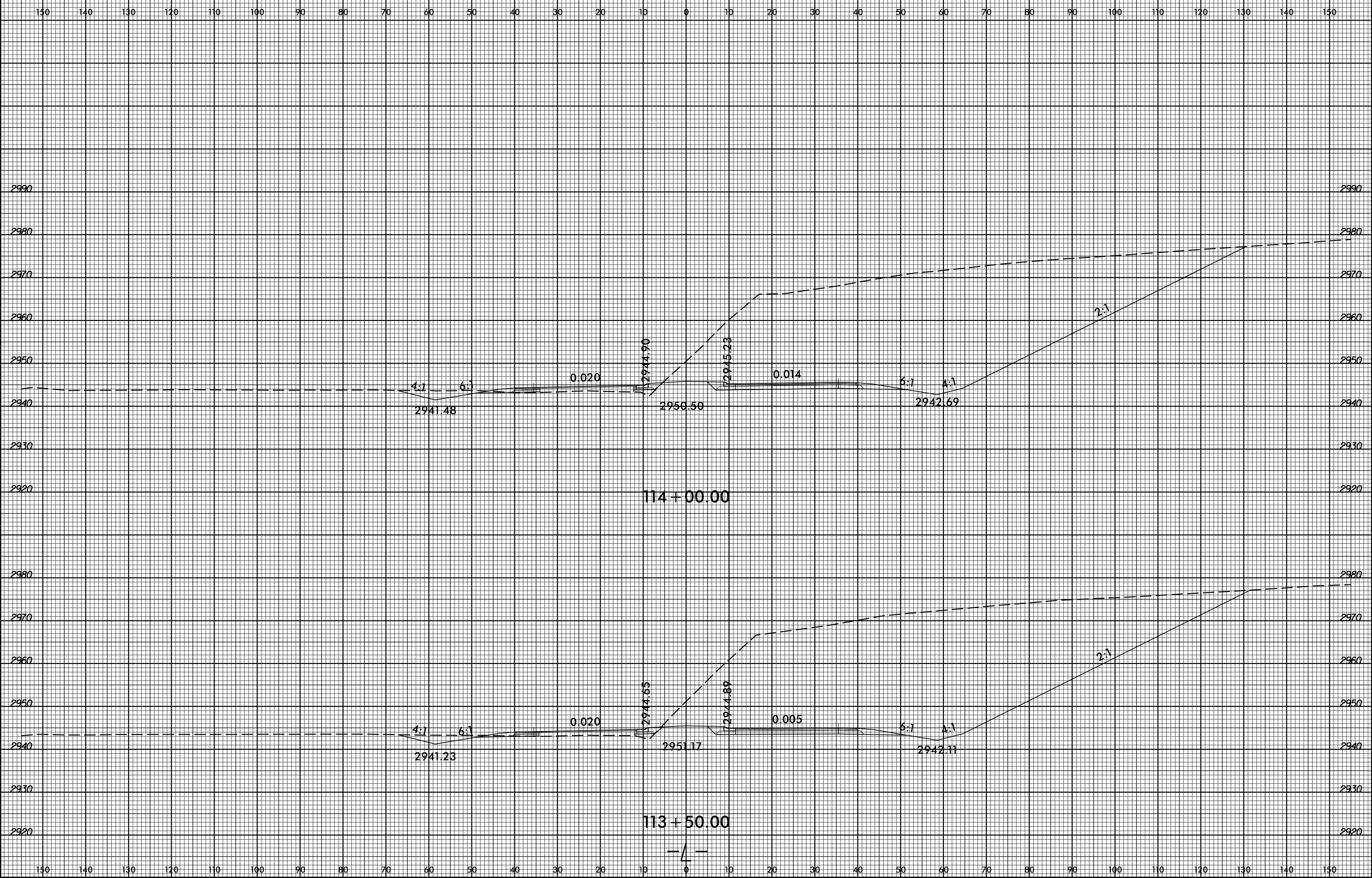


SYSTEMS  
 CONSULTANTS  
 INC.

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-121

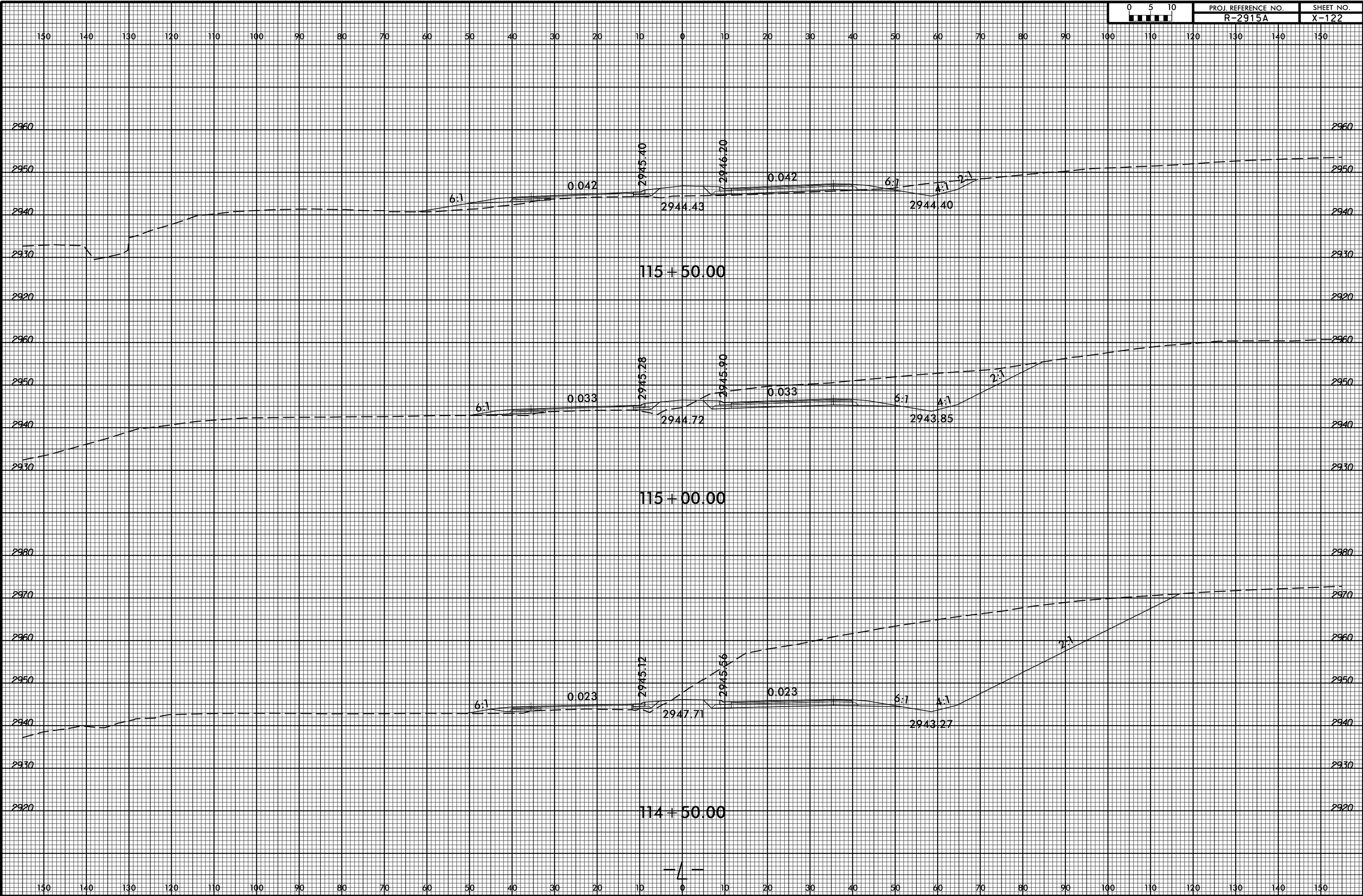


SYSTEMS  
 DESIGN  
 CONSULTANTS  
 INC.

8/23/99



PROJ. REFERENCE NO. R-2915A  
SHEET NO. X-122



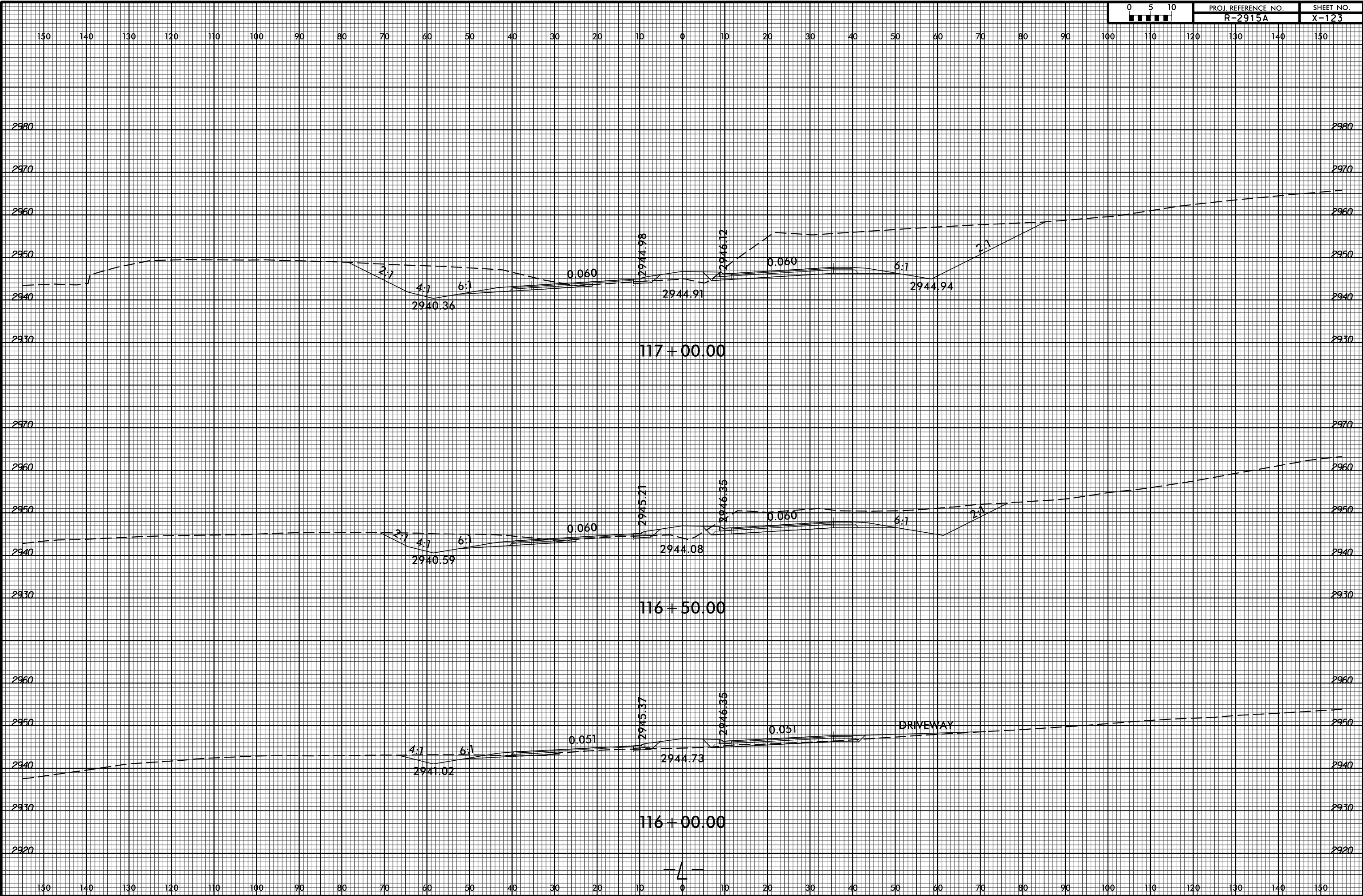
SYSTEMS  
SERVICES  
CORPORATION



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-123

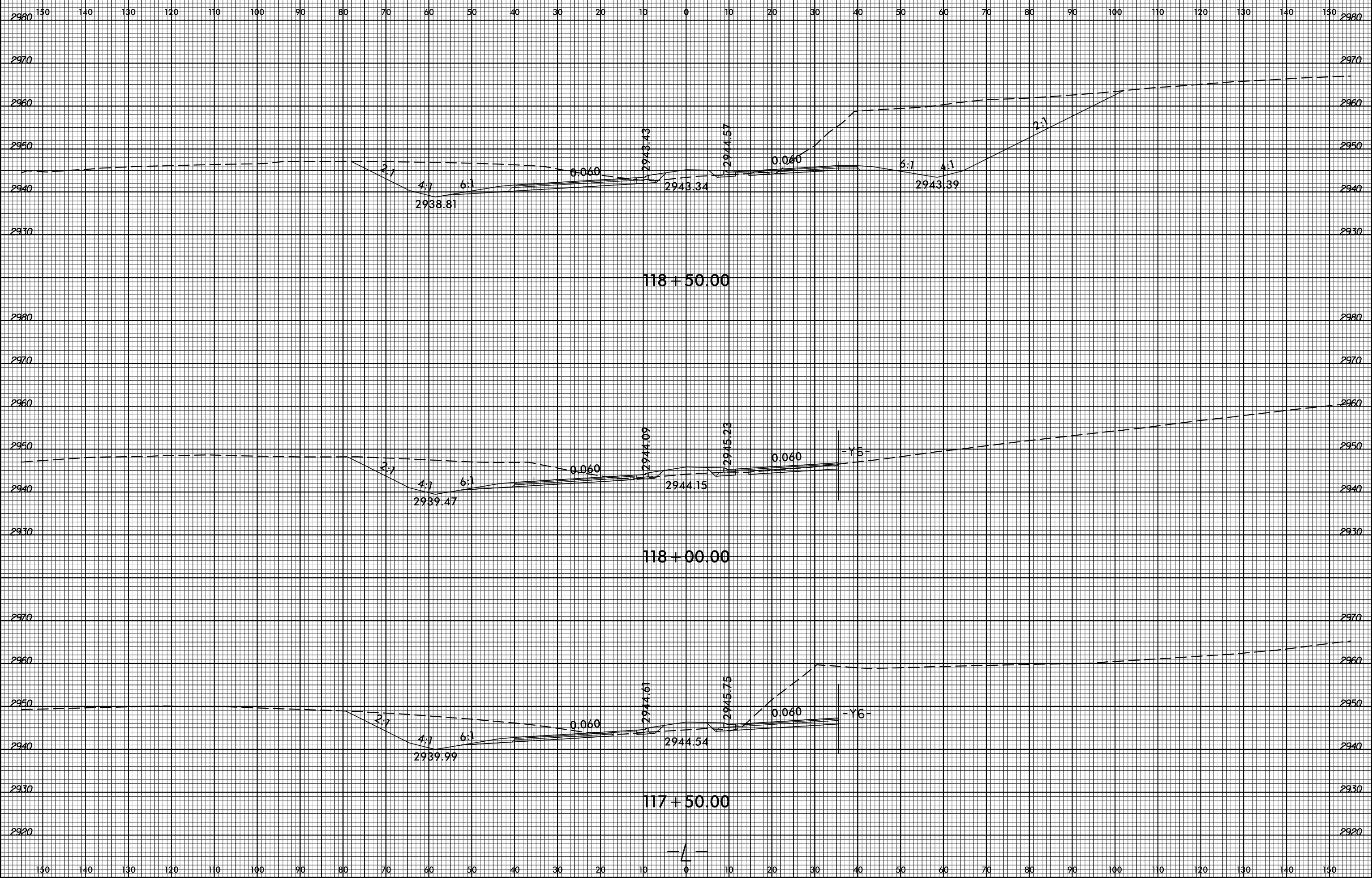


SYSTEMS  
SERVICES  
INC.

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-124

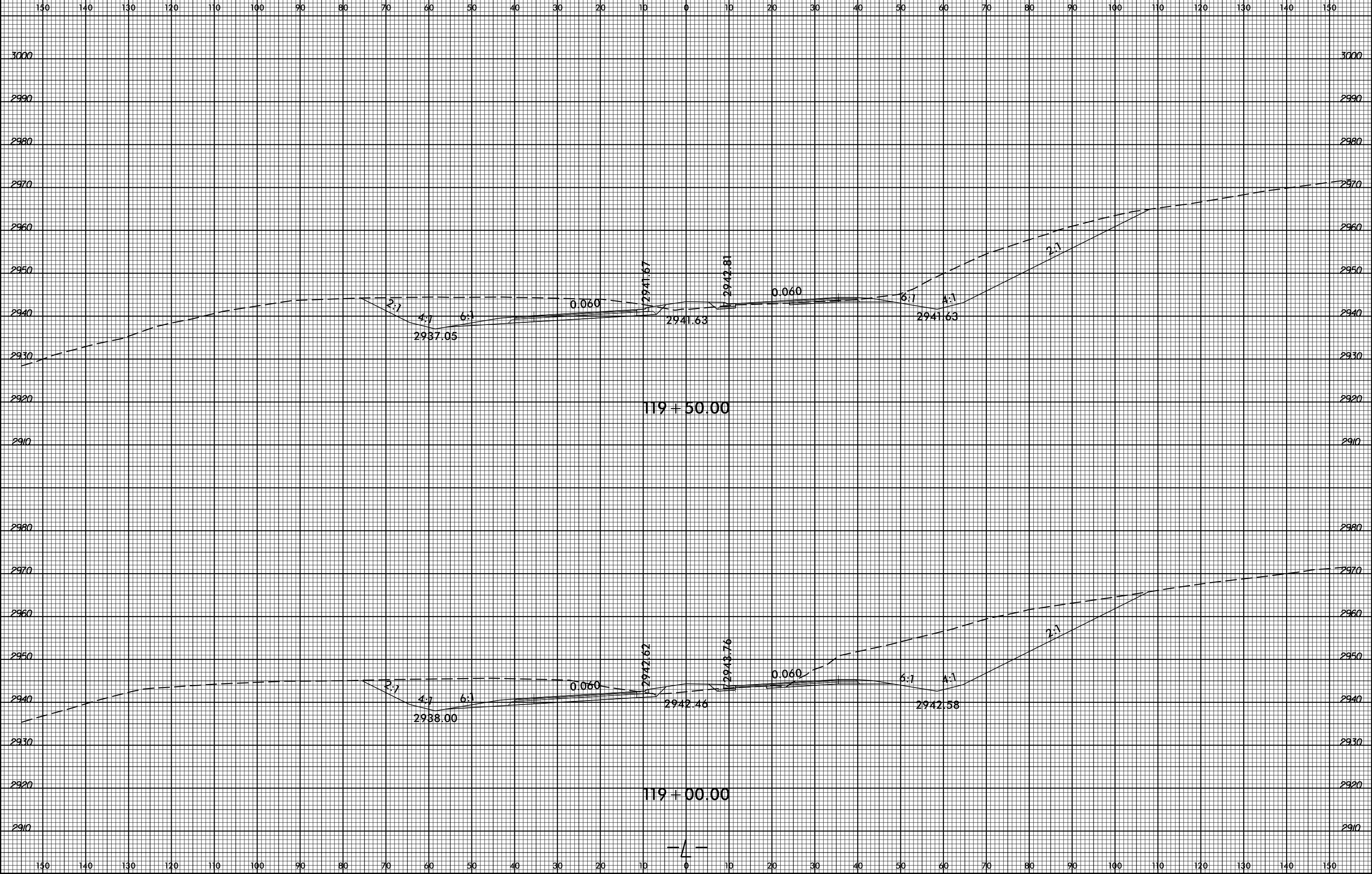


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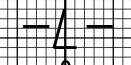
8/23/99



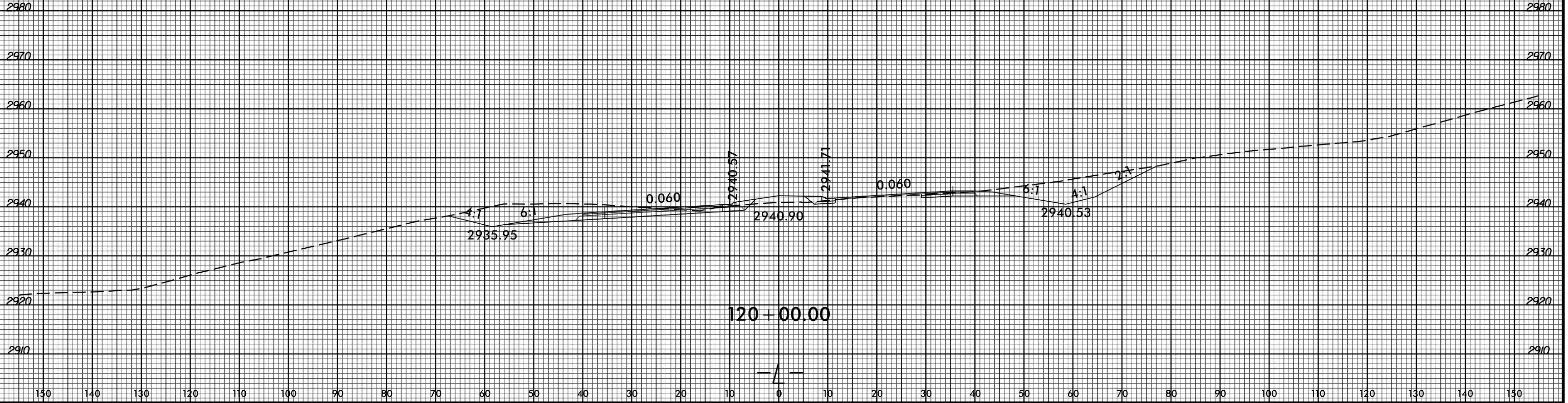
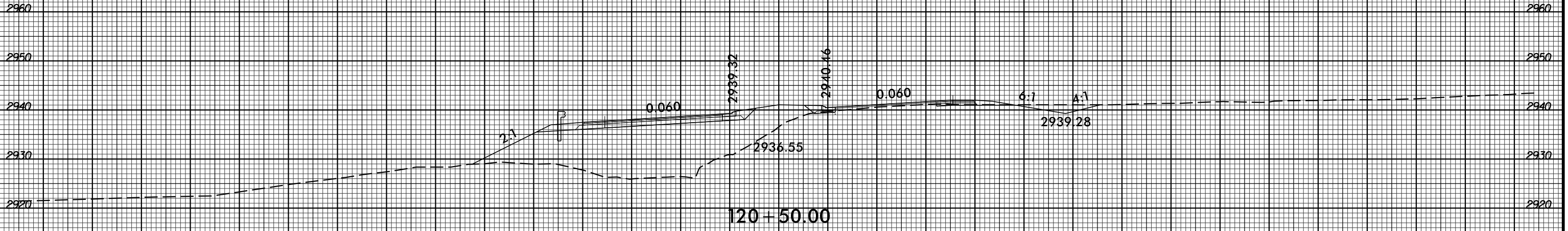
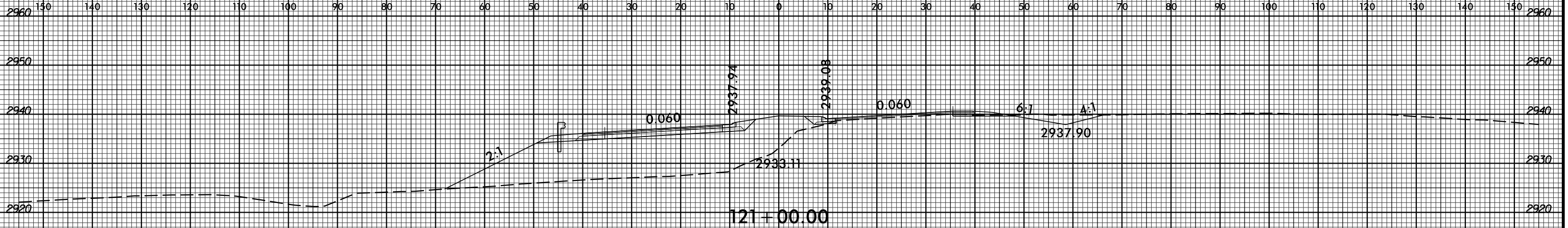
PROJ. REFERENCE NO. R-2915A SHEET NO. X-125



SYSTEMS  
SERVICES  
CONSULTING



8/23/99

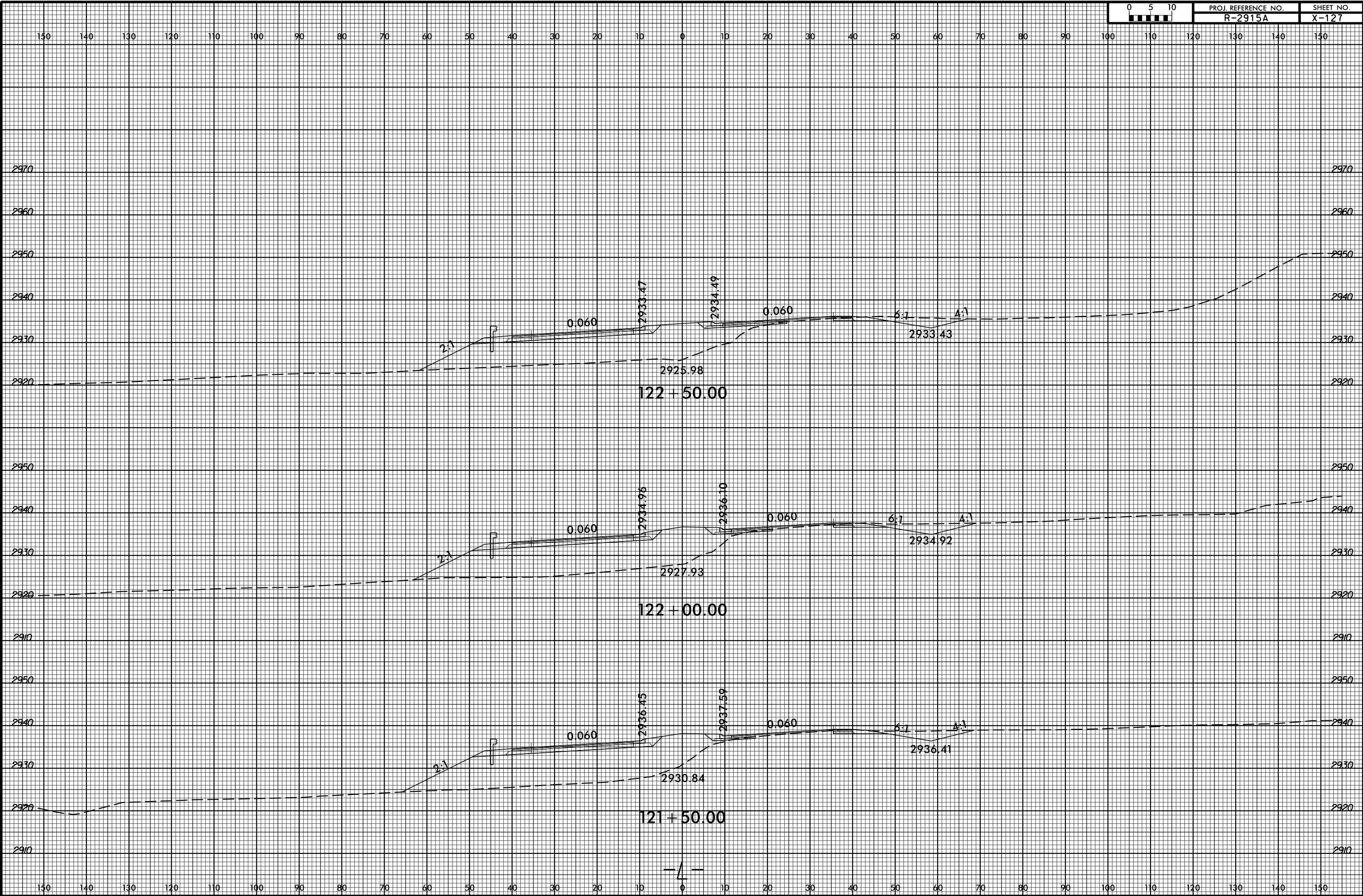


DATE OF REVISION: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
SCALE: \_\_\_\_\_  
PROJECT: \_\_\_\_\_

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-127

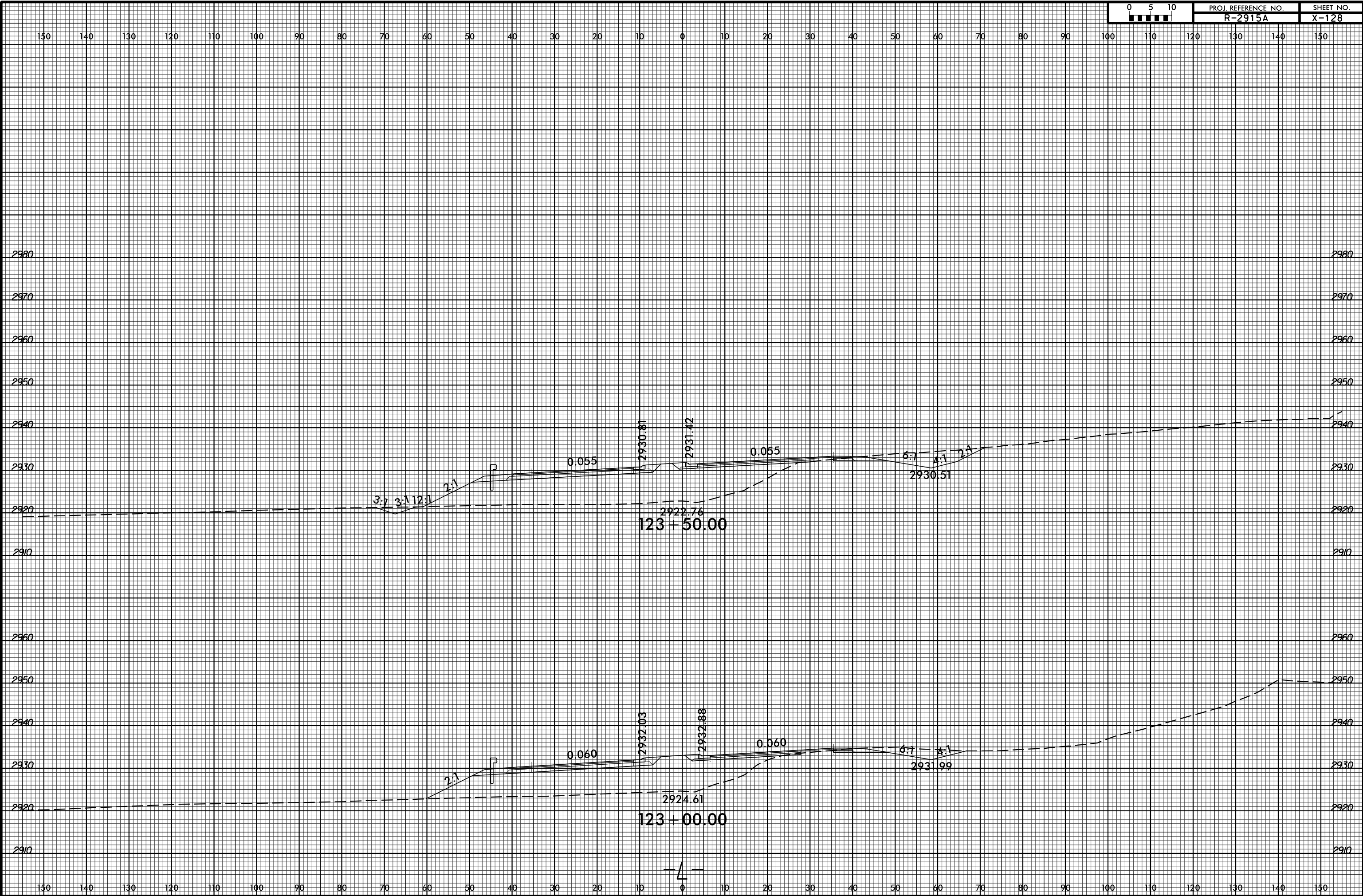


SYSTEMS  
 DESIGN  
 CONSULTANTS  
 INC.

8/23/99

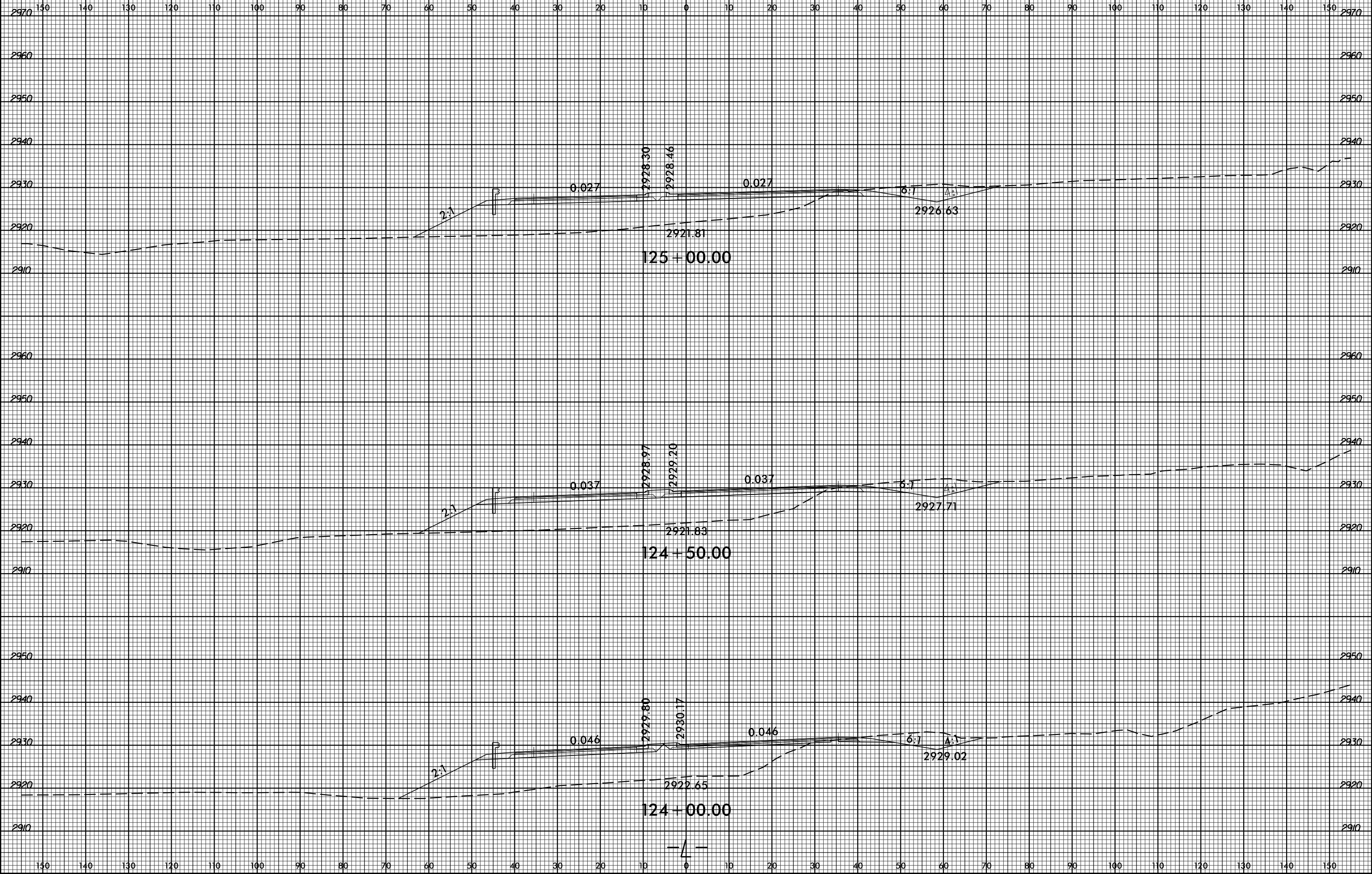


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-128

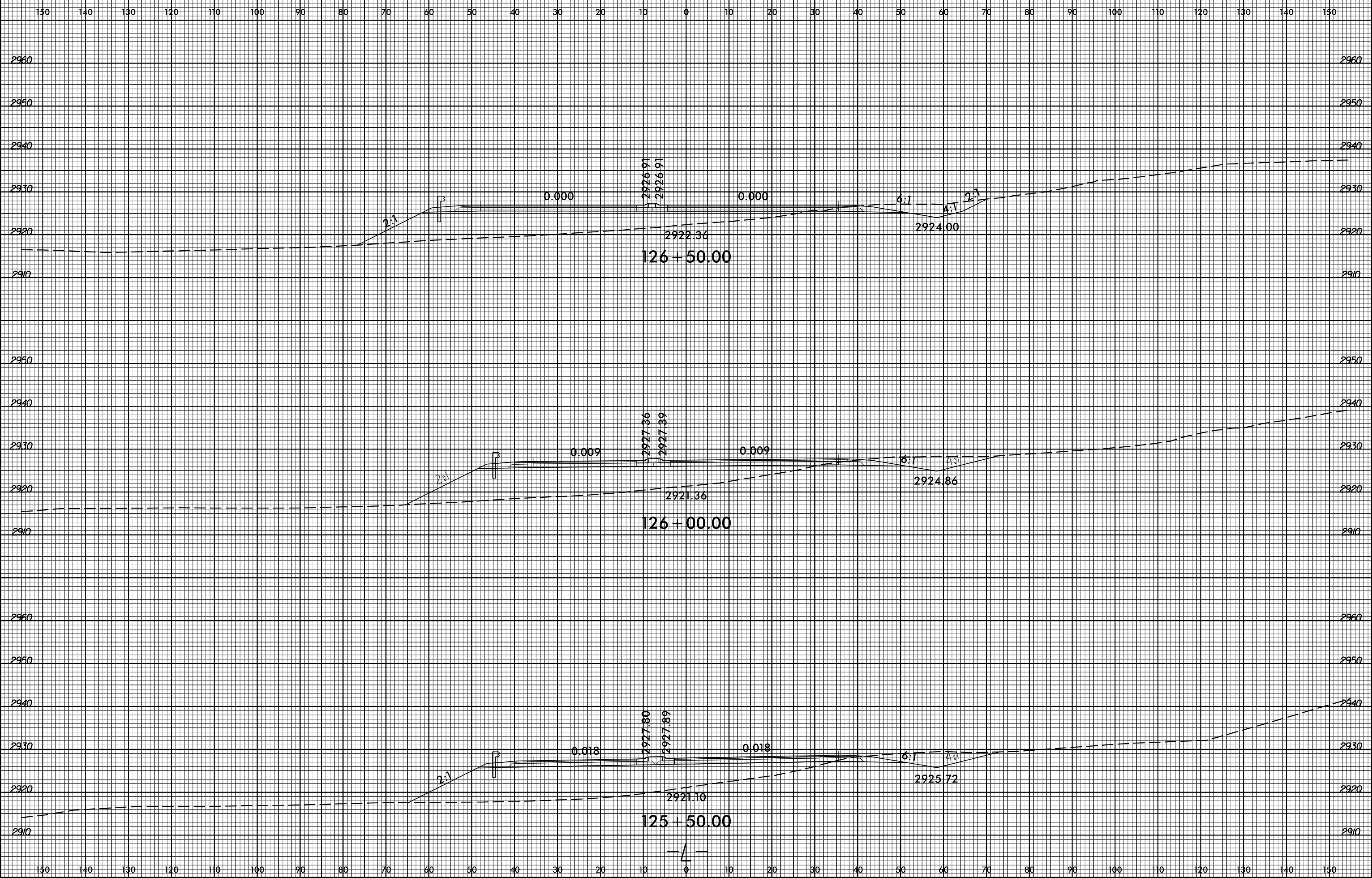


SYSTEMS  
 DESIGN  
 GROUP  
 INC.  
 1000  
 W. 10th  
 ST.  
 SUITE 100  
 DENVER, CO 80202  
 (303) 733-1111  
 WWW.SDGI.COM

8/23/99



\$\$\$SYTIME\$\$\$\$\$  
 \$\$\$LAYOUT\$\$\$\$\$  
 \$\$\$DATE\$\$\$\$\$  
 \$\$\$USER\$\$\$\$\$  
 \$\$\$PROJECT\$\$\$\$\$  
 \$\$\$SHEET\$\$\$\$\$



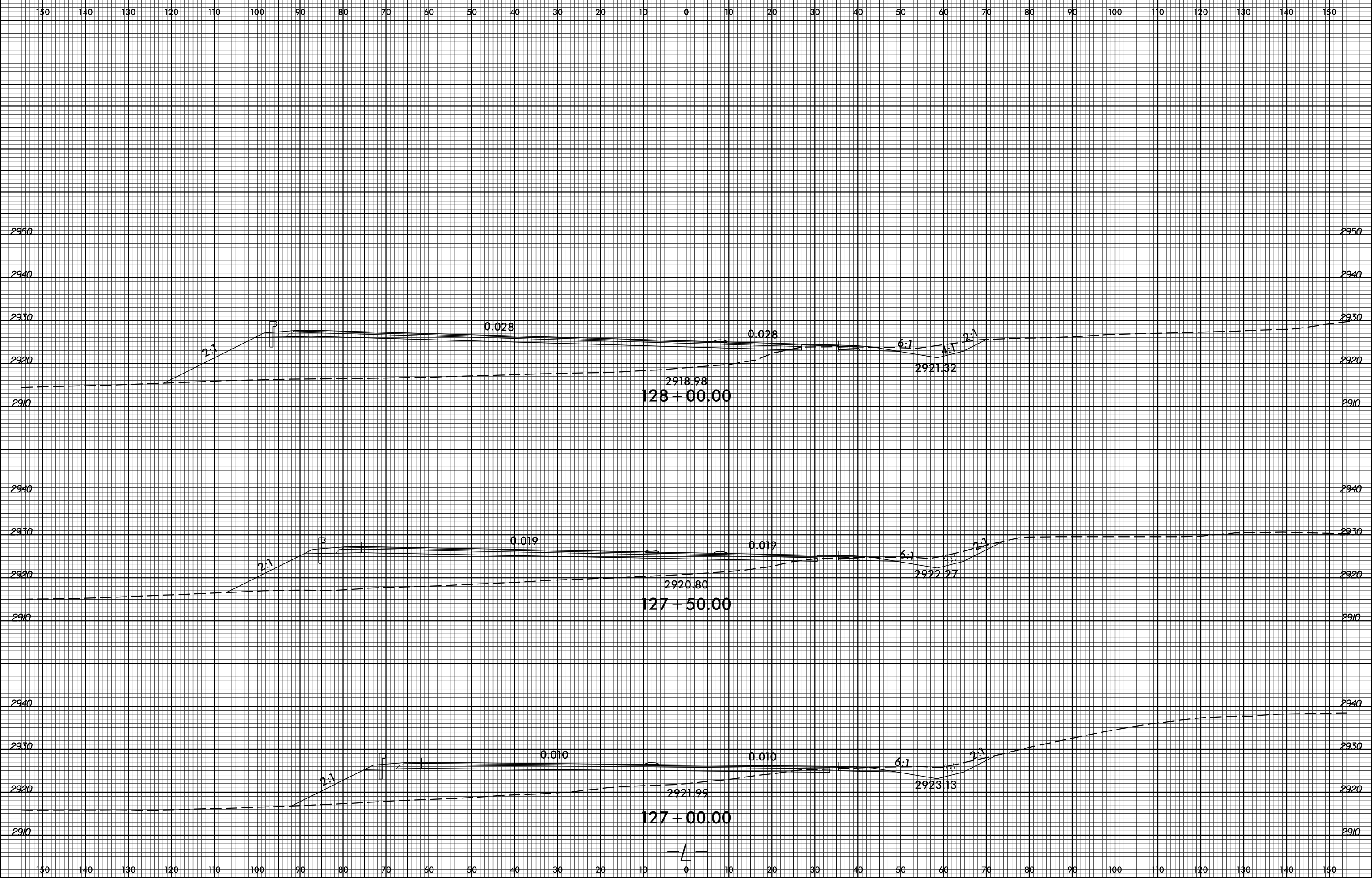
SYSTEMS  
SERVICES  
INCORPORATED



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-131



SYSTEMS  
 CONSULTANTS  
 INC.

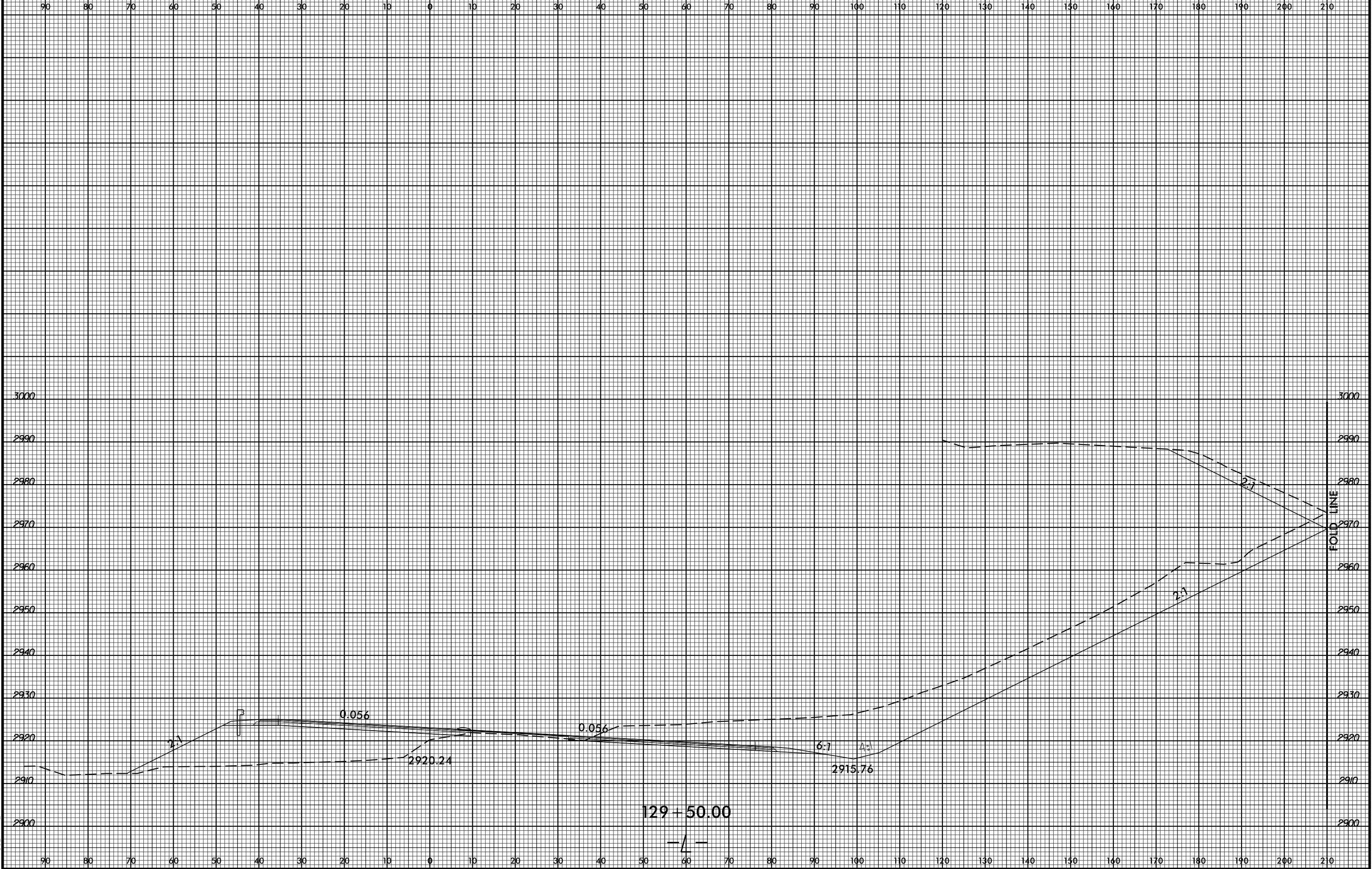


8/23/99



PROJ. REFERENCE NO.  
**R-2915A**

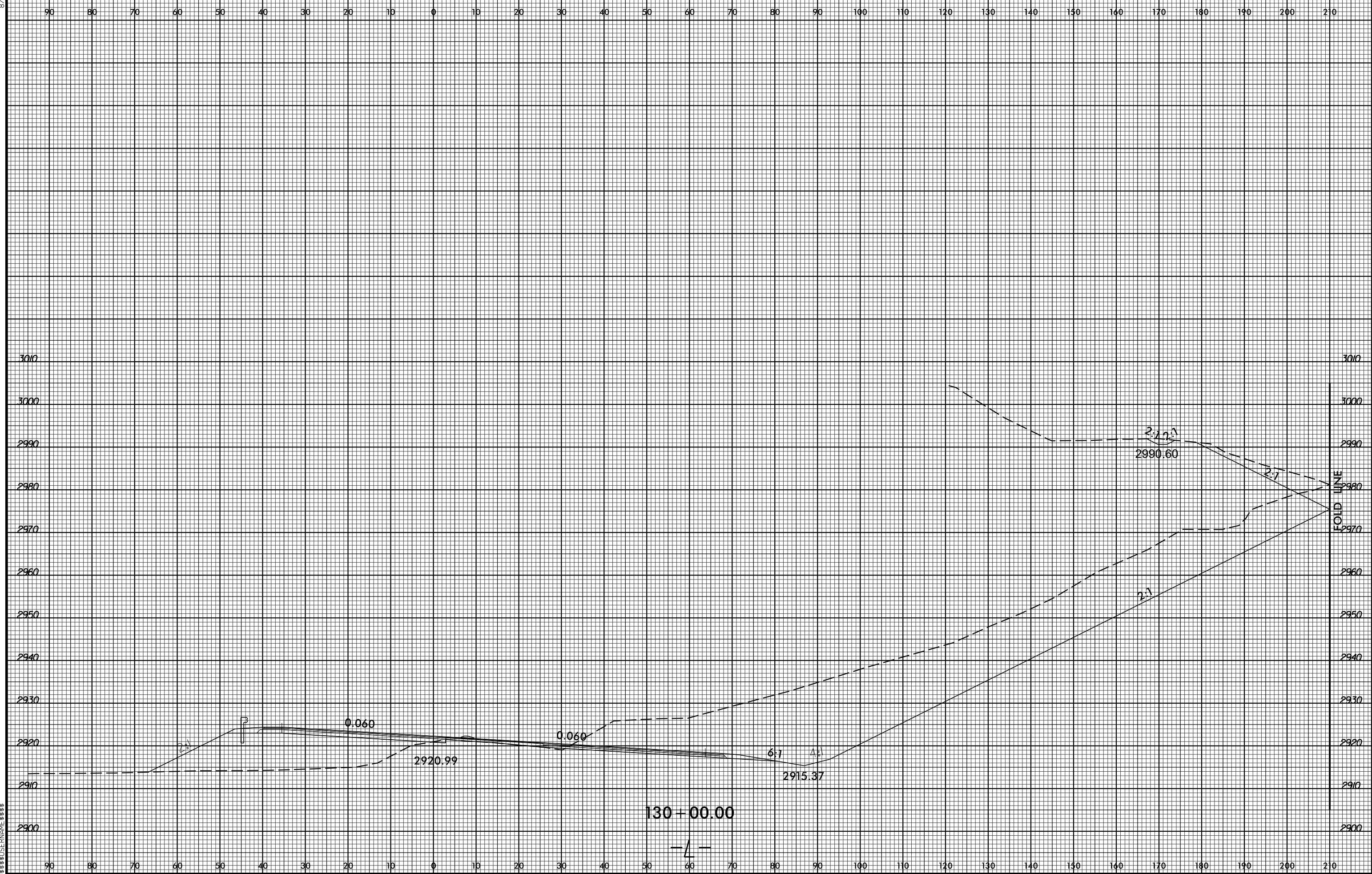
SHEET NO.  
**X-133**



8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-134

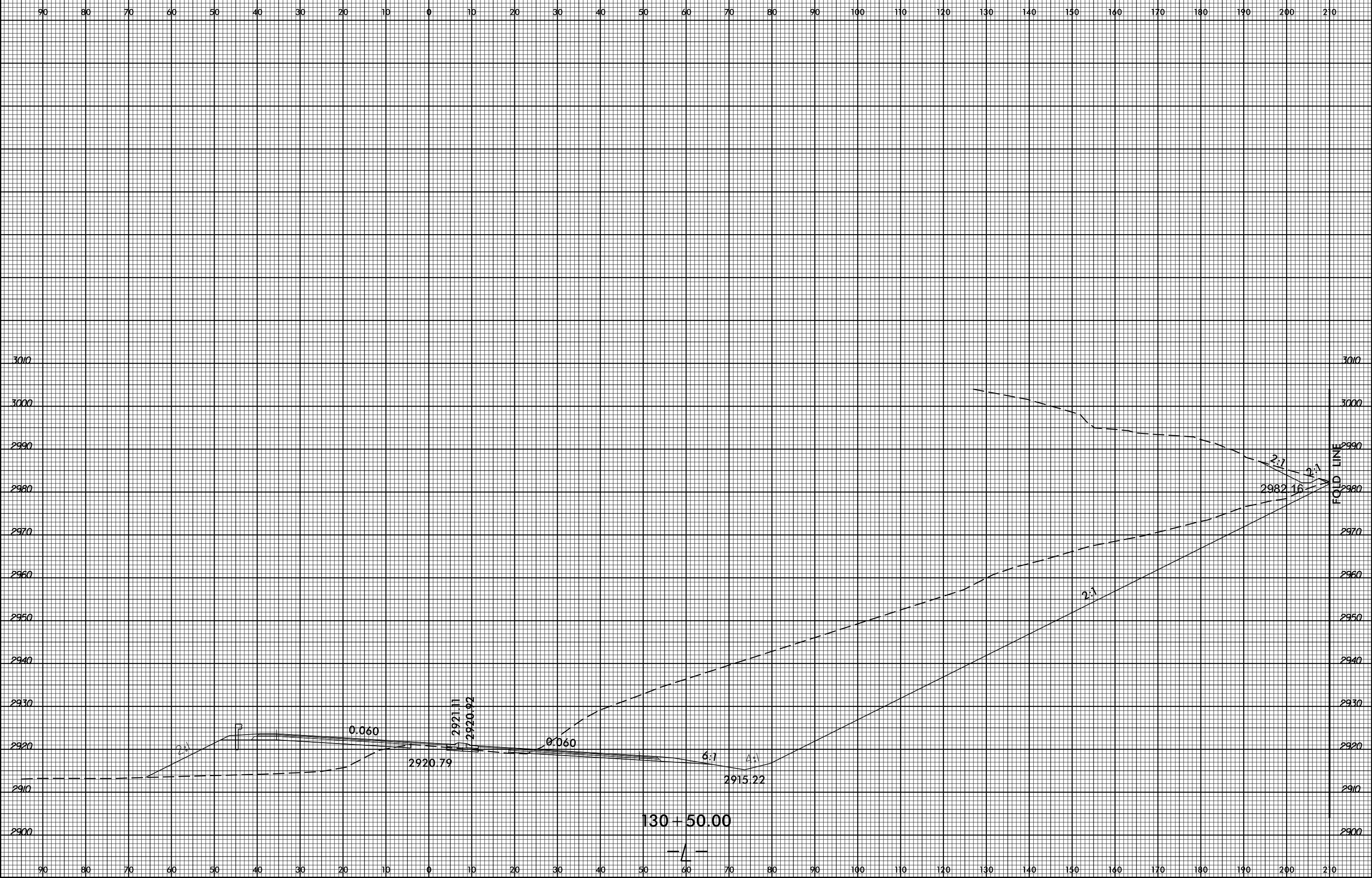


SYSTEMS  
SERVICES  
INCORPORATED

8/23/99

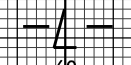


PROJ. REFERENCE NO. R-2915A SHEET NO. X-135

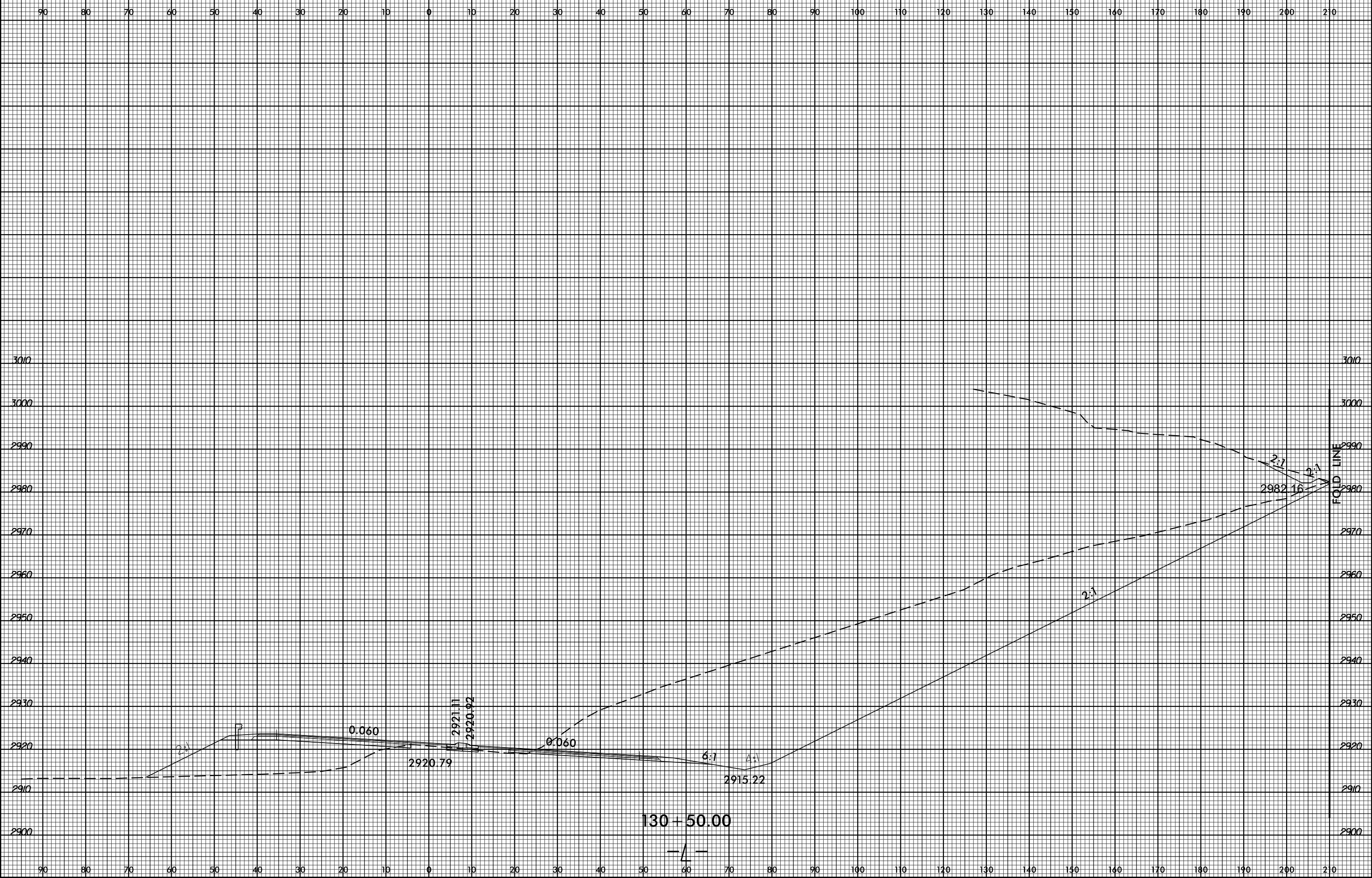


SYSTEMS  
SERVICES  
INCORPORATED

130 + 50.00



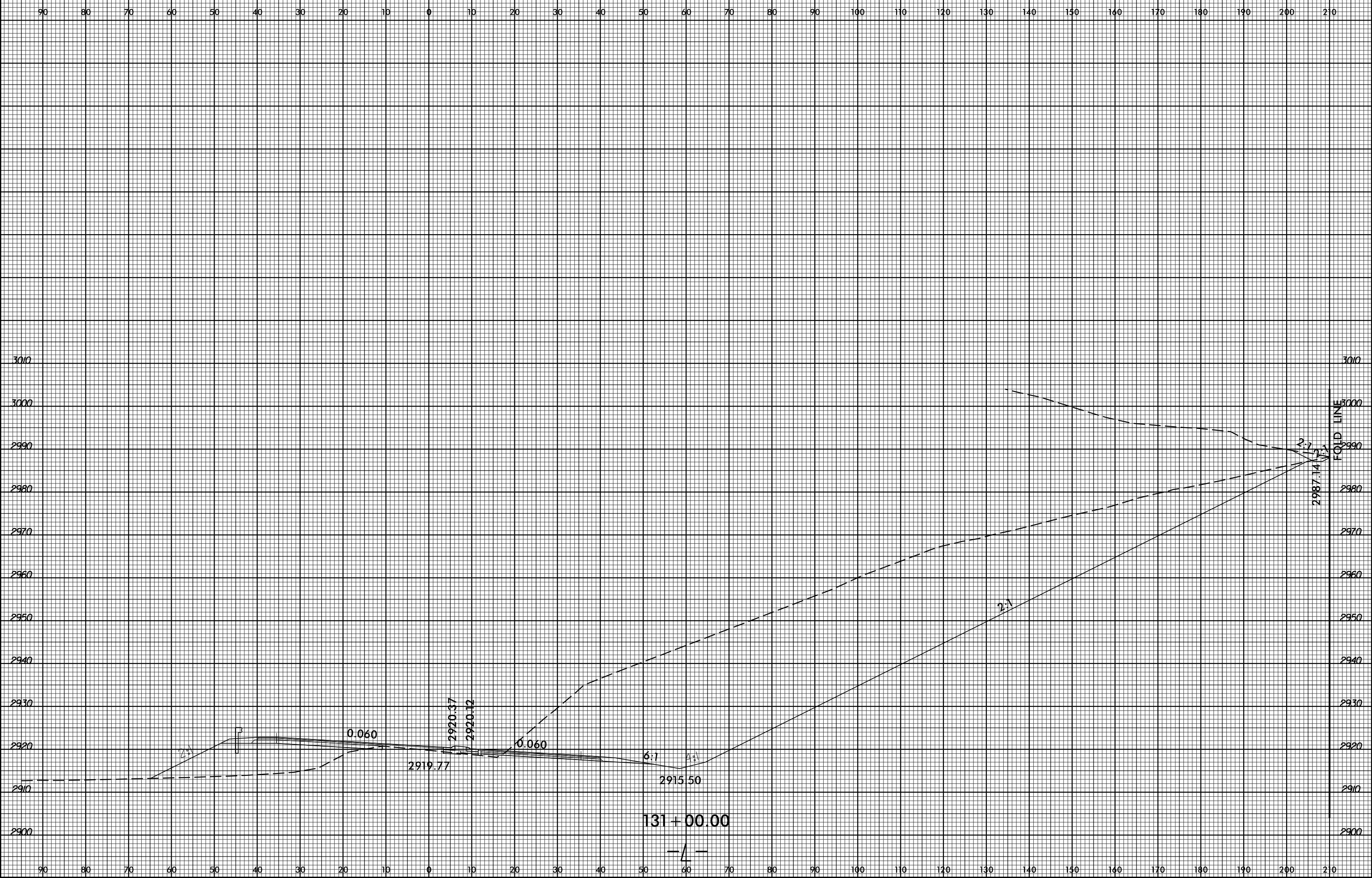
FOOT LINE



8/23/99



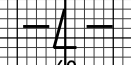
PROJ. REFERENCE NO. R-2915A SHEET NO. X-136



SYSTEMS  
SERVICES  
INCORPORATED

FOLD LINE

131 + 00.00



2919.77

2920.37  
2920.12

0.060

6:1

2915.50

2:1

2:1

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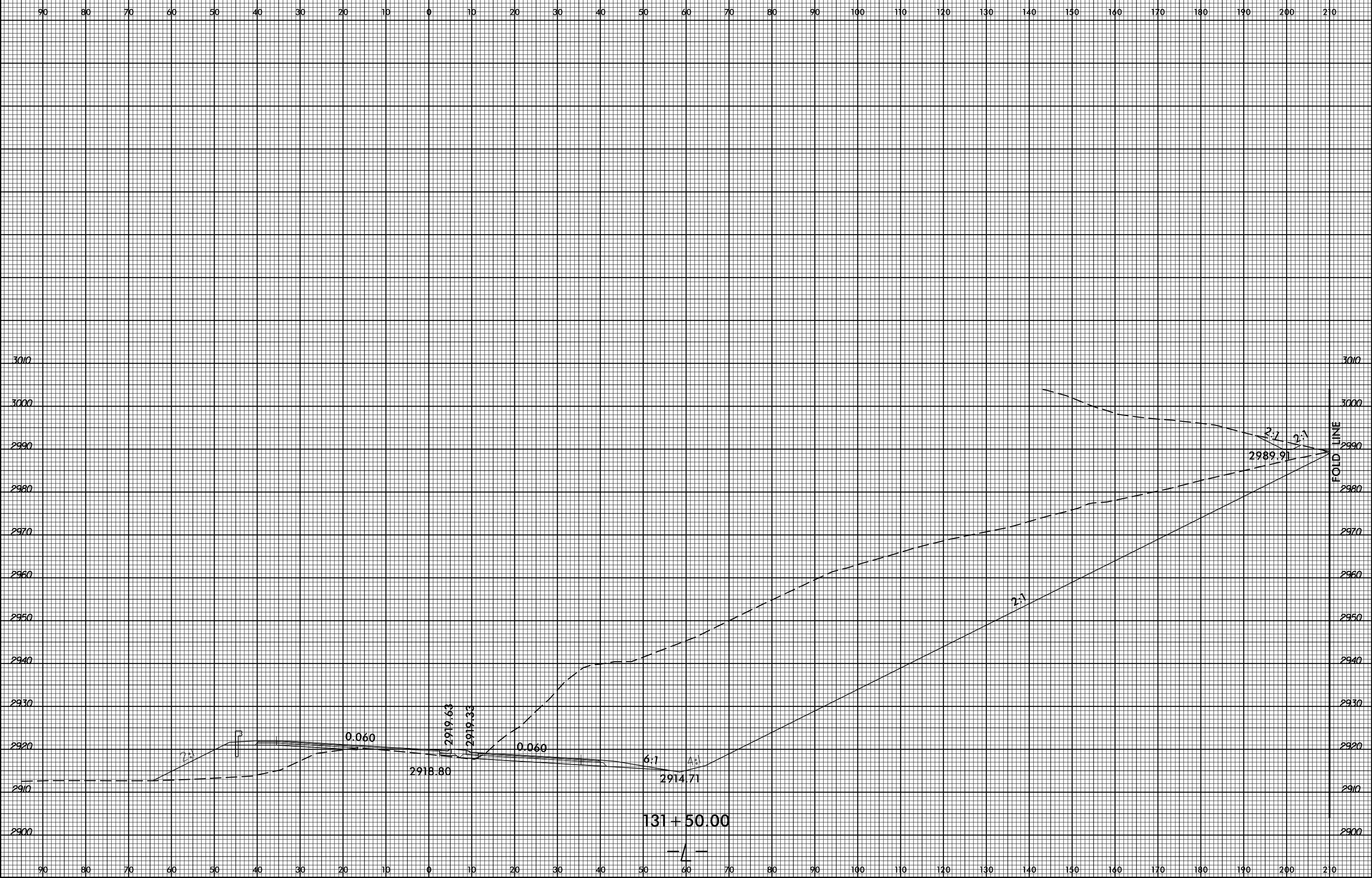
200

210

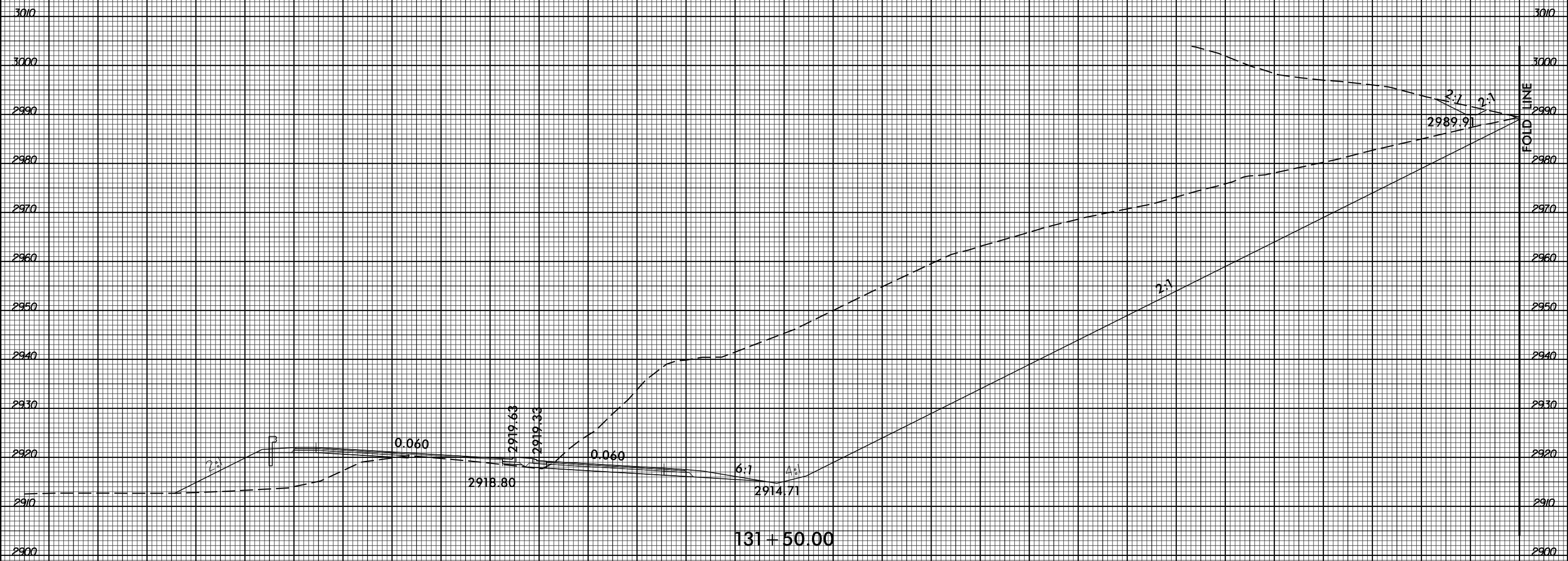
8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-137



SYSTEMS  
DESIGN  
INC.



90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210

3010 3000 2990 2980 2970 2960 2950 2940 2930 2920 2910 2900

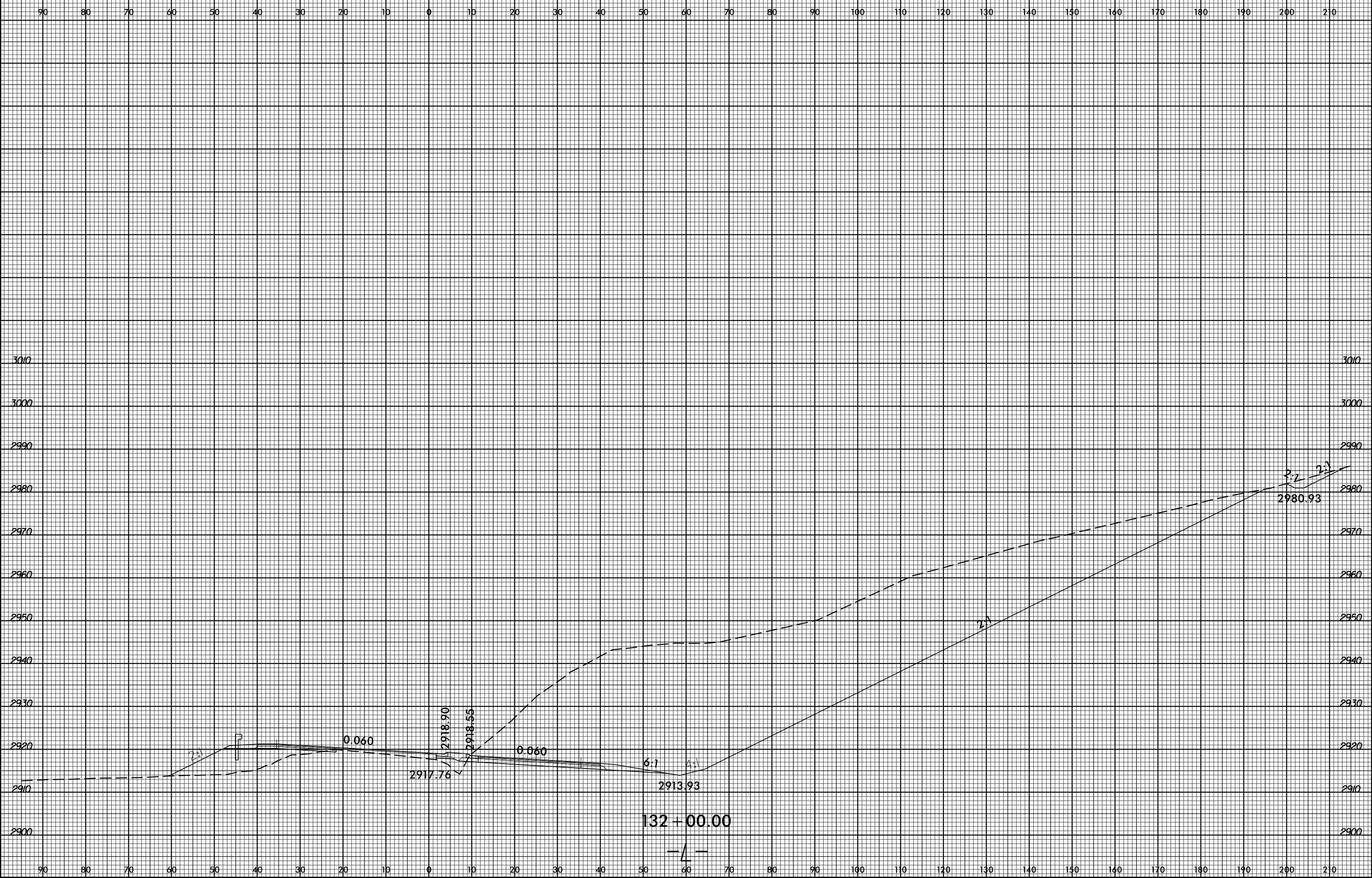
FOLD LINE

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-138



SYSTEMS  
DESIGN  
CONSULTANTS

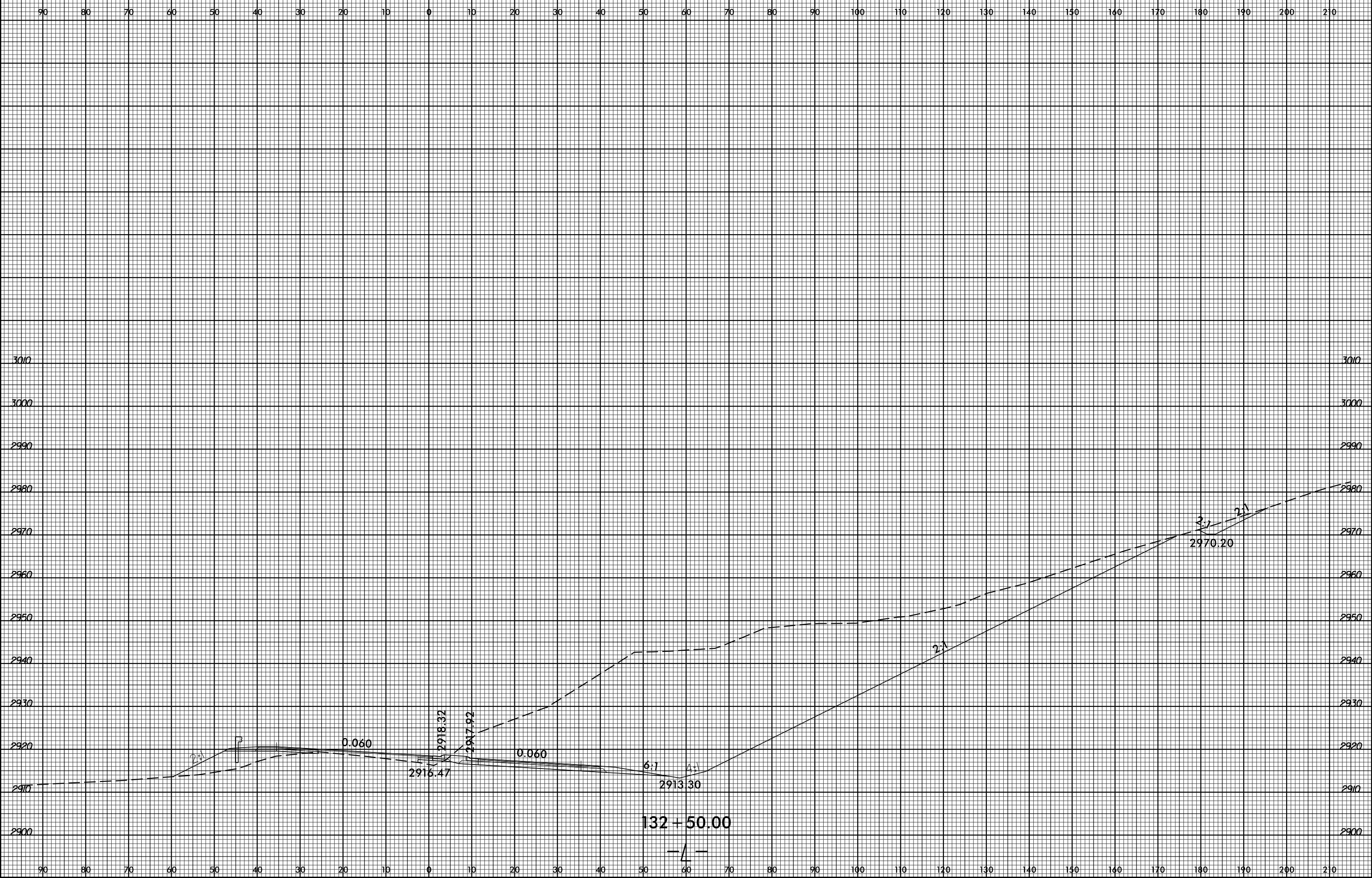


8/23/99



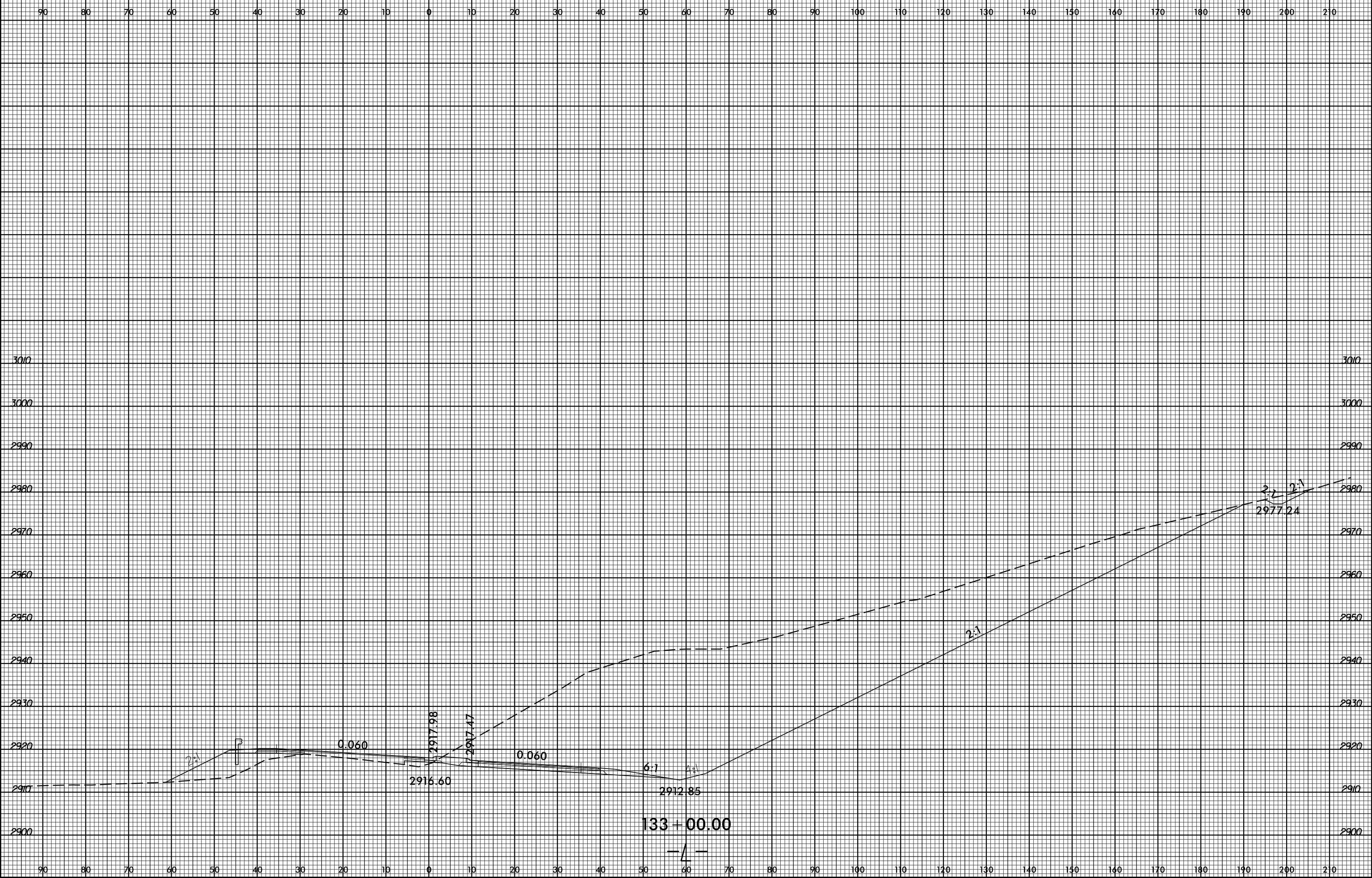
PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-139



SYSTEMS  
SERVICES  
INCORPORATED

8/23/99



SYSTEMS  
DESIGN  
CONSULTANTS

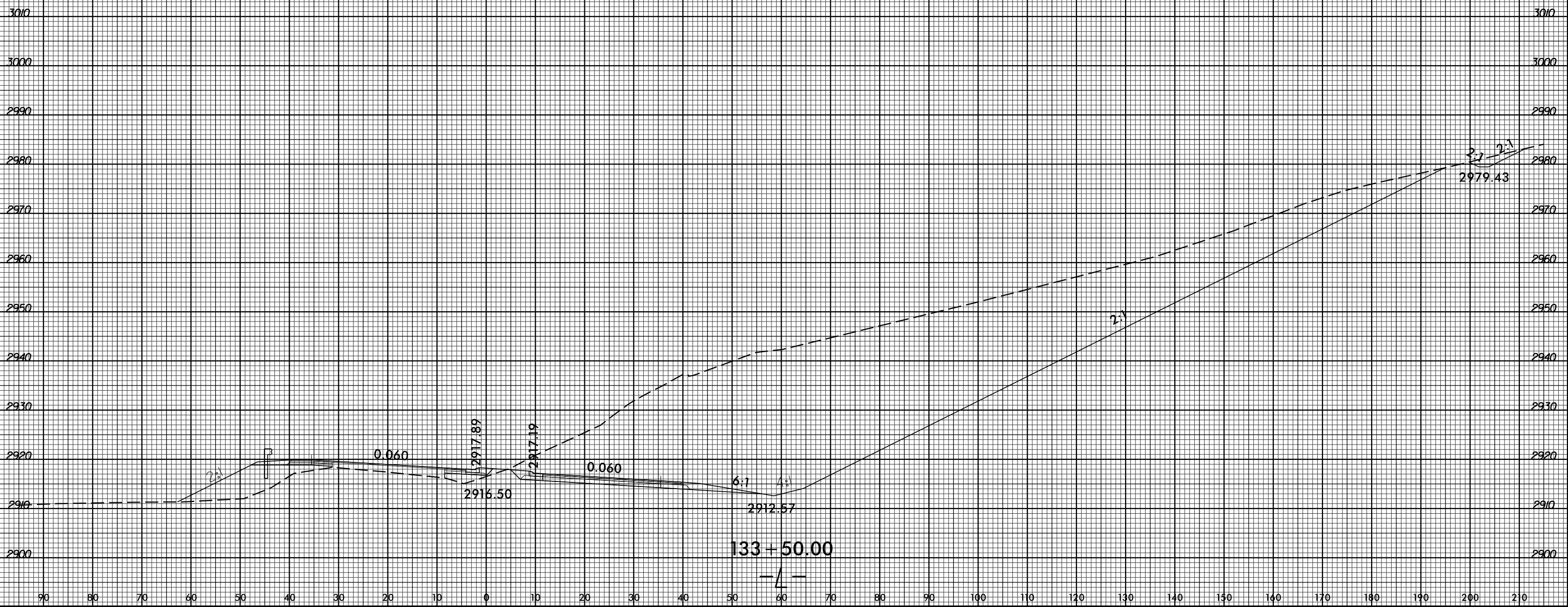
8/23/99

0 5 10

PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-141

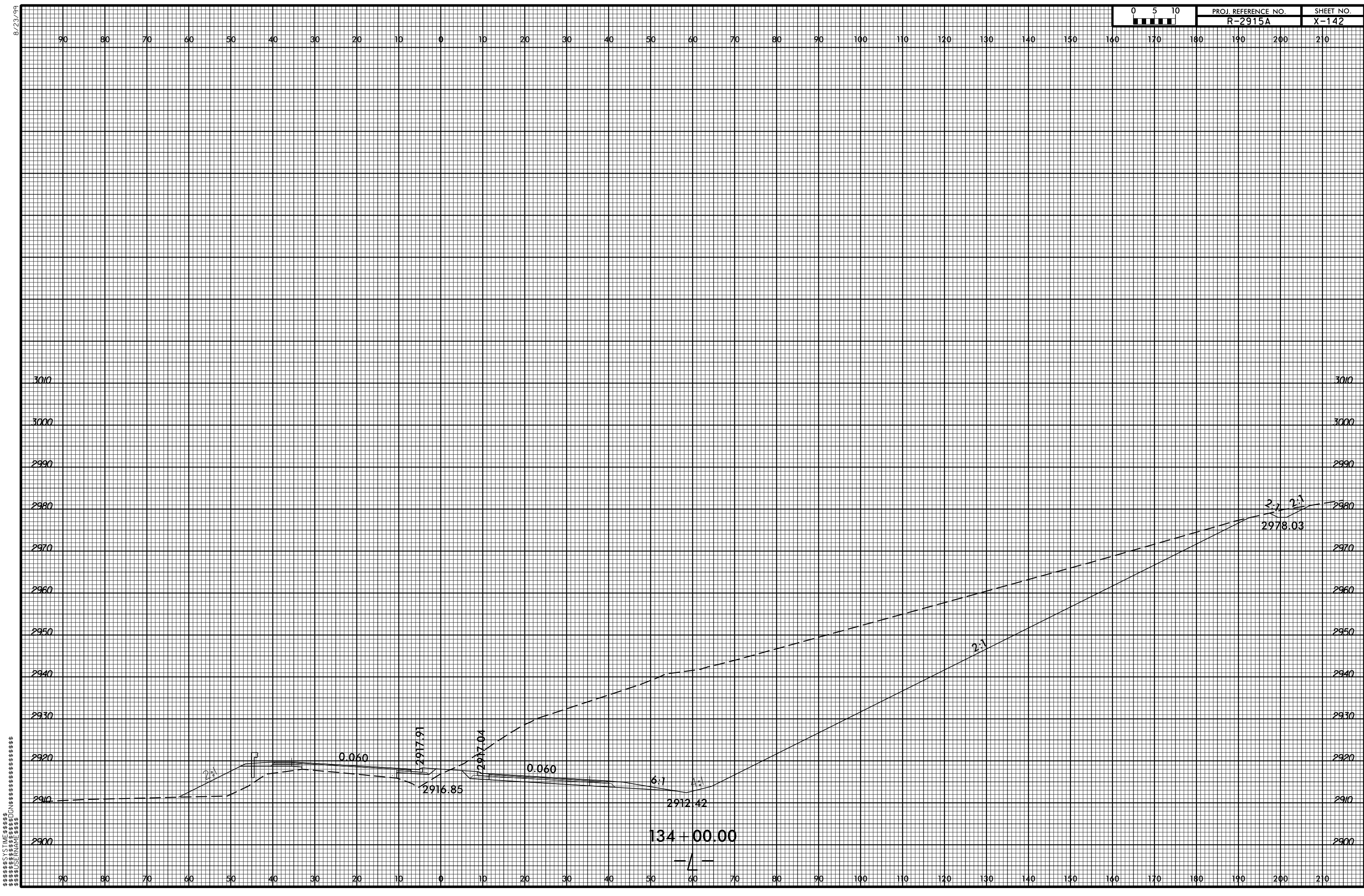
90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210



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8/23/99

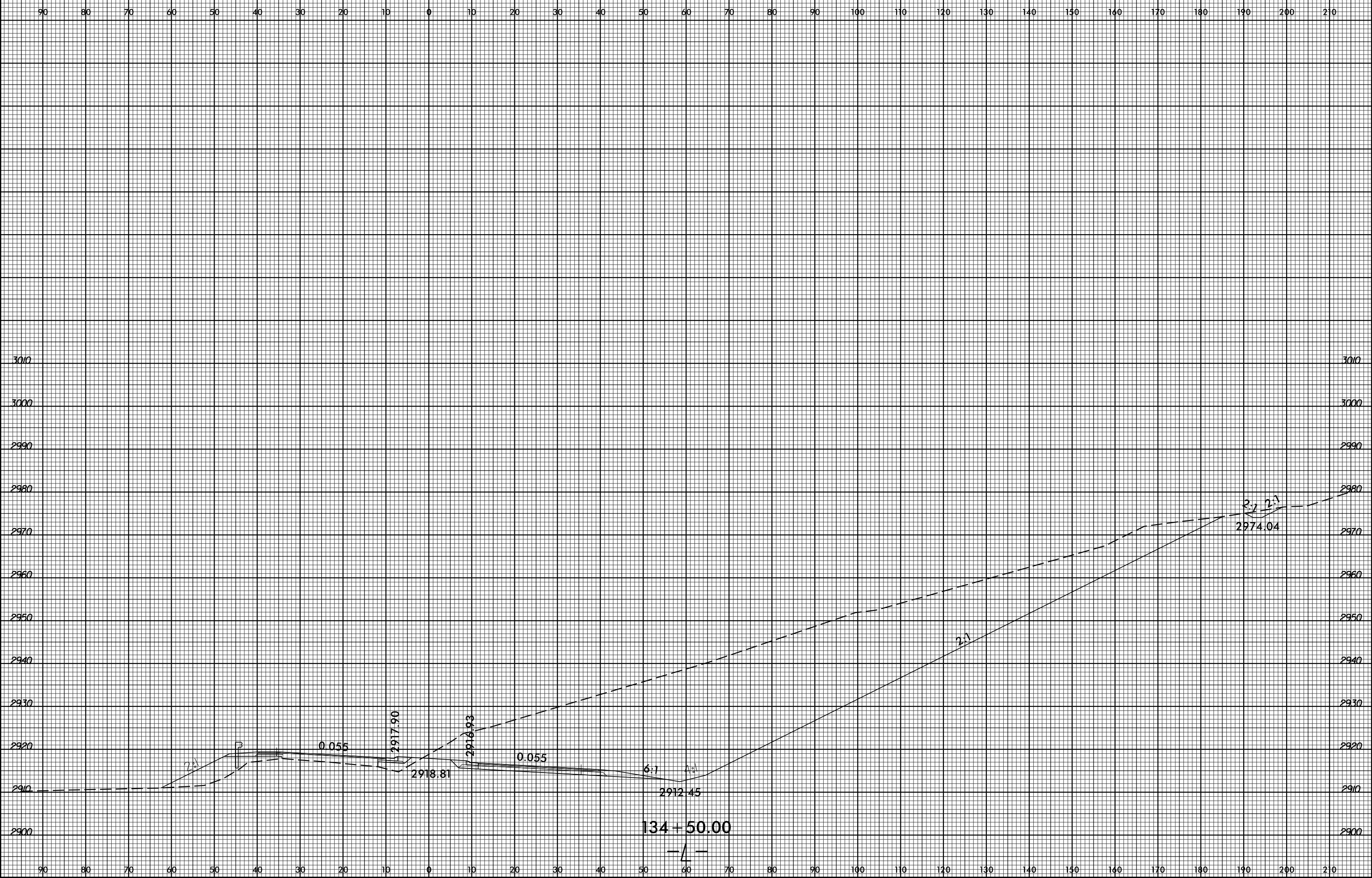
0 5 10  
PROJ. REFERENCE NO. R-2915A SHEET NO. X-142



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-143

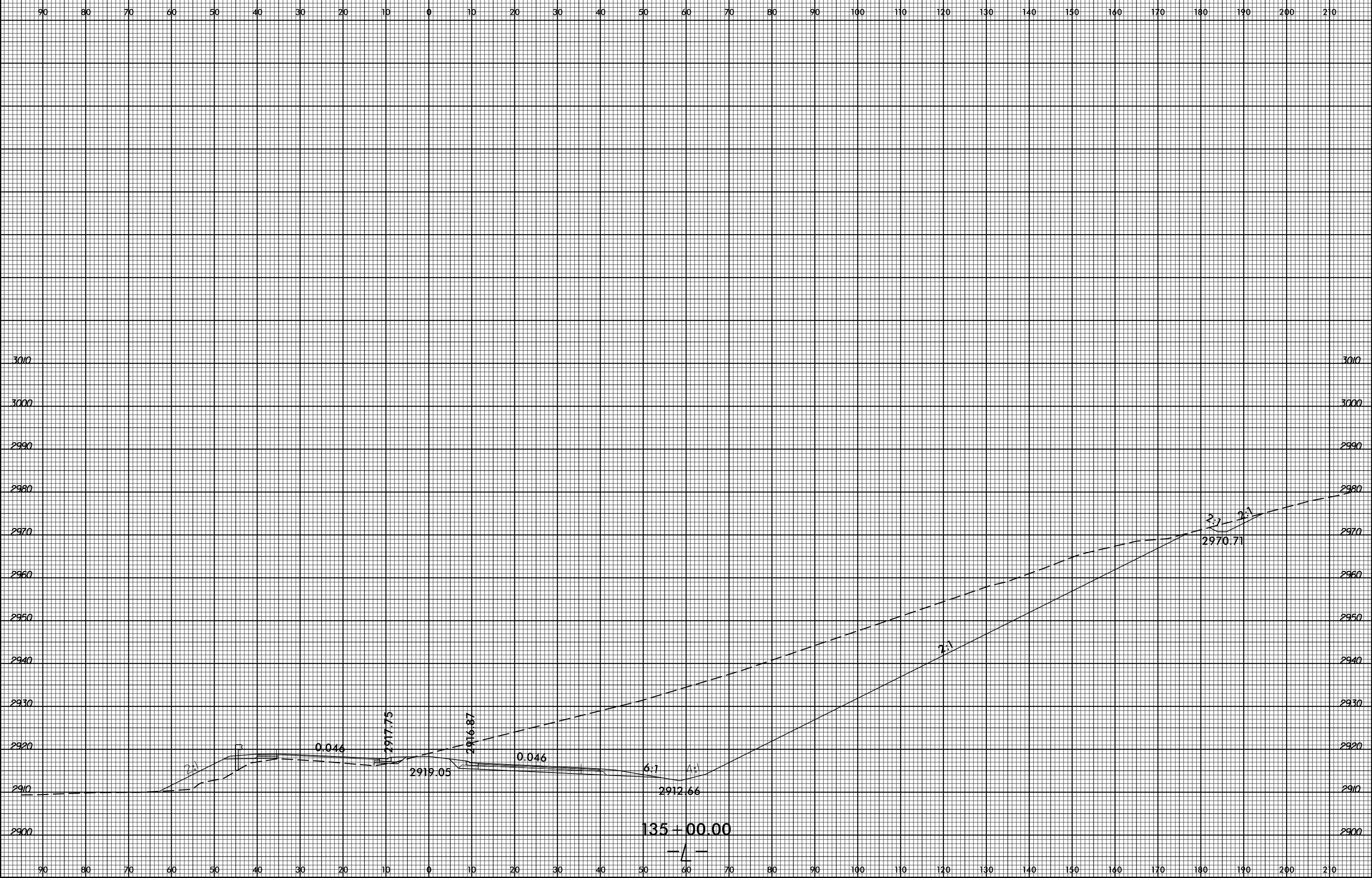


SYSTEMS  
DESIGN  
INC.

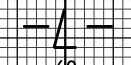
8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-144



135+00.00



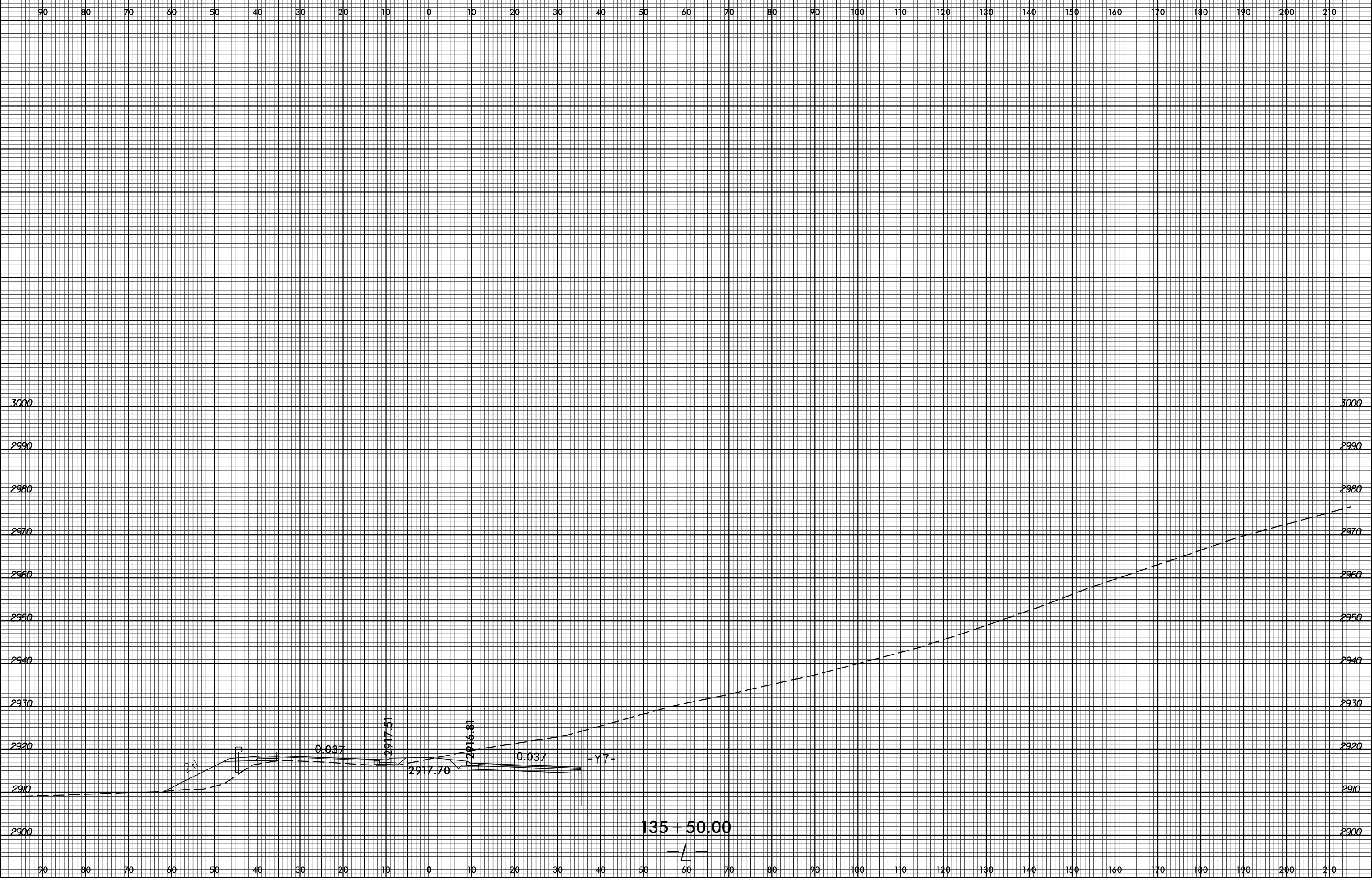
SYSTEMS  
SERVICES  
CONSULTANTS

Station	Profile Elevation	Grade Elevation	Slope
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110	2910	2910	
120	2910	2910	
130	2910	2910	
140	2910	2910	
150	2910	2910	
160	2910	2910	
170	2910	2910	
180	2910	2910	
190	2910	2910	
200	2910	2910	
210	2910	2910	

8/23/99

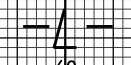


PROJ. REFERENCE NO. R-2915A SHEET NO. X-145

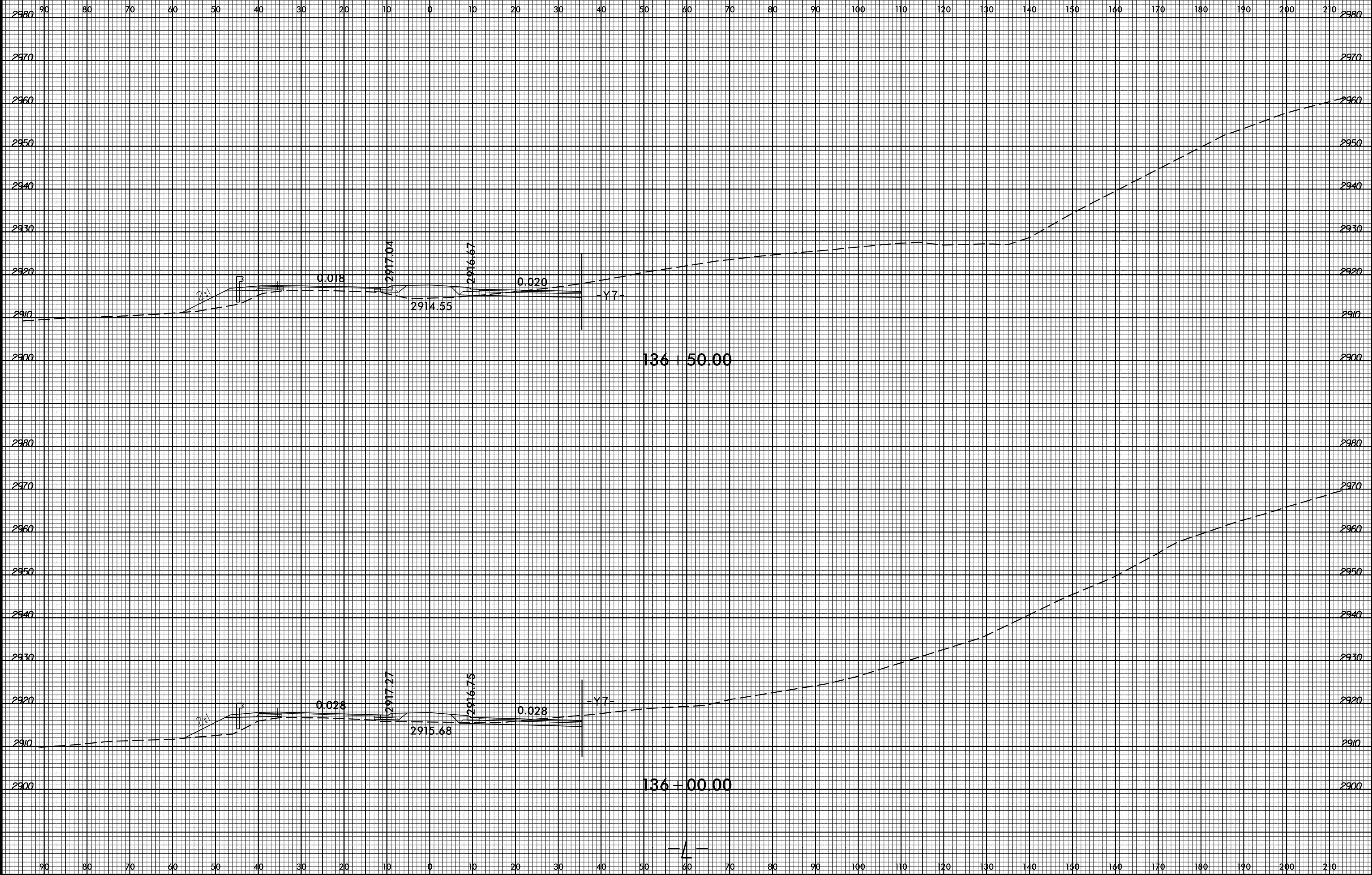


SYSTEMS  
CONSULTANTS  
INCORPORATED

135 + 50.00



8/23/99



SYSTEMS

—L—

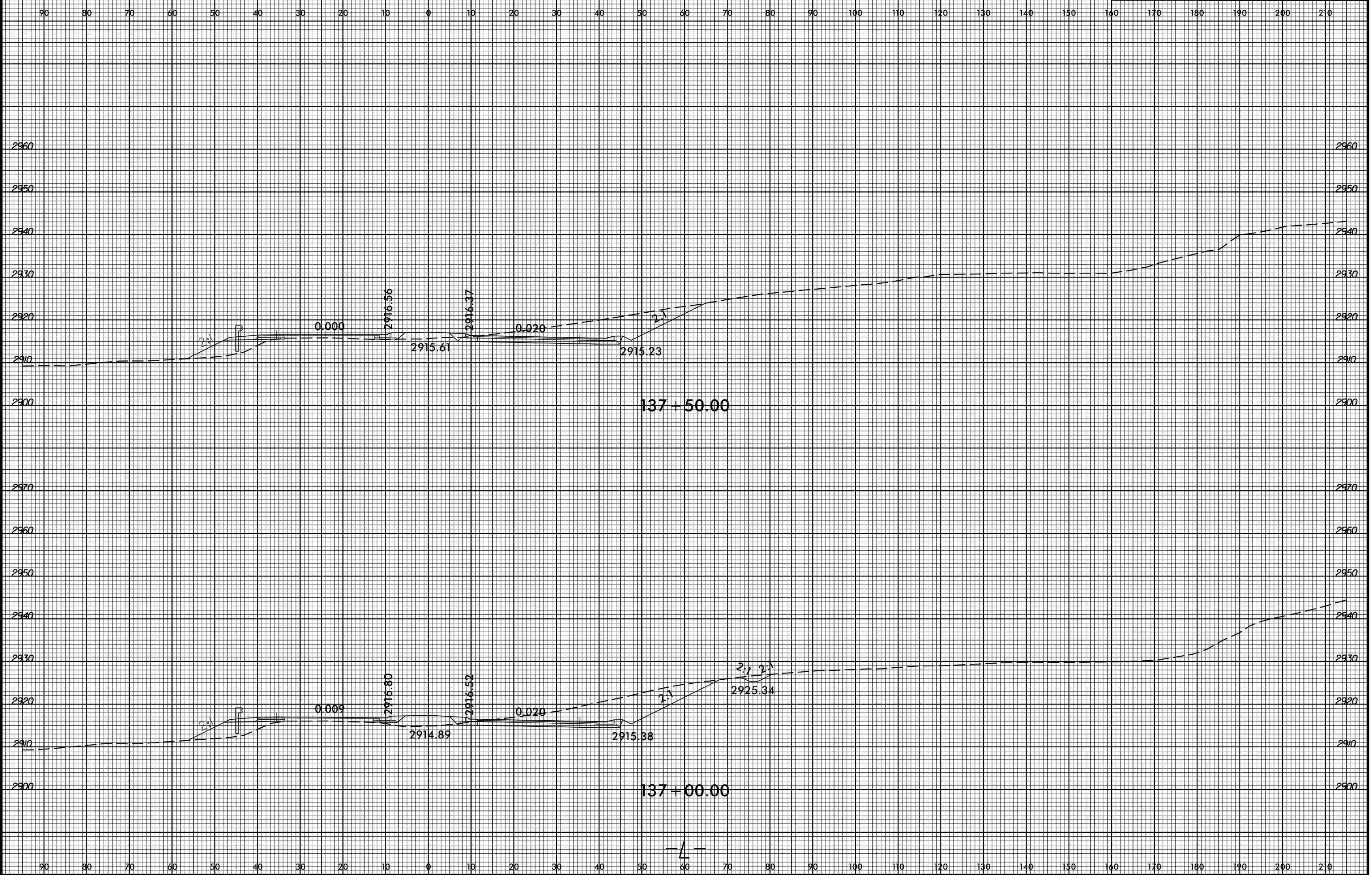


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-147

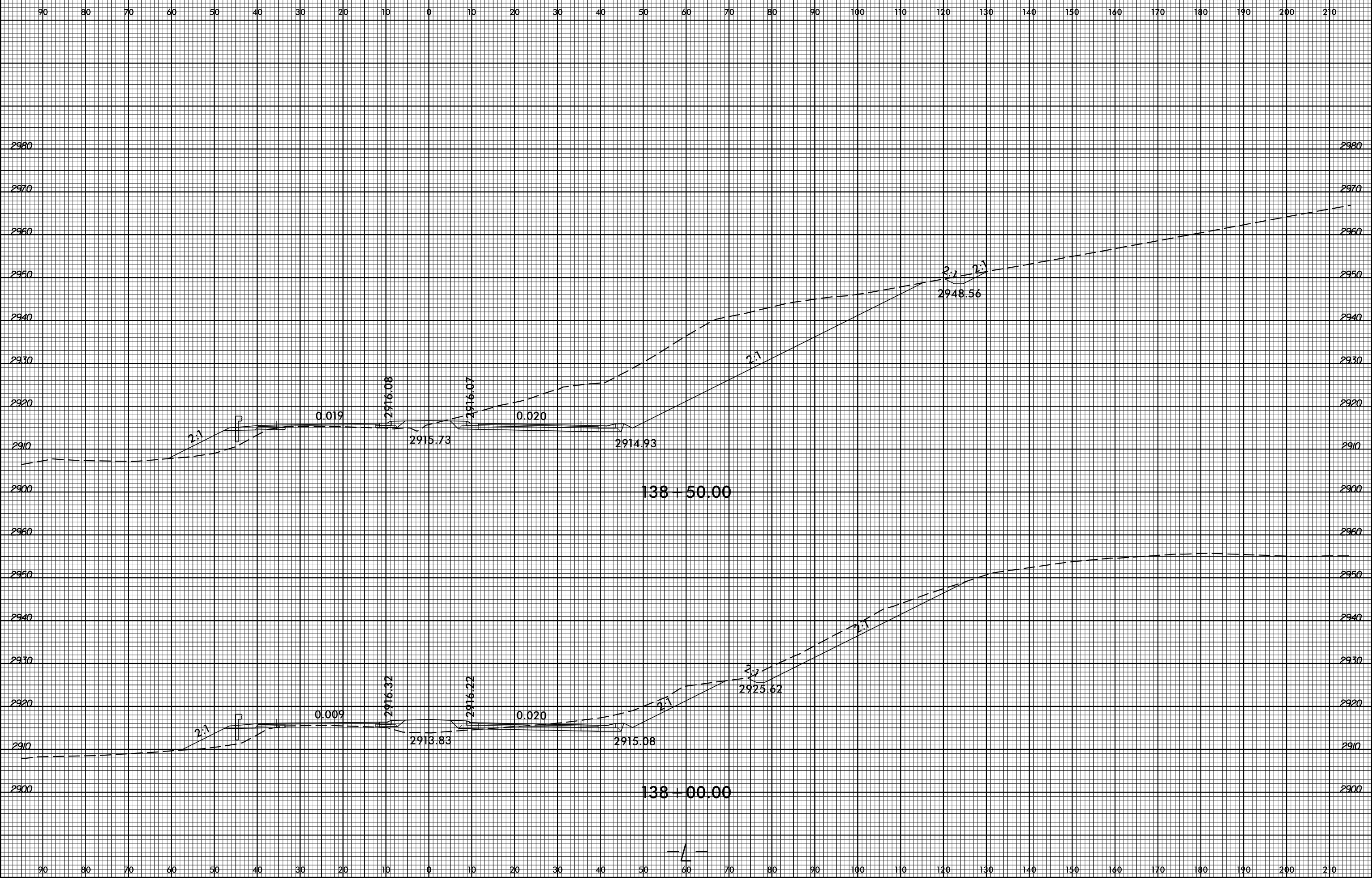


SYSTEMS  
SERVICES  
CORPORATION

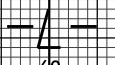
8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-148



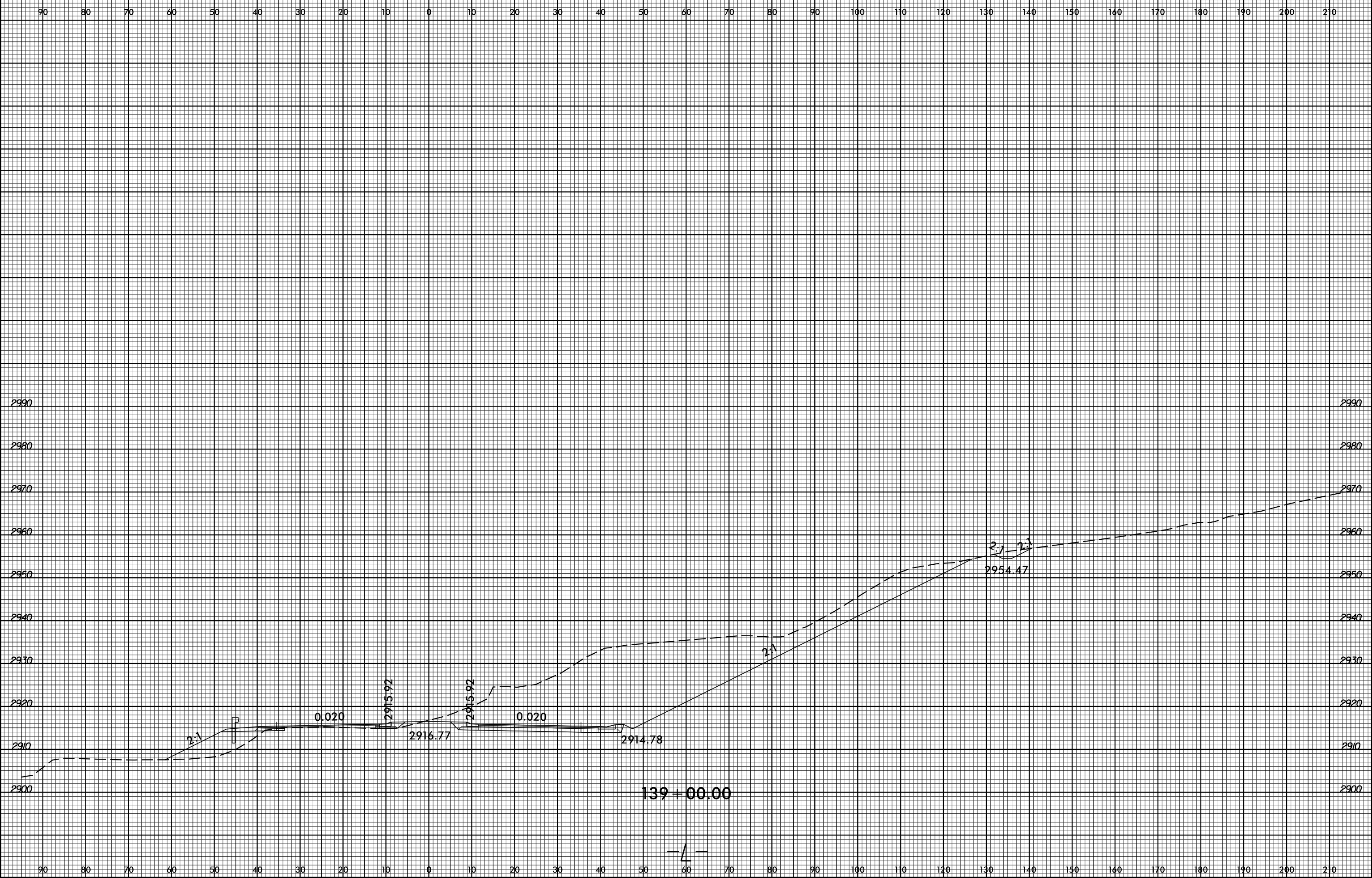
SYSTEMS



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-149



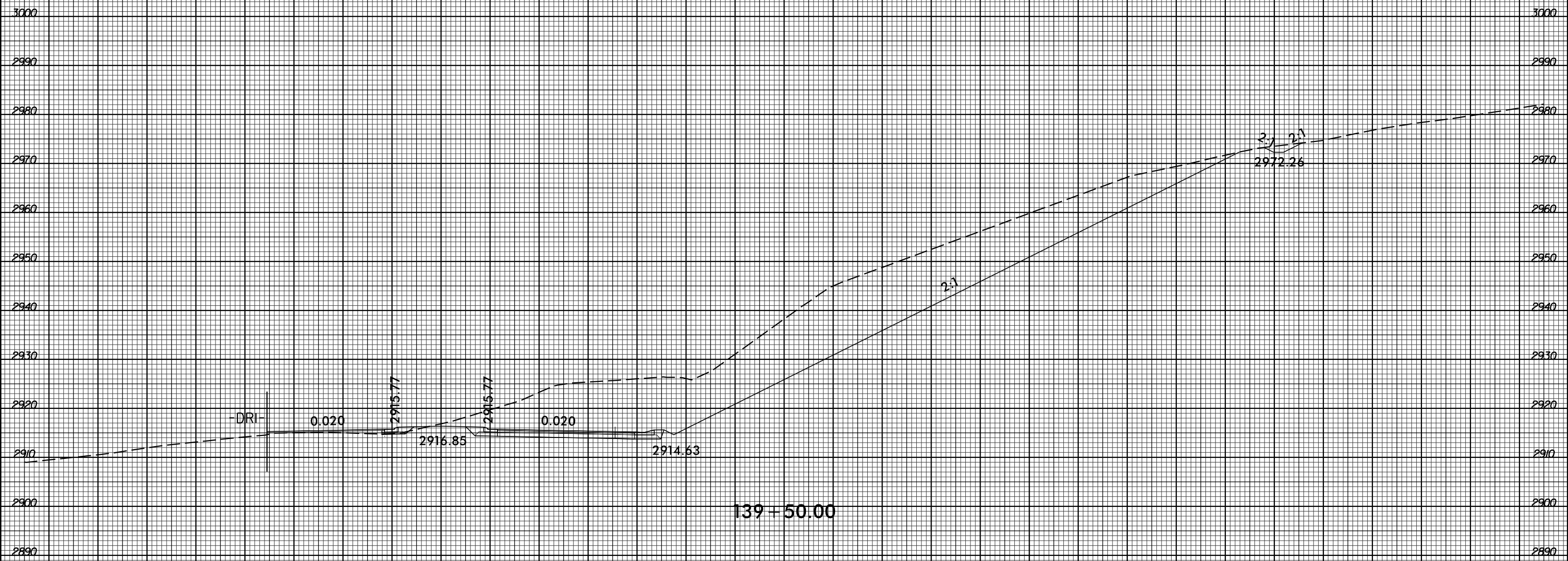
SYSTEMS  
SERVICES  
INCORPORATED

8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-150

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220



SYSTEMS  
DESIGN  
INC.

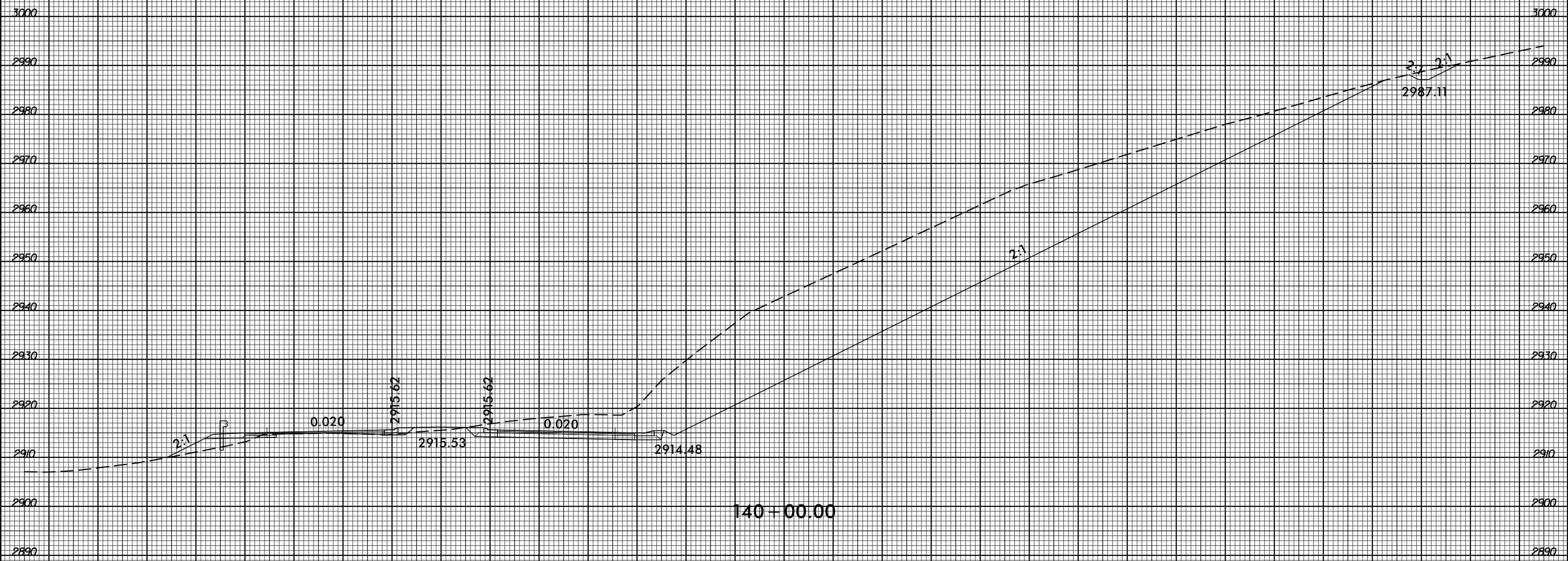
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220

8/23/99

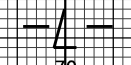


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-151

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220



SYSTEMS  
 CONSULTING  
 ENGINEERS

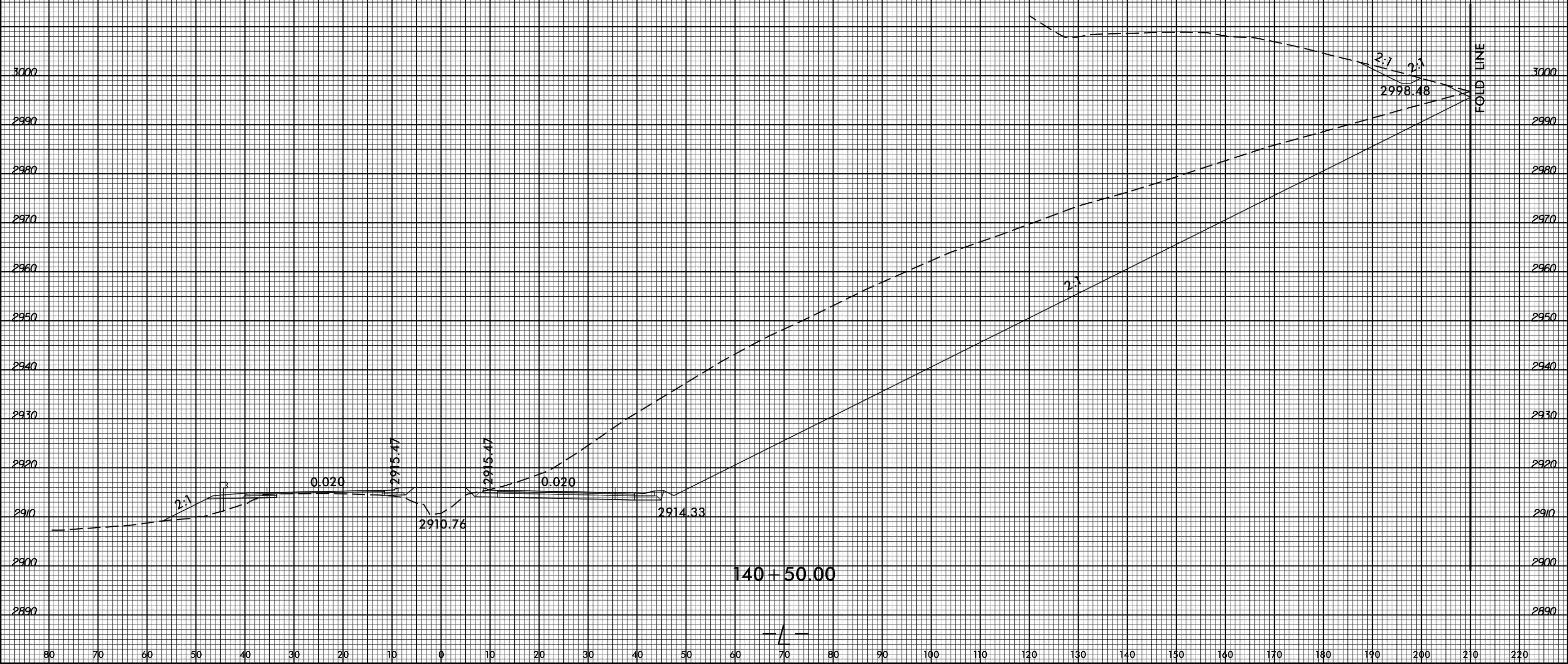


8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-152

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 140 170 180 190 200 210 220

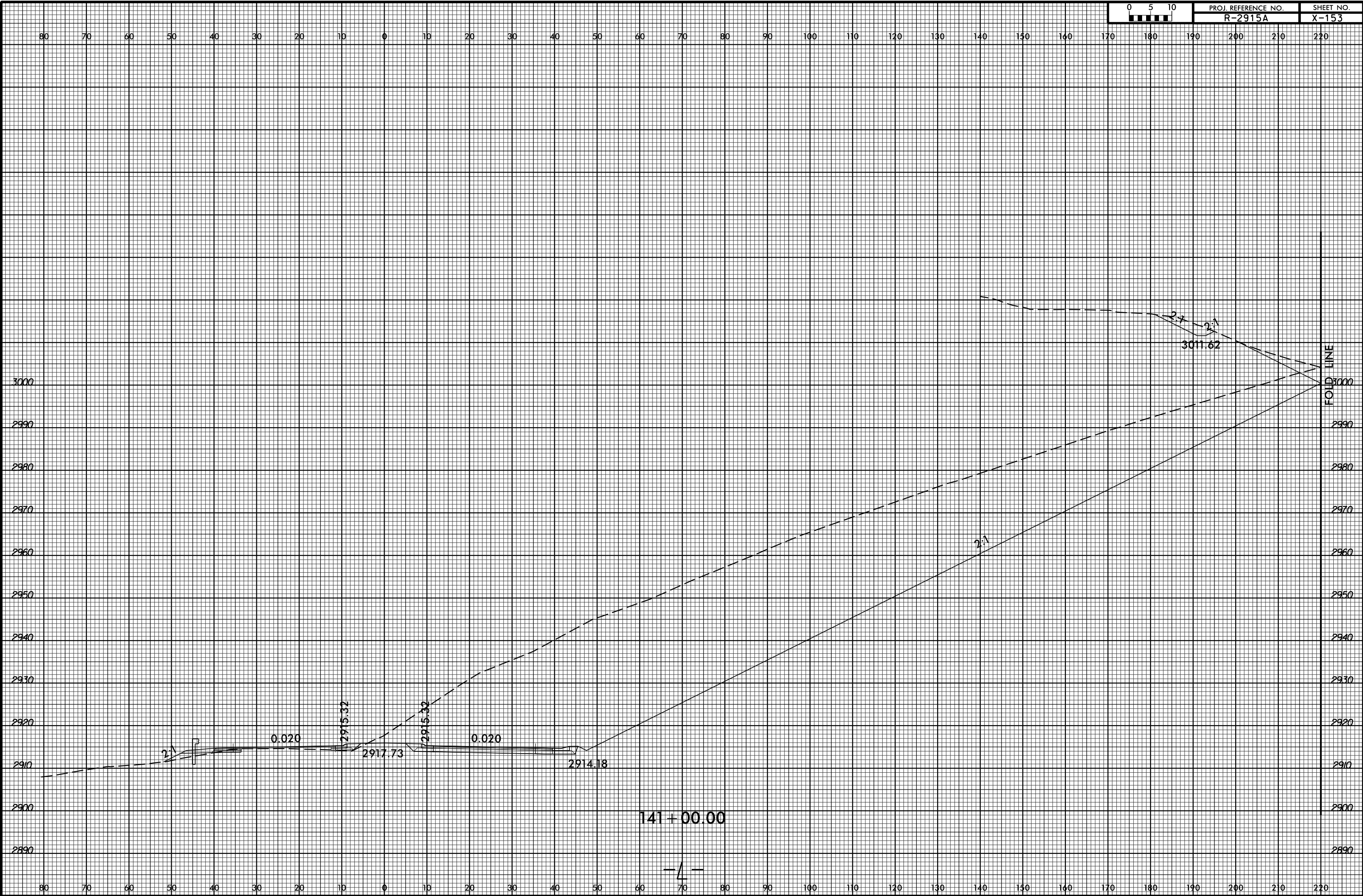


SYSTEMS  
SERVICES  
CORPORATION

8/23/99

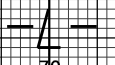


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-153

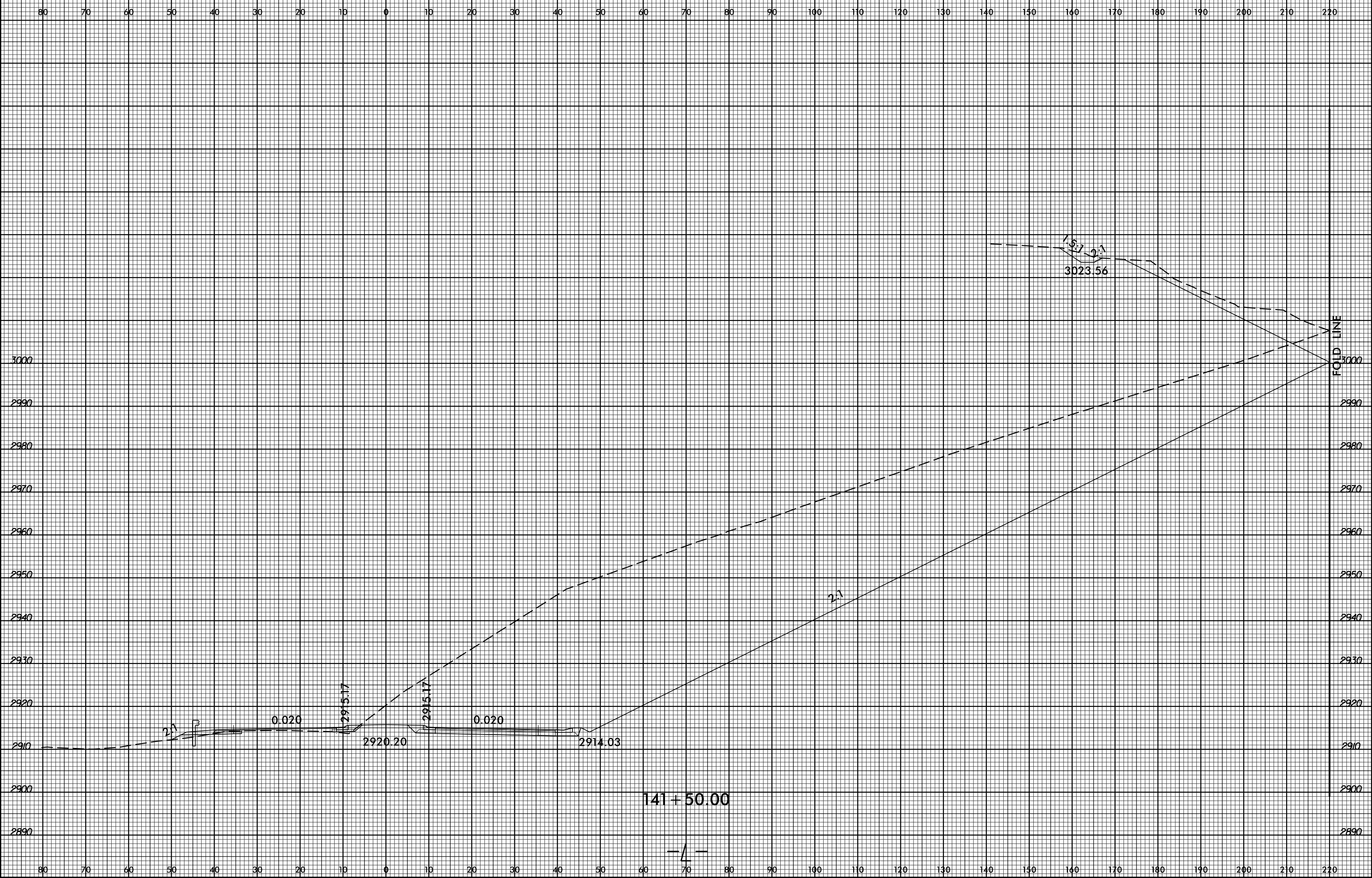


SYSTEMS  
 DESIGN  
 GROUP  
 INC.  
 1000  
 W. 100th  
 Ave.  
 Suite 100  
 Denver, CO 80202  
 Phone: 303.751.1000  
 Fax: 303.751.1001  
 www.systemsdesign.com

141 + 00.00



8/23/99



SYSTEMS  
SERVICES  
INC.



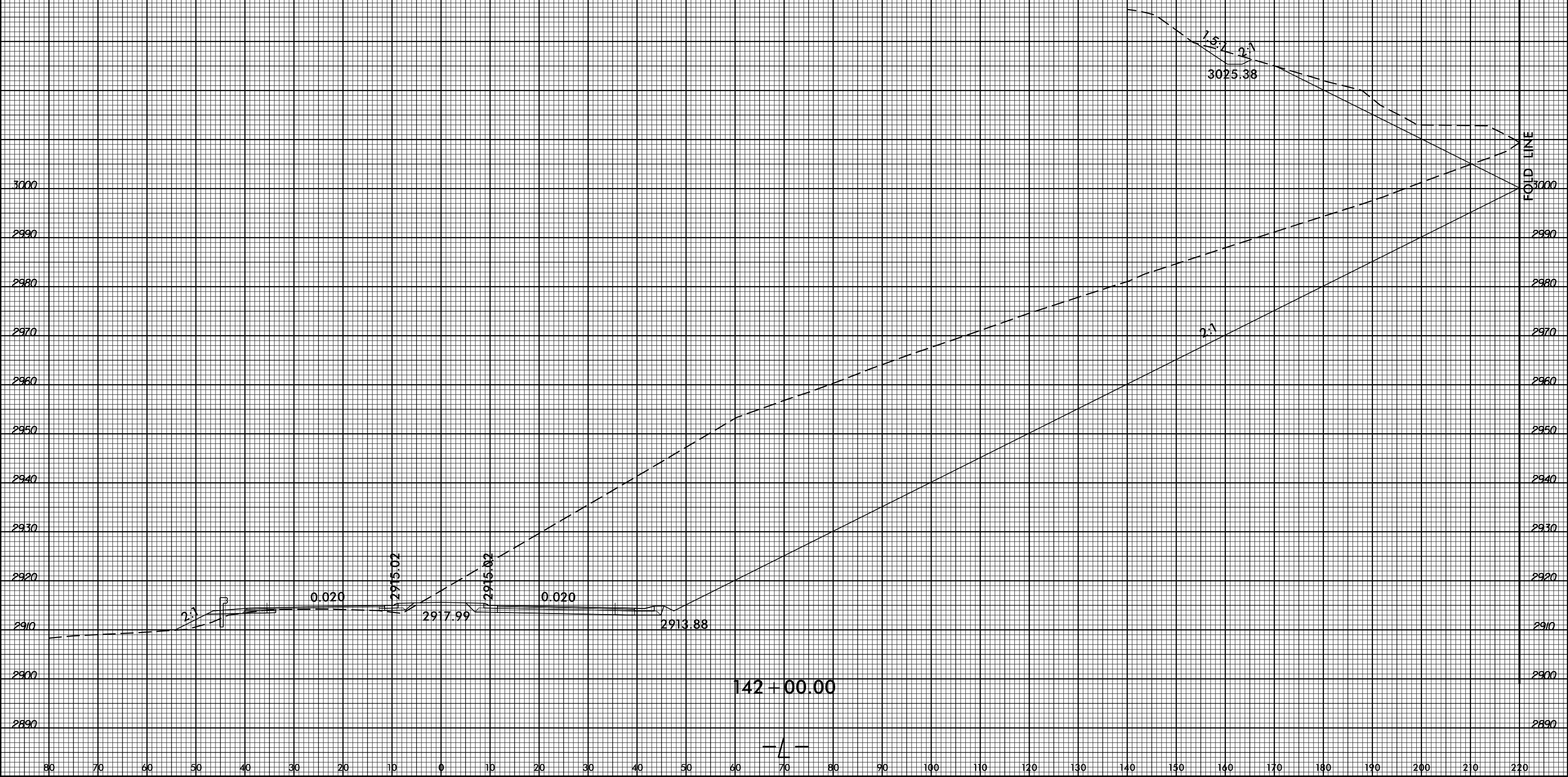
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-155

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 140 170 180 190 200 210 220



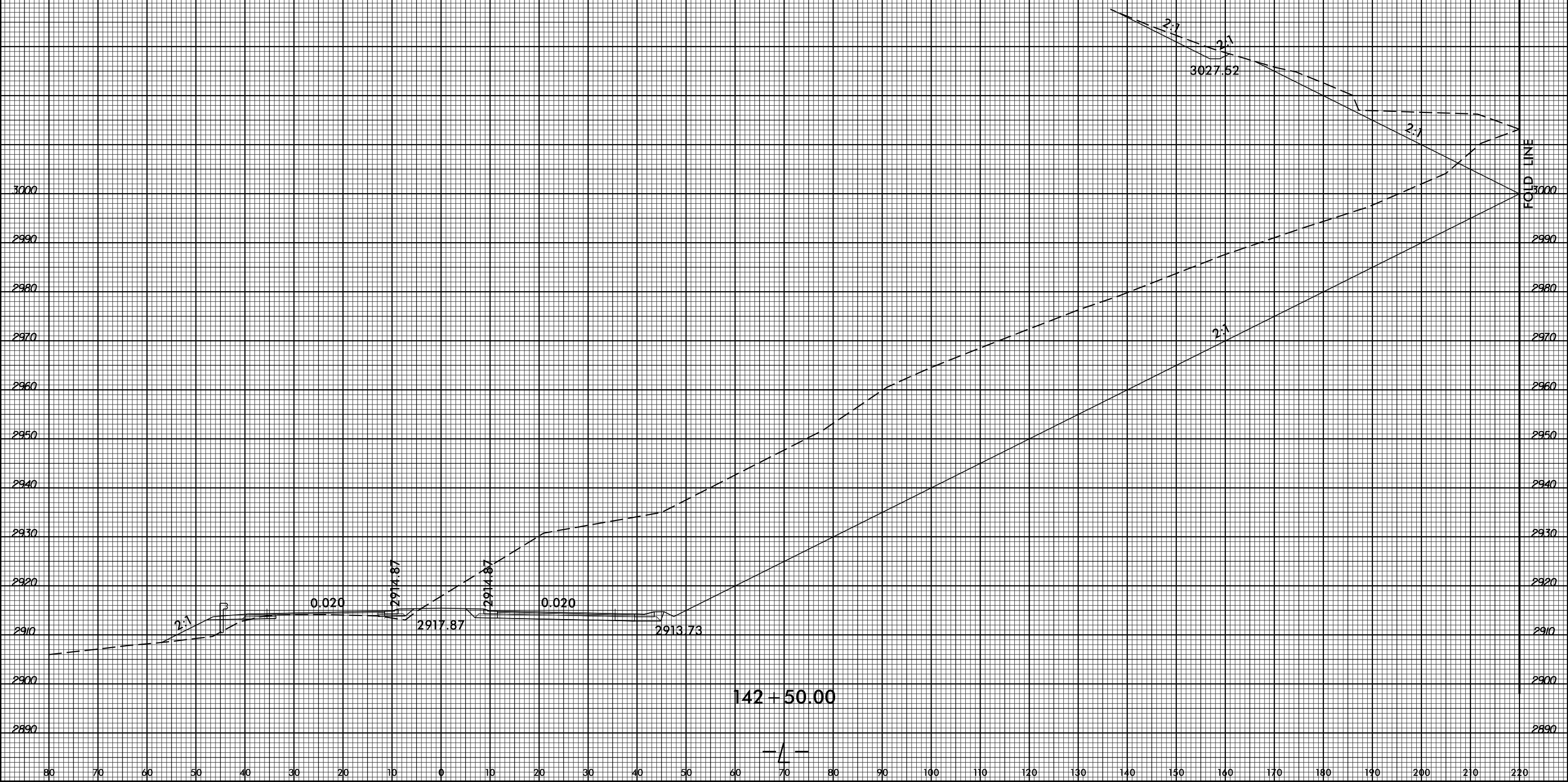
SYSTEMS  
DESIGN  
INC.

8/23/99



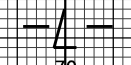
PROJ. REFERENCE NO. R-2915A SHEET NO. X-156

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 140 170 180 190 200 210 220



SYSTEMS  
SERVICES  
INC.

142 + 50.00



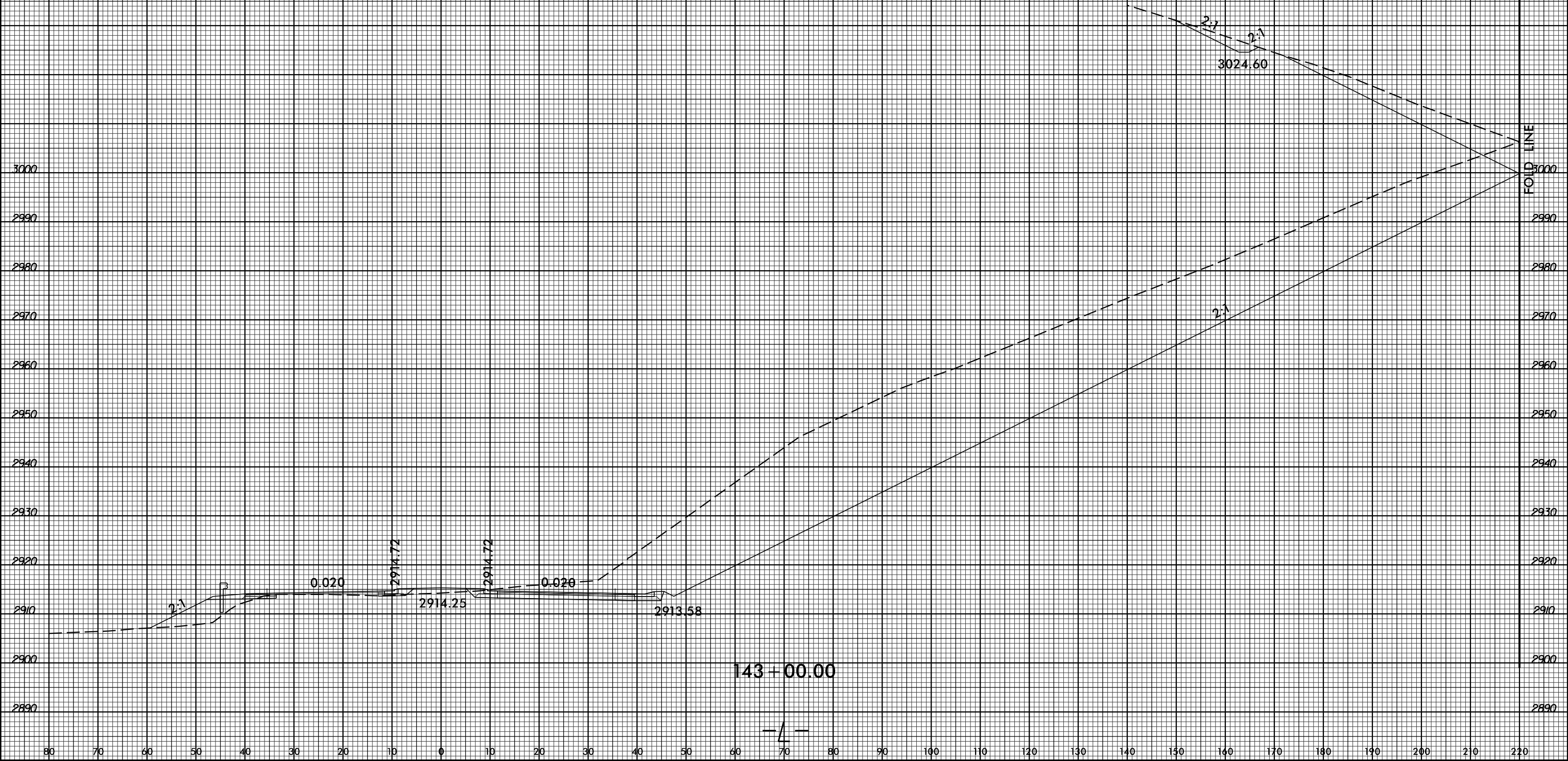
8/23/99



PROJ. REFERENCE NO.  
R-2915A

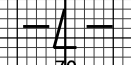
SHEET NO.  
X-157

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 140 170 180 190 200 210 220

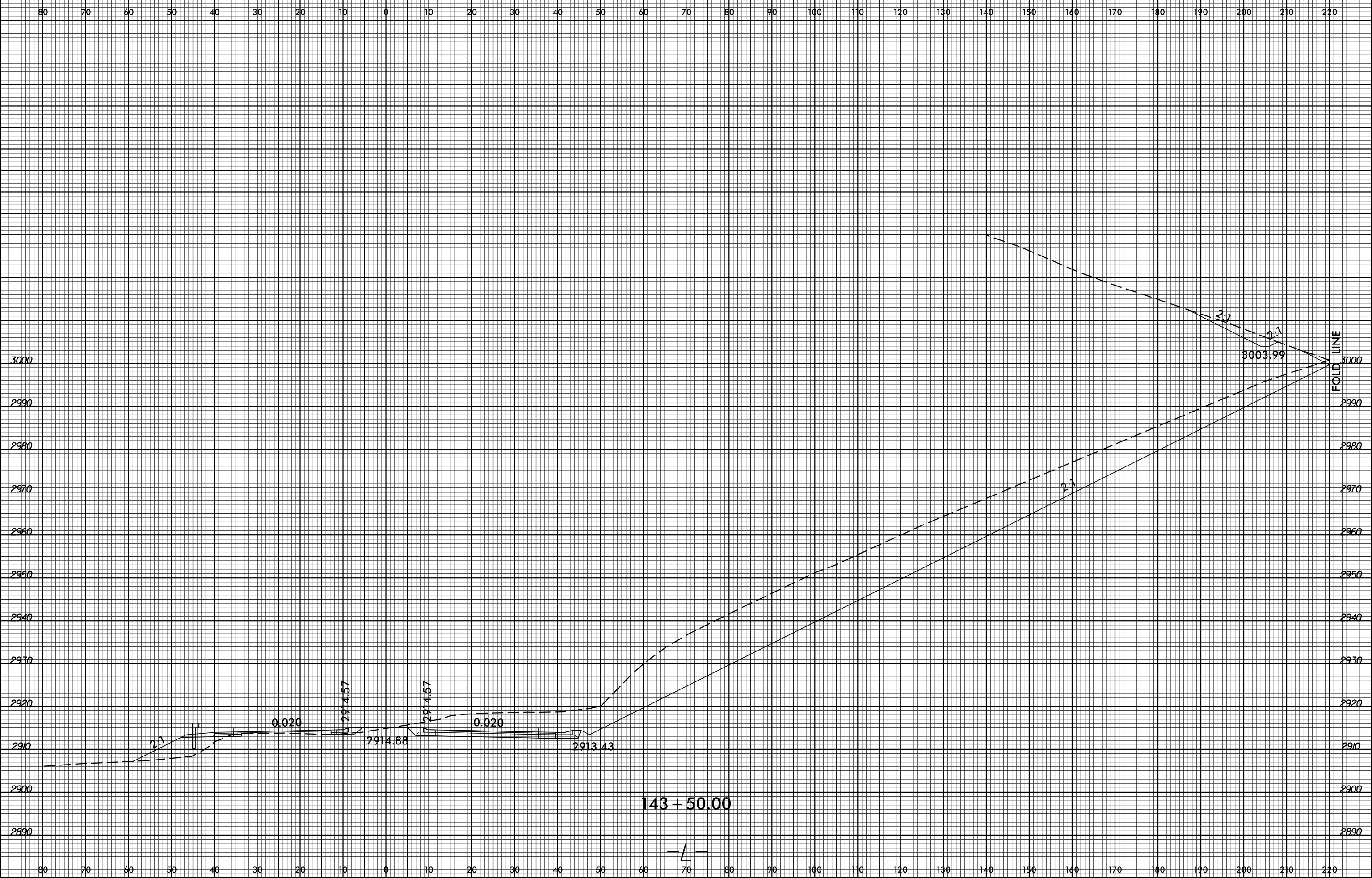


SYSTEMS  
DESIGN  
INC.

143+00.00



8/23/99

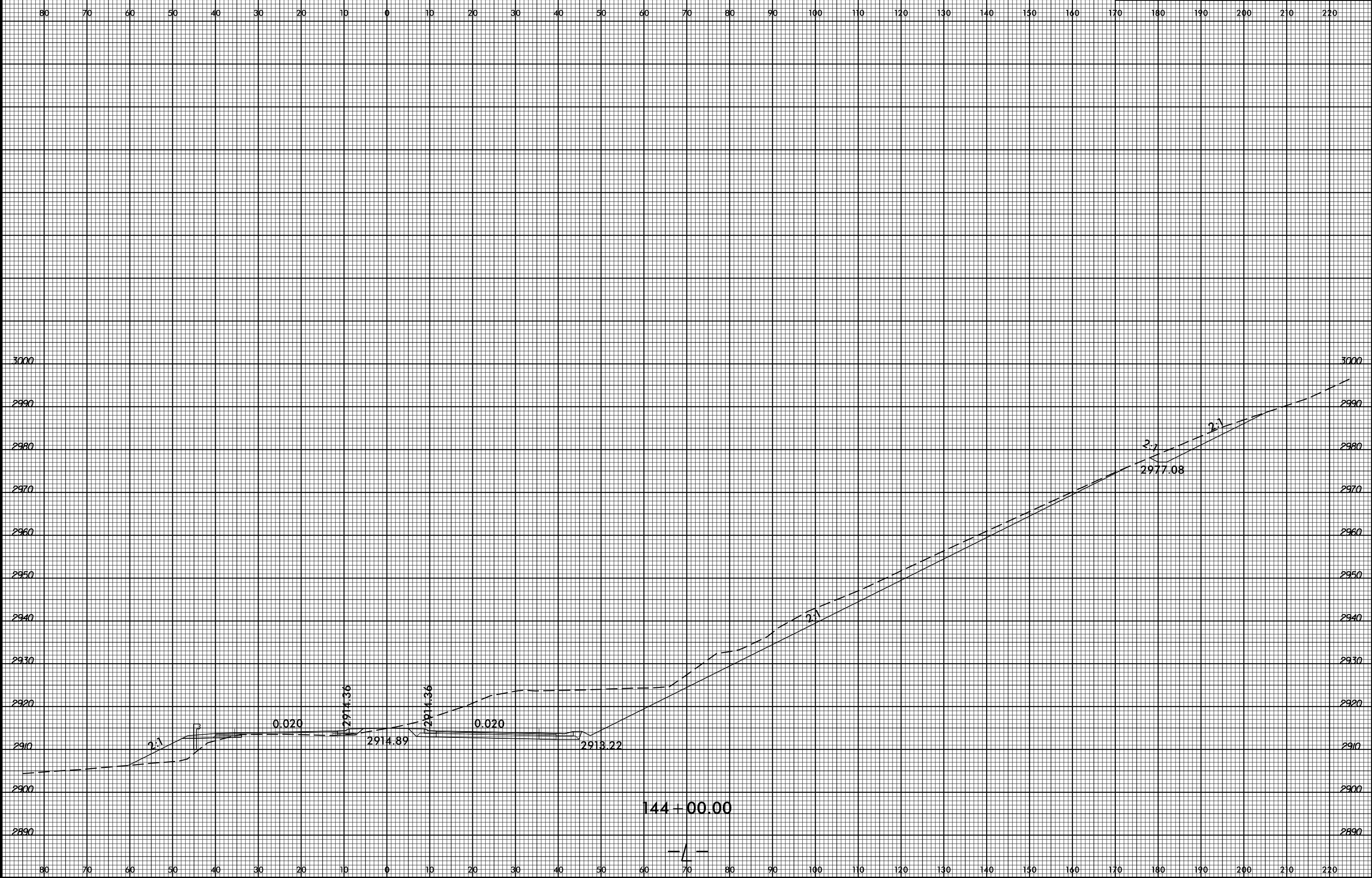


SYSTEMS  
SERVICES  
INC.

8/23/99

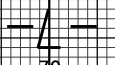


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-159



SYSTEMS  
 DESIGN  
 GROUP  
 INC.  
 1000  
 W. 10th  
 Ave.  
 Suite 100  
 Denver, CO 80202  
 Phone: 303.733.8800  
 Fax: 303.733.8801  
 www.systemsdesign.com

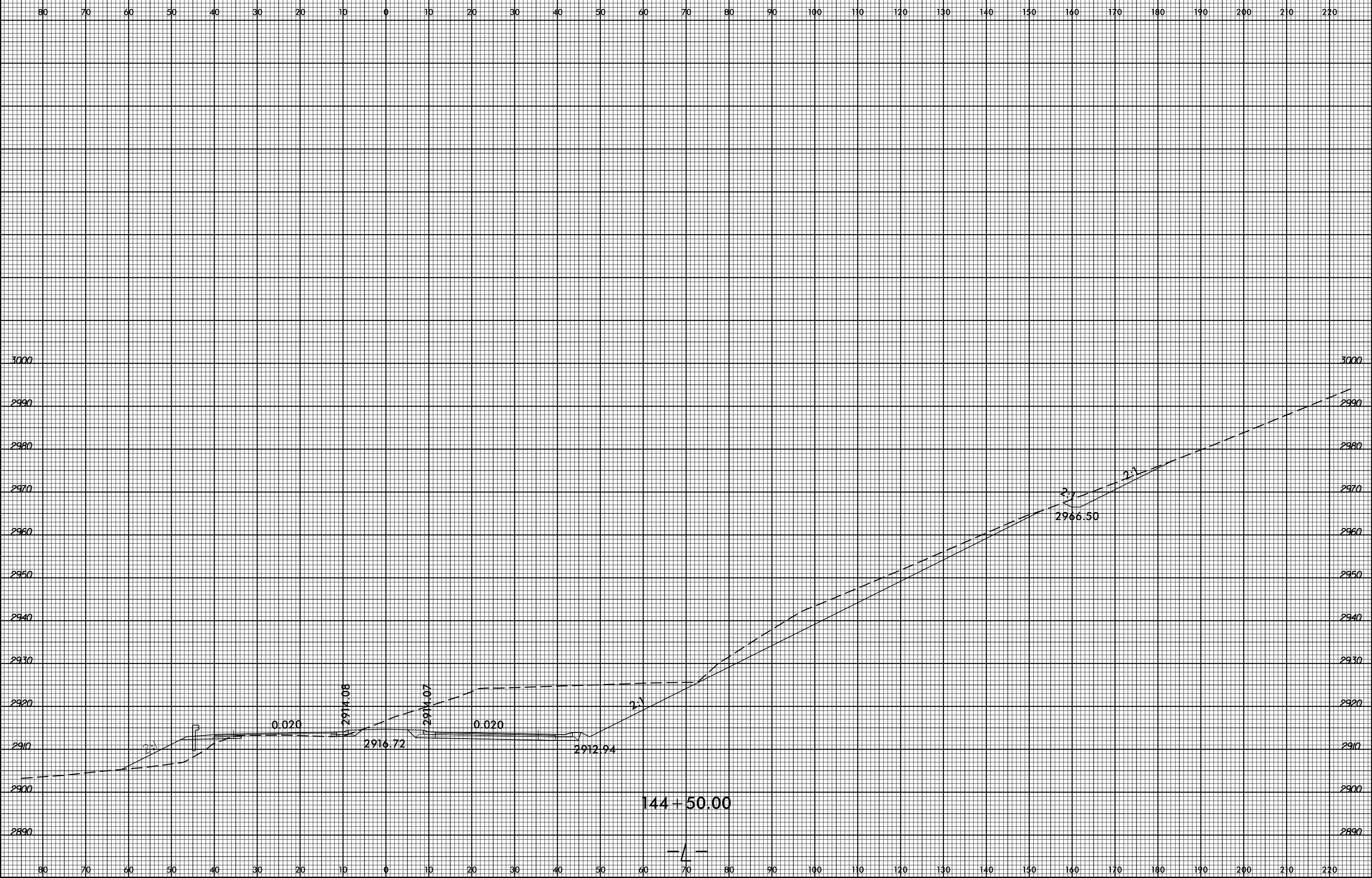
144+00.00



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-160



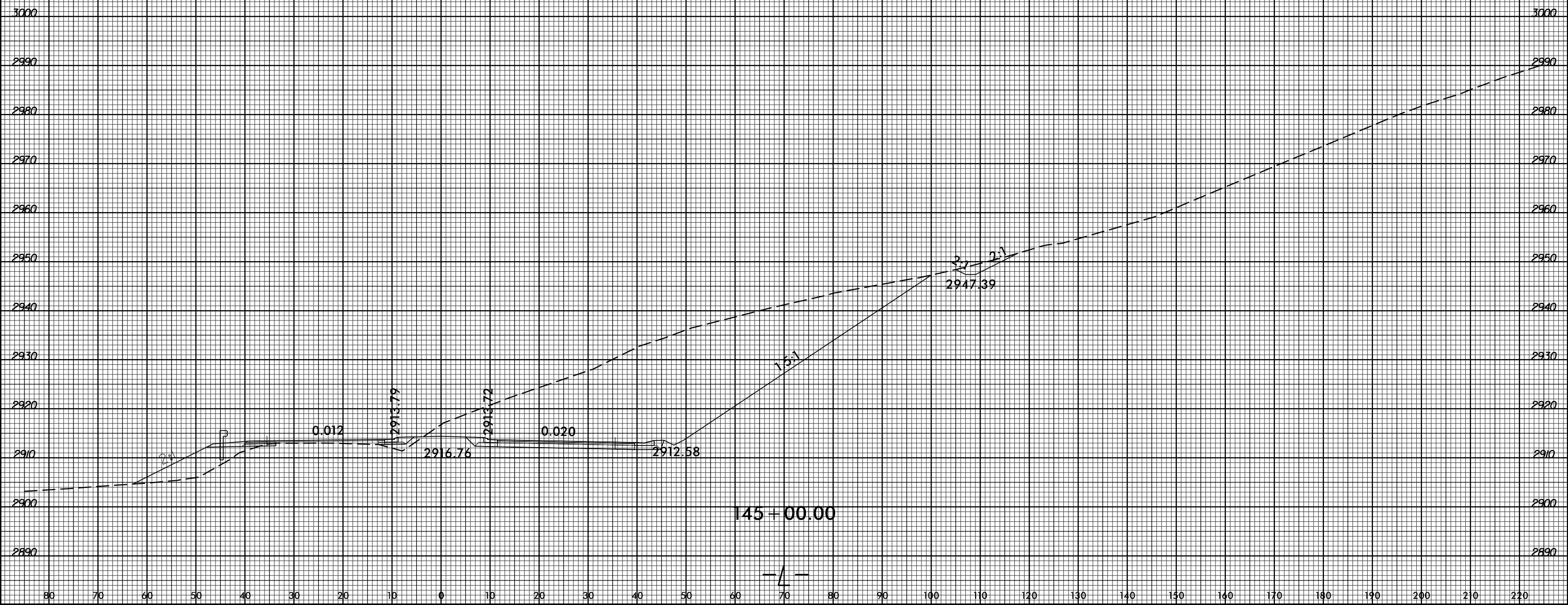
SYSTEMS  
 CONSULTING  
 ENGINEERS  
 INC.

8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-161

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220



SYSTEMS  
DESIGN  
CONSULTANTS

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220

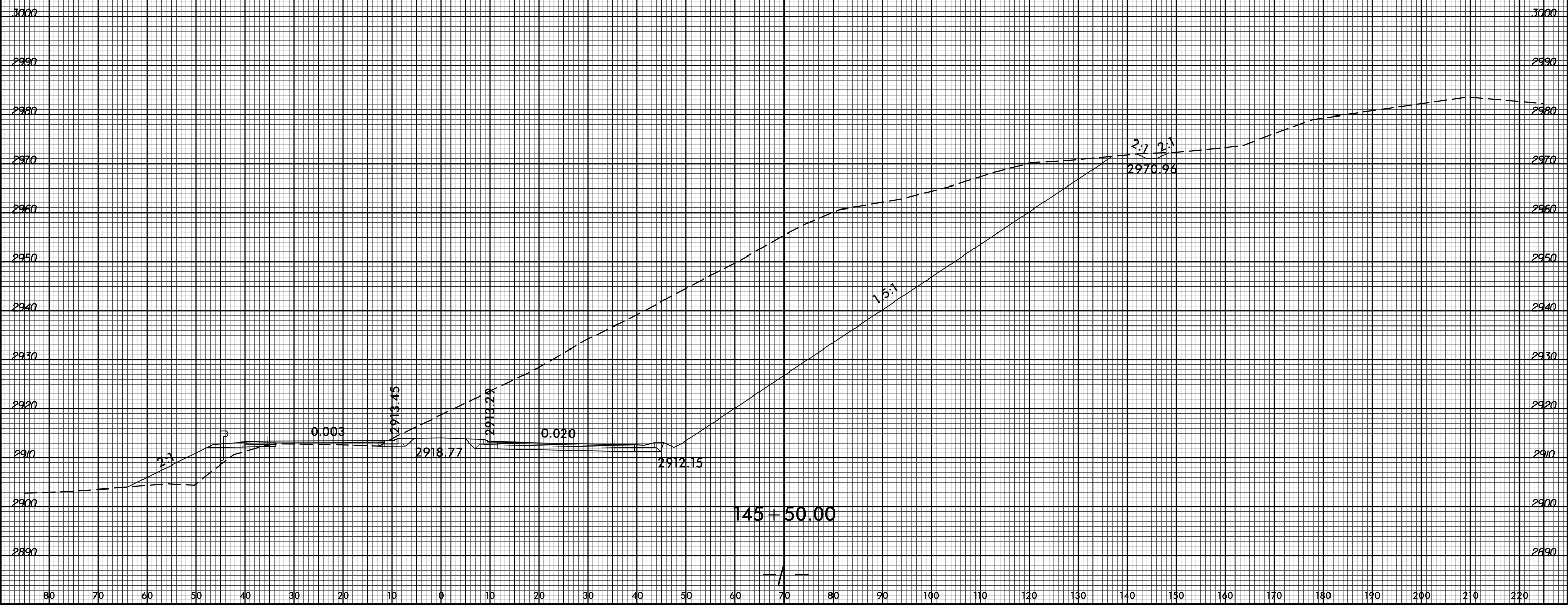
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-162

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220



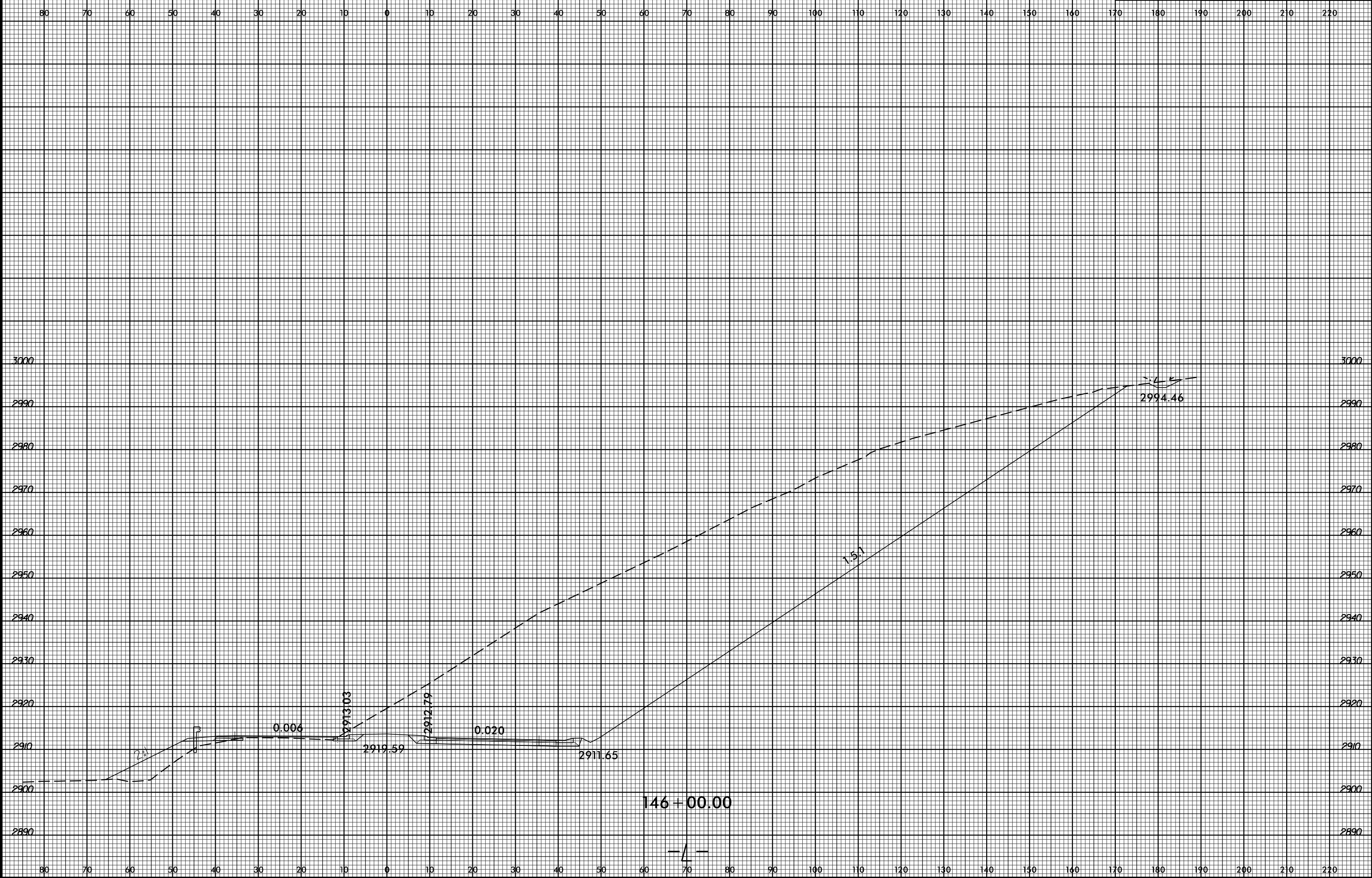
SYSTEMS  
SERVICES  
CONSULTANTS



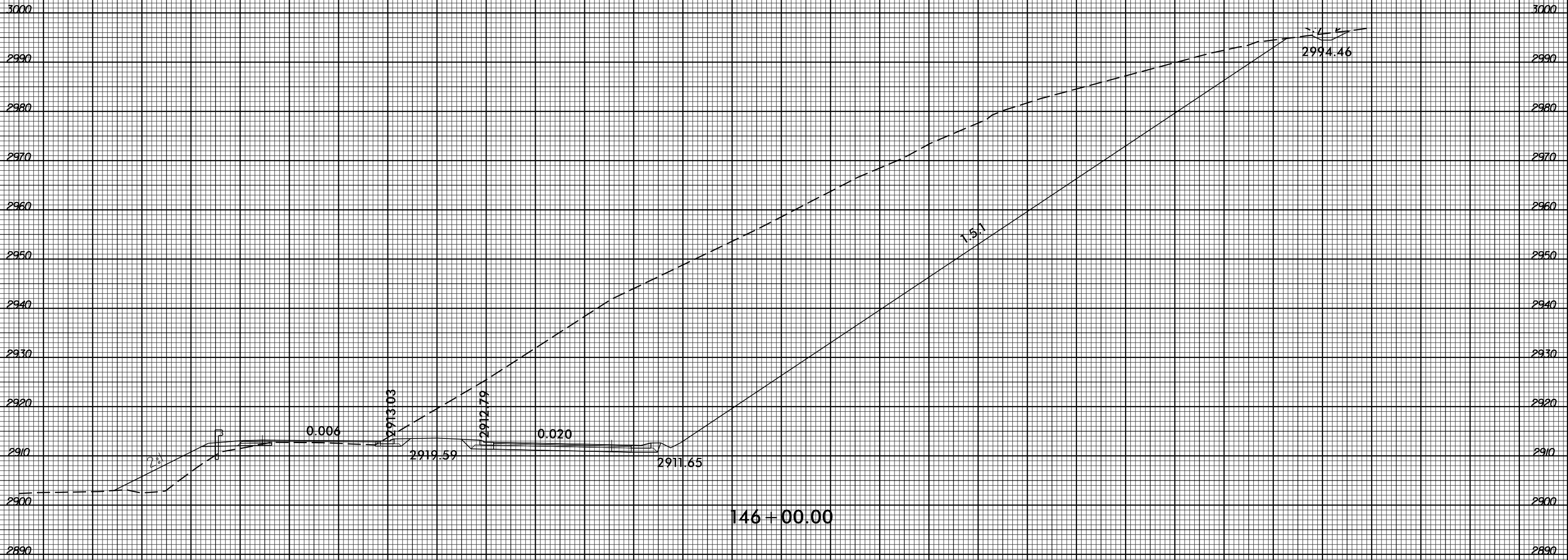
8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-163



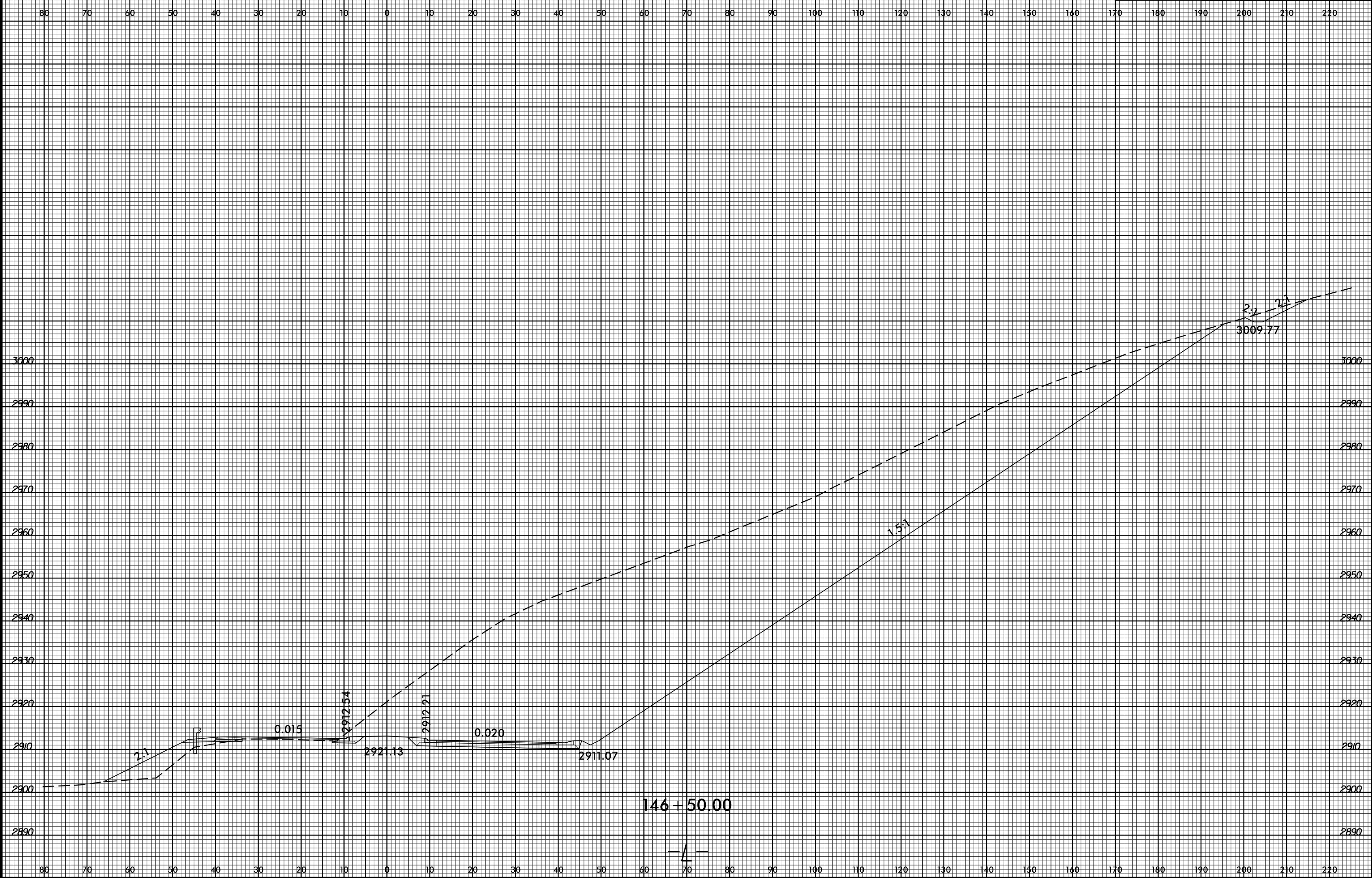
SYSTEMS  
 CONSULTANTS  
 INC.



8/23/99

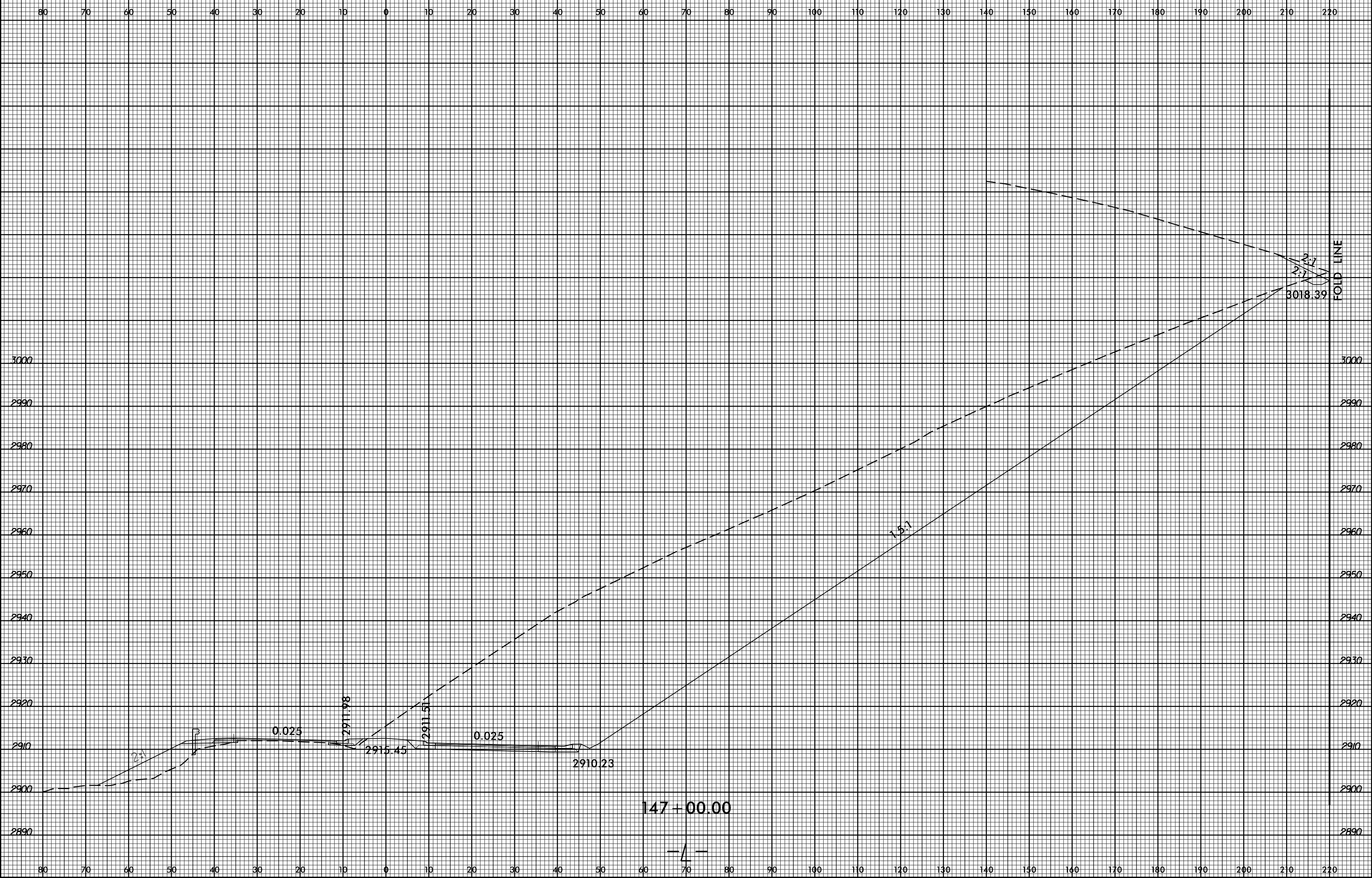


PROJ. REFERENCE NO. R-2915A SHEET NO. X-164



SYSTEMS

8/23/99

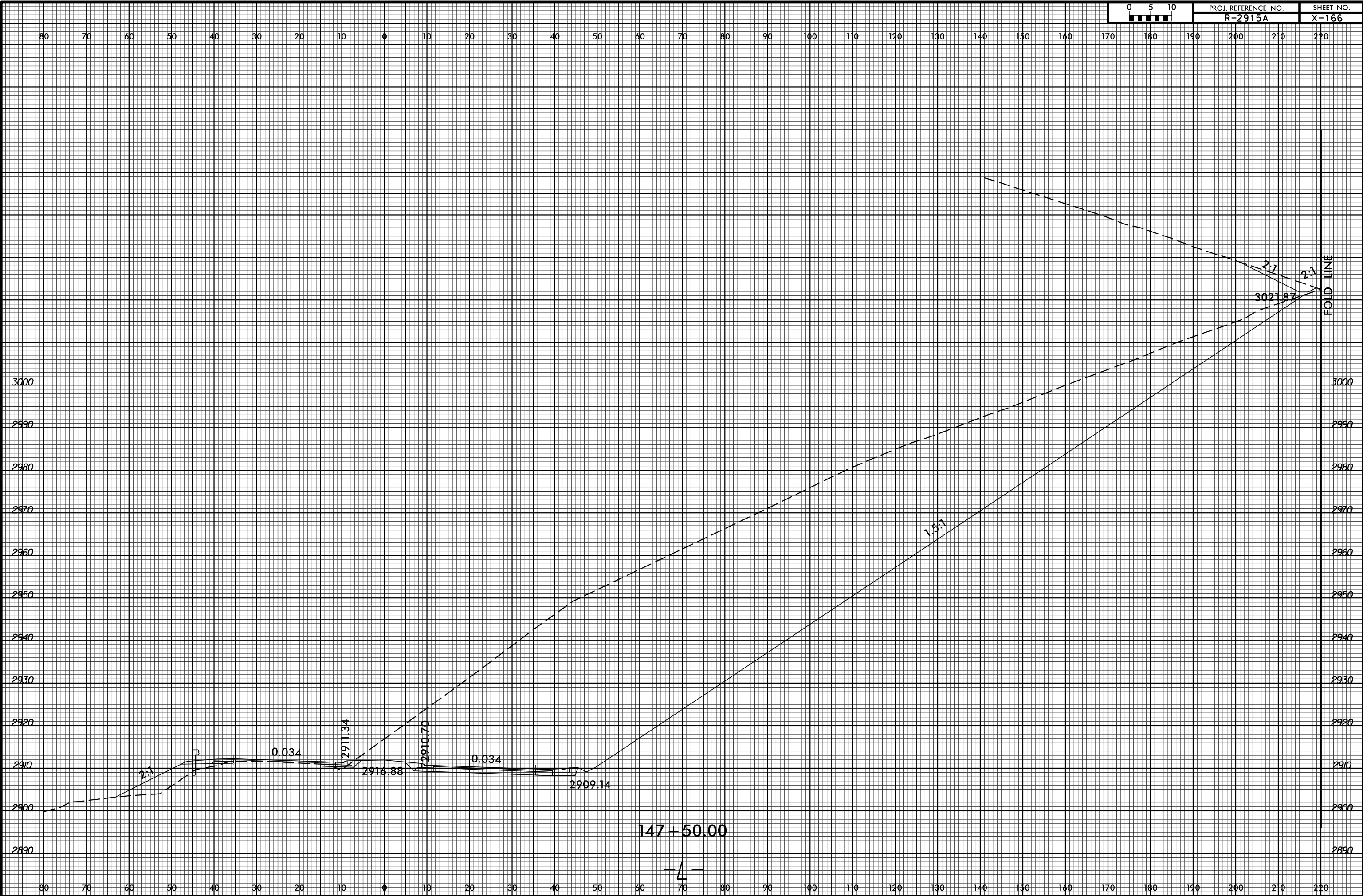


SYSTEMS  
CONSULTANTS  
INCORPORATED

8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-166



SYSTEMS  
DESIGN  
INC.

2:1

0.034

2911.34

2916.88

2910.70

0.034

2909.14

1.5:1

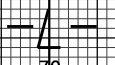
3021.87

2:1

2:1

FOLD LINE

147+50.00

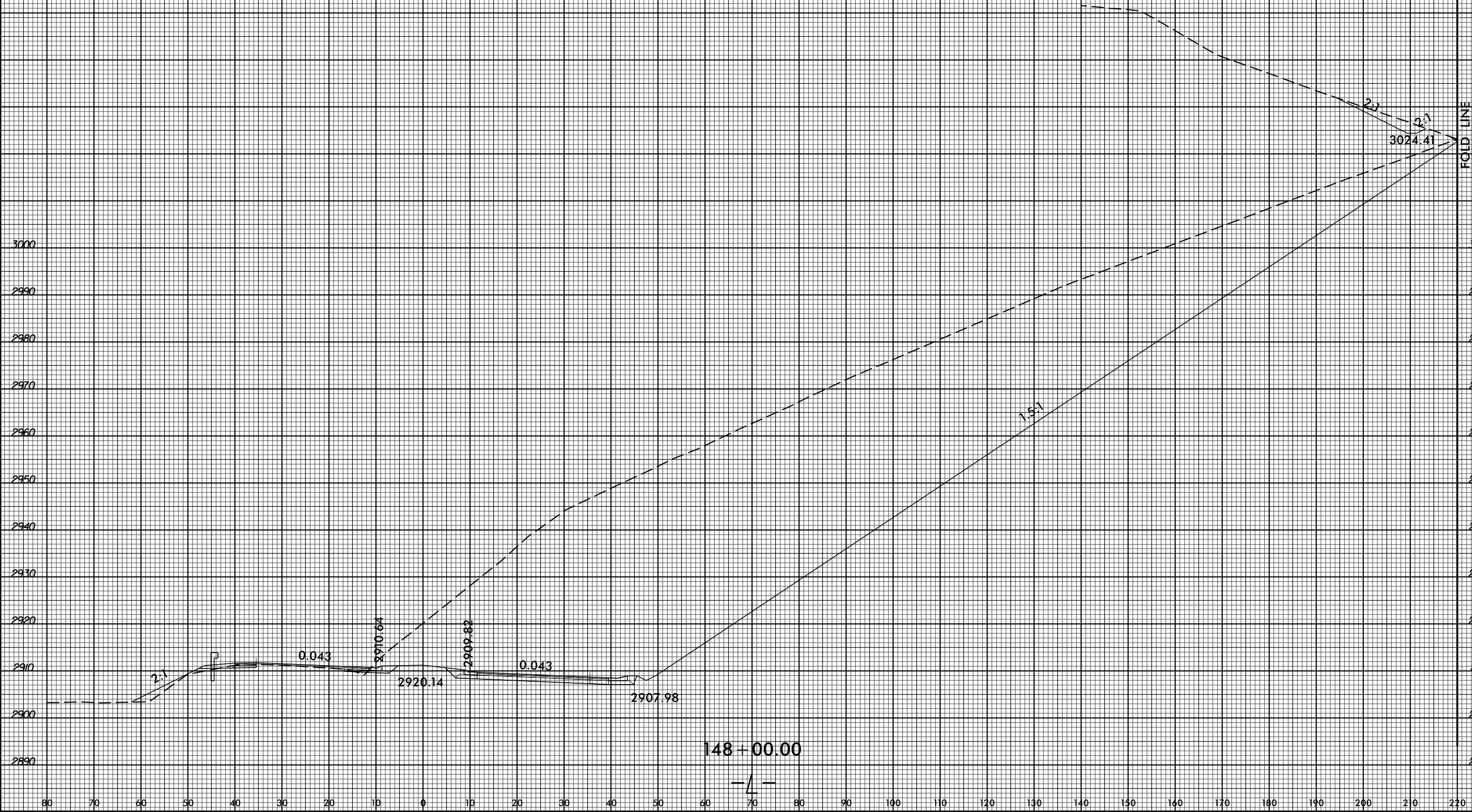


8/23/99



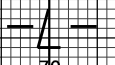
PROJ. REFERENCE NO. R-2915A SHEET NO. X-167

80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 140 170 180 190 200 210 220

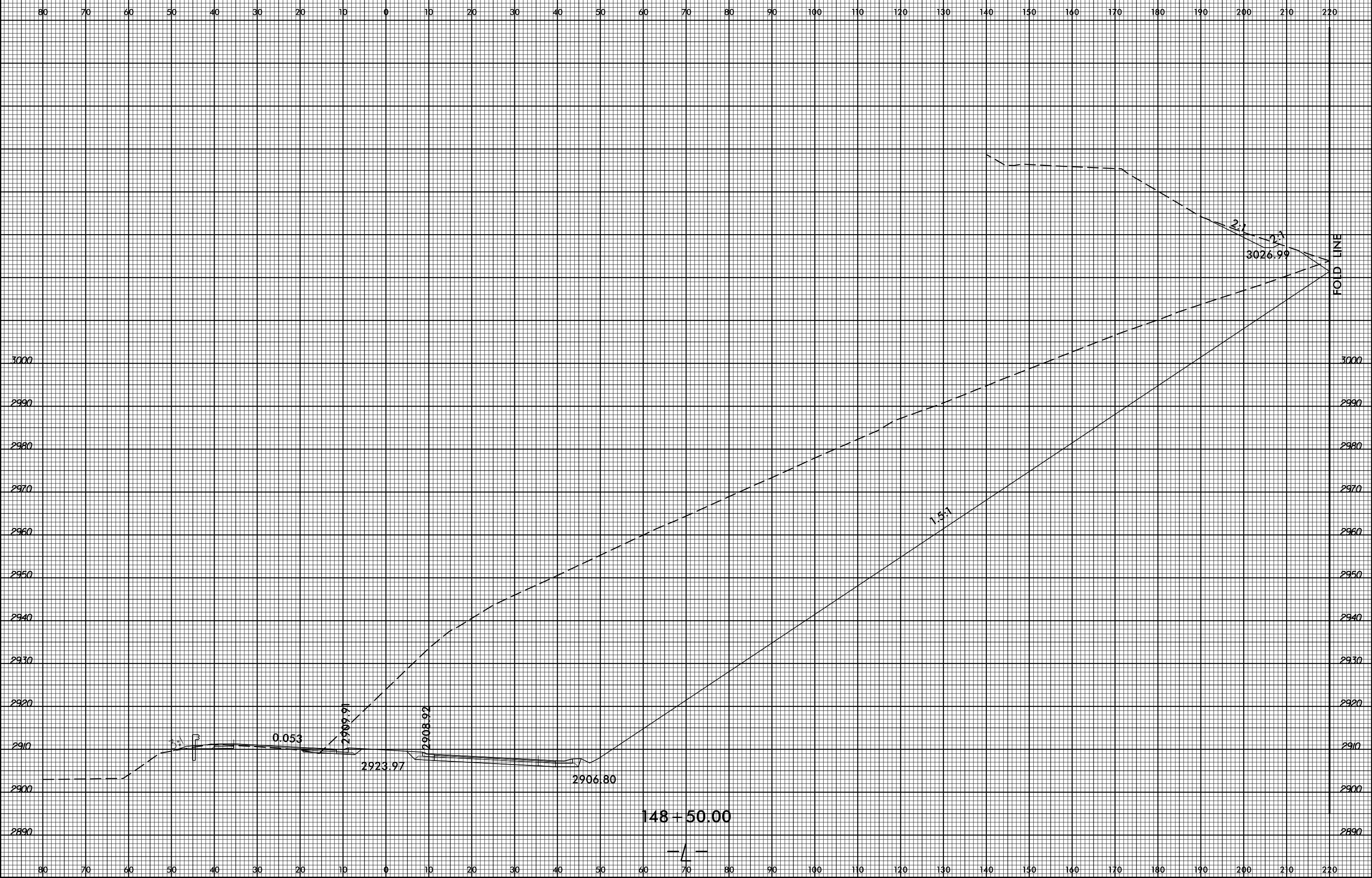


SYSTEMS  
SERIALS  
UNITS

148+00.00



8/23/99

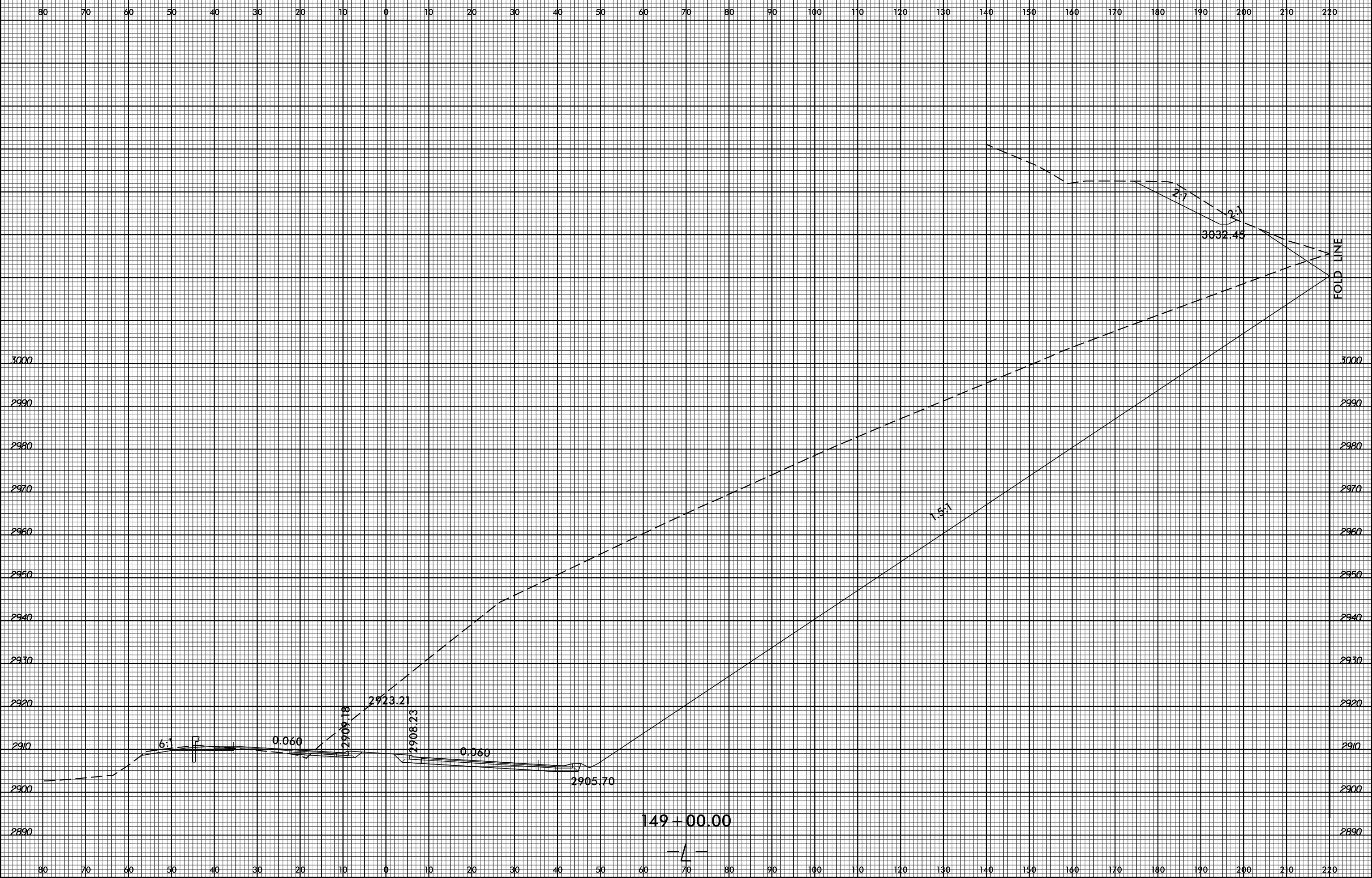


SYSTEMS  
SERVICES  
INCORPORATED

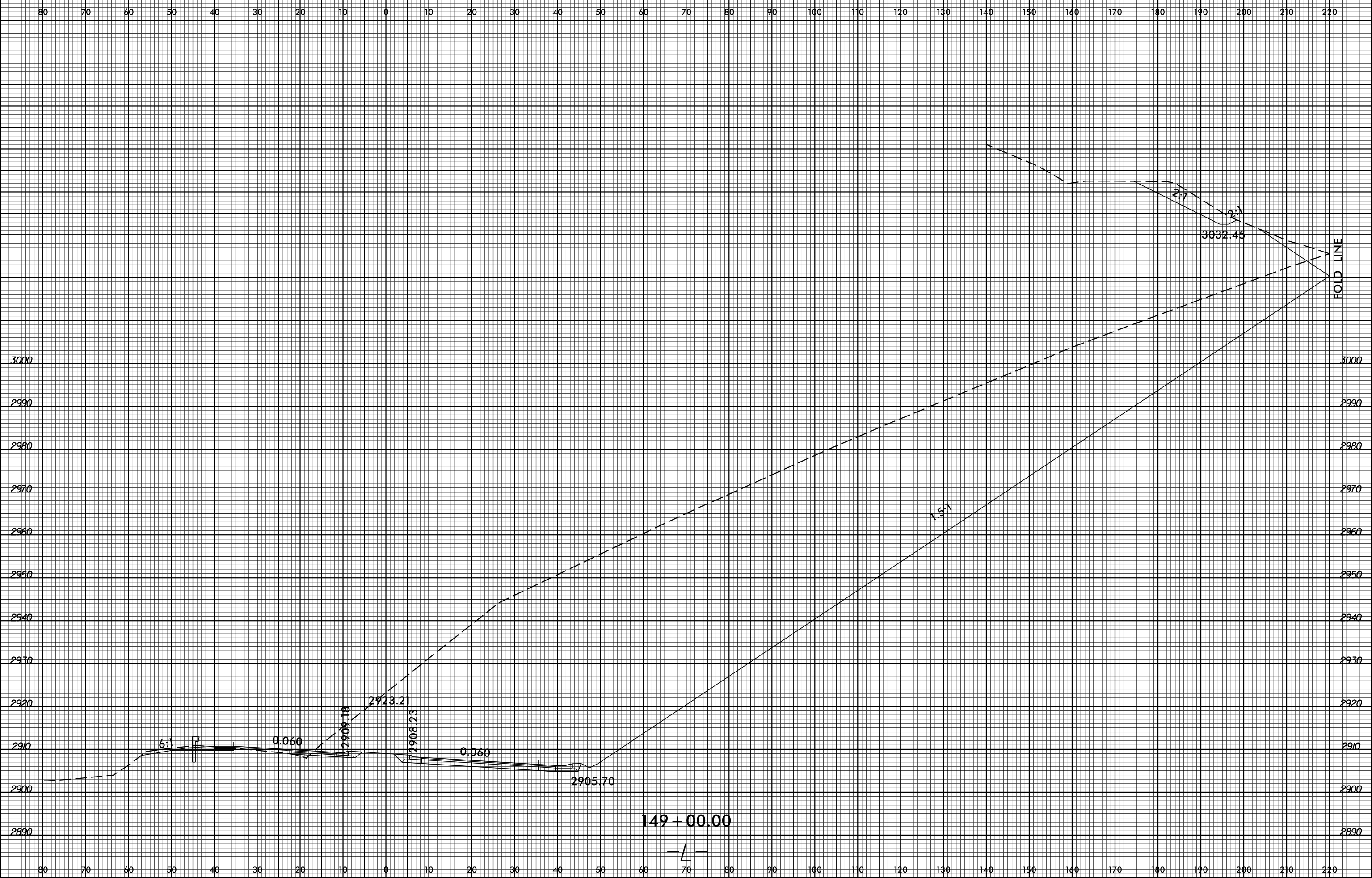
8/23/99



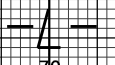
PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-169



\$\$\$SYTIME\$\$\$\$  
 \$\$\$SLOPE\$\$\$\$  
 \$\$\$ELEVATION\$\$\$\$  
 \$\$\$DISTANCE\$\$\$\$  
 \$\$\$CORRECTION\$\$\$\$  
 \$\$\$REMARKS\$\$\$\$



149+00.00



FOLD LINE

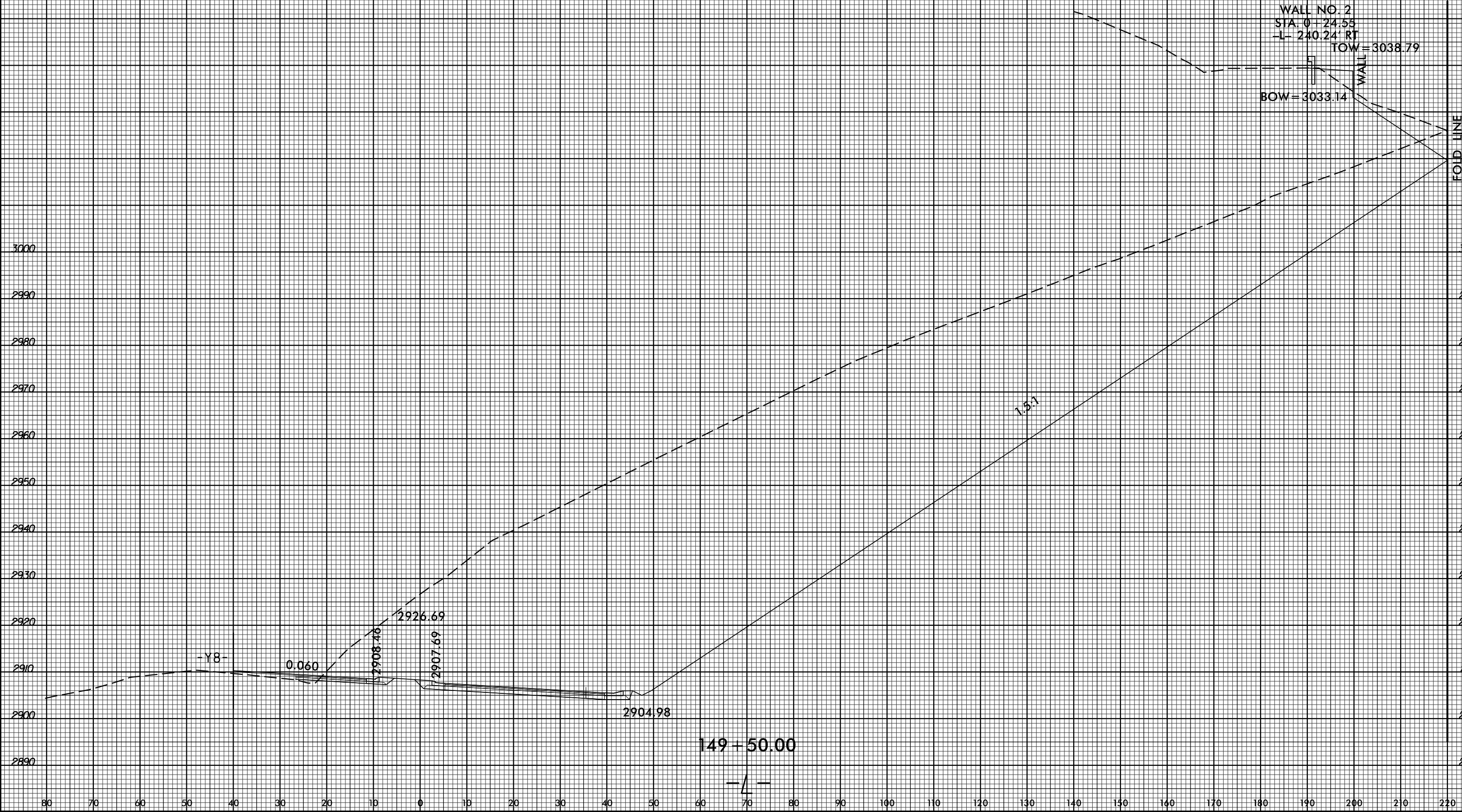
8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-170

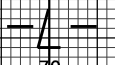
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 140 170 180 190 200 210 220

SYSTEMS  
SERVICES  
INCORPORATED



FOLD LINE

149 + 50.00

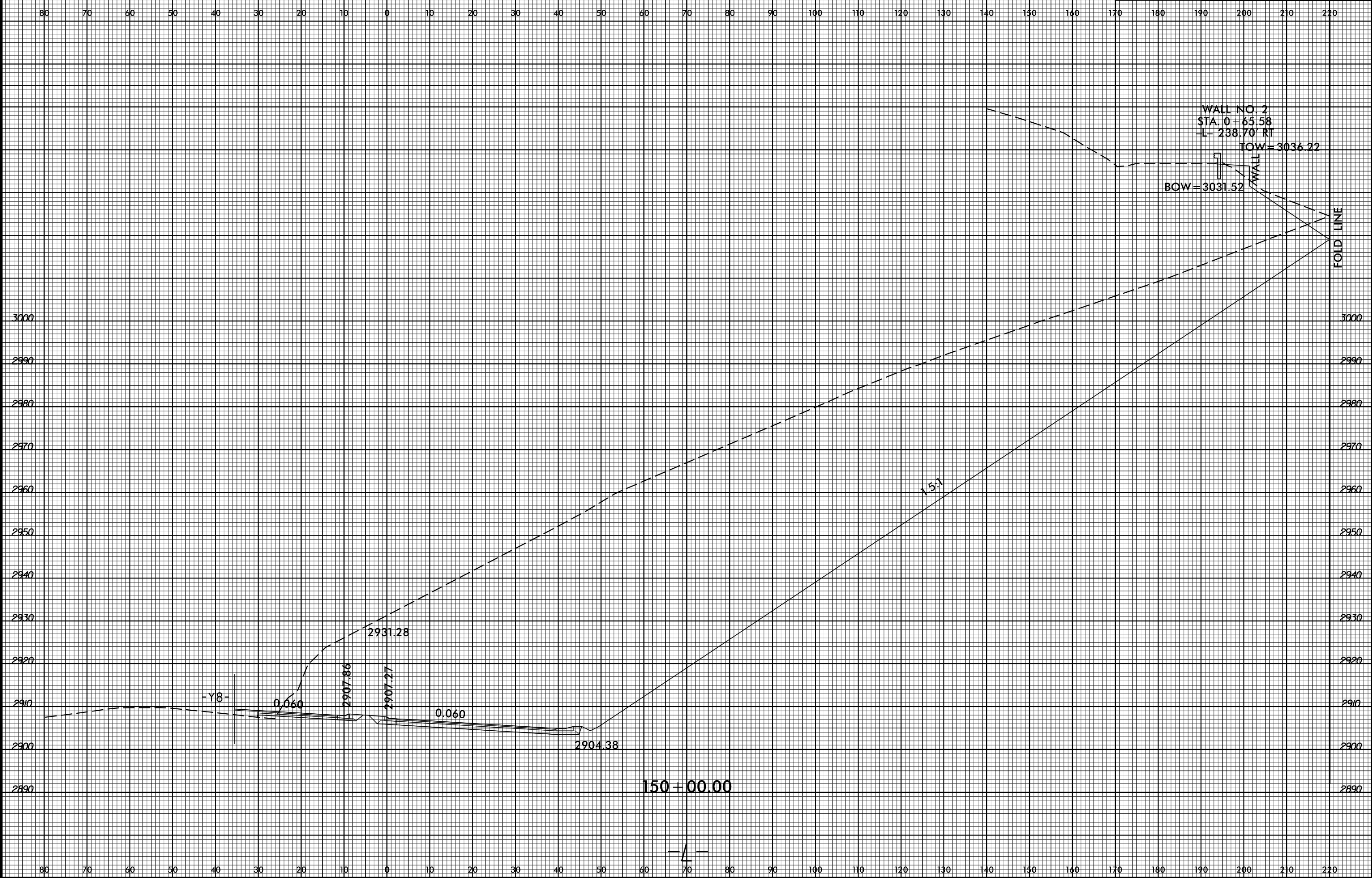




8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-171



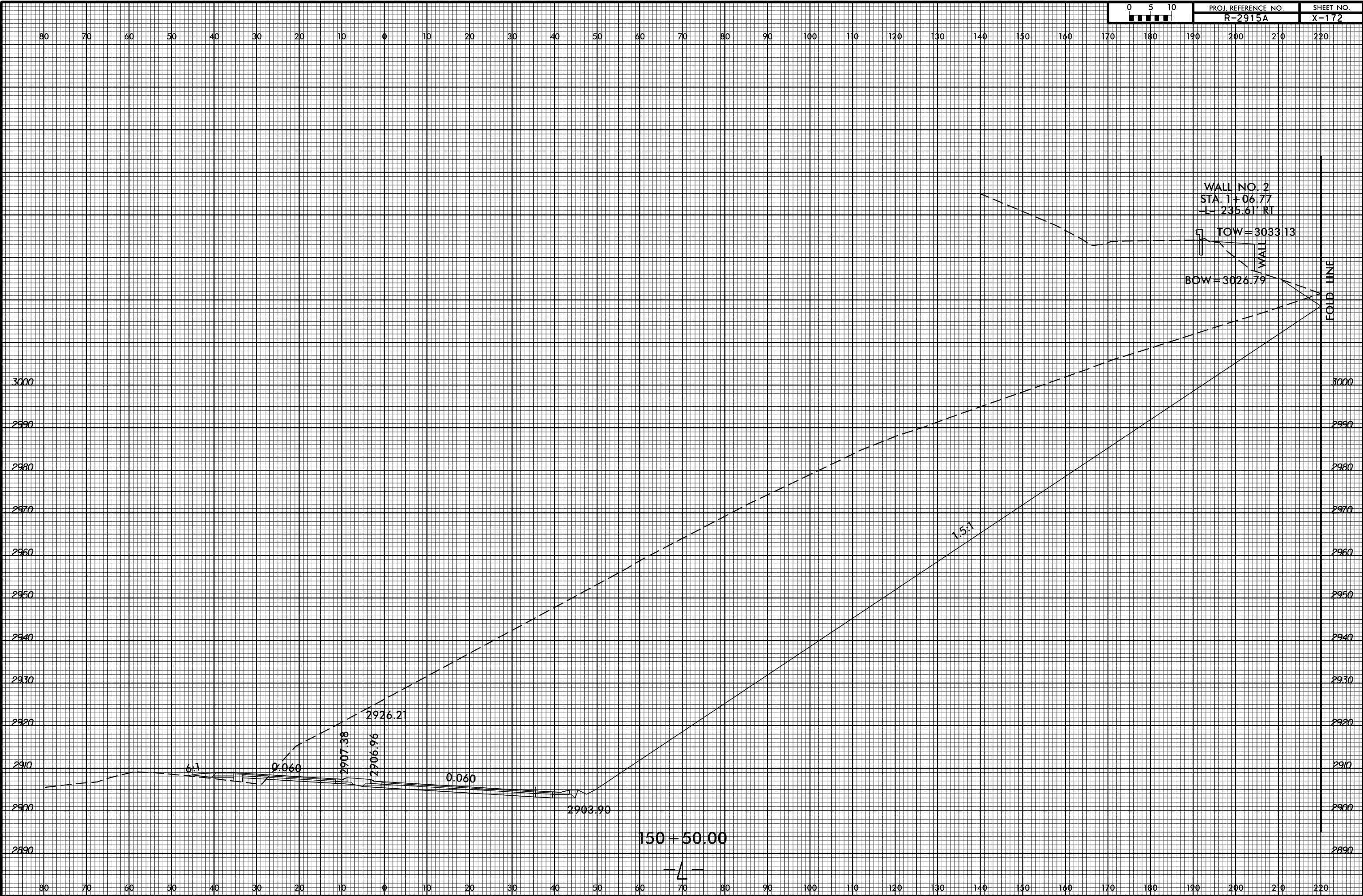
SYSTEMS  
SERVICES  
CORPORATION



8/23/99



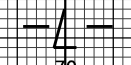
PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-172



WALL NO. 2  
 STA. 1+06.77  
 -L- 235.61 RT  
 TOW = 3033.13  
 BOW = 3026.79

FOLD LINE

150+50.00



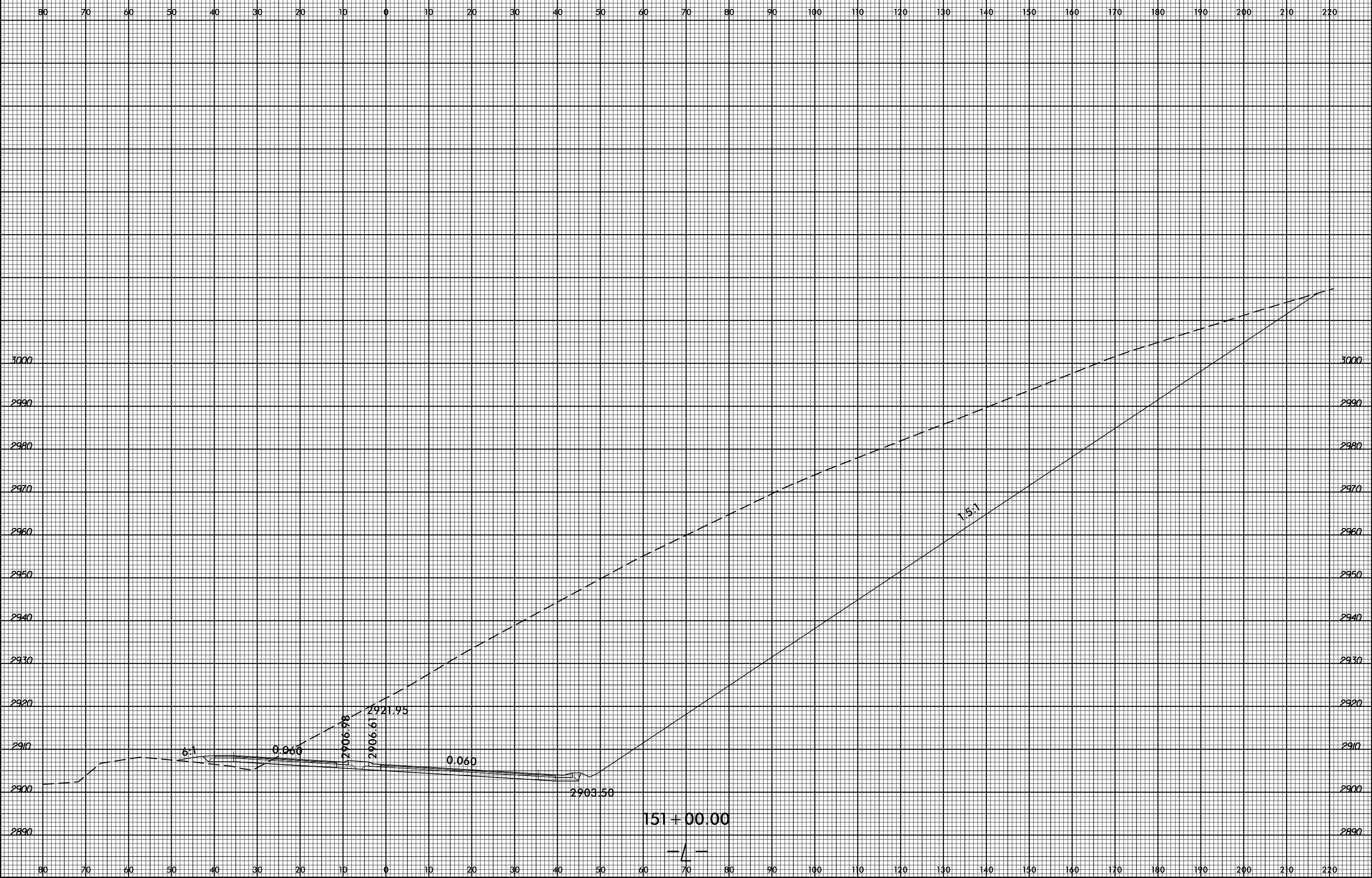
SYSTEMS  
 CONSULTANTS  
 INC.

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-173

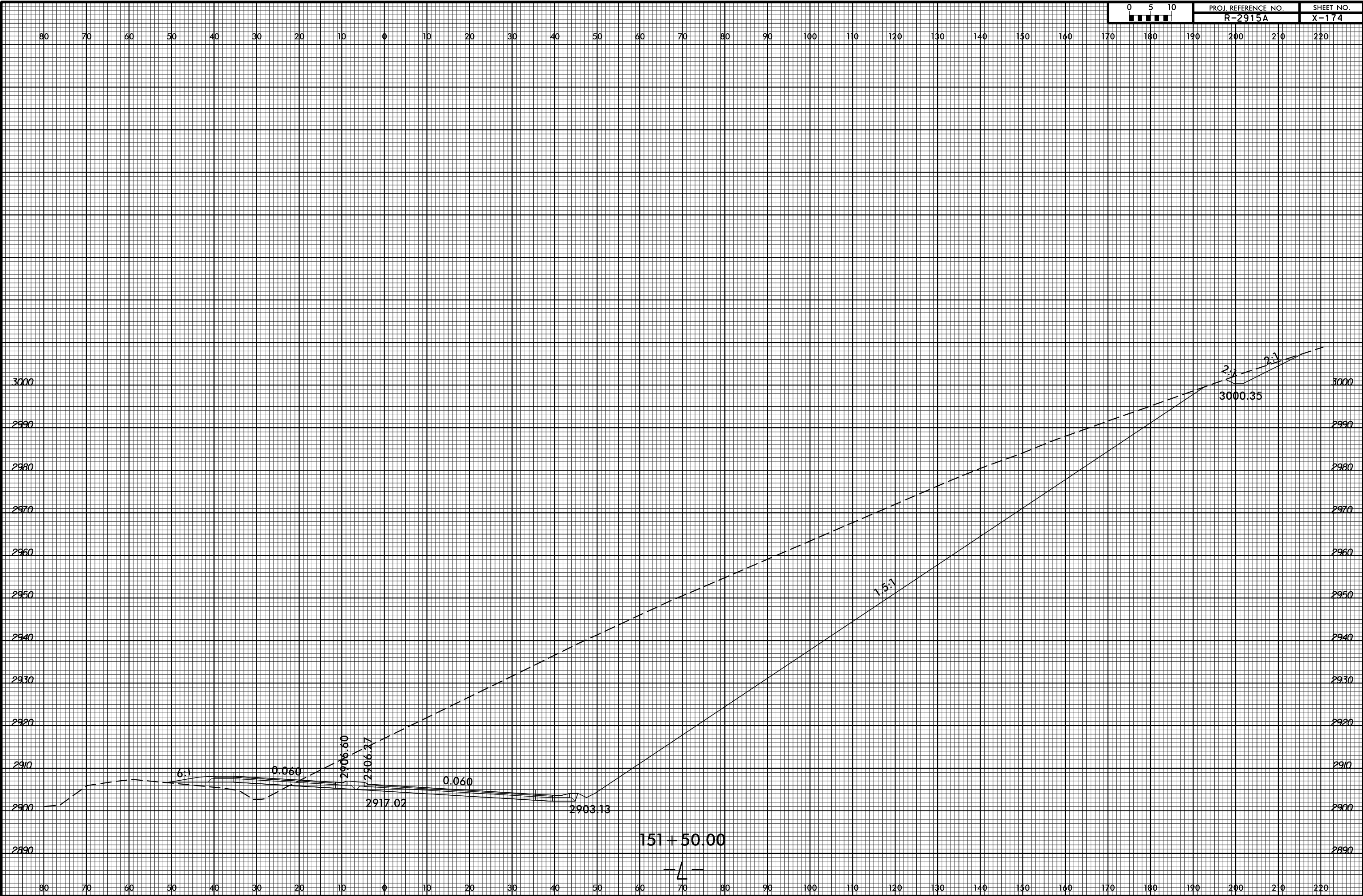


SYSTEMS  
SERVICES  
CORPORATION

8/23/99



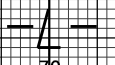
PROJ. REFERENCE NO. R-2915A SHEET NO. X-174



80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220

3000 2990 2980 2970 2960 2950 2940 2930 2920 2910 2900 2890 3000.35 2906.60 2906.37 2917.02 0.060 0.060 2903.13 1.5:1 2:1 2:1 6:1 151 + 50.00

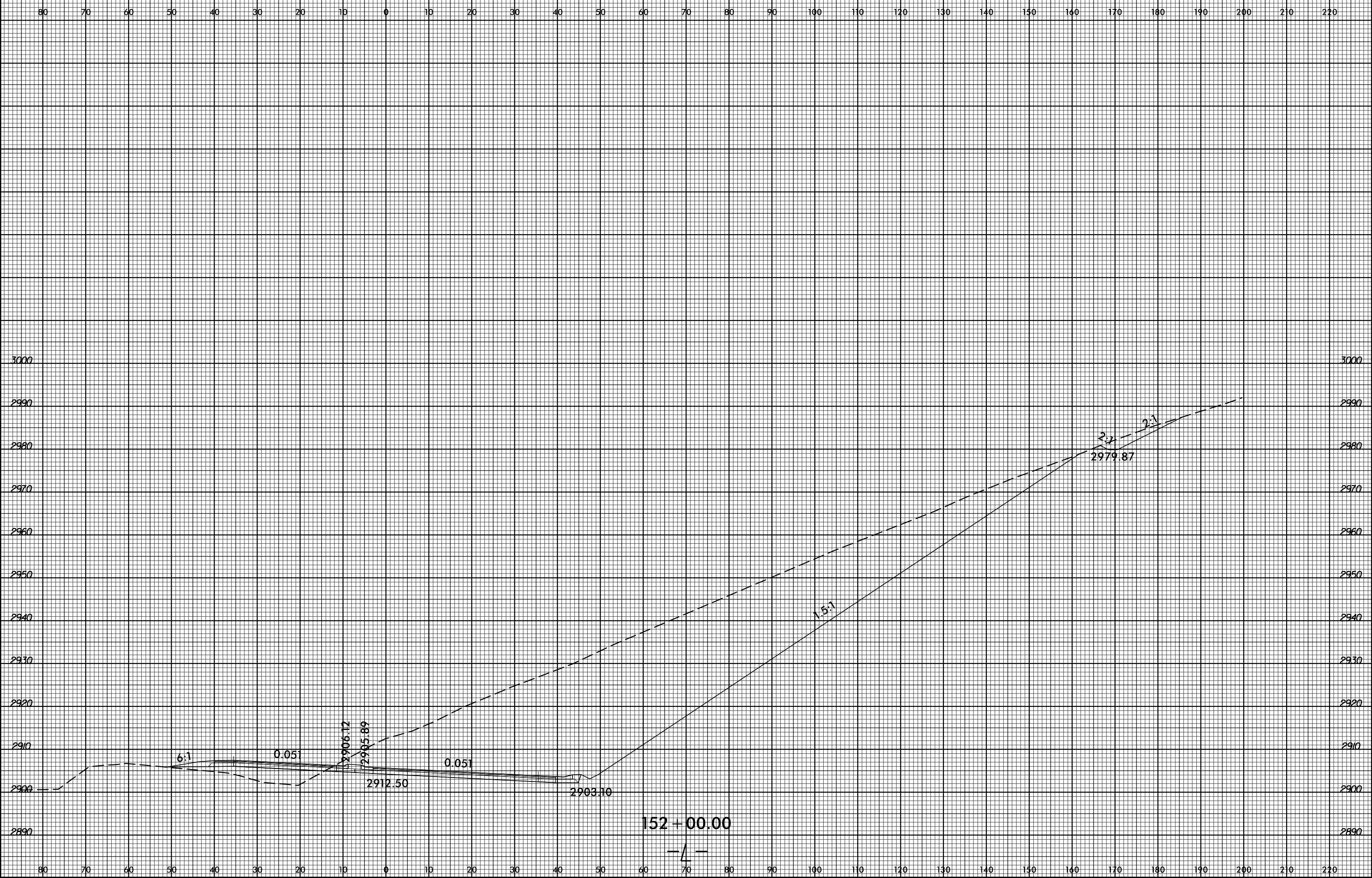
SYSTEMS  
SERVICES  
INCORPORATED



8/23/99

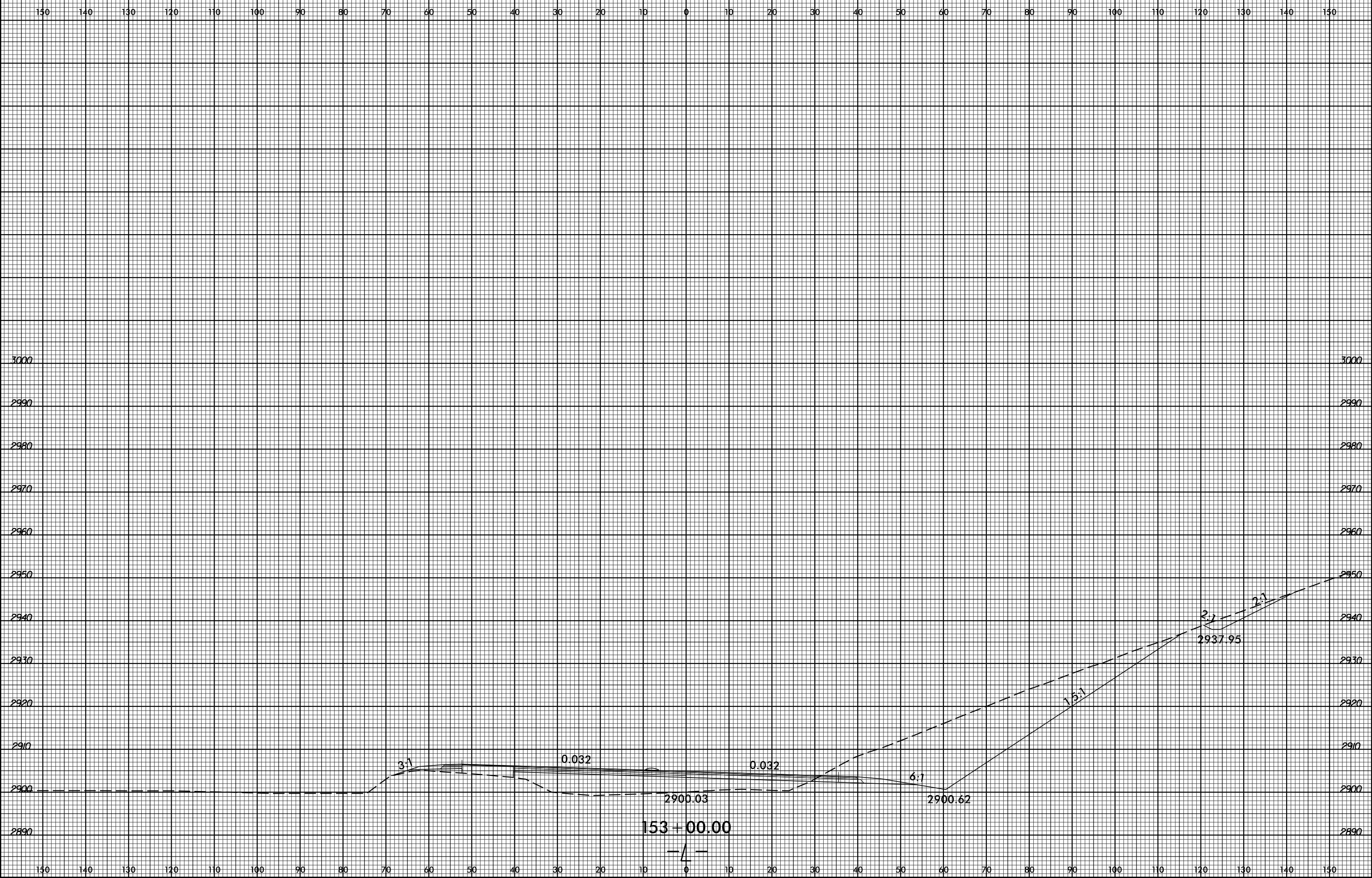


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-175



SYSTEMS  
 DESIGN  
 GROUP  
 INC.  
 1500  
 W. 15th  
 ST.  
 SUITE 100  
 DENVER, CO  
 80202





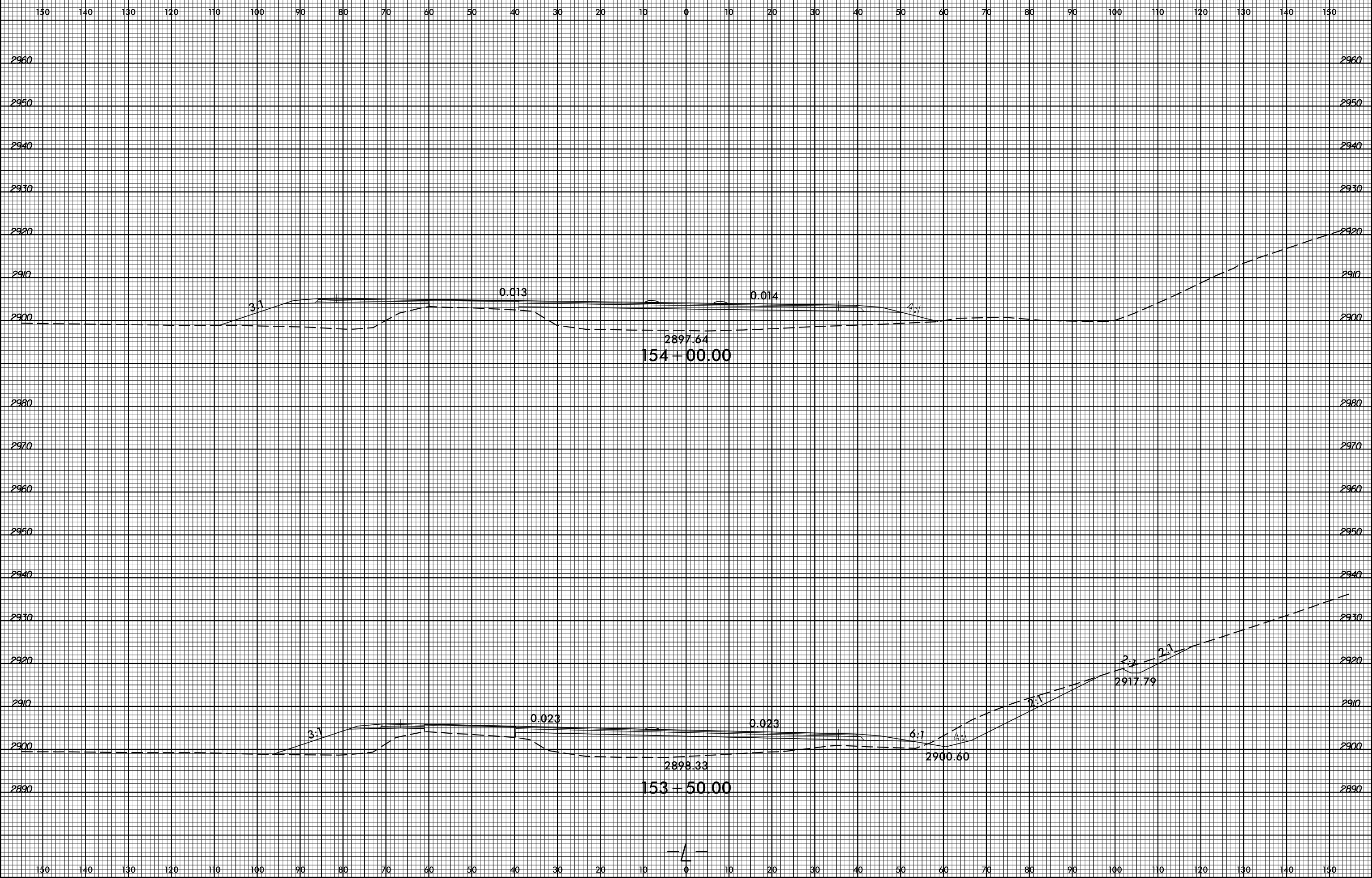
SYSTEMS  
 DESIGN  
 GROUP  
 INC.  
 100  
 W. 15th  
 Ave.,  
 Suite  
 200  
 Denver,  
 CO 80202  
 (303) 733-9300  
 www.systemsdesign.com

8/23/99

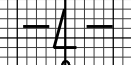


PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-178



SYSTEMS  
SERVICES  
INCORPORATED

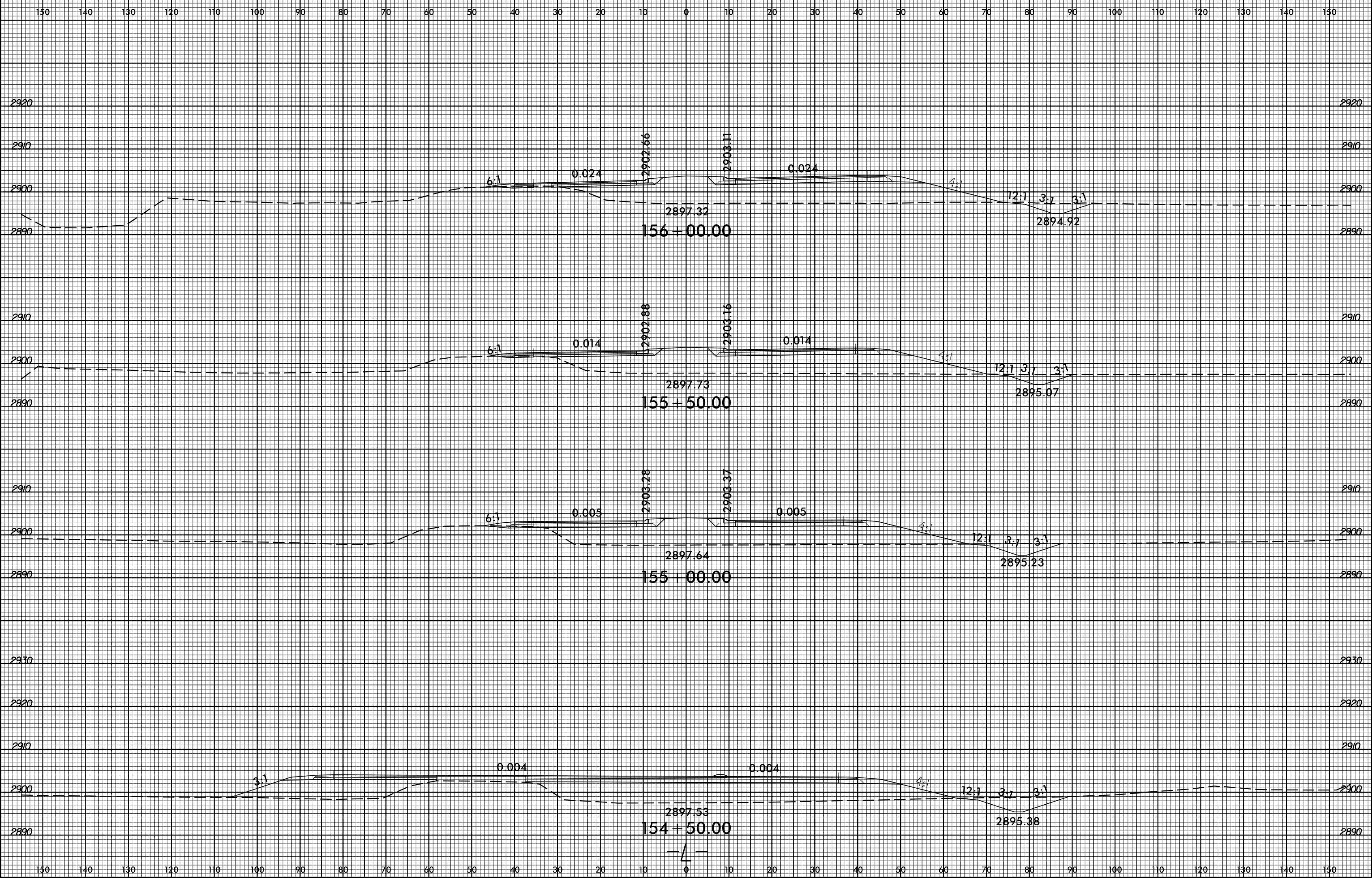




8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-179

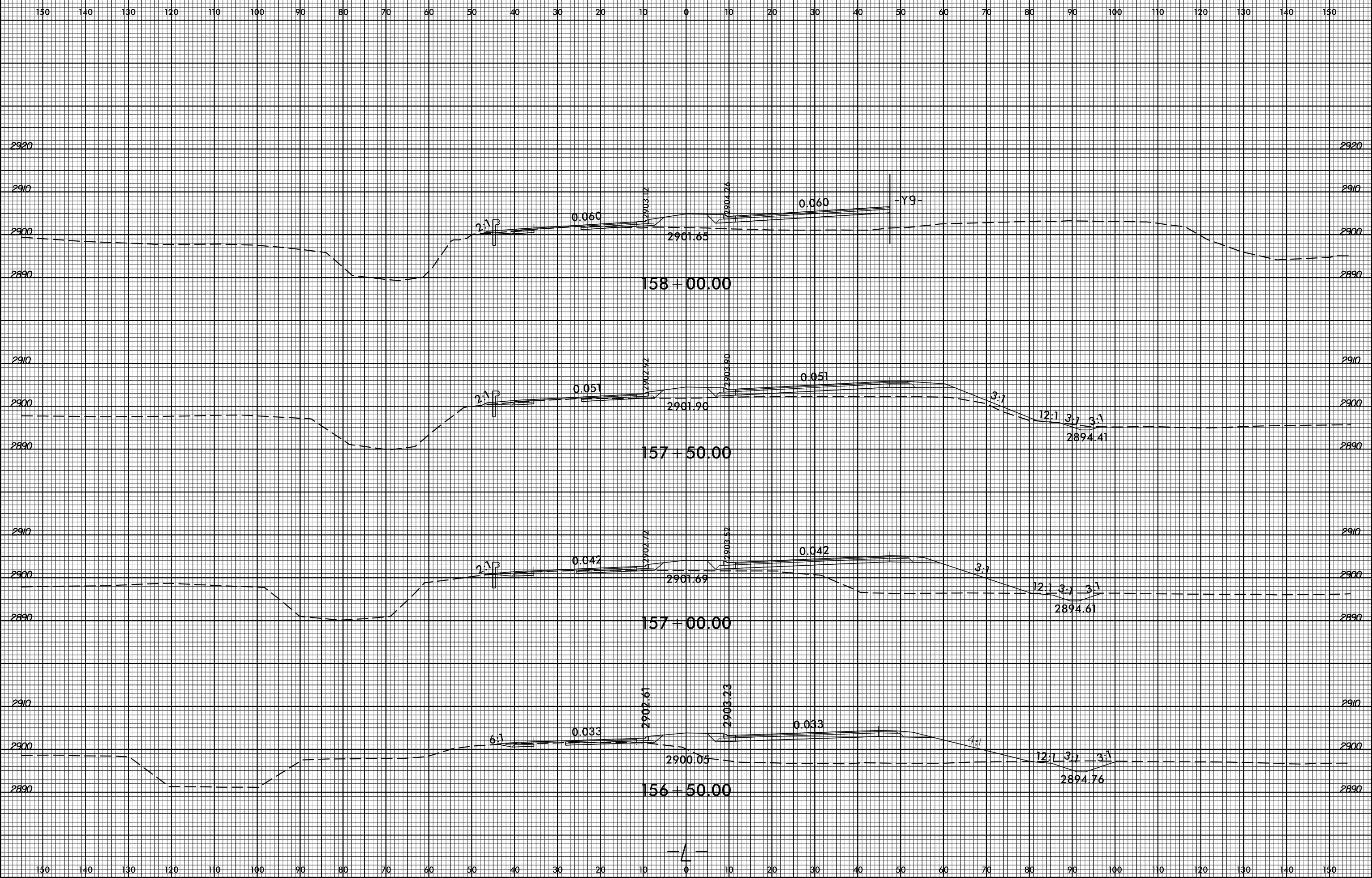


SYSTEMS  
 DESIGN  
 CONSULTANTS  
 INC.

8/23/99



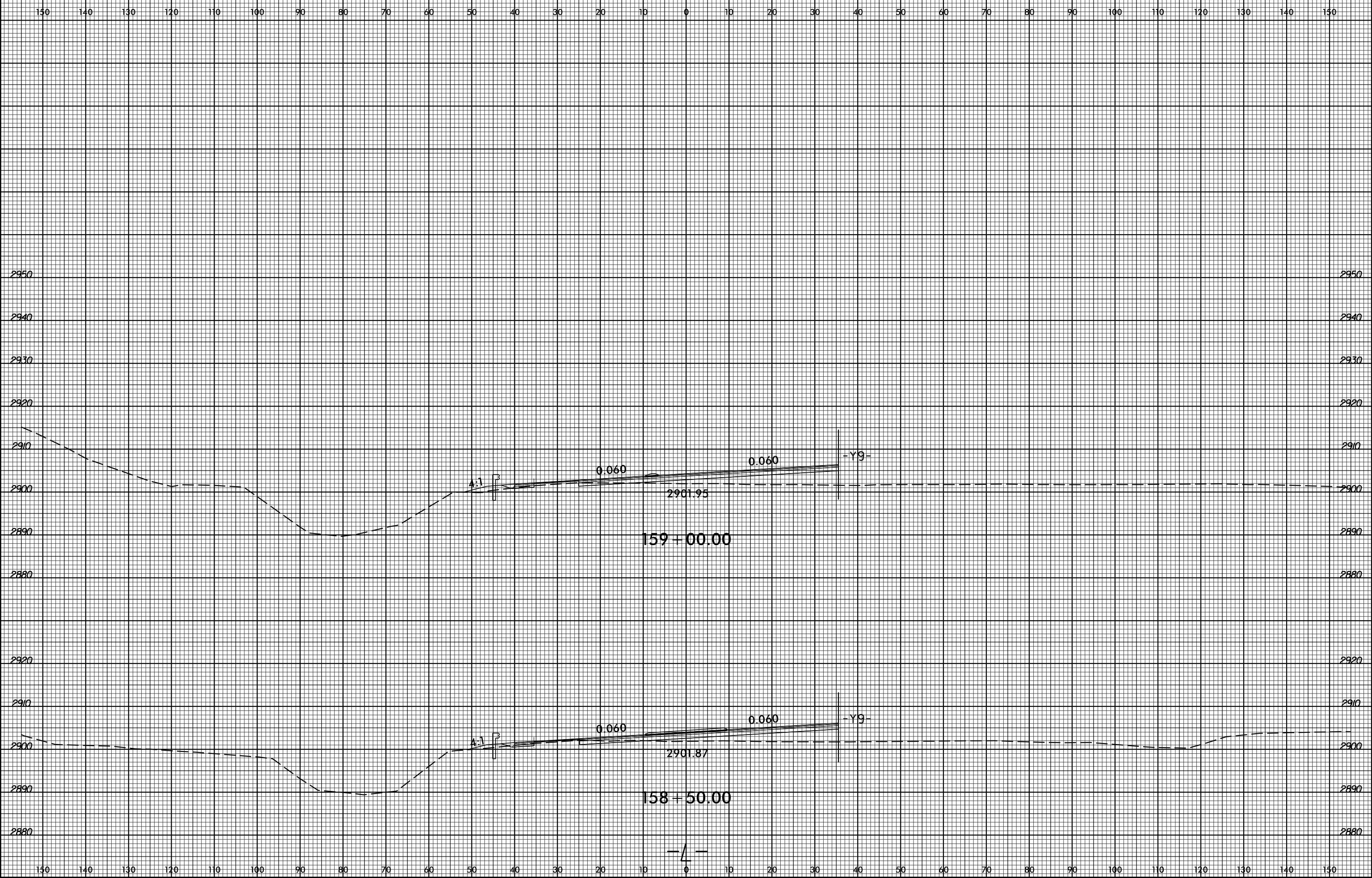
PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-180



SYSTEMS  
 CONSULTANTS  
 INC.

8/23/99

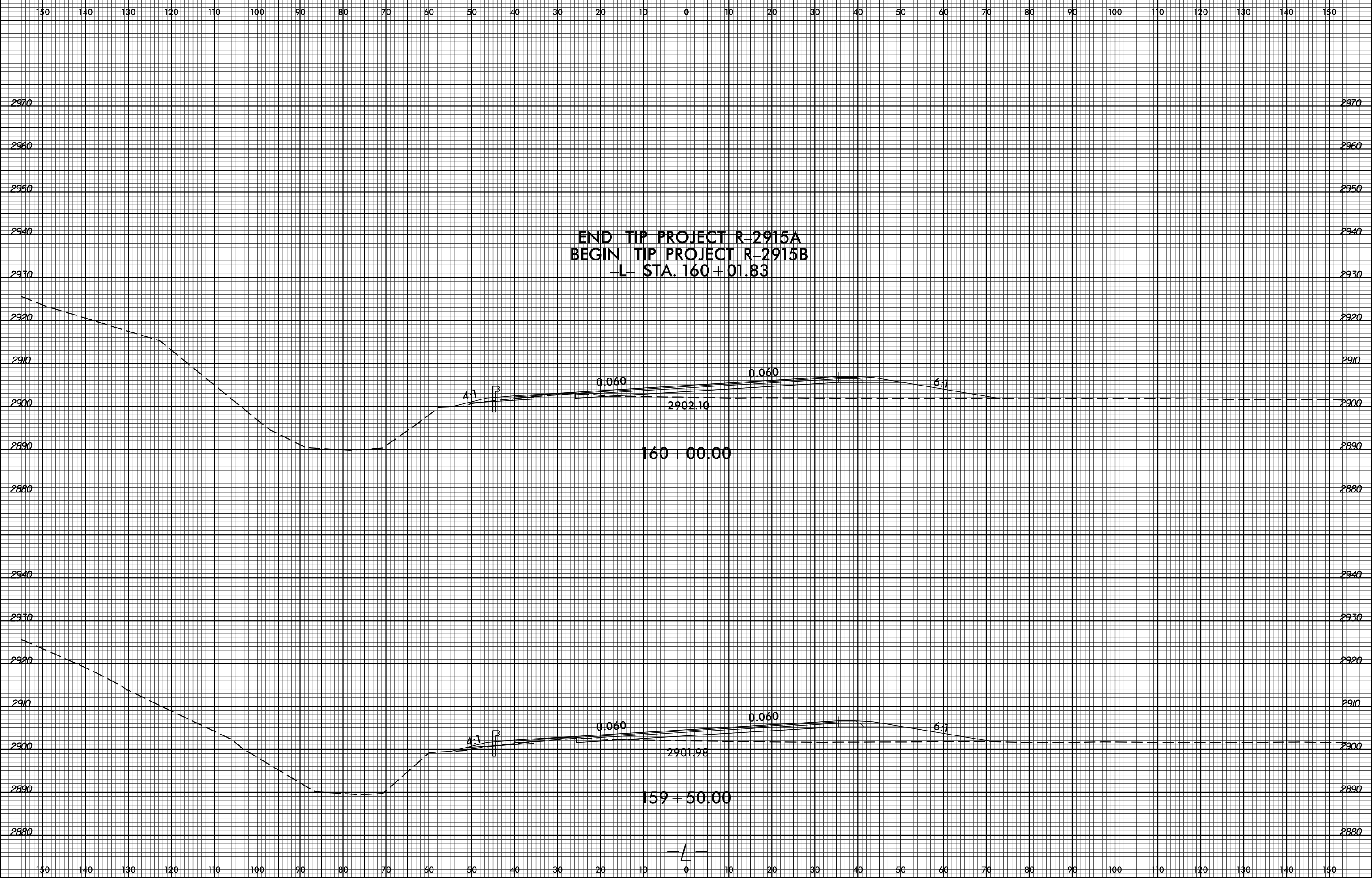
	PROJ. REFERENCE NO.	SHEET NO.
	R-2915A	X-181



SYSTEMS  
 CONSULTANTS  
 INC.  
 4101  
 15th Street, N.E.  
 Atlanta, GA 30316  
 Phone: (404) 525-8800  
 Fax: (404) 525-9900  
 www.systemsconsultants.com

8/23/99

0 5 10 ■■■■■	PROJ. REFERENCE NO. R-2915A	SHEET NO. X-182
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SYSTEMS  
SERVICES  
CORPORATION

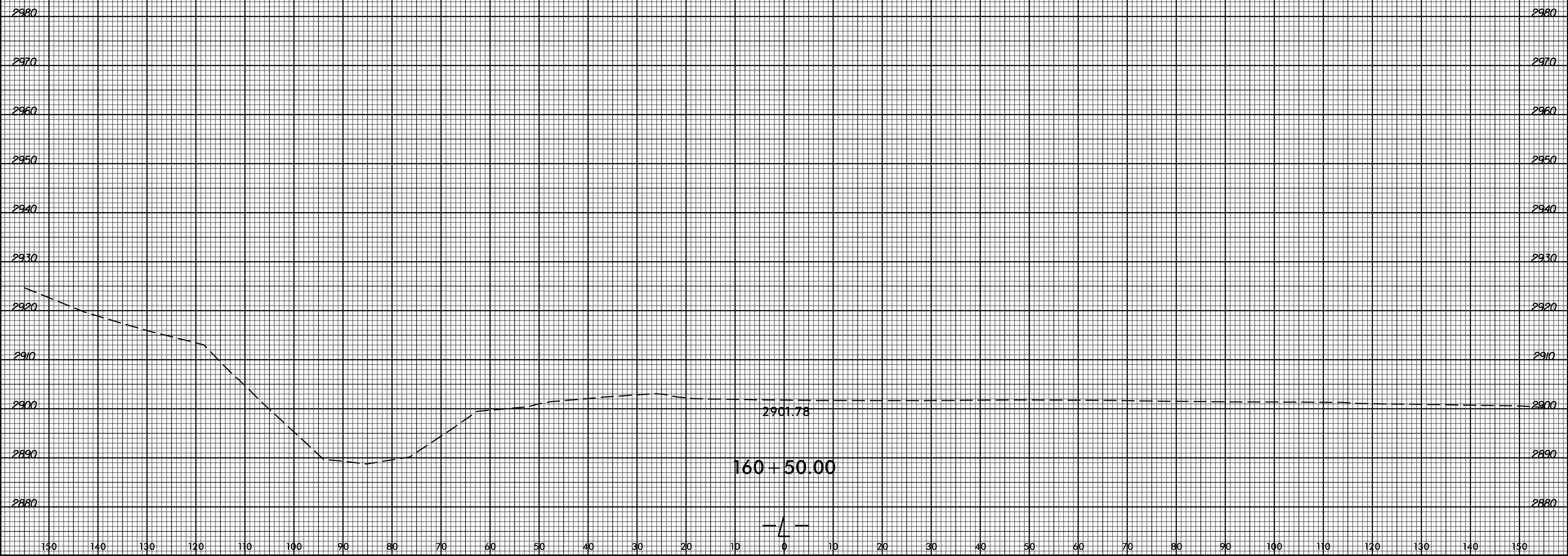
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-183

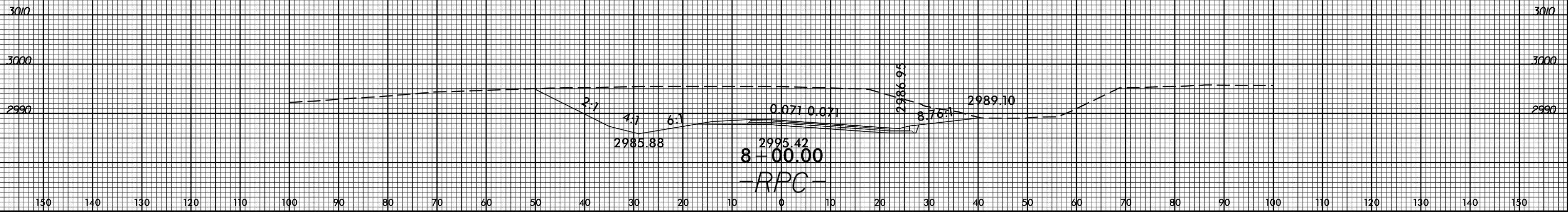
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



DATE PLOTTED: 8/23/99  
DRAWN BY: [illegible]  
CHECKED BY: [illegible]  
APPROVED BY: [illegible]  
PROJECT: R-2915A  
SHEET: X-183

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEM  
 COLUMNS  
 TIME  
 COLUMN  
 TIME  
 COLUMN  
 TIME

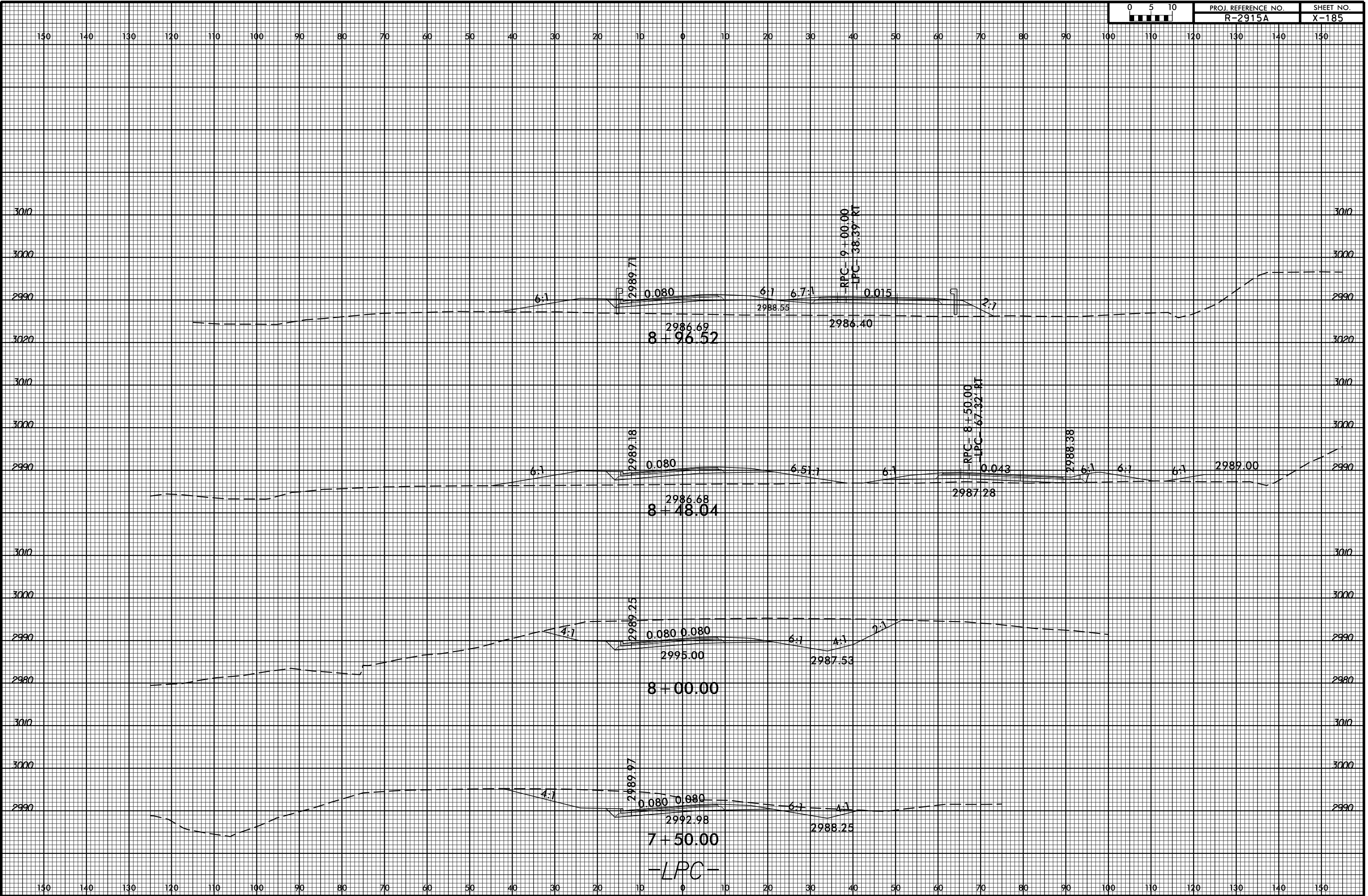


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-185

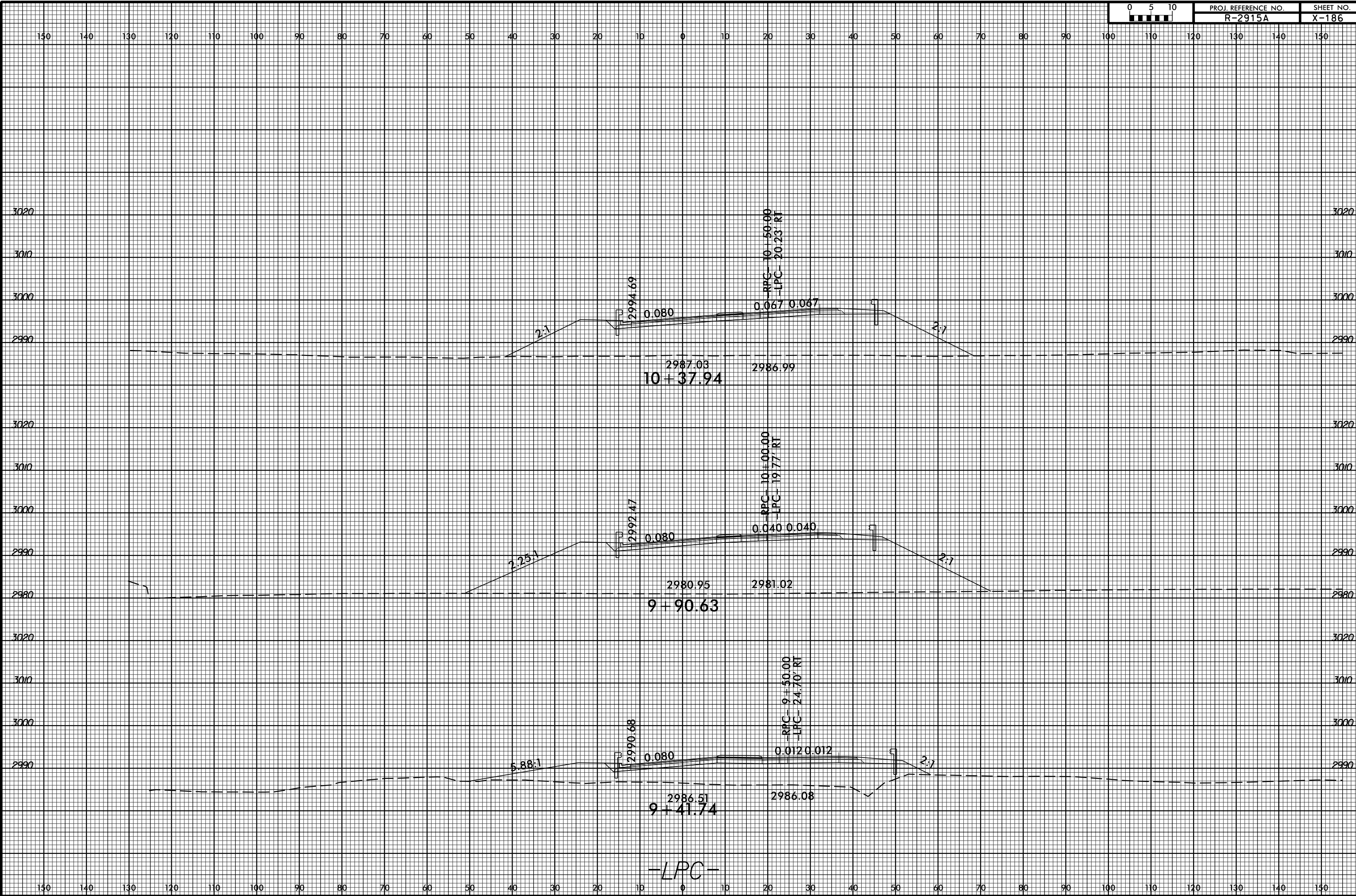


SYSTEMS  
DESIGN  
INC.

8/23/99



PROJ. REFERENCE NO. R-2915A SHEET NO. X-186

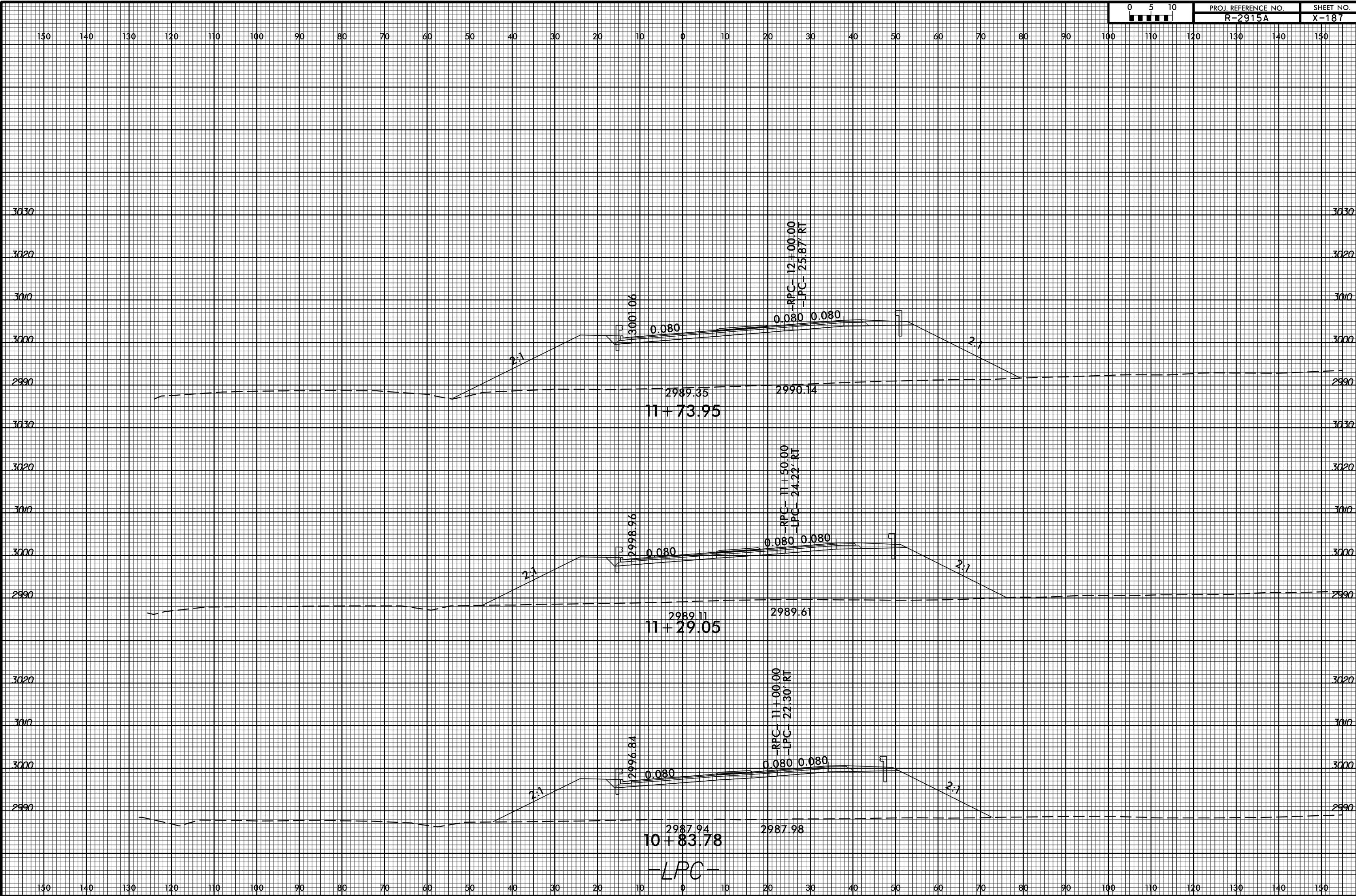


-LPC-

SYSTEMS  
DESIGN  
CONSULTANTS



8/23/99



11 + 73.95

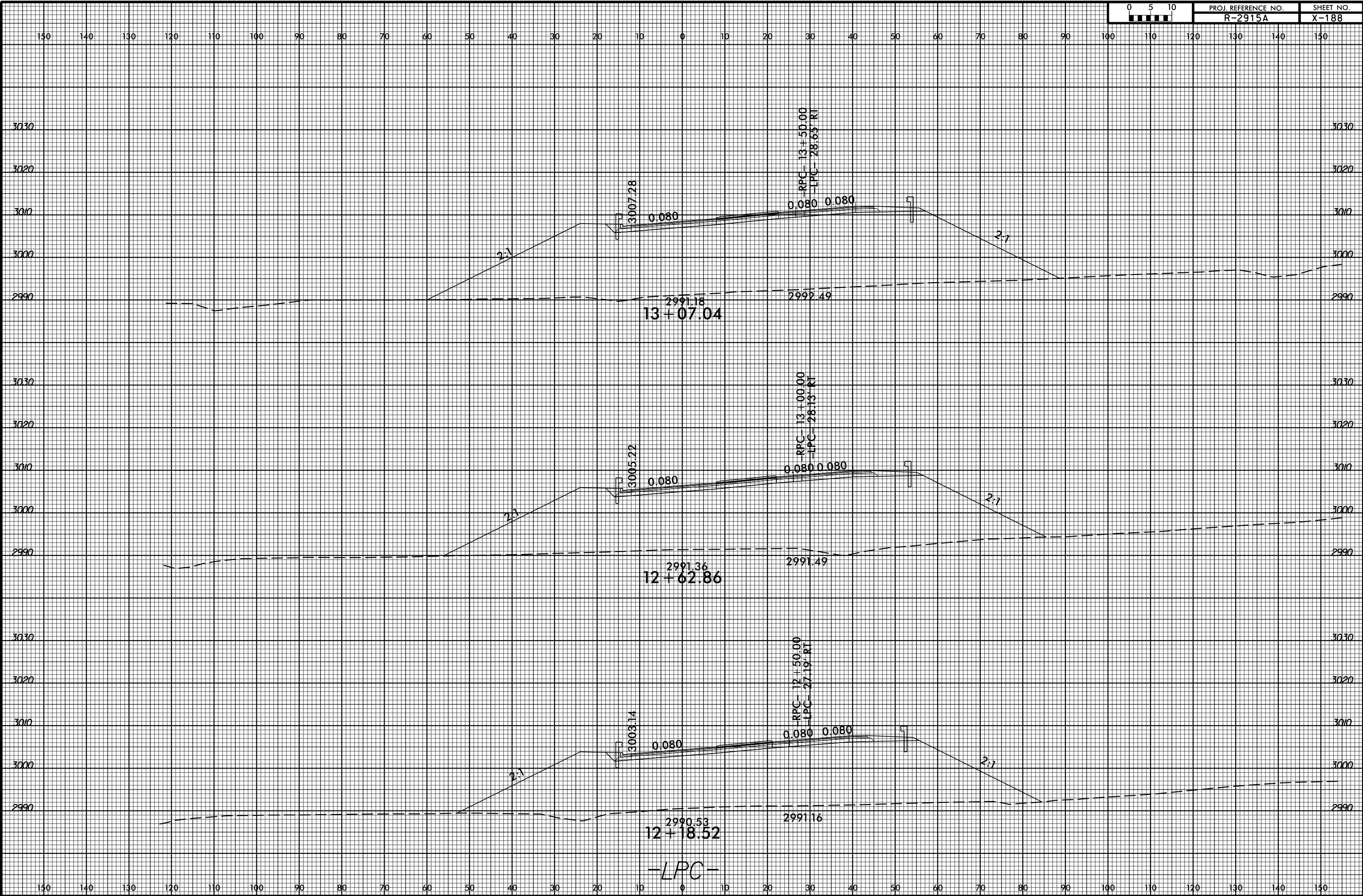
11 + 29.05

10 + 83.78

-LPC-

SYSTEMS  
SERVICES  
INCORPORATED

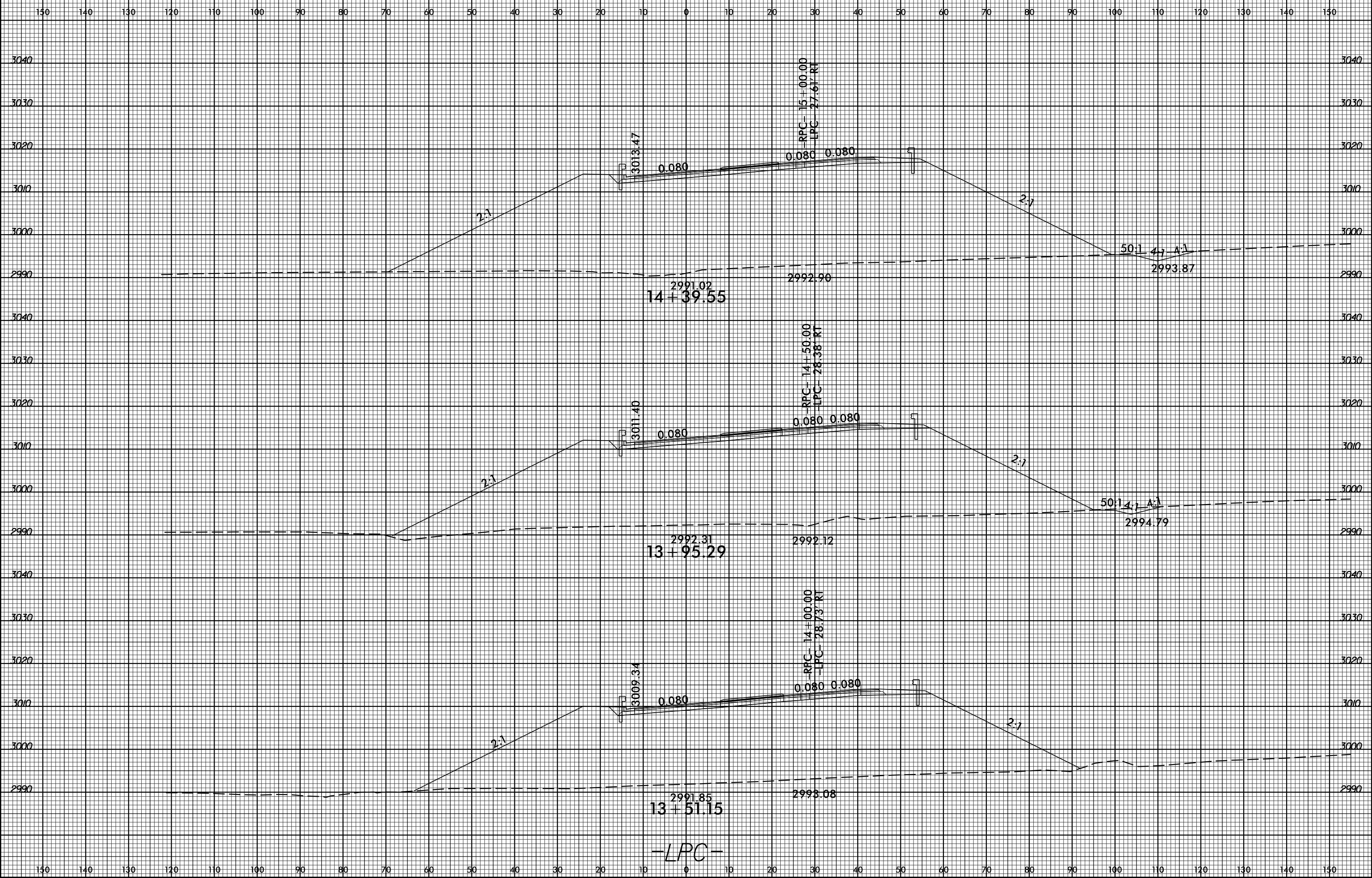
8/23/99



SYSTEMS  
DESIGN  
INC.

-LPC-

8/23/99



SYSTEMS  
SERVICES  
INCORPORATED

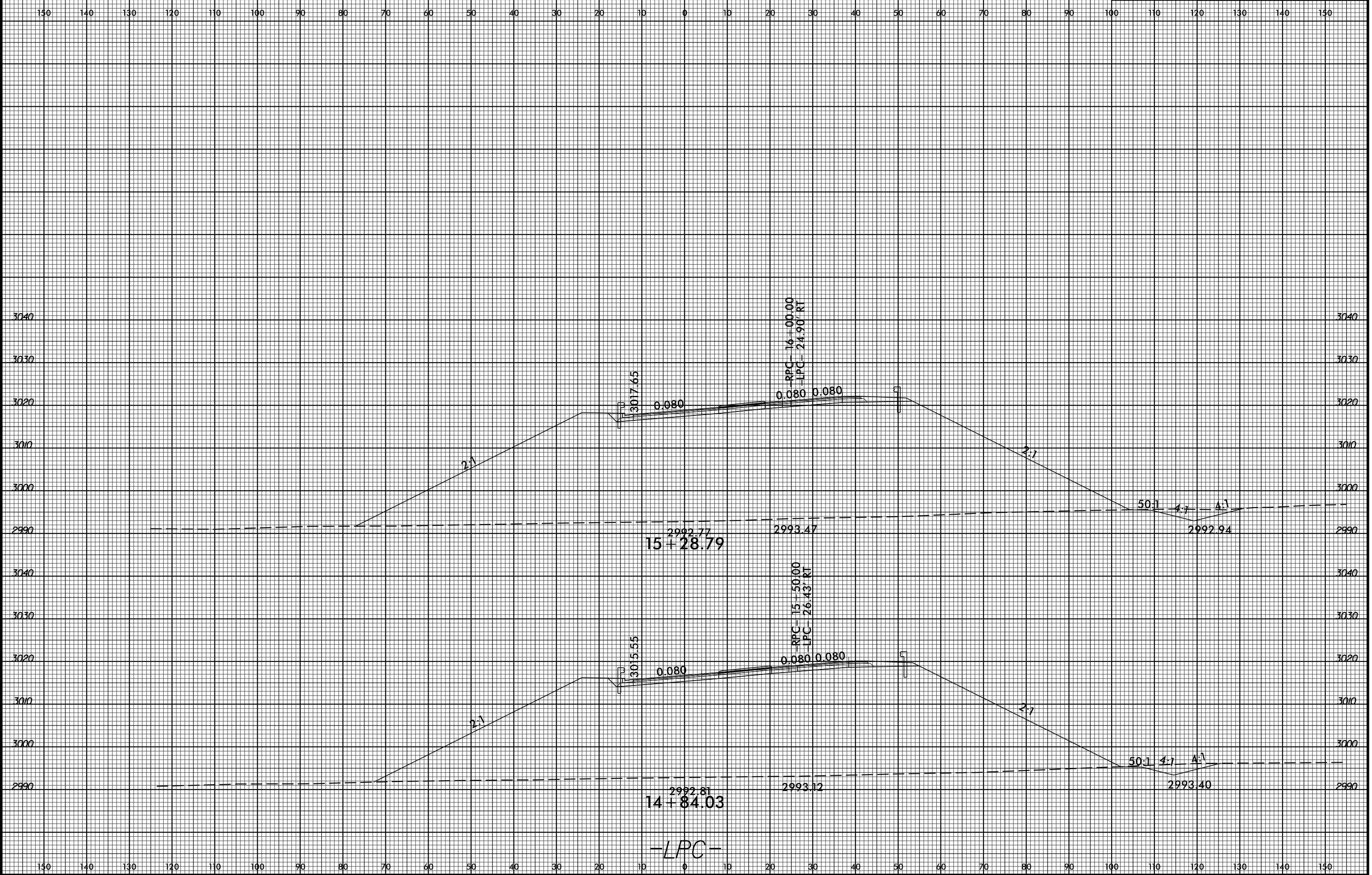
-LPC-

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-190



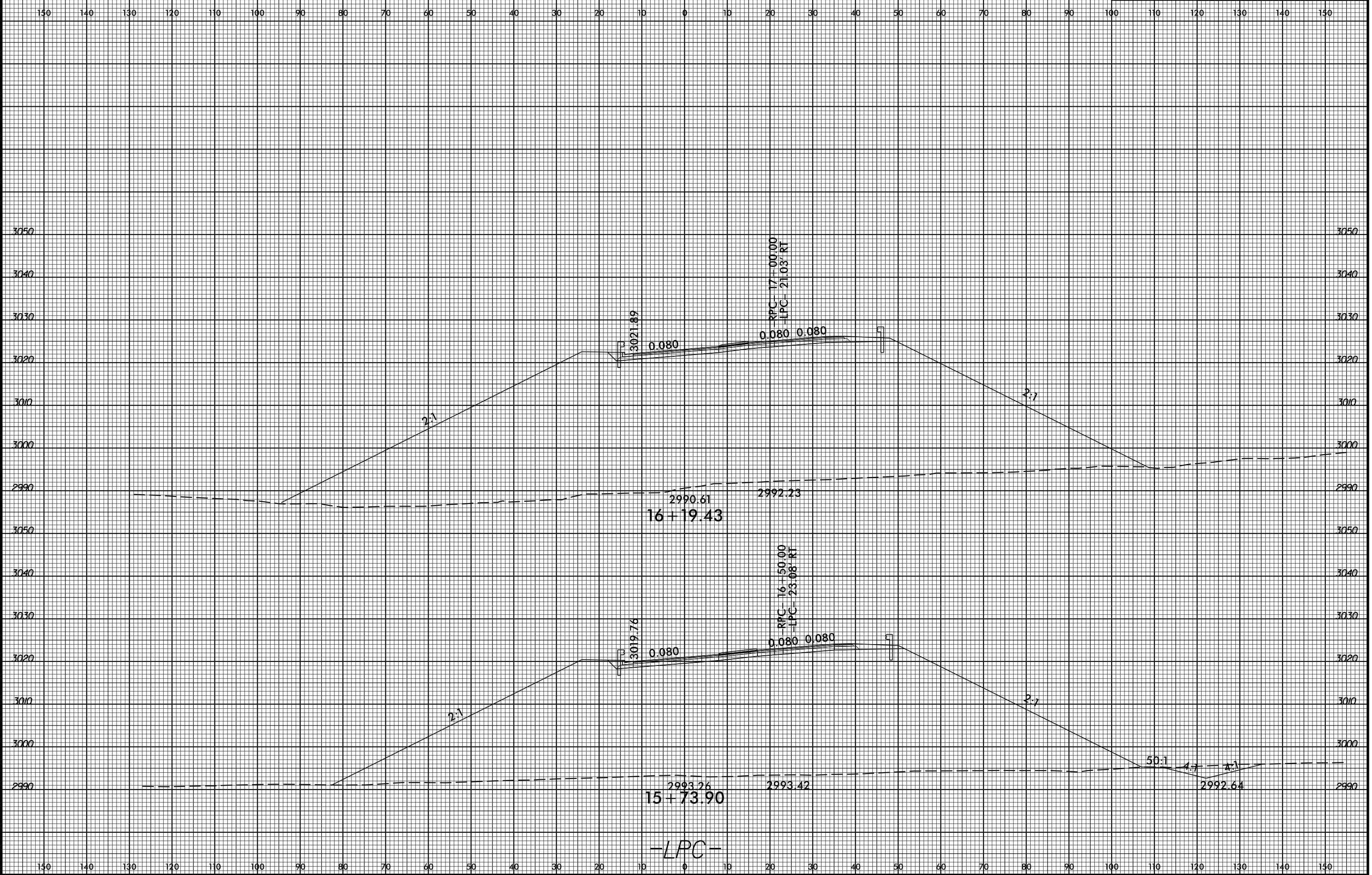
SYSTEMS  
SERVICES  
CONSULTANTS

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-191



SYSTEMS  
SERVICES  
INCORPORATED

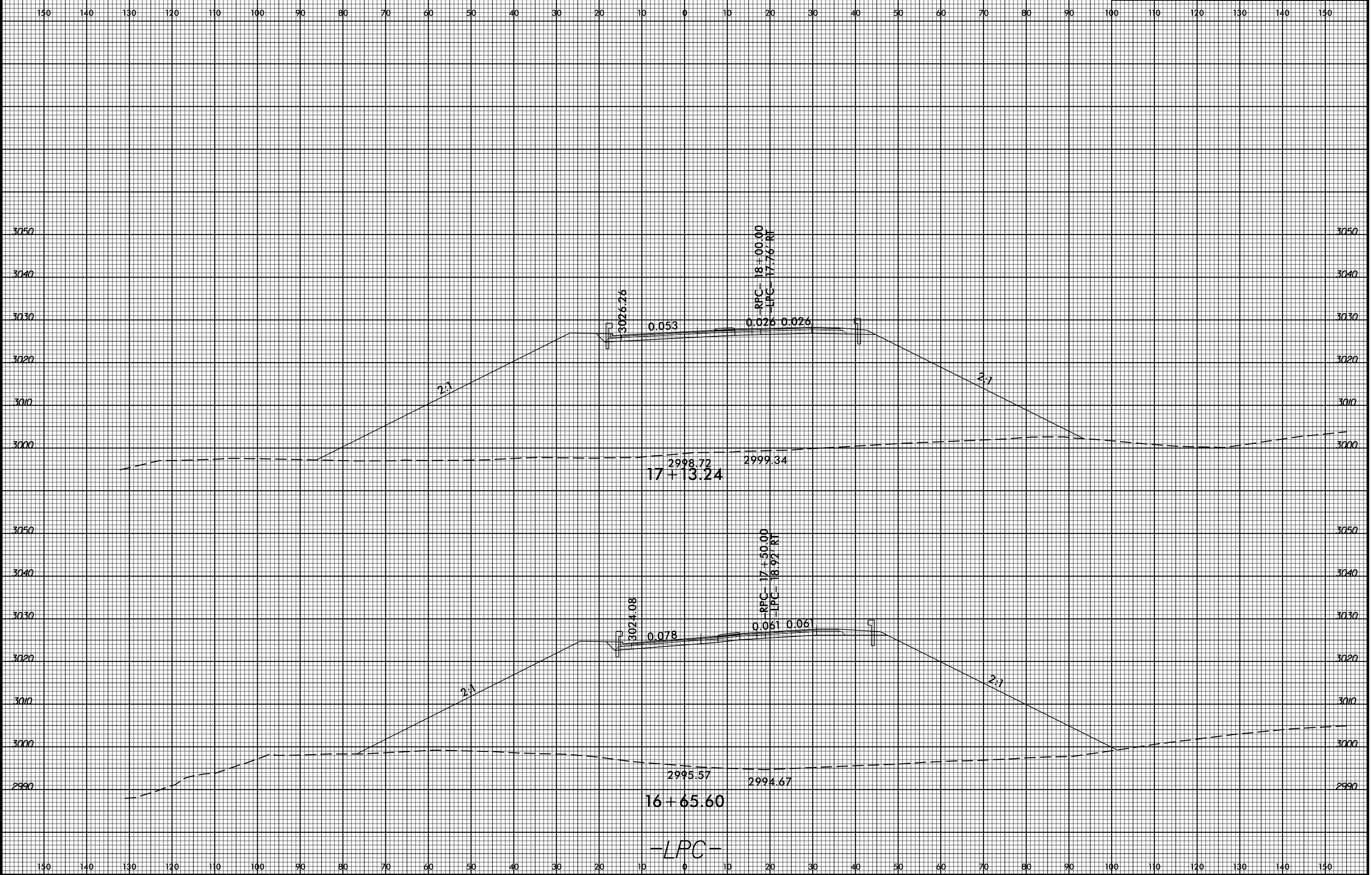
-LPC-

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-192

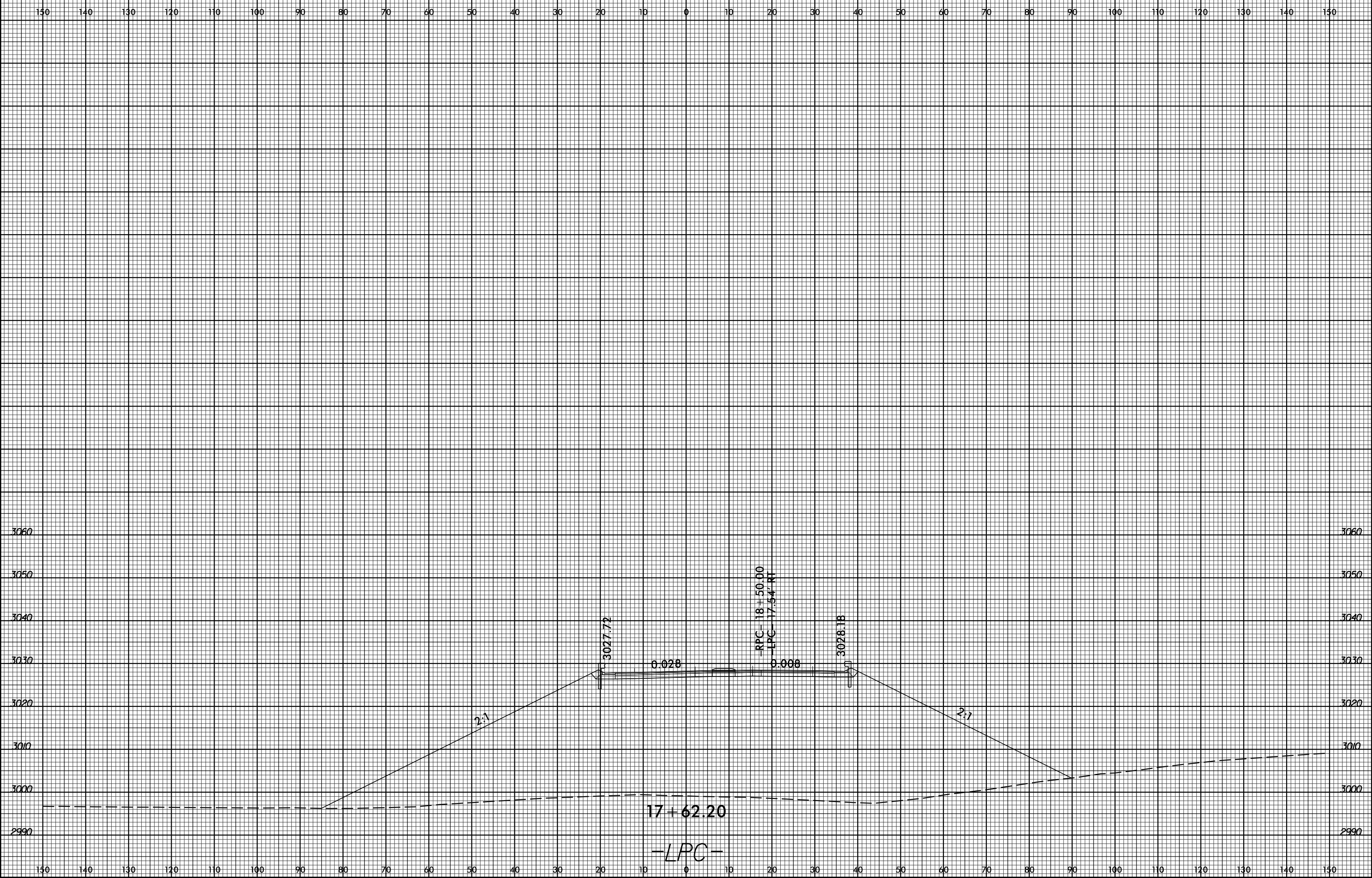


SYSTEMS  
SERVICES  
CORPORATION

8/23/99

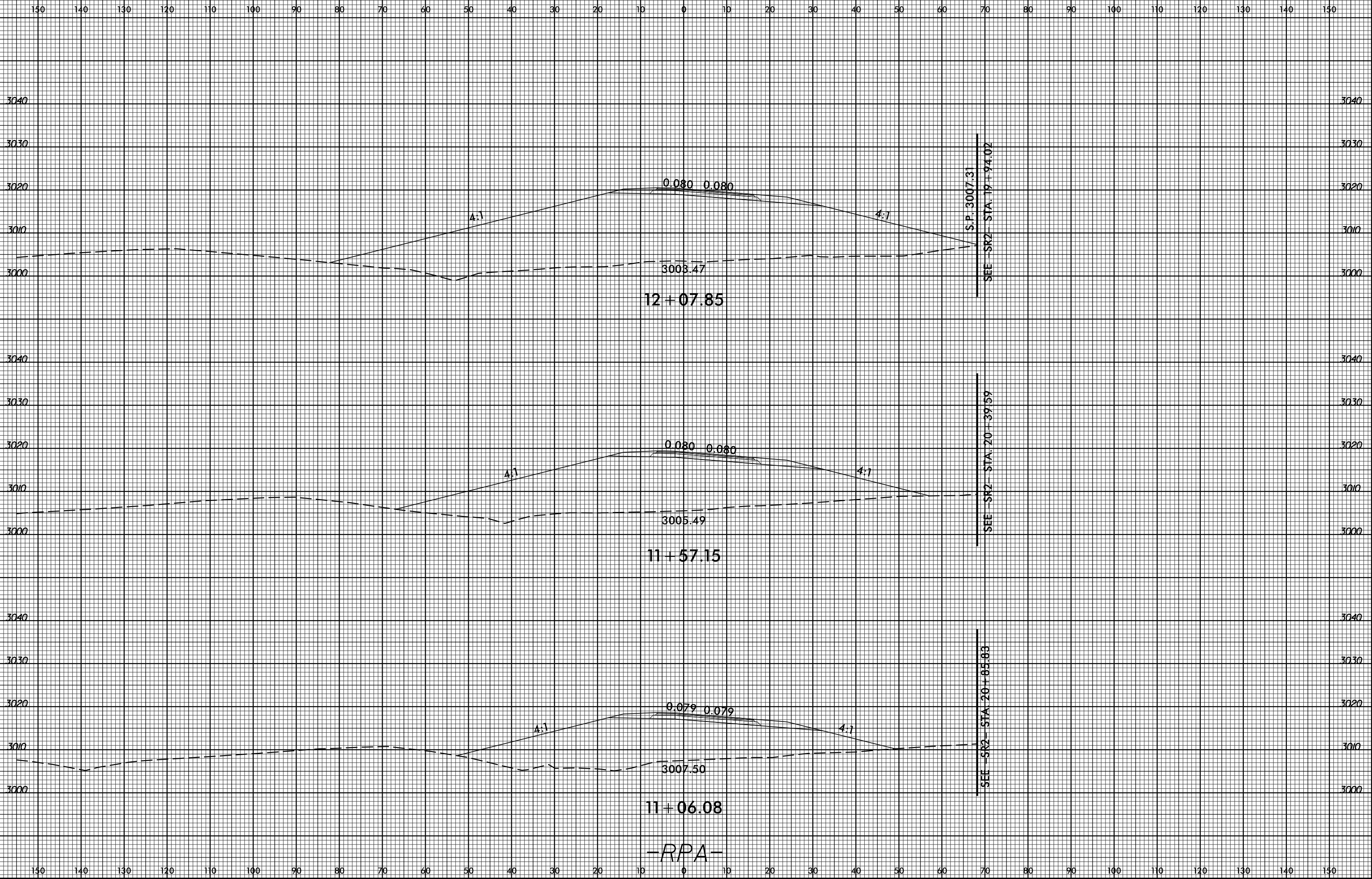


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-193



SYSTEMS  
 DESIGN  
 GROUP  
 INC.

8/23/99



-RPA-

SYSTEMS  
SERVICES  
CONSULTANTS





150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

3040 3040

3030 3030

3020 3020

3010 3010

3000 3000

4:1

0.080 0.080

4:1

S.P. 3007.77

SEE -SR2- STA. 19 + 49.25

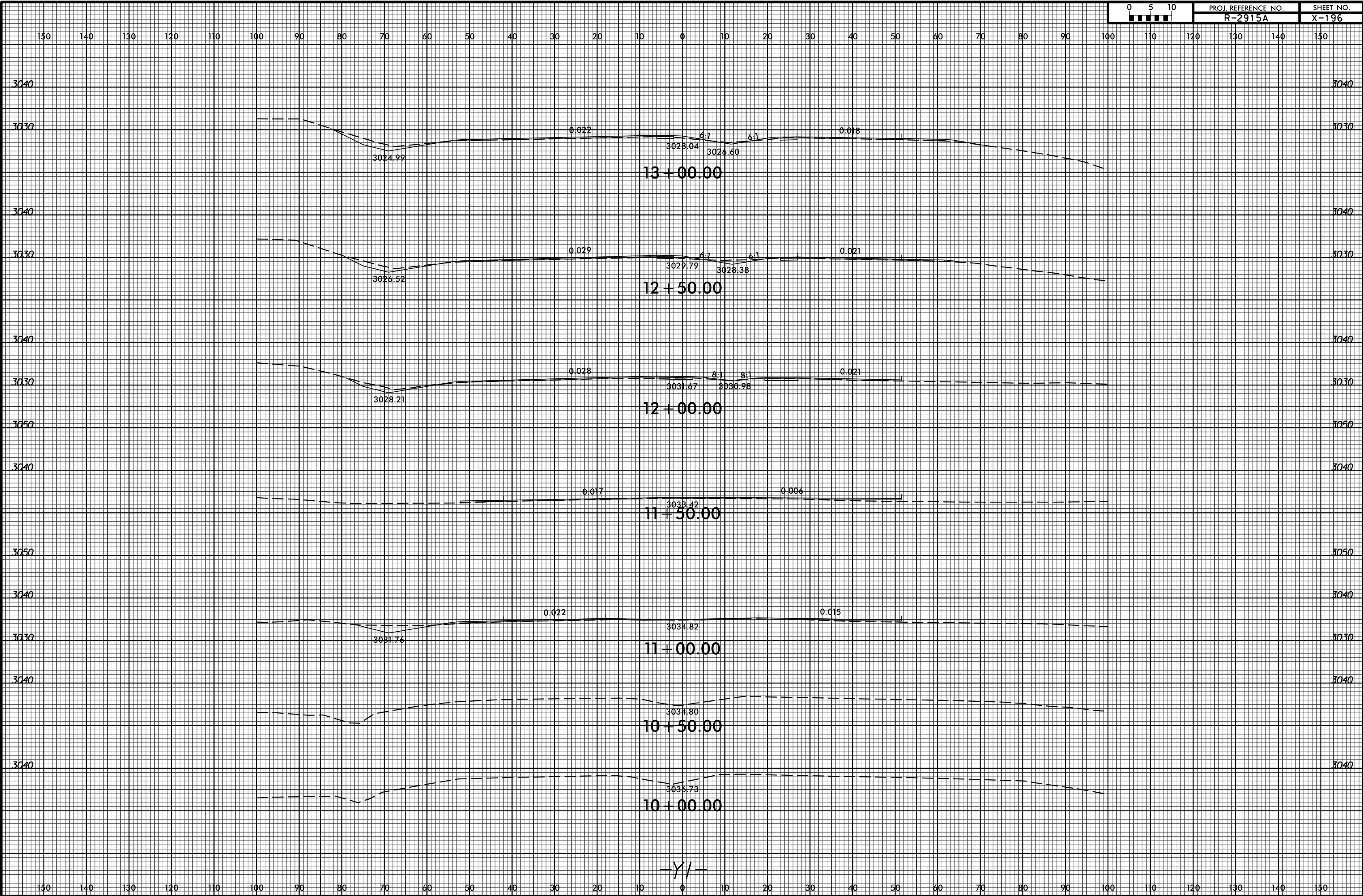
3000.22  
12 + 57.90

-RPA-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYSTEMS  
SERVICES  
CORPORATION

8/23/99



-Y/-

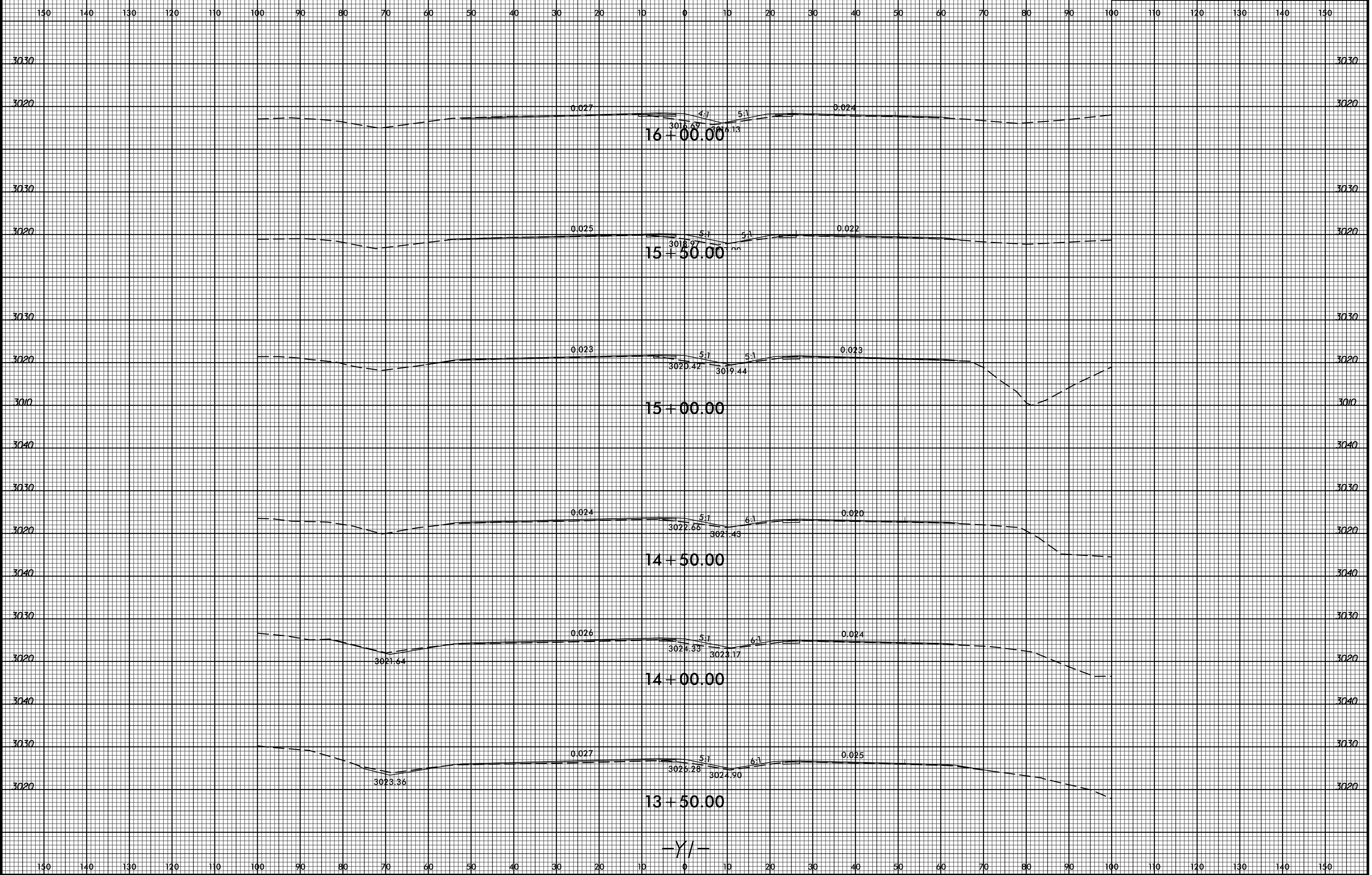
SYSTEMS  
 CONSULTANTS  
 ENGINEERS  
 ARCHITECTS  
 PLANNERS  
 INCORPORATED  
 1000 RIVER STREET  
 SUITE 200  
 WASHINGTON, DC 20001  
 (202) 638-1000  
 WWW.SCEA.COM

8/23/99



PROJ. REFERENCE NO.  
R-2915A

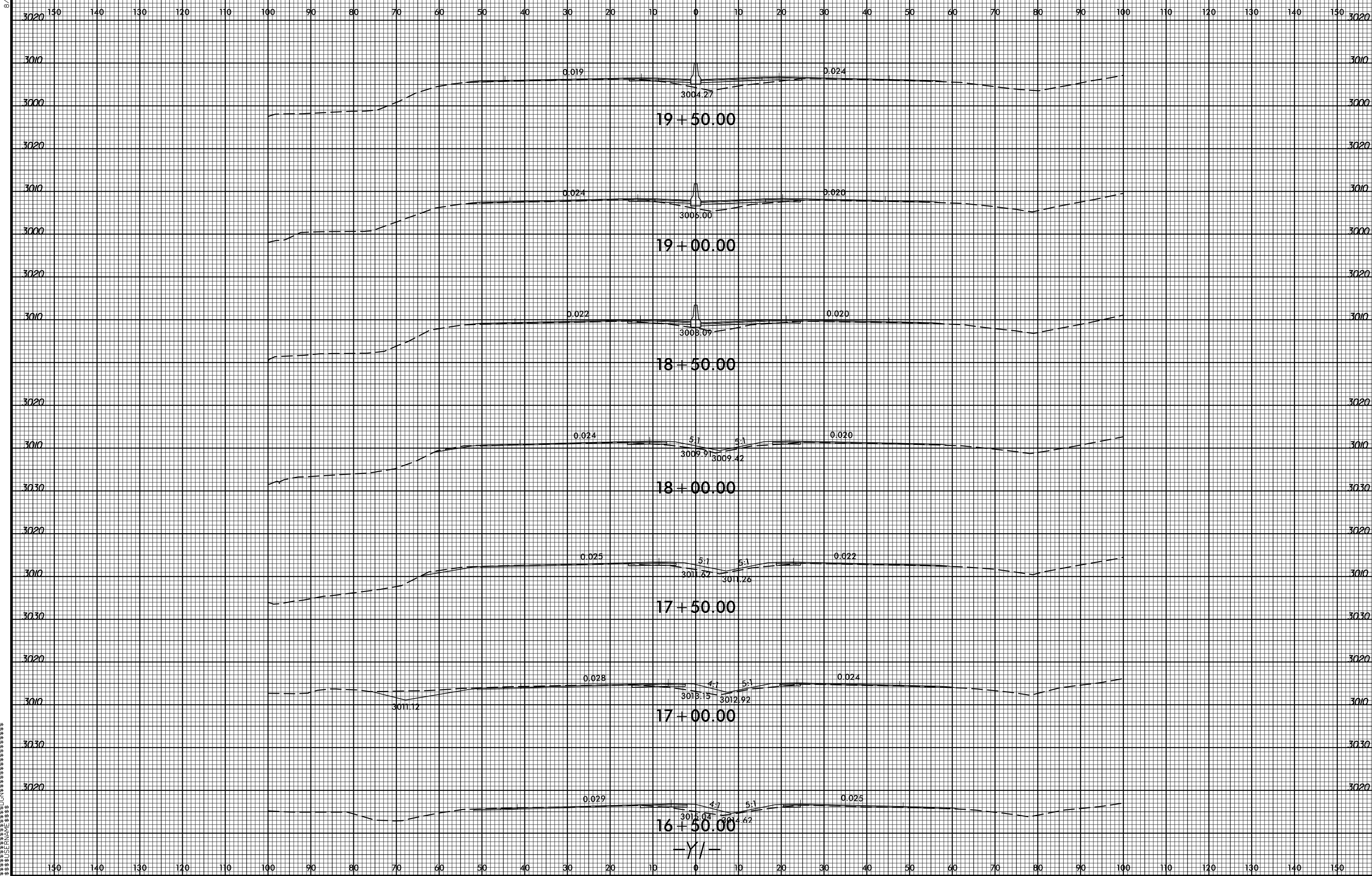
SHEET NO.  
X-197



SYSTEMS  
DESIGN  
INC.

-Y/-

8/23/99



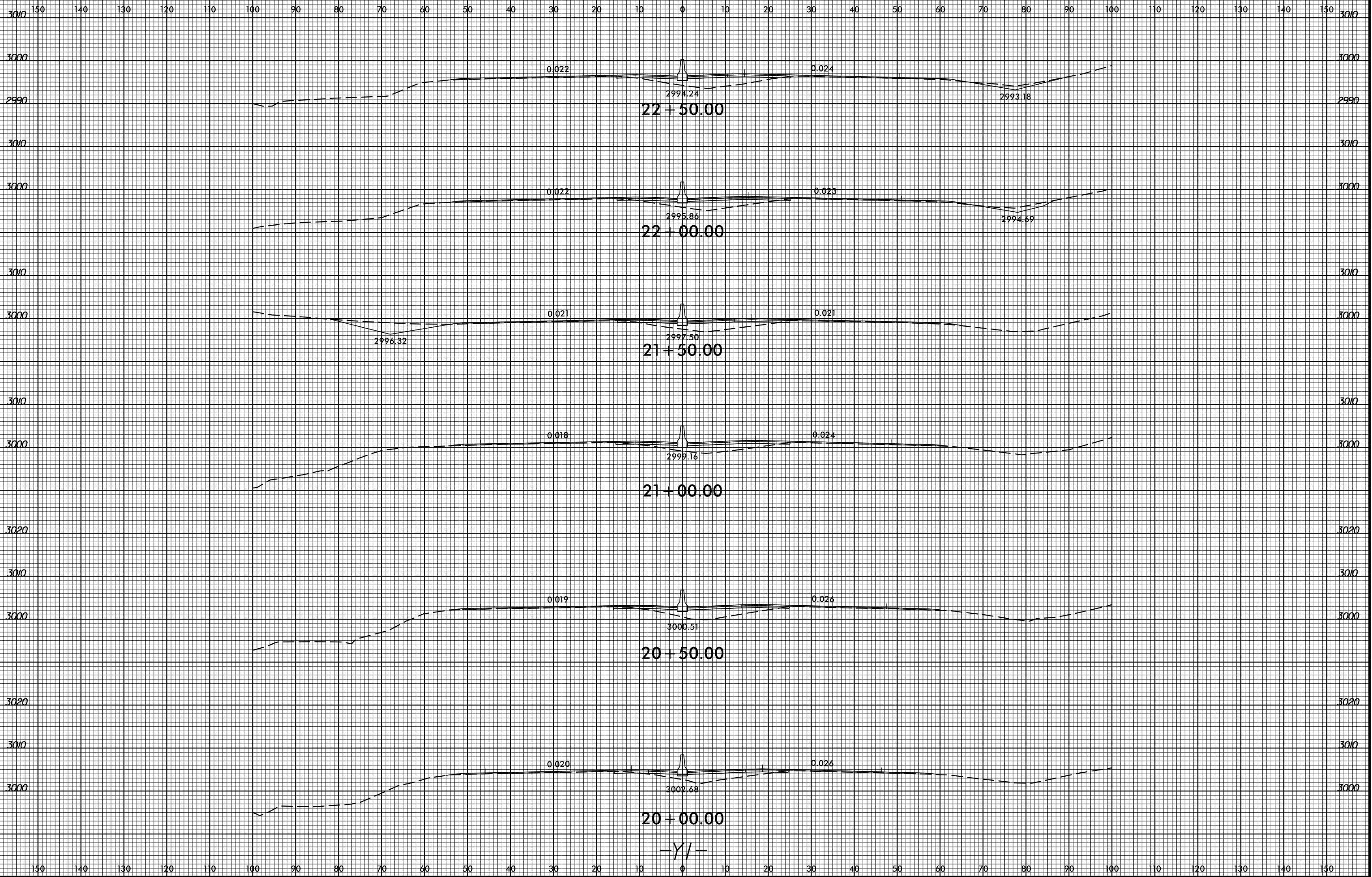
SYSTEMS  
CONSULTANTS

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-199



-Y/-

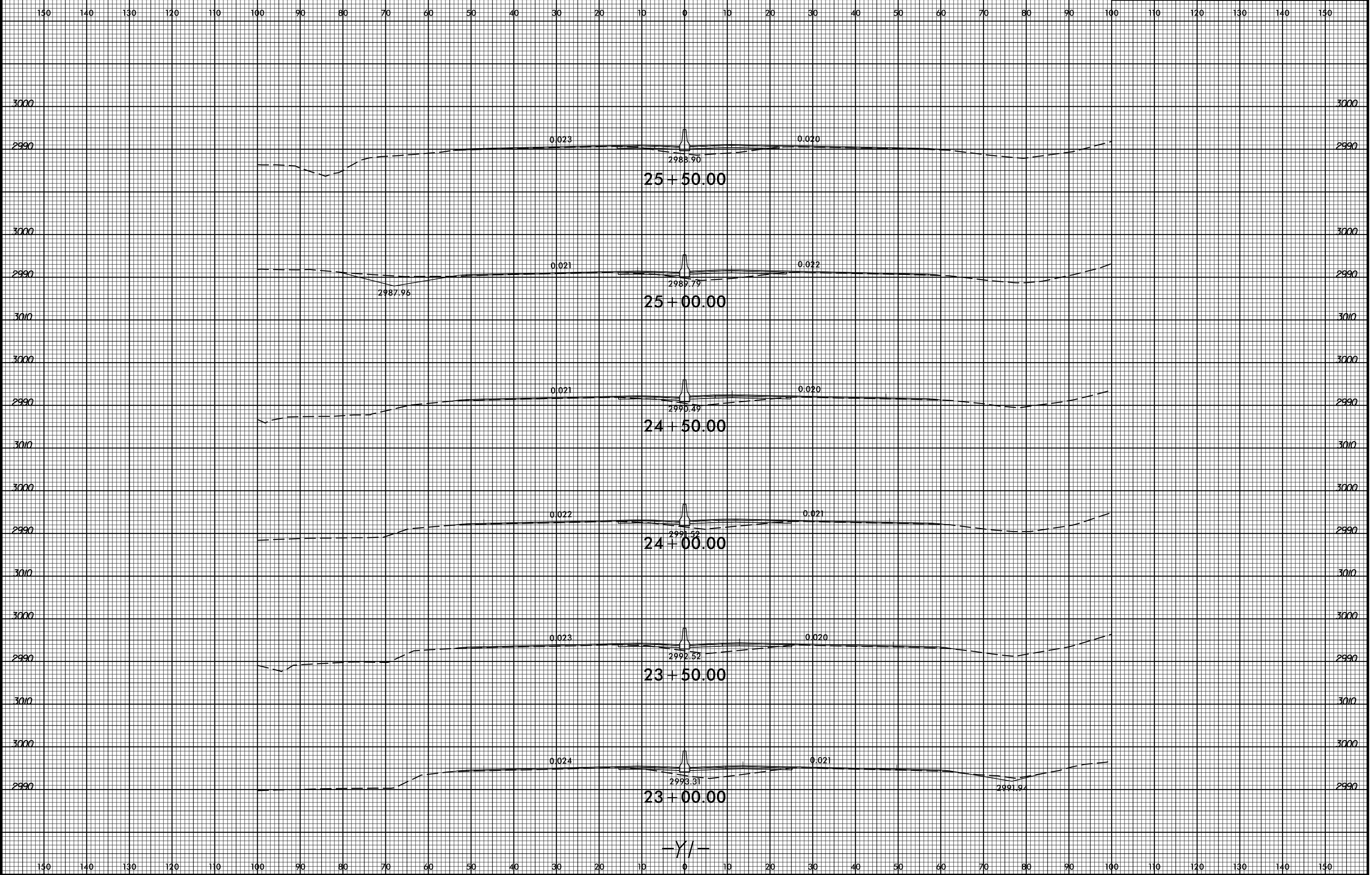
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

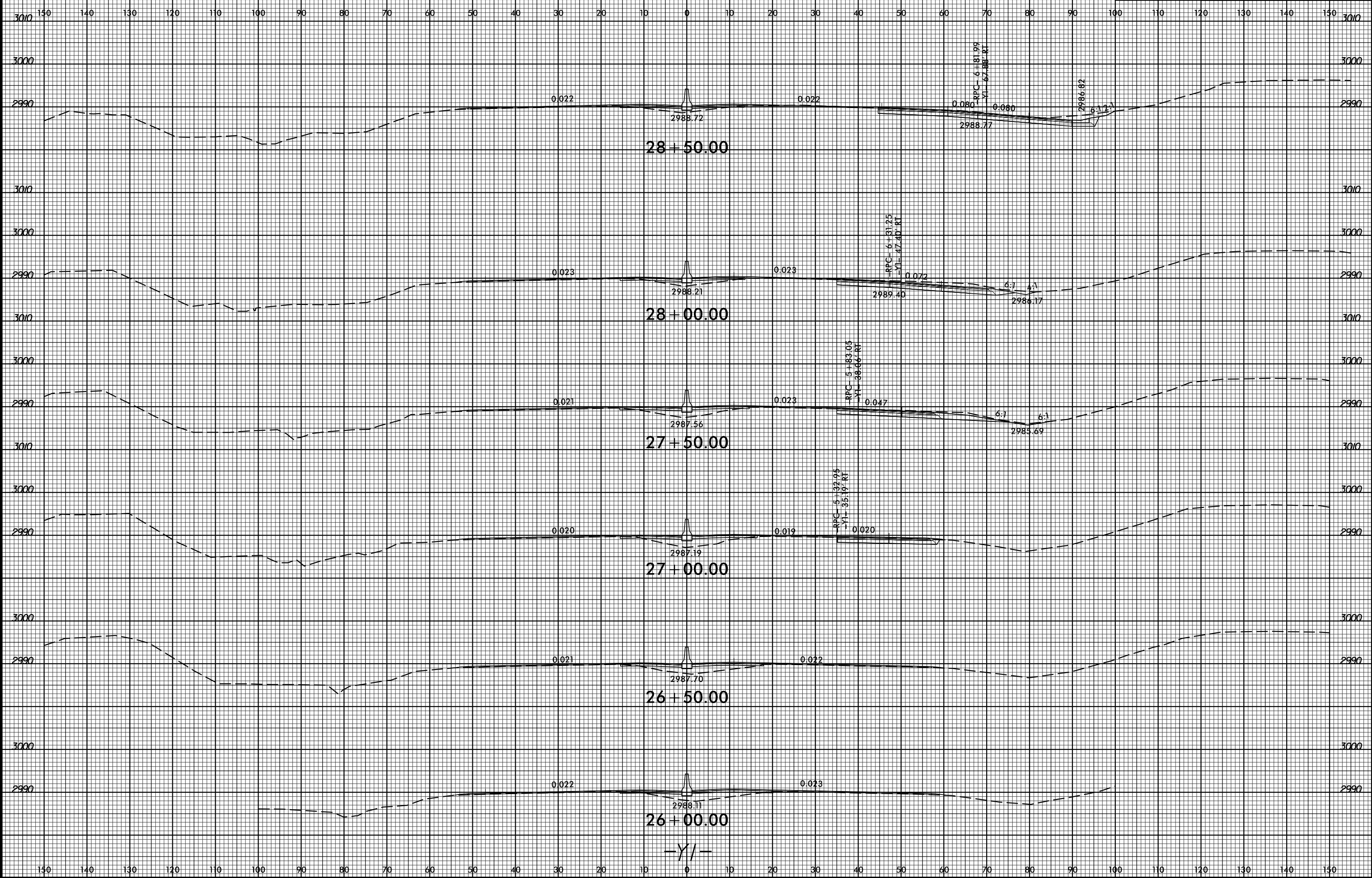
SHEET NO.  
X-200



-Y/-

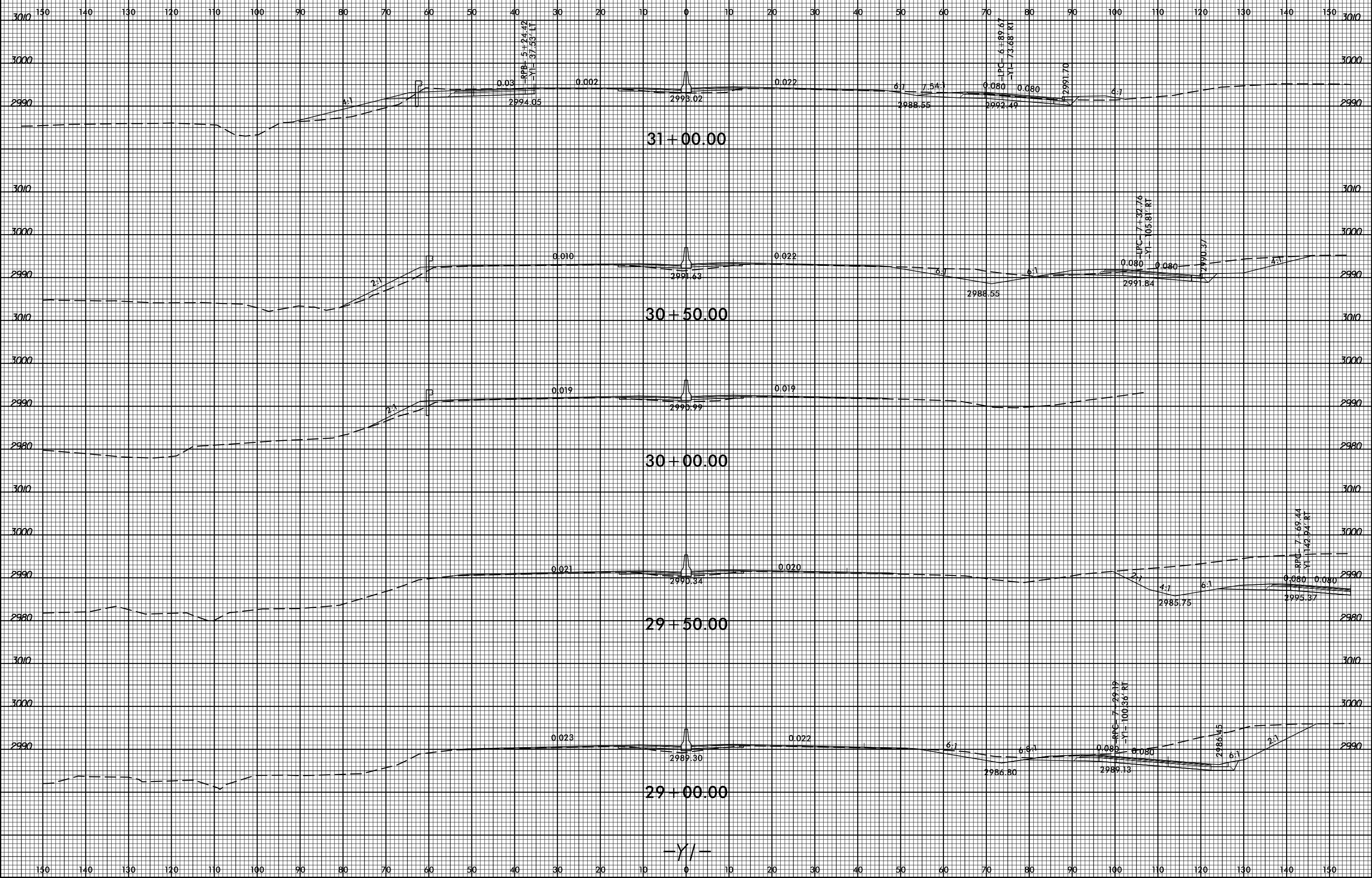
SYSTEMS  
CONSULTANTS  
INCORPORATED

8/23/99



SYSTEMS

8/23/99



SYSTEMS

-YI-

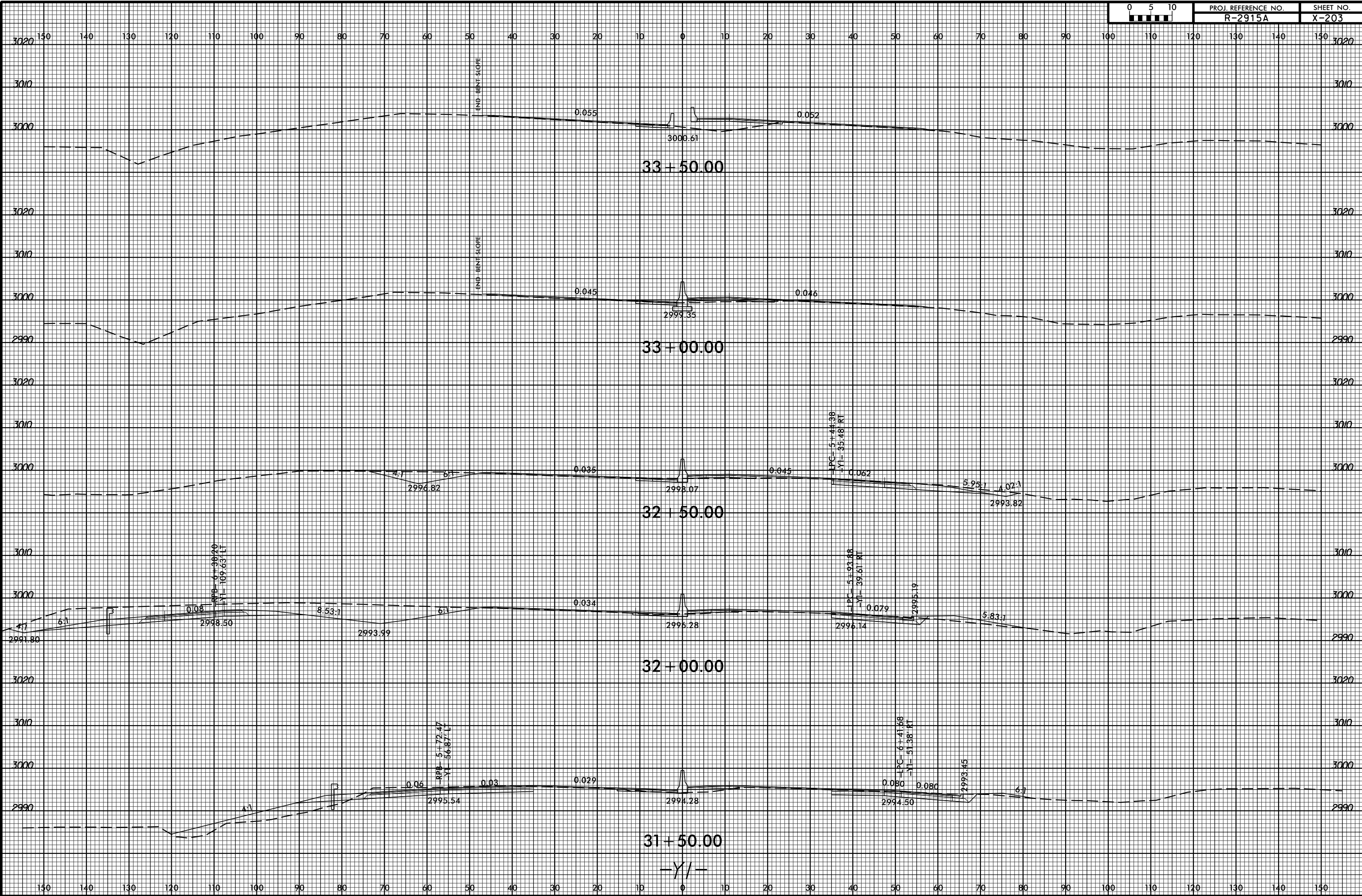


8/23/99



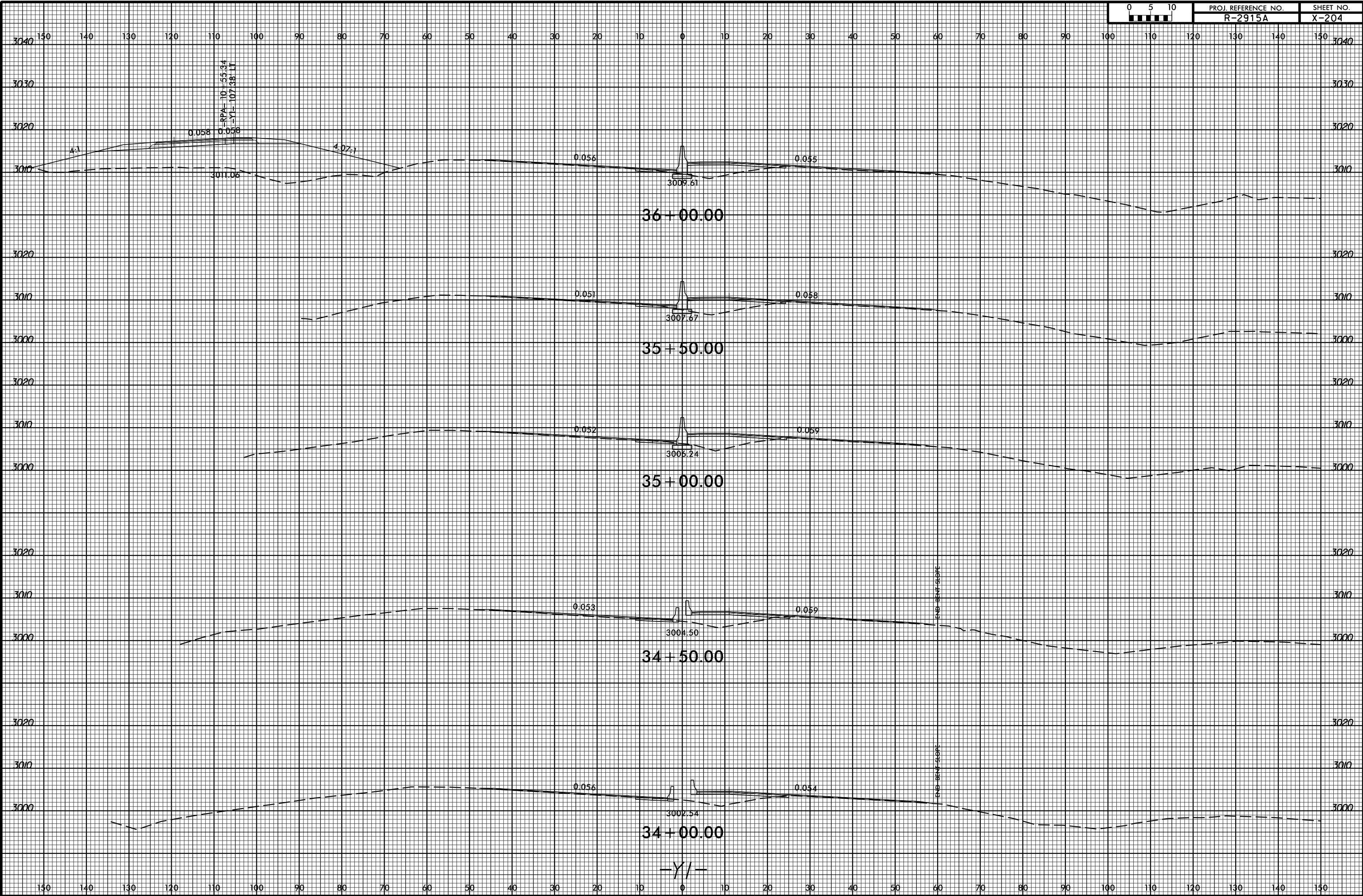
PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-203



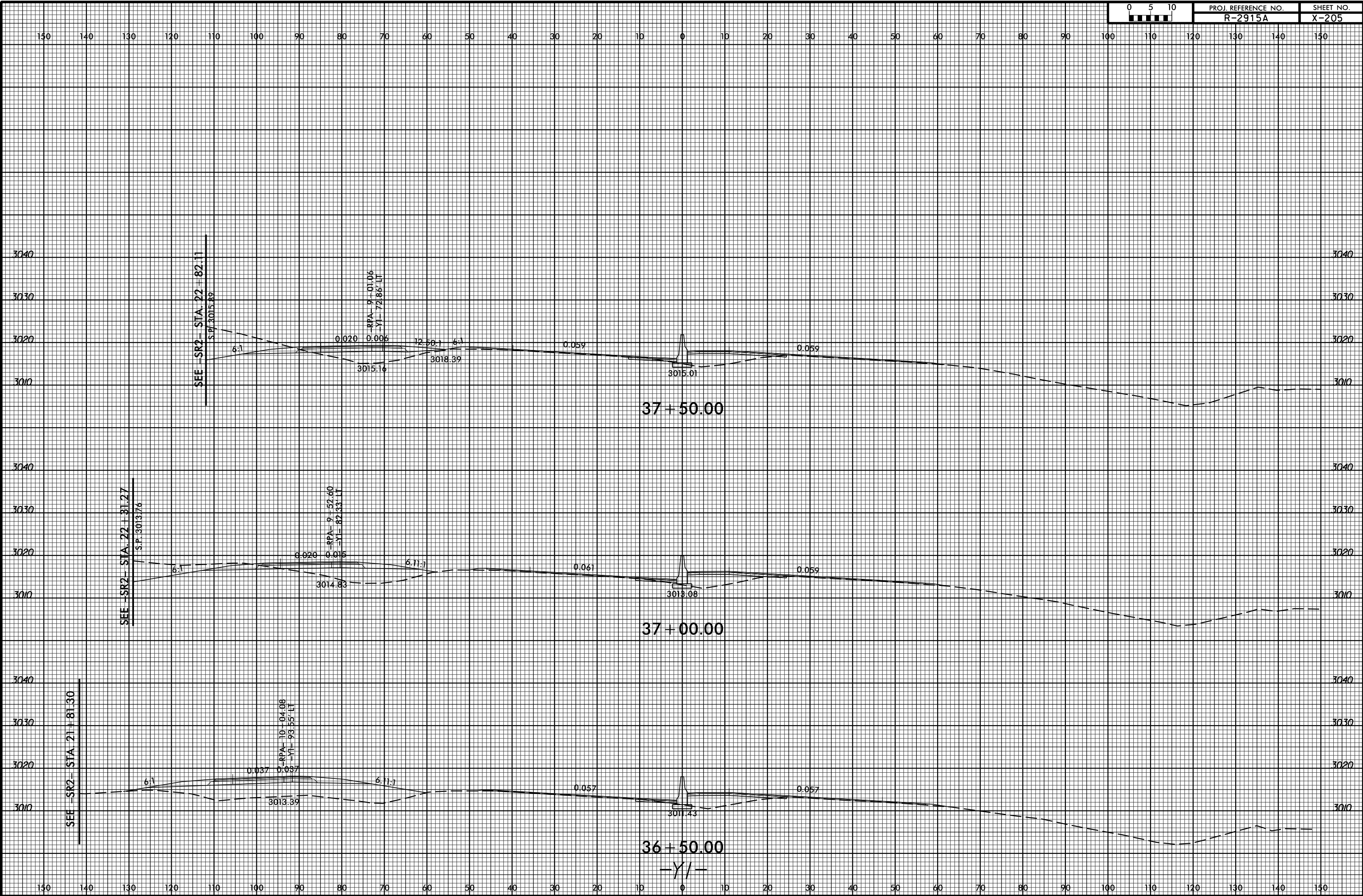
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



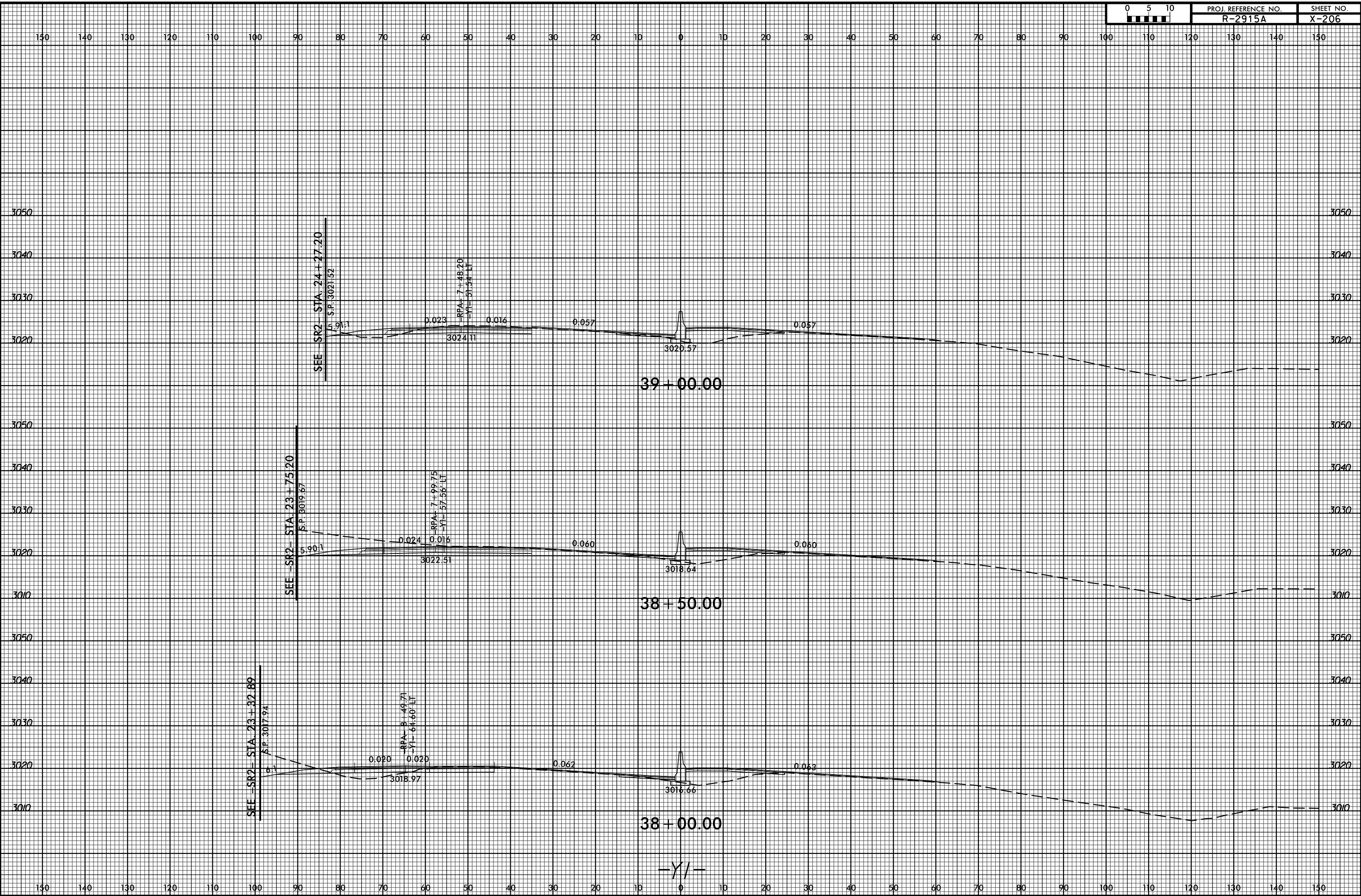
SYSTEMS

8/23/99



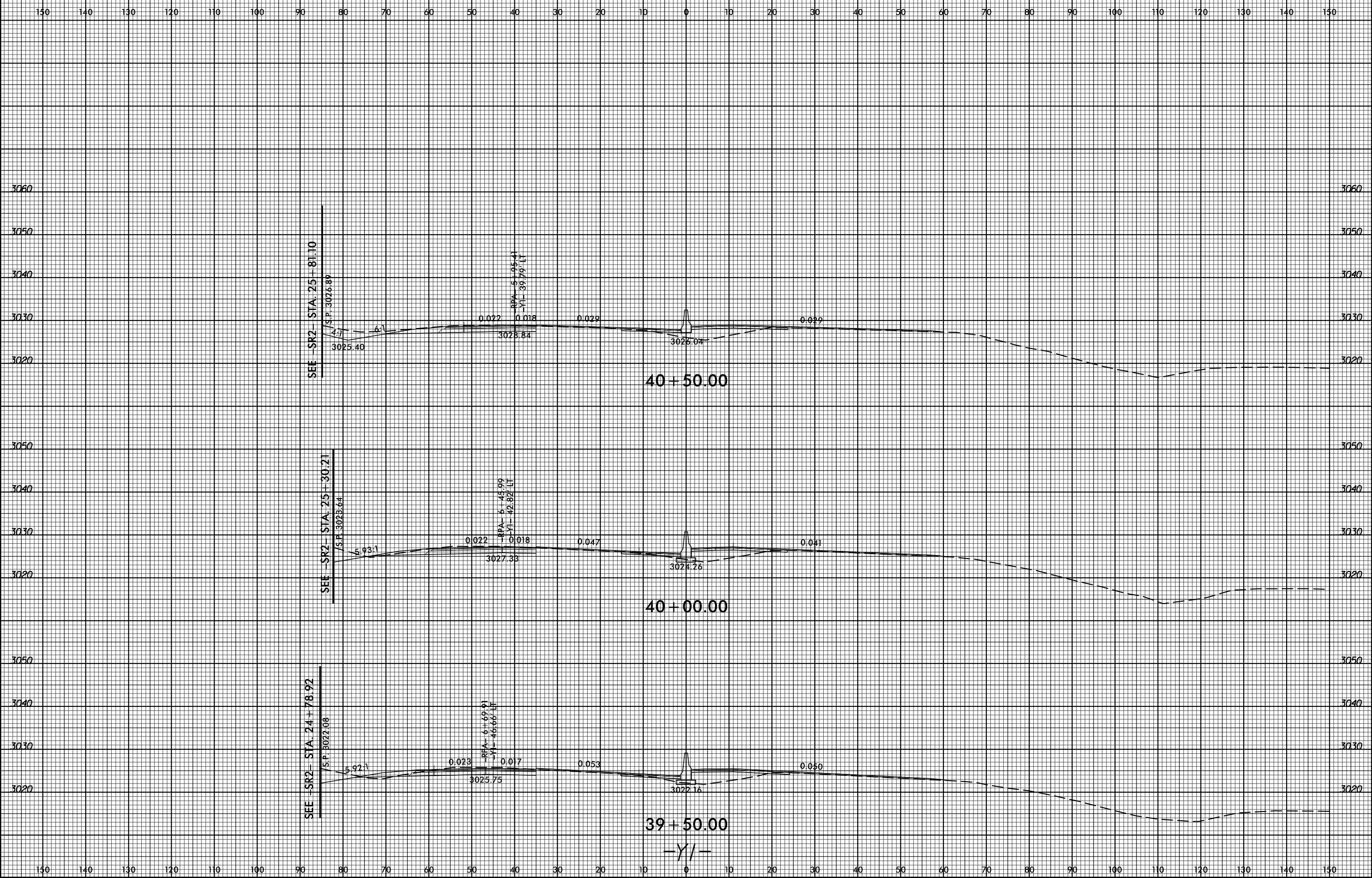
SYSTEMS

8/23/99



SYSTEMS

-YI-



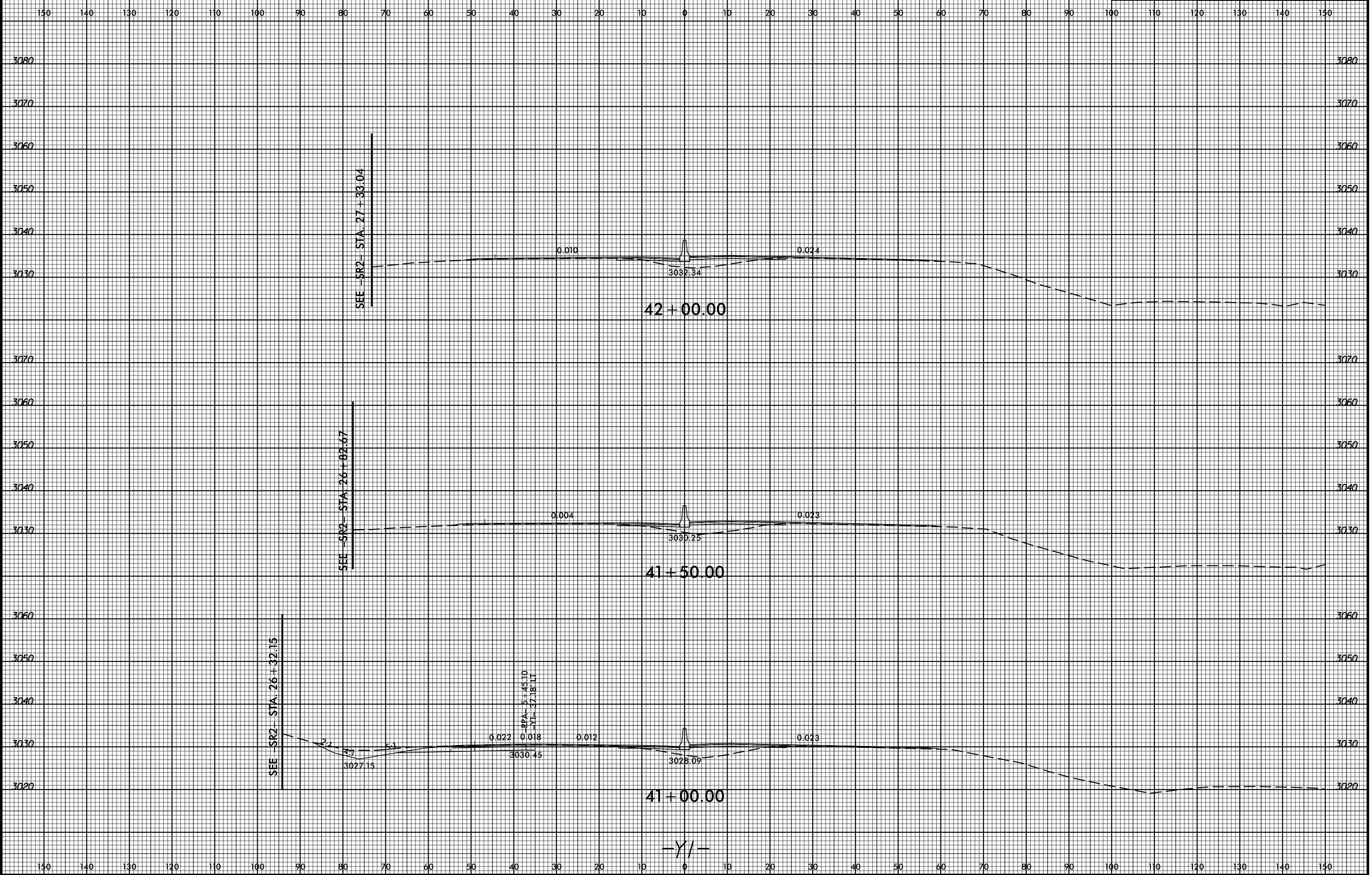
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-208



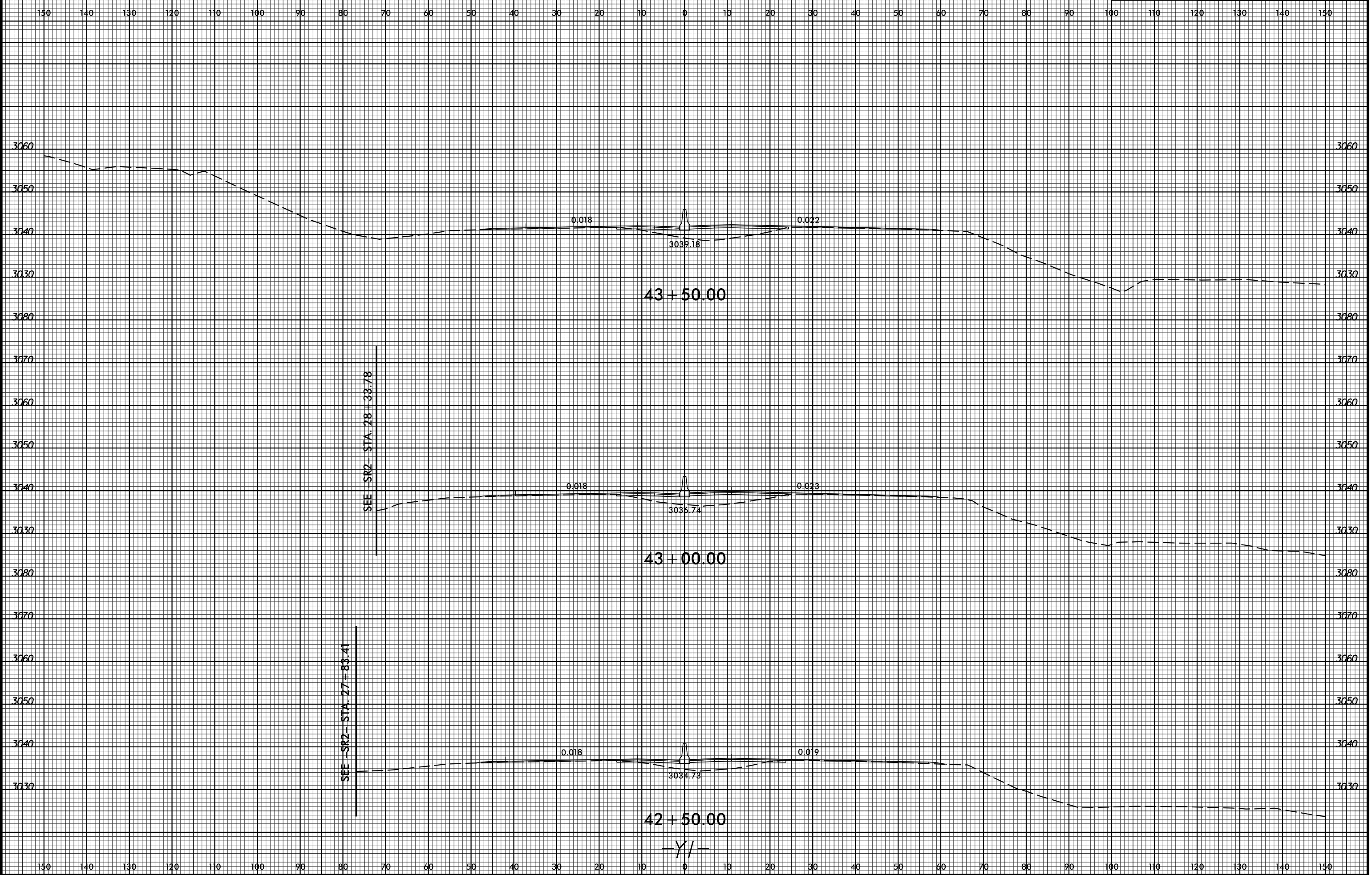
SYSTEMS  
SERVICES  
CONSULTANTS

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-209



SEE -SR2- STA. 28 + 33.78

SEE -SR2- STA. 27 + 83.41

42 + 50.00

43 + 00.00

43 + 50.00

-Y/-

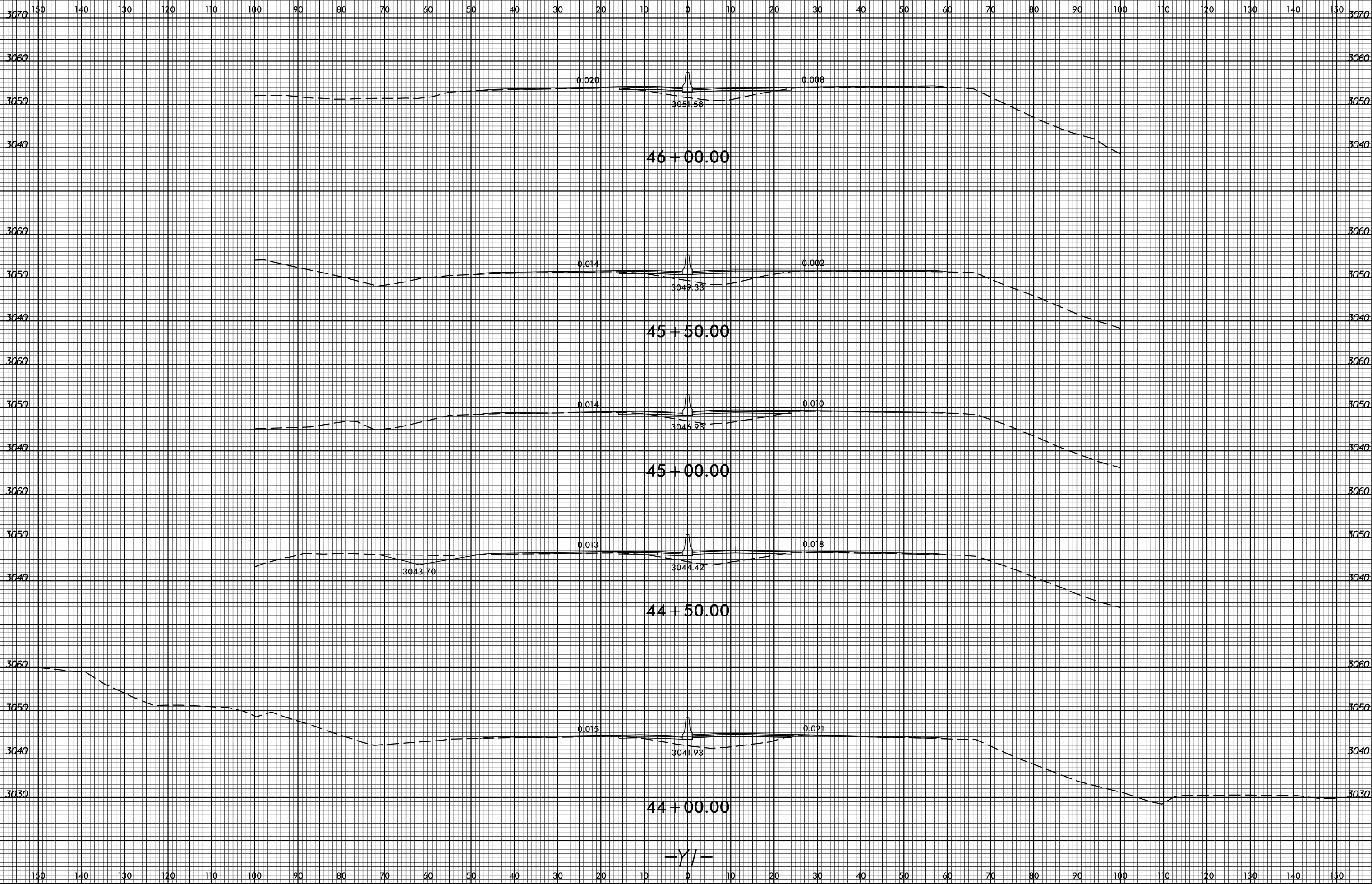
SYSTEMS

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-210



SYSTEMS  
DESIGN  
CONSULTANTS

-Y/-



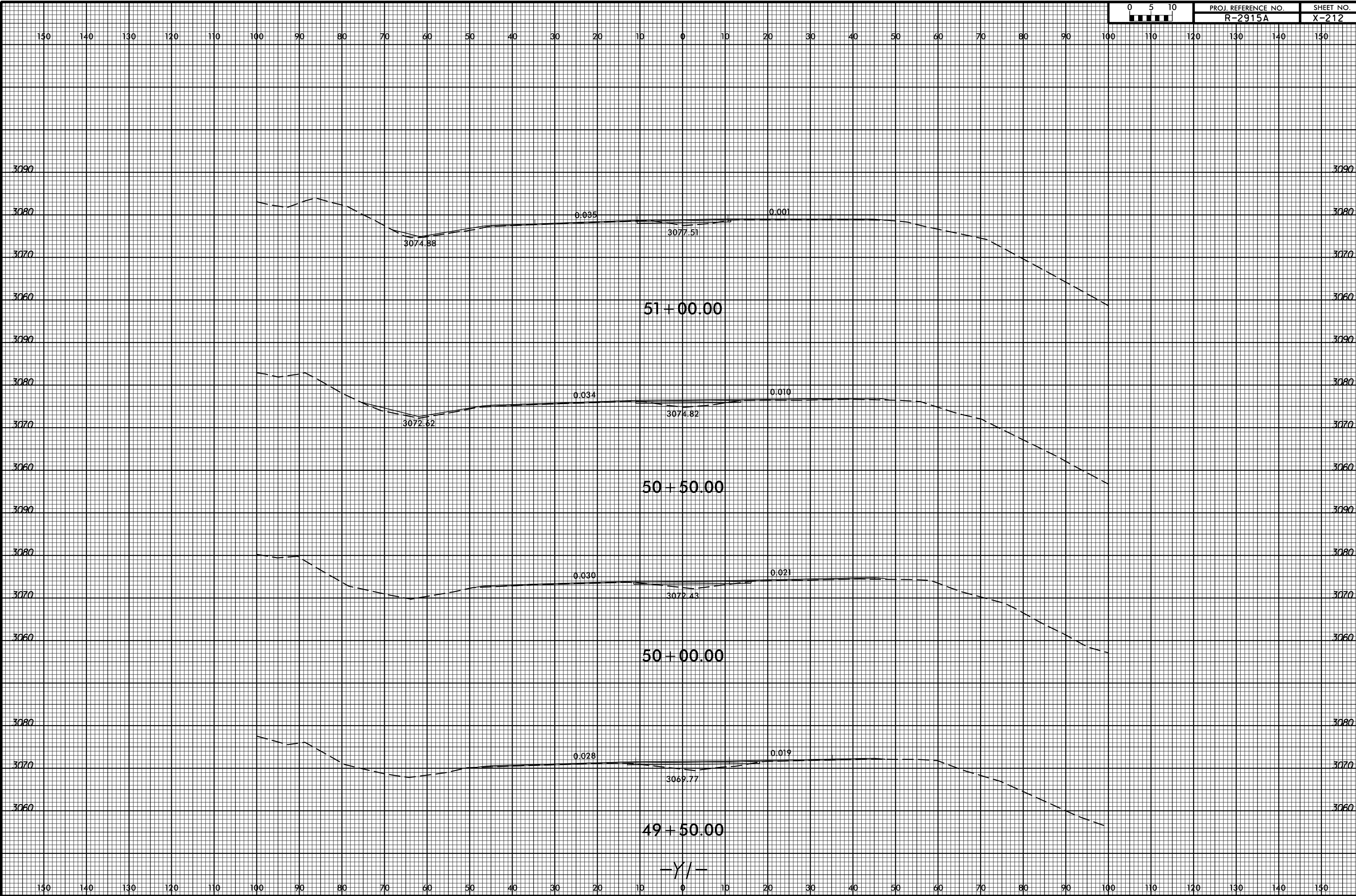


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-212

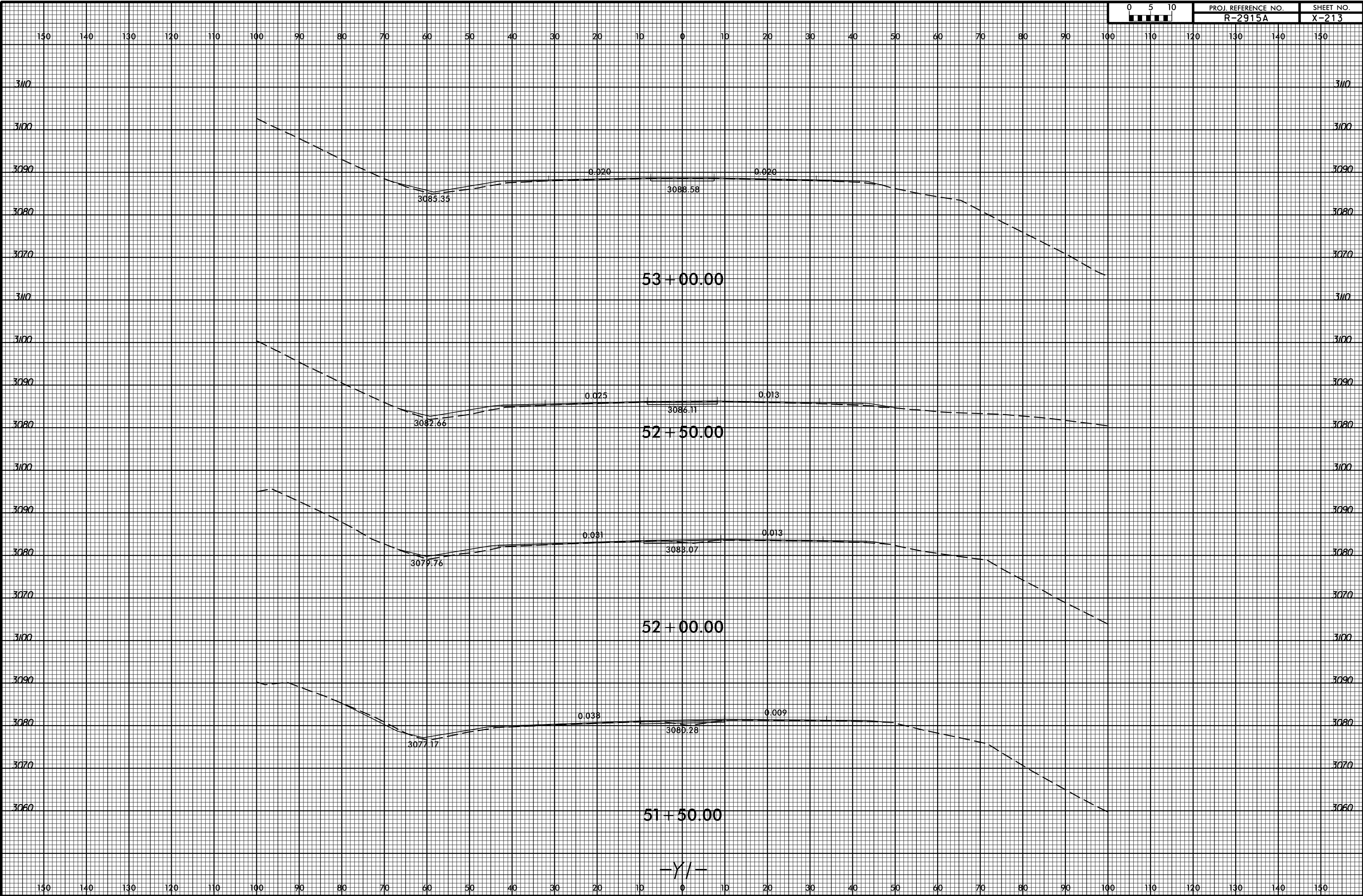


SYSTEMS  
DESIGN  
CONSULTANTS

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-213

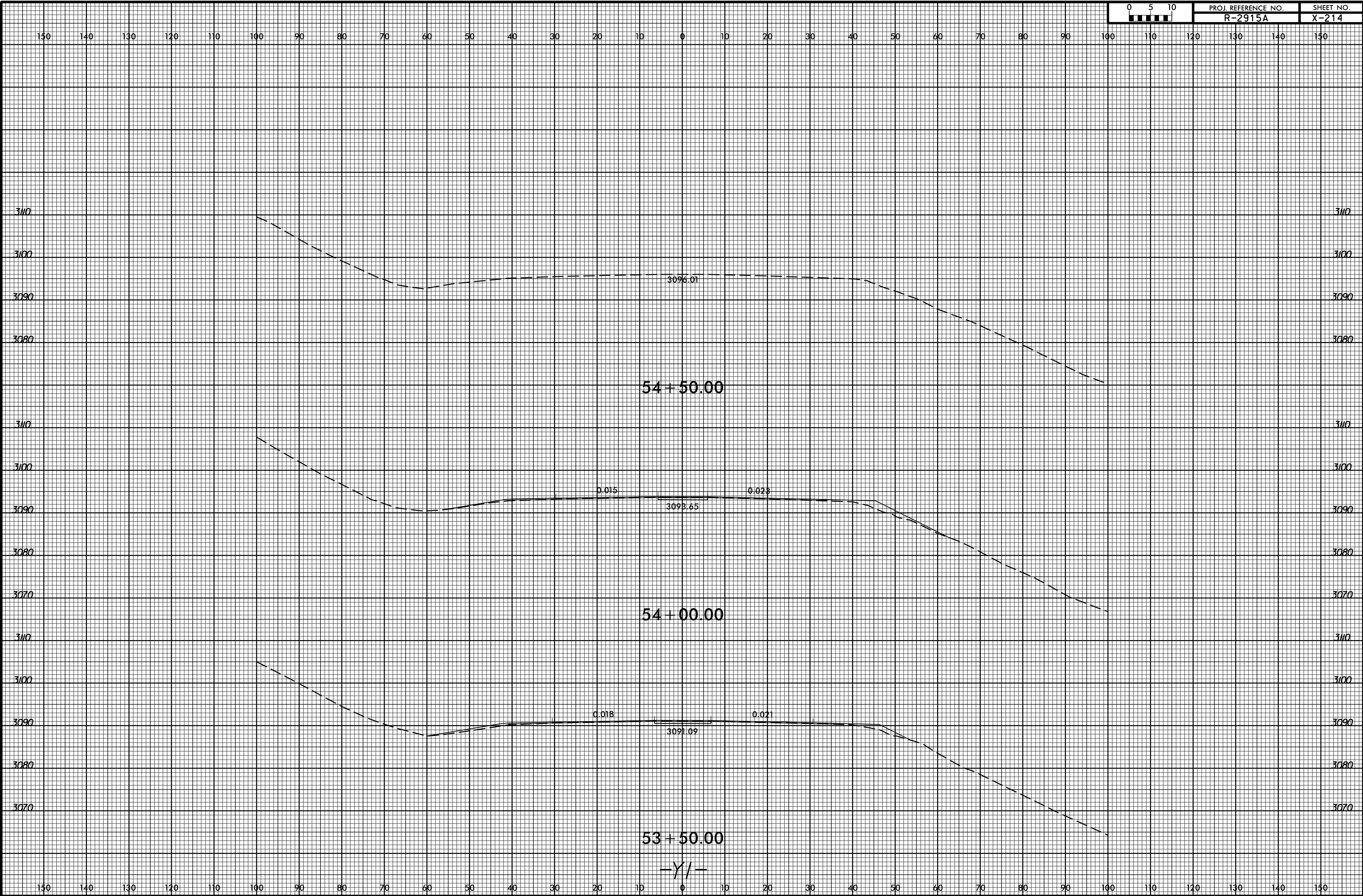


SYSTEMS  
 DESIGN  
 CONSULTANTS  
 INC.

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-214



SYSTEMS  
 DESIGN  
 GROUP  
 INC.

54 + 50.00

54 + 00.00

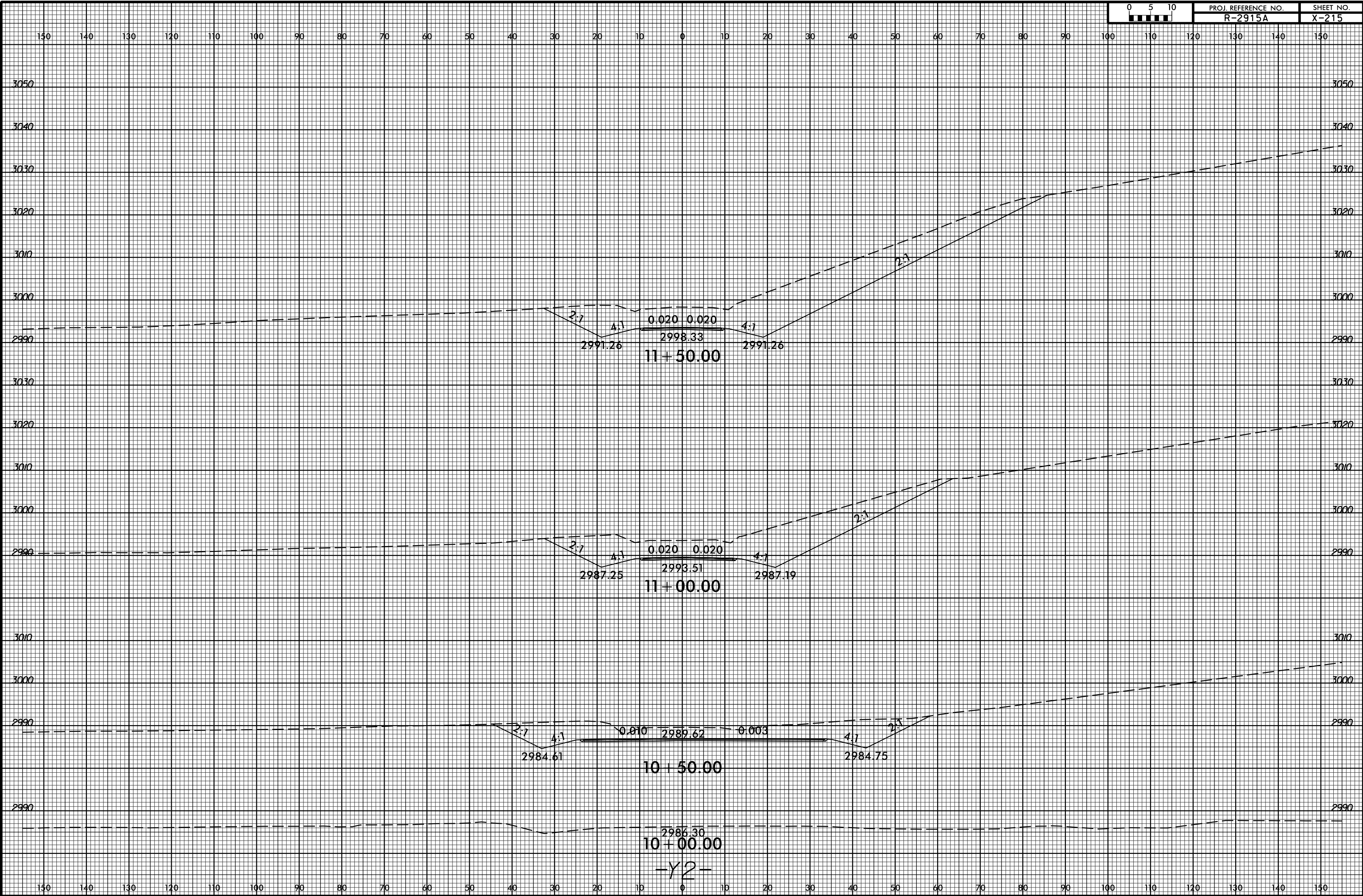
53 + 50.00

-Y/-

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-215



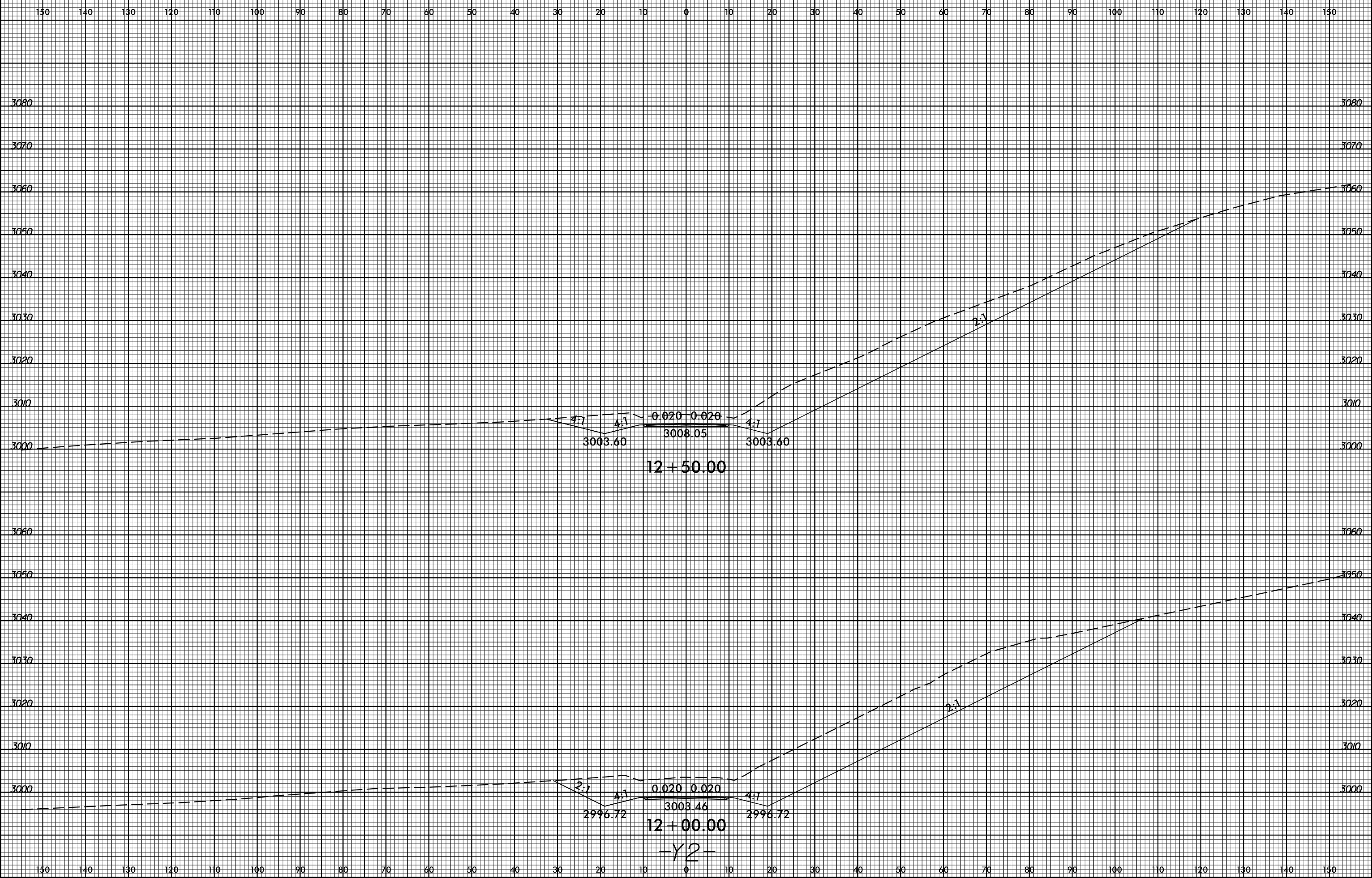
2986.30  
 10+00.00  
 -Y2-

SYSTEMS  
 SERVICES  
 CONSULTANTS

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-216



SYSTEMS  
 CONSULTANTS  
 INC.

-Y2-

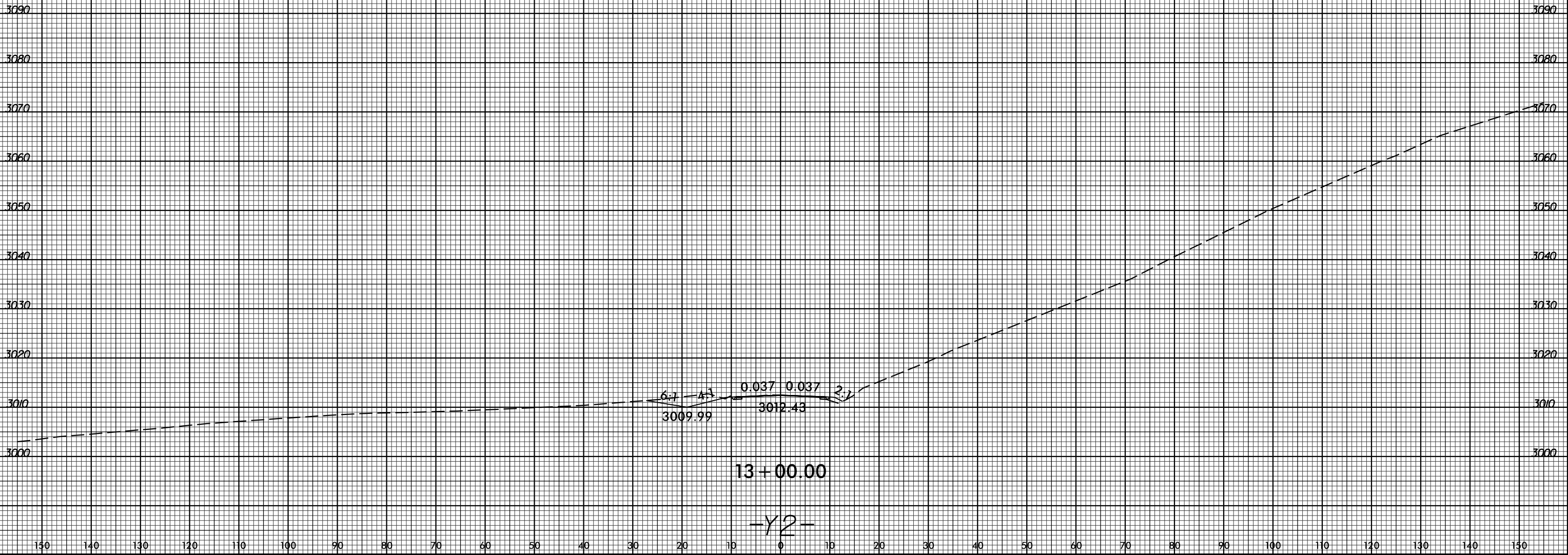
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-217

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

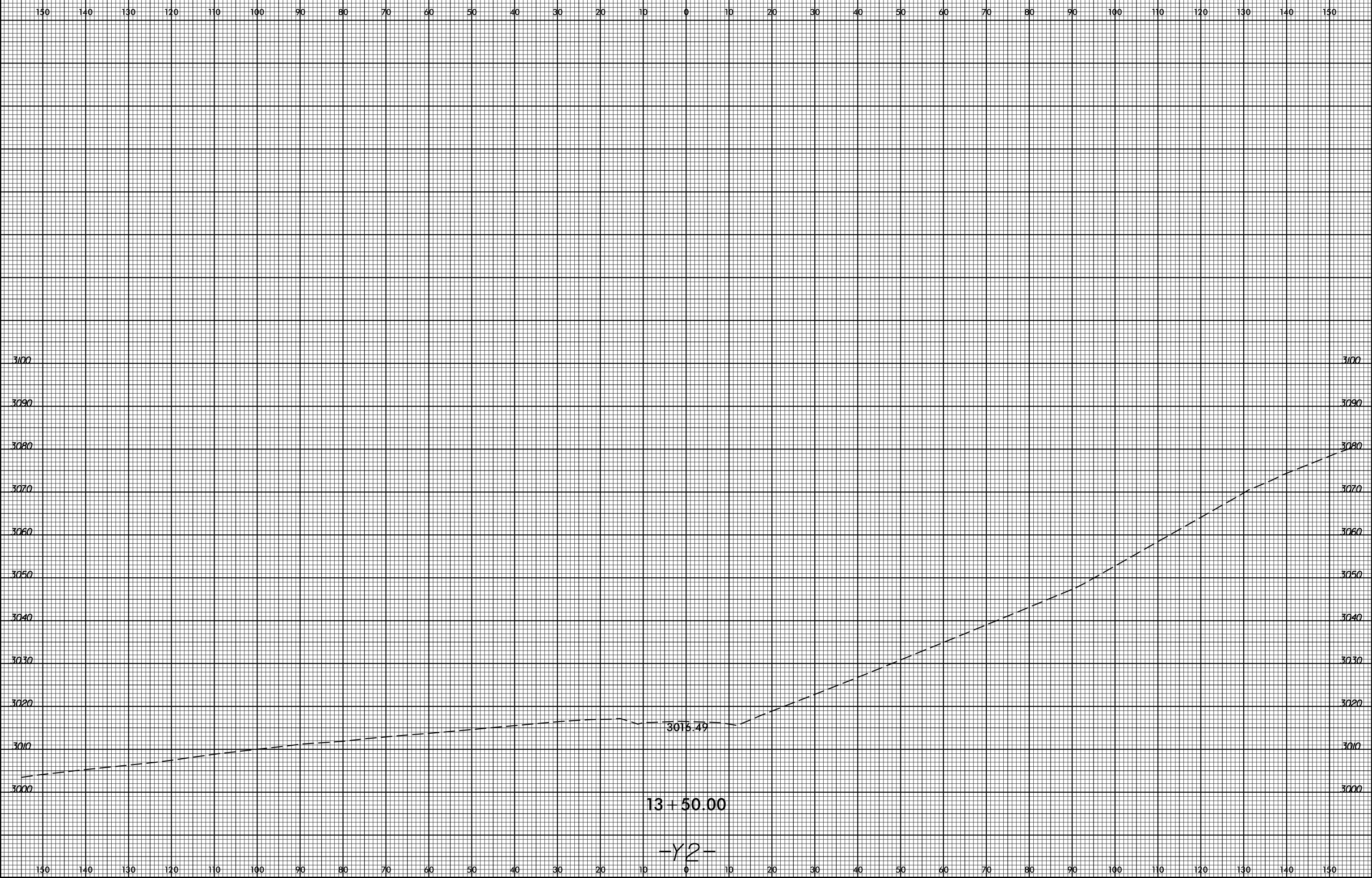


SYSTEMS  
SERVICES  
INCORPORATED

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-218



SYSTEMS  
SERVICES  
INCORPORATED

13 + 50.00

-Y2-



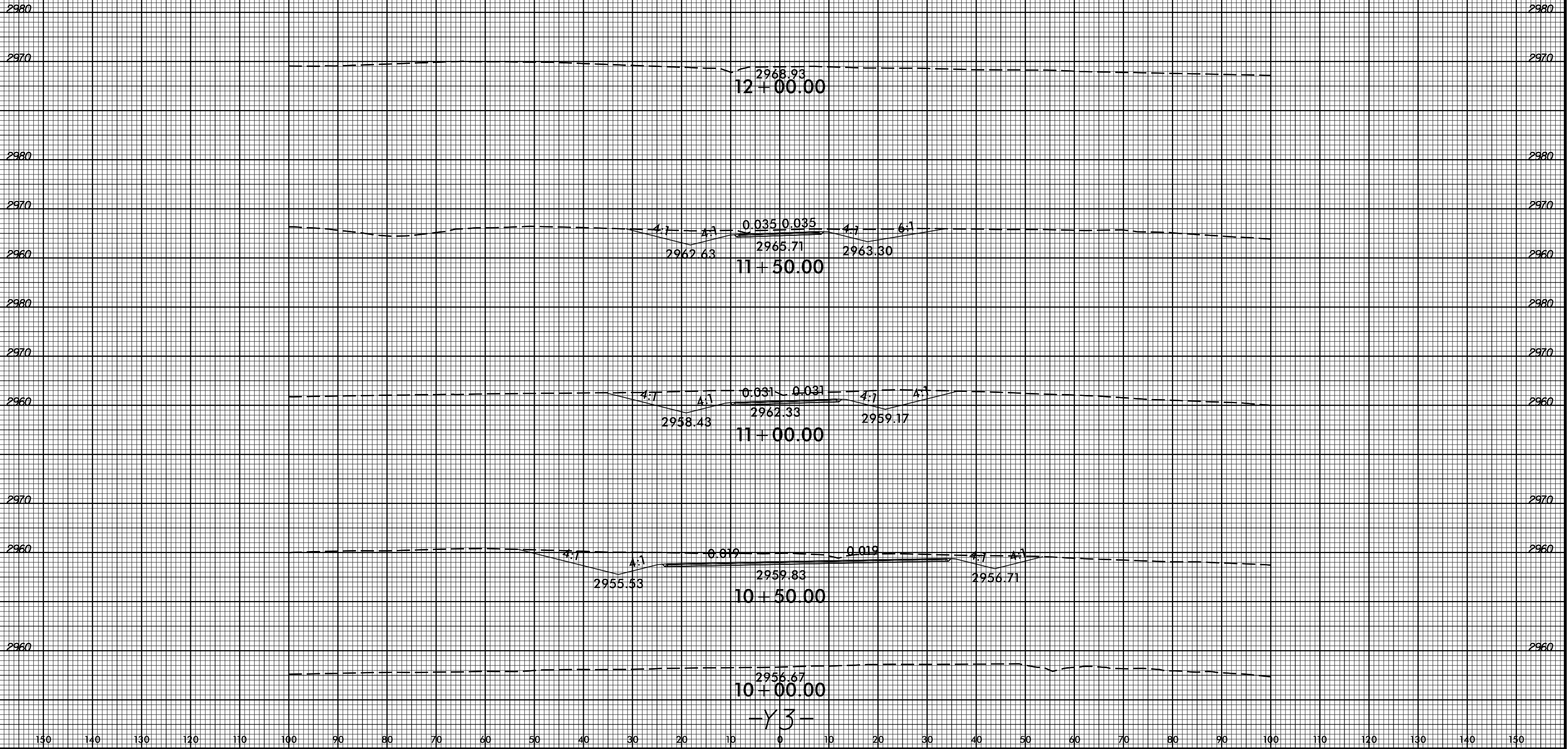
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-219

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



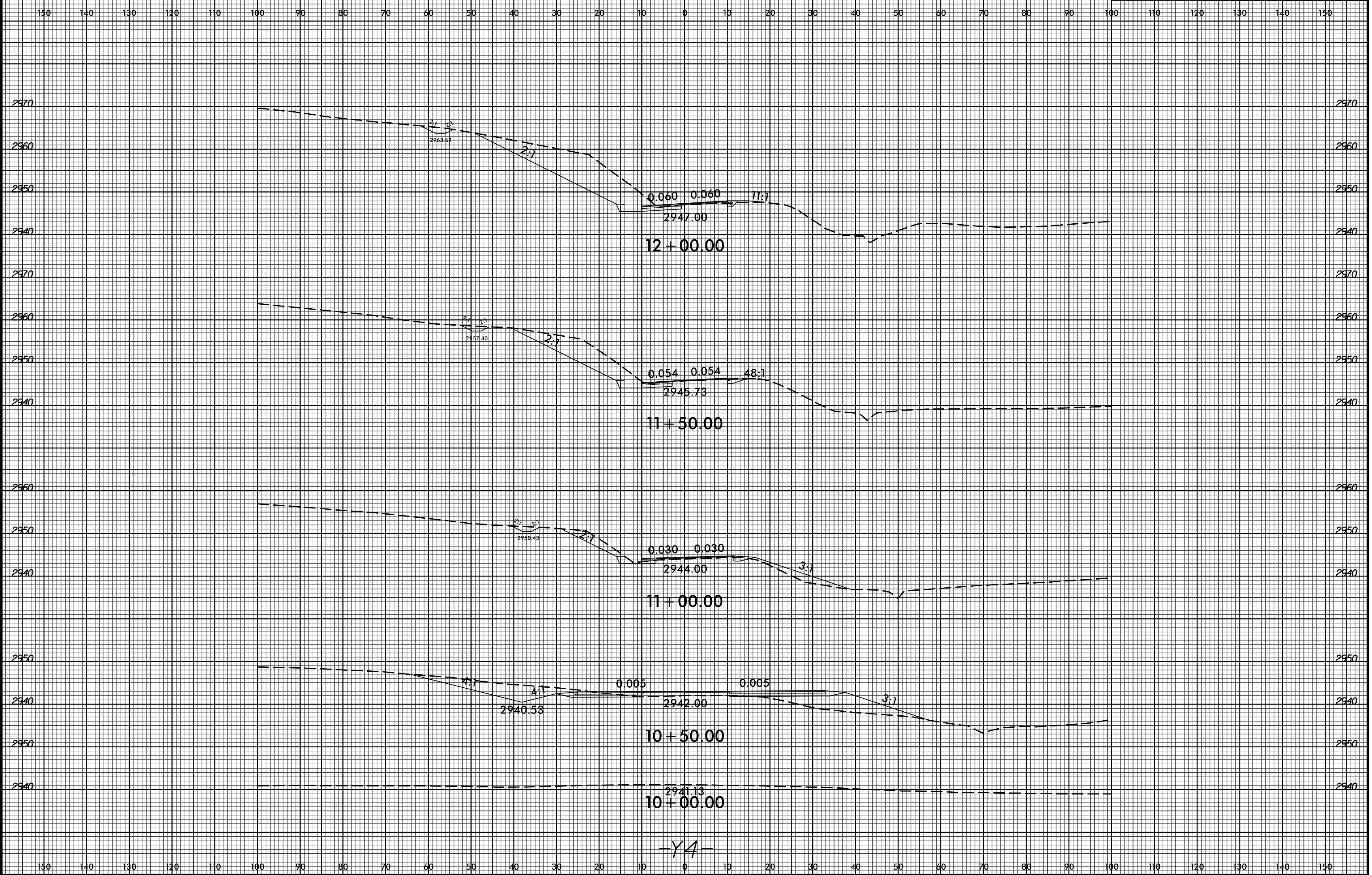
SYSTEMS  
DESIGN  
INC.

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-220



-Y4-

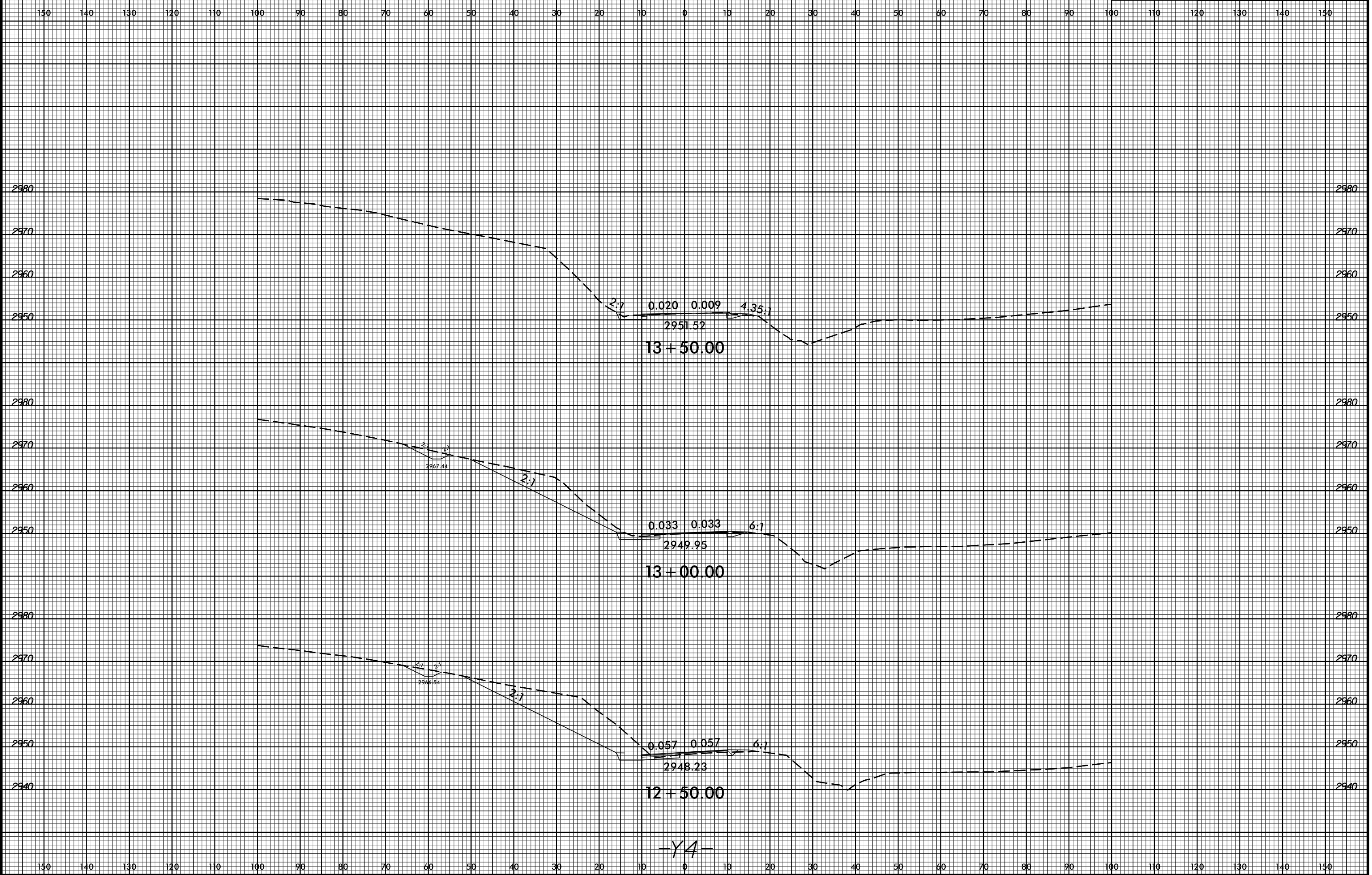
SYSTEMS  
SERVICES  
INC.

8/23/99



PROJ. REFERENCE NO.  
R-2915A

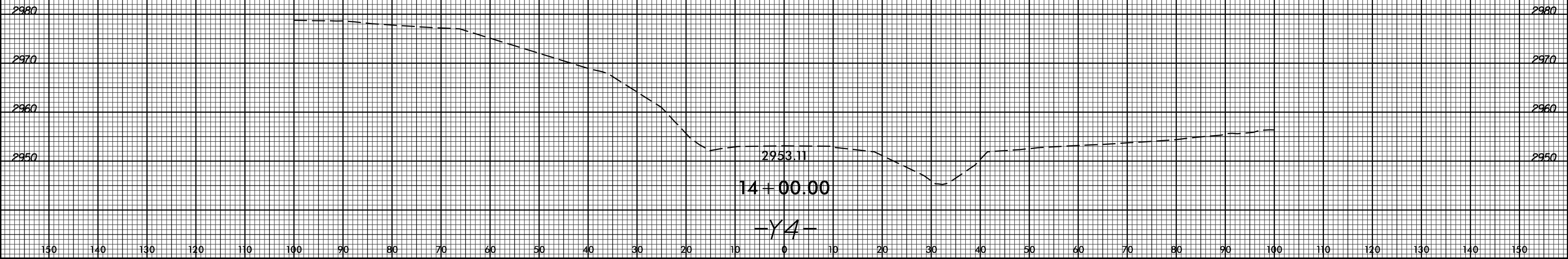
SHEET NO.  
X-221



-Y4-

SYTIME  
SHEET  
DATE  
SCALE  
DRAWN  
CHECKED  
APPROVED

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



SYSTEMS  
SERVICES  
INCORPORATED  
A DIVISION OF  
PERKINS+WILL

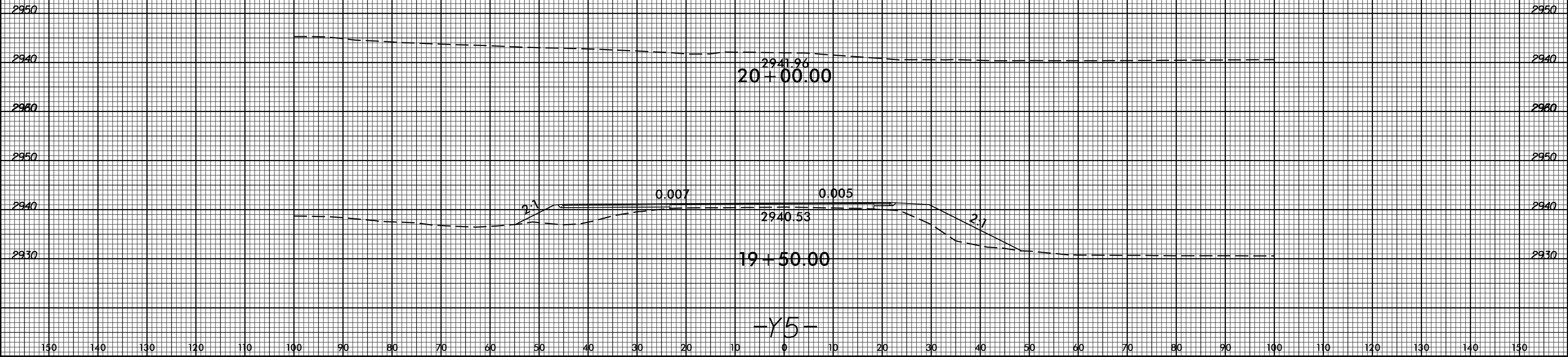


8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-224

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



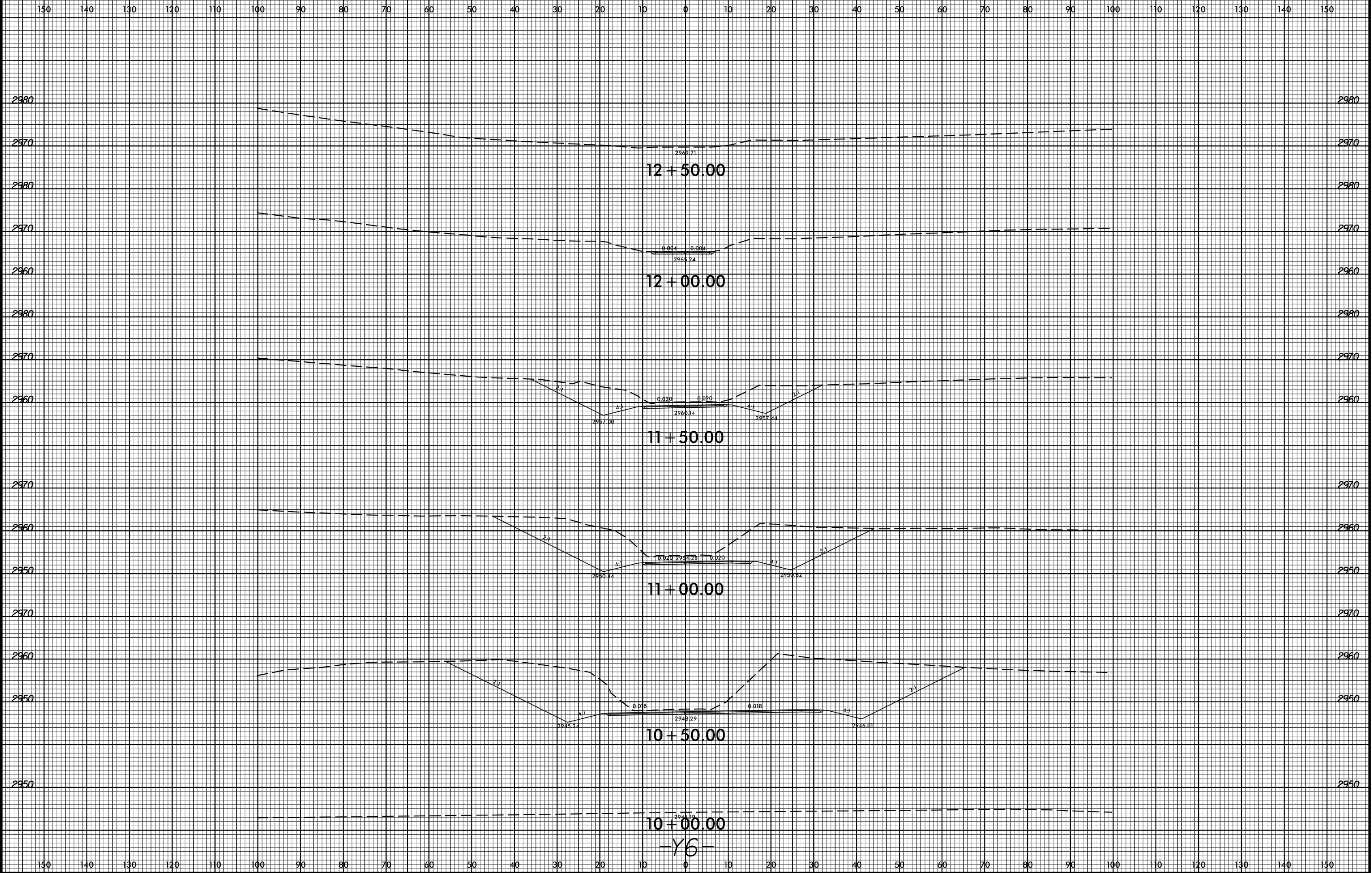
SYSTEMS  
 CONSULTANTS  
 INC.  
 1100  
 UNIVERSITY  
 AVENUE  
 SUITE 100  
 BERKELEY, CA 94704  
 TEL: (415) 848-8000  
 FAX: (415) 848-8001  
 WWW: WWW.SCICONSULTANTS.COM

8/23/99

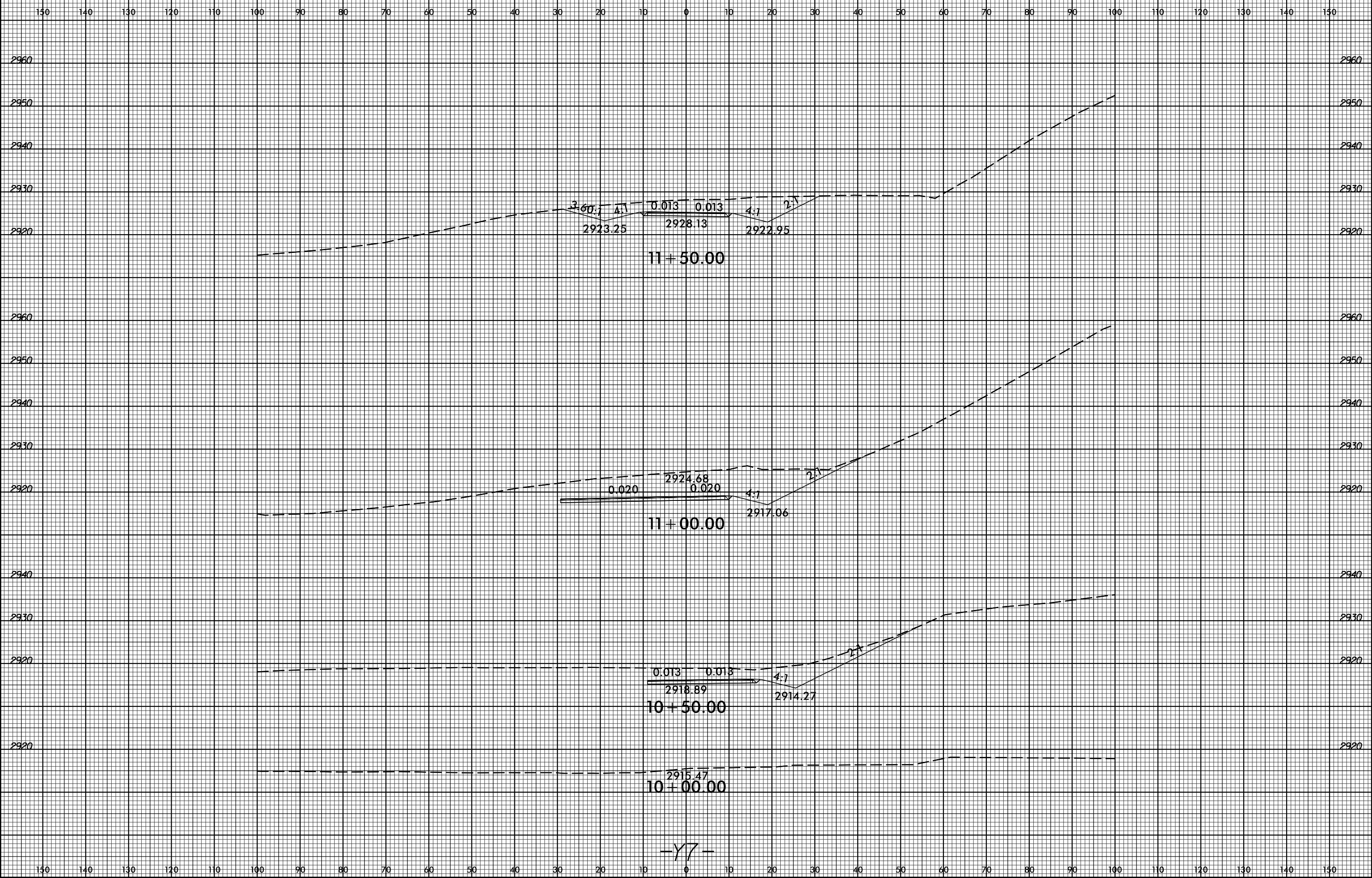


PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-225



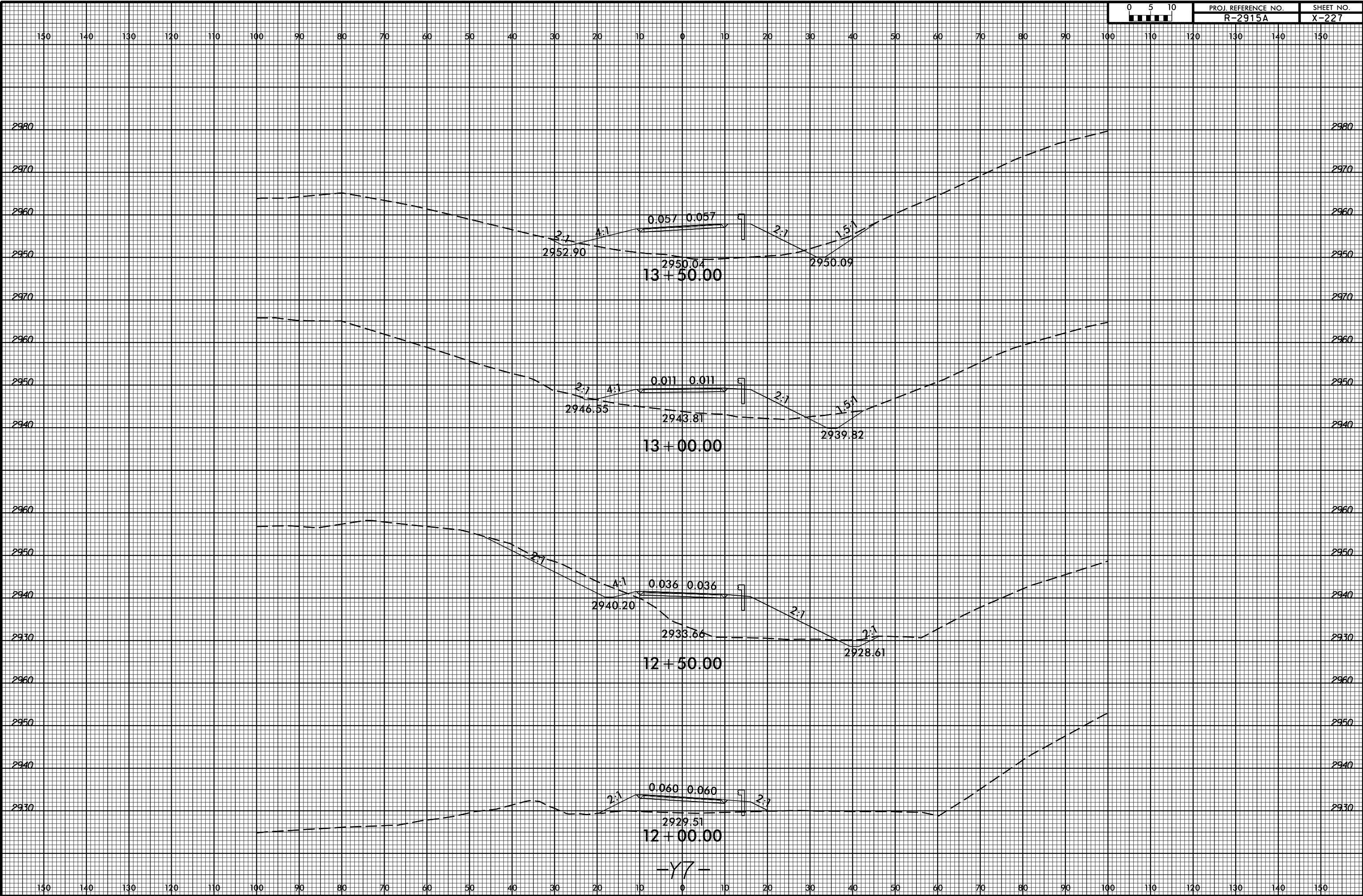
SYSTEMS  
SERVICES  
CORPORATION



SYSTEMS  
SERVICES  
INC.



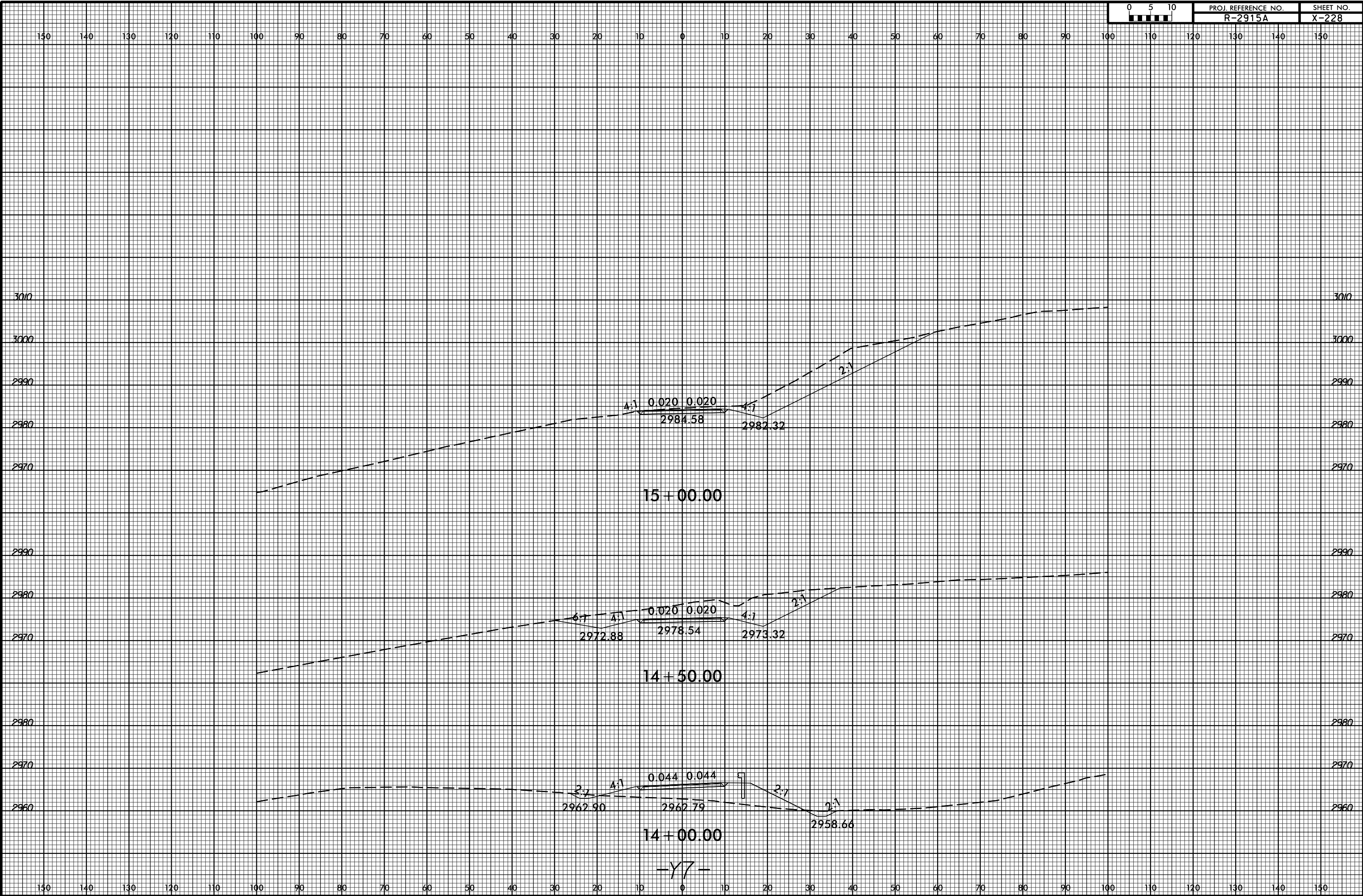
8/23/99



-Y7-

SYSTEMS  
SERVICES  
INC.

8/23/99



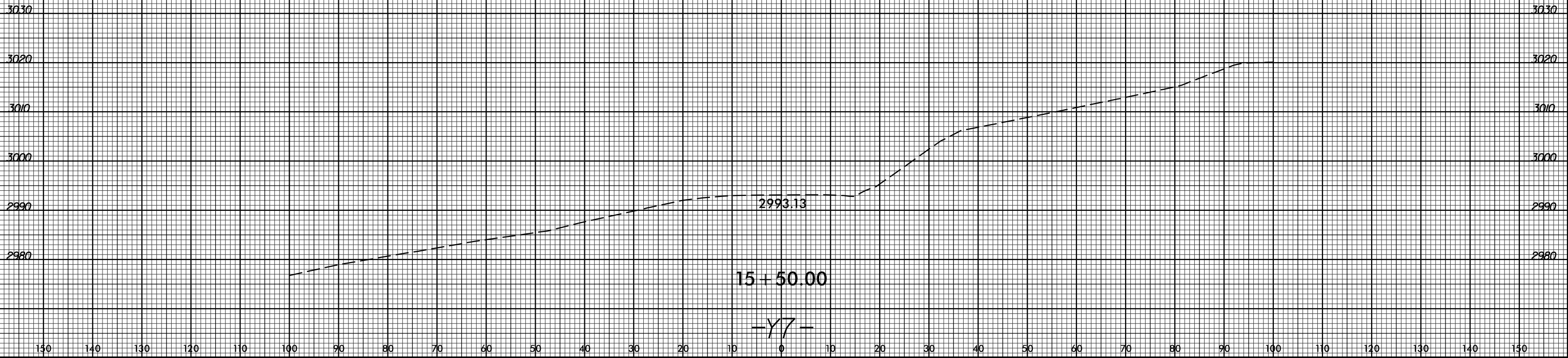
SYSTEMS

8/23/99



PROJ. REFERENCE NO. R-2915A  
SHEET NO. X-229

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



SYSTEMS  
SERVICES  
CONSULTANTS

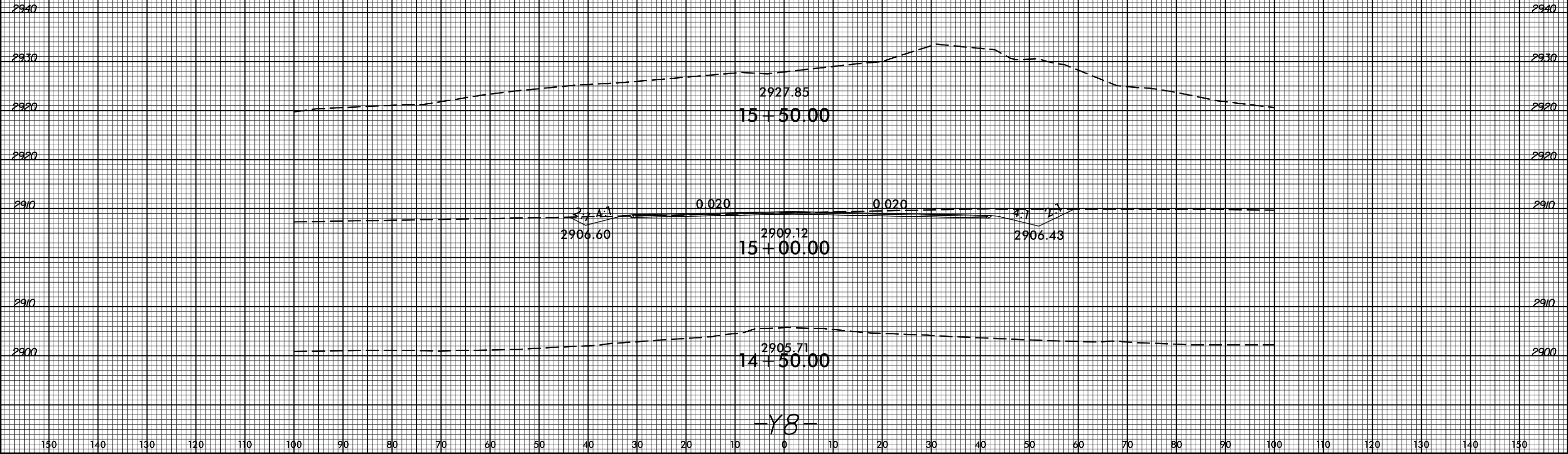
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-230

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



SYTIME  
SUSAN  
SUSAN

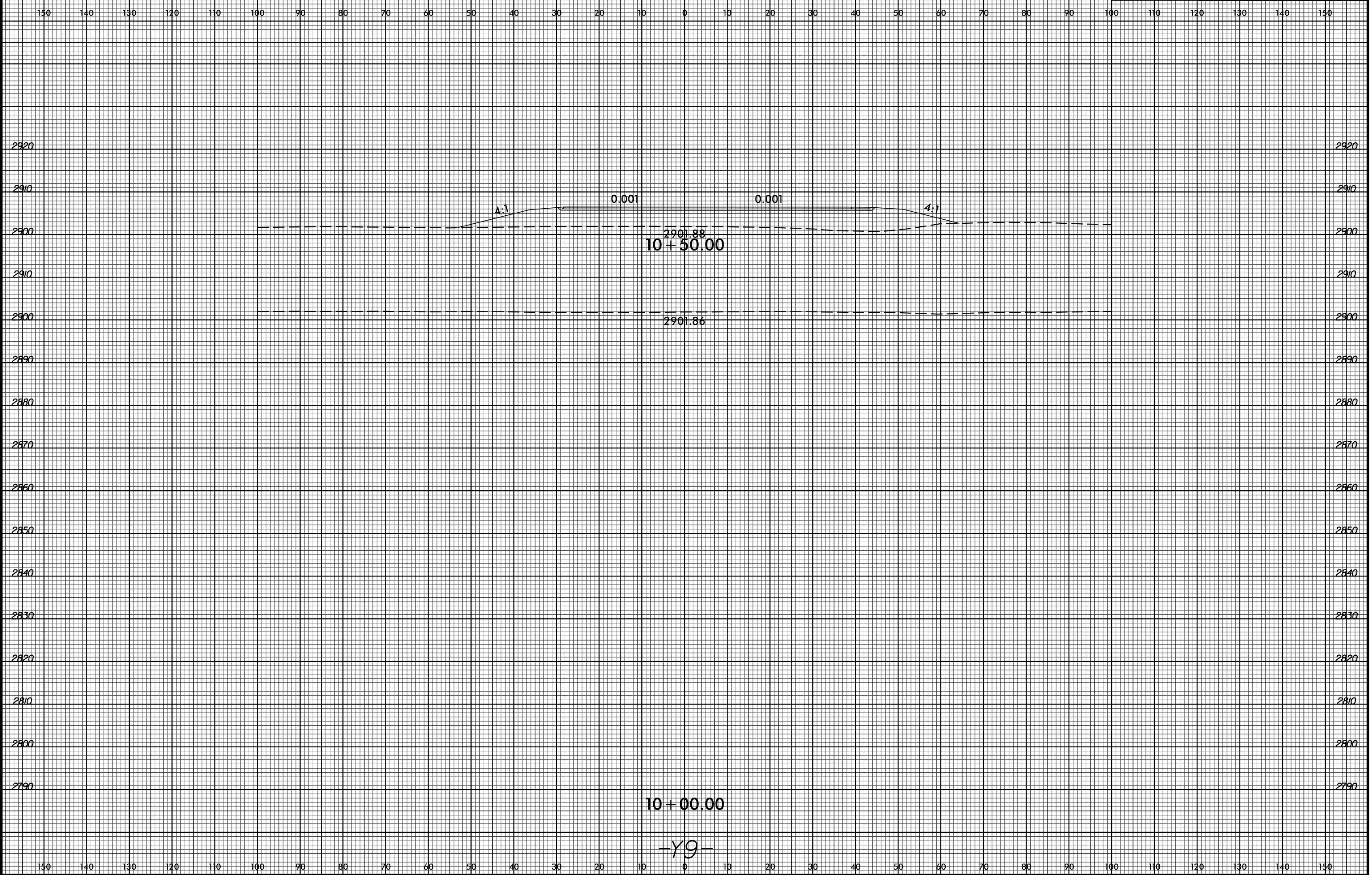
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-231

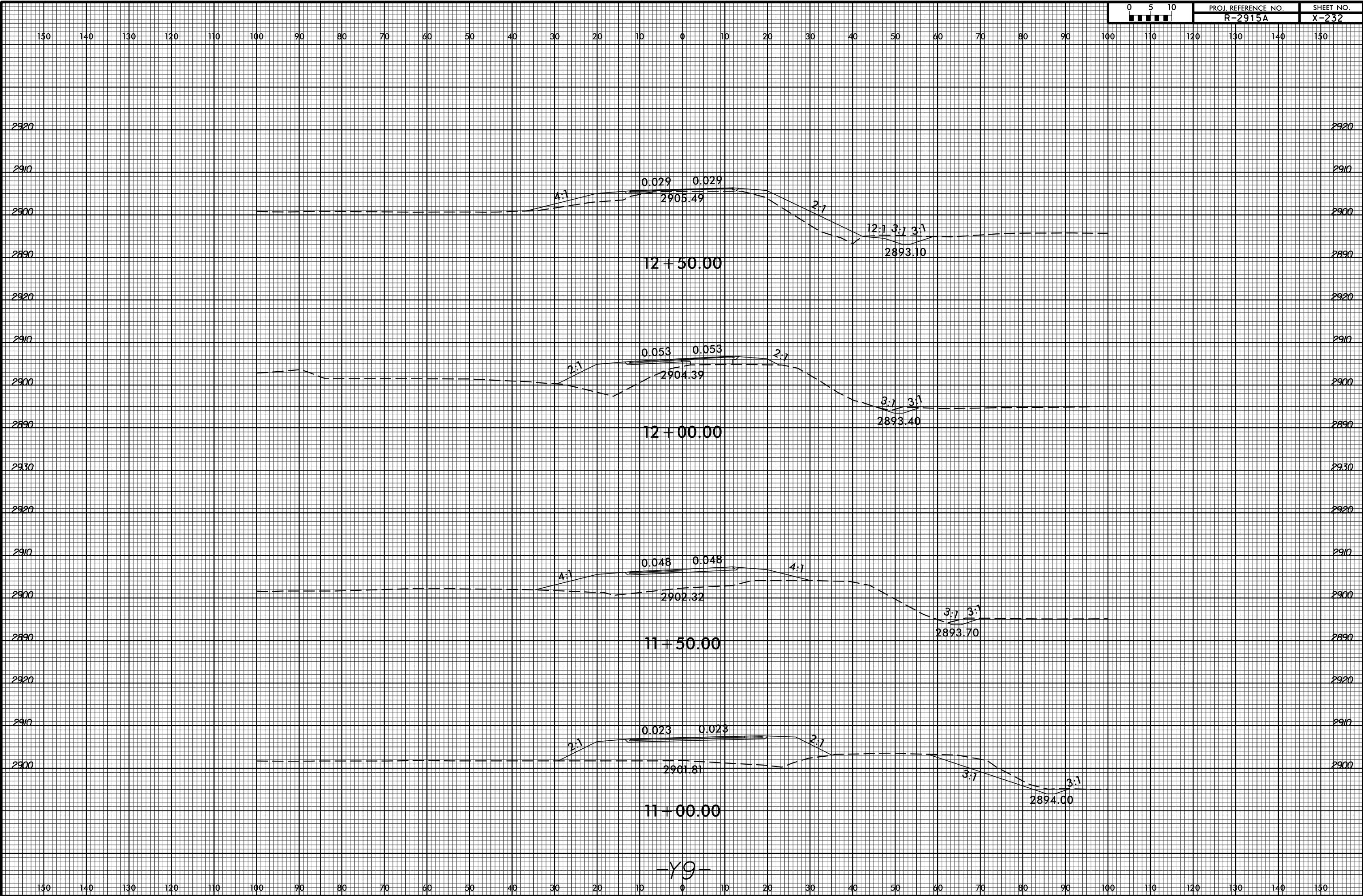


SYTIME  
SHEET  
DATE  
DRAWN  
CHECKED  
APPROVED

8/23/99

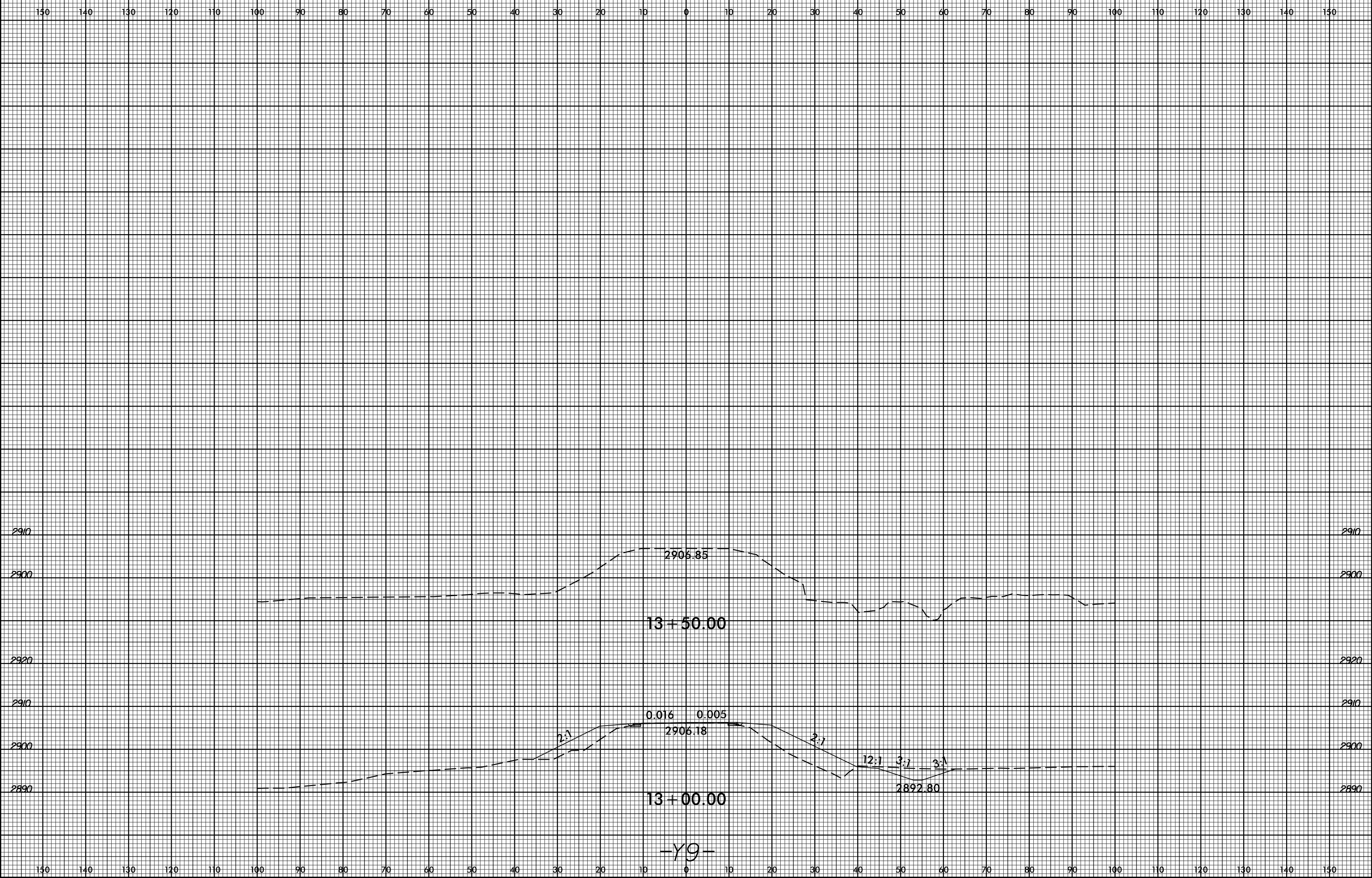


PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-232



-Y9-

SYSTEMS



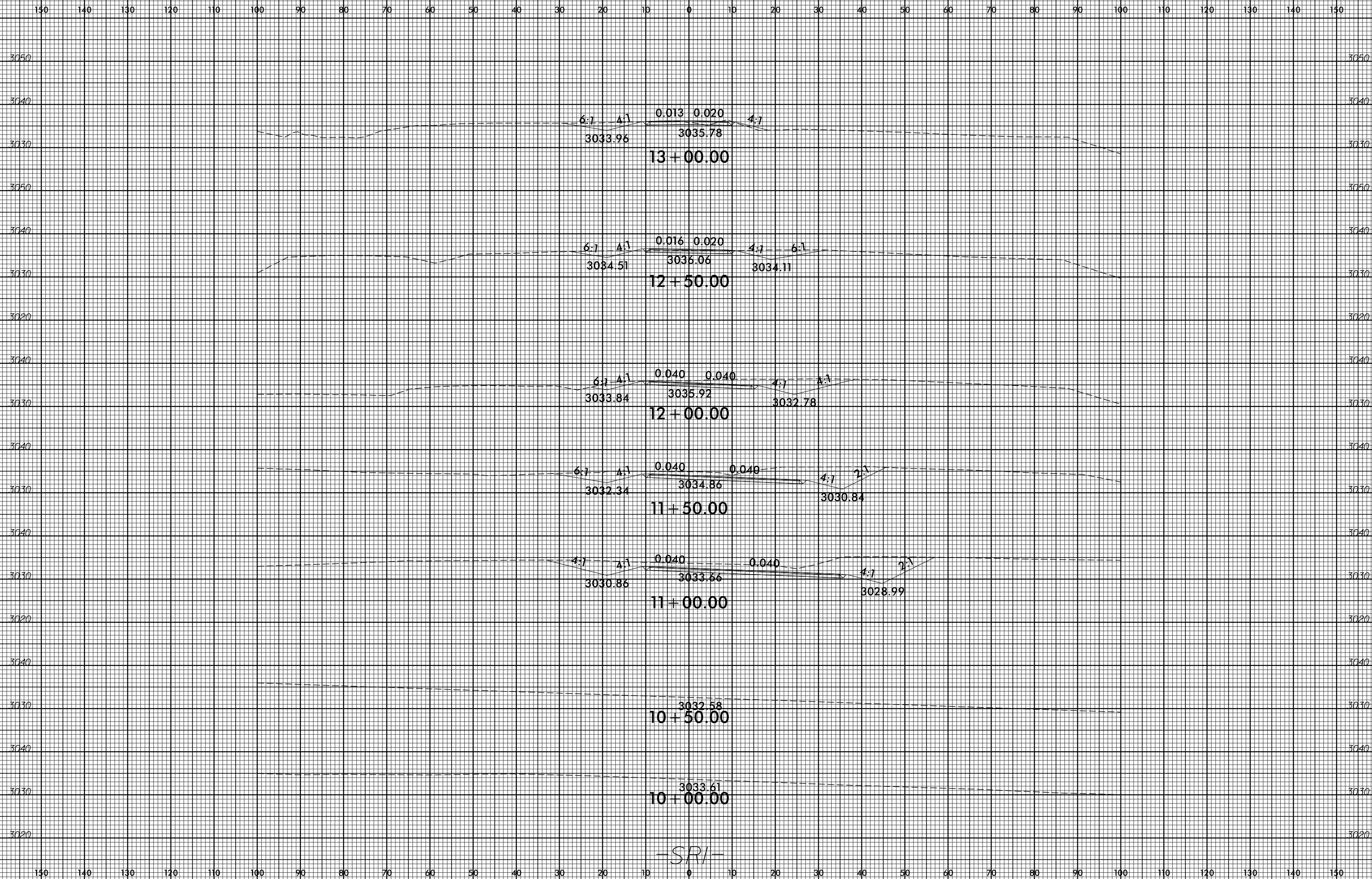
SYSTEMS  
DESIGN  
INC.

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-234



SYSTEMS TIME SYSTEMS  
DESIGN GROUP

-SRI-

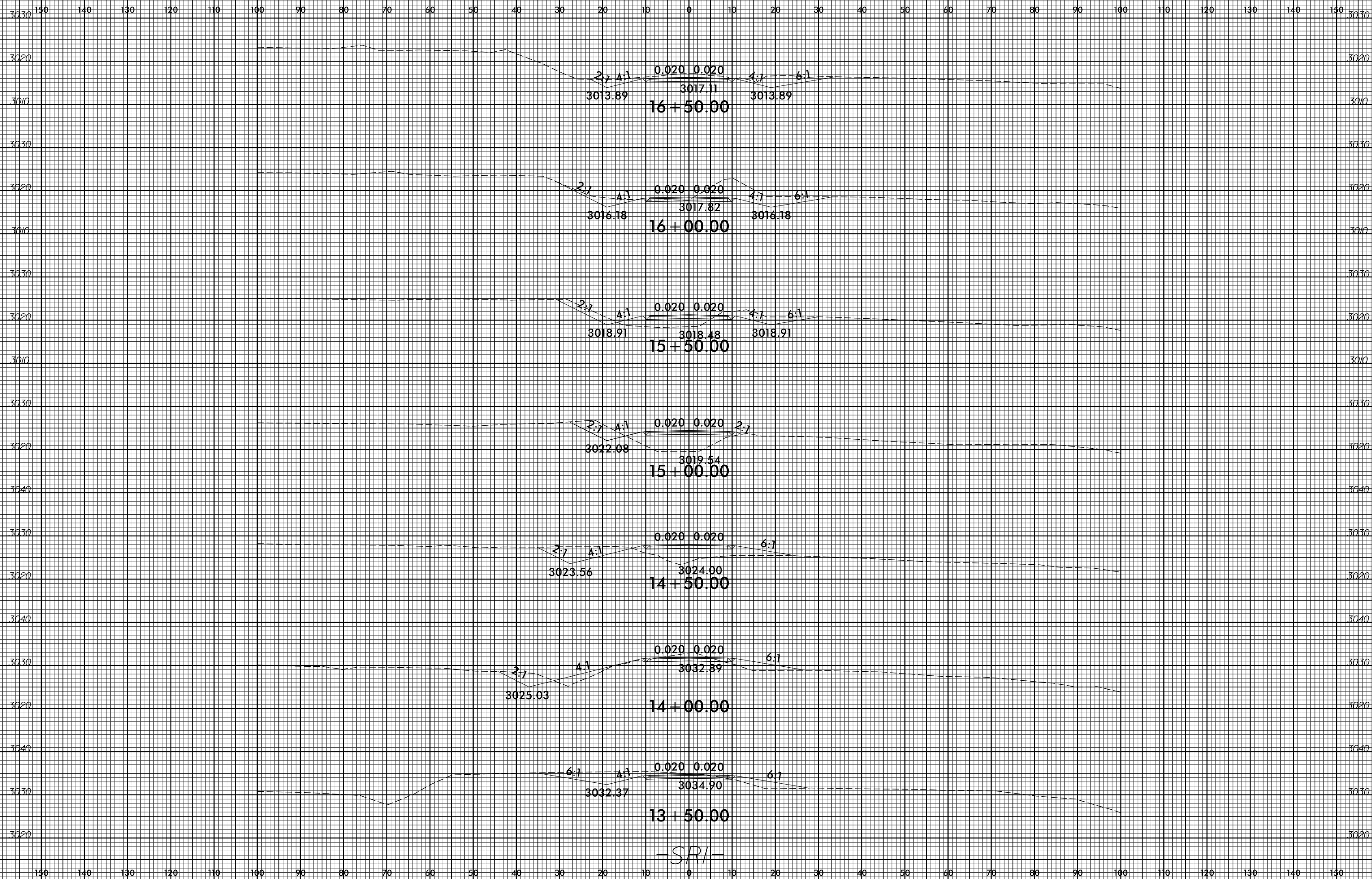


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-235



SYSTEMS  
DESIGN  
CONSTRUCTION

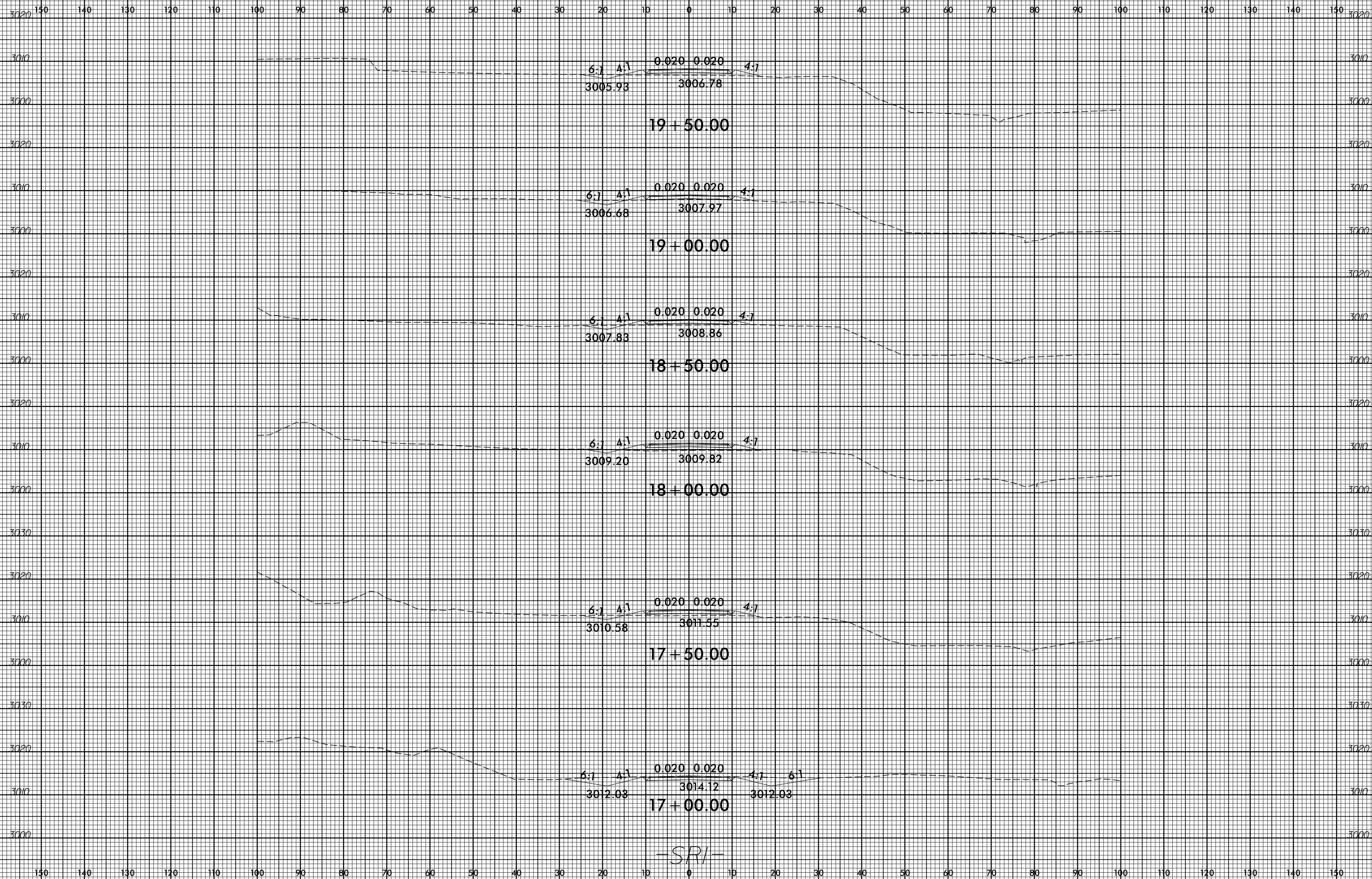
-SRI-

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-236



-SRI-

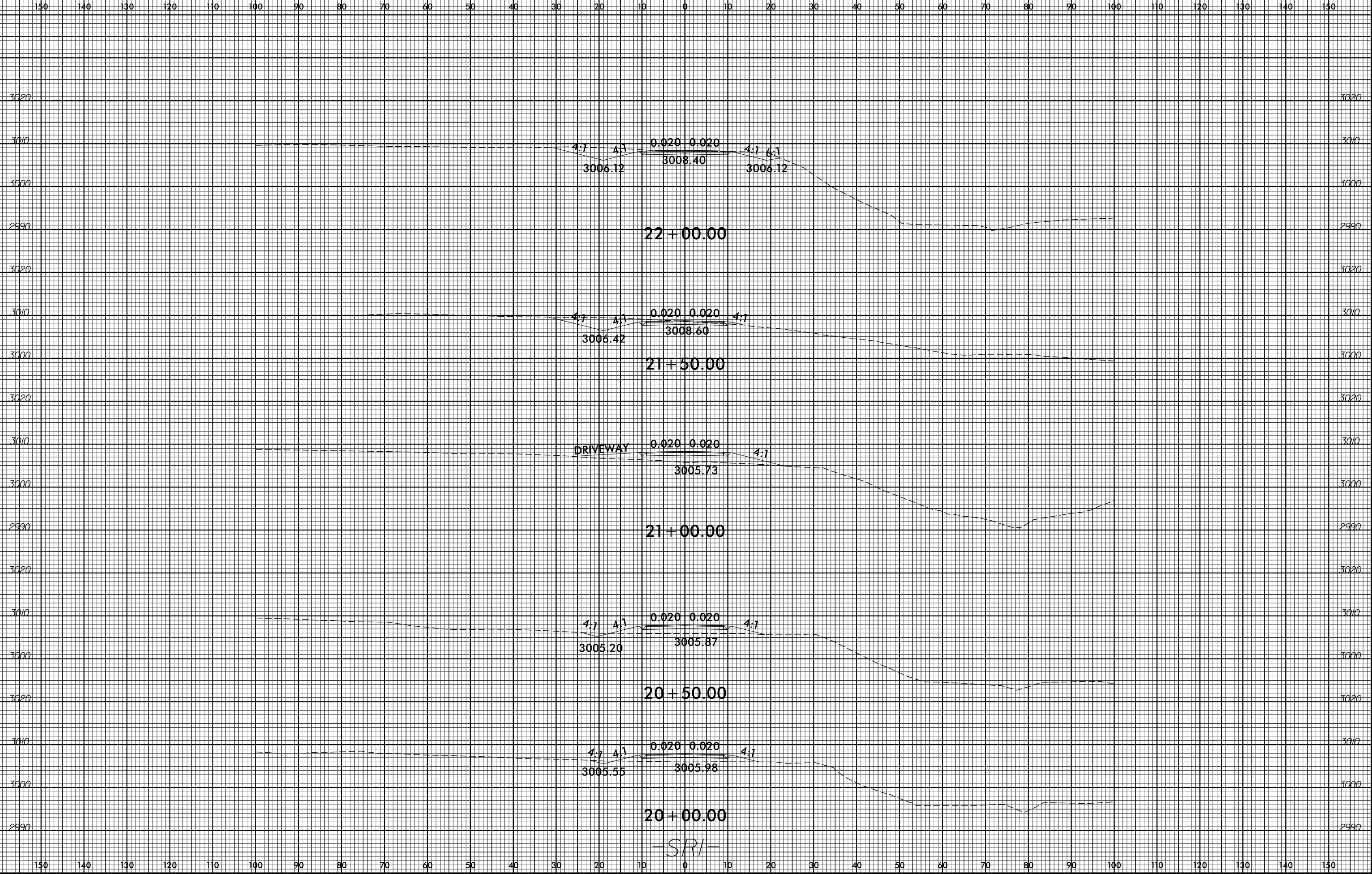
SYSTEMS TIME  
DUPLICATE

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-237



SYSTEMS TIME SYSTEMS  
SURVEYING ENGINEERS  
P.C.

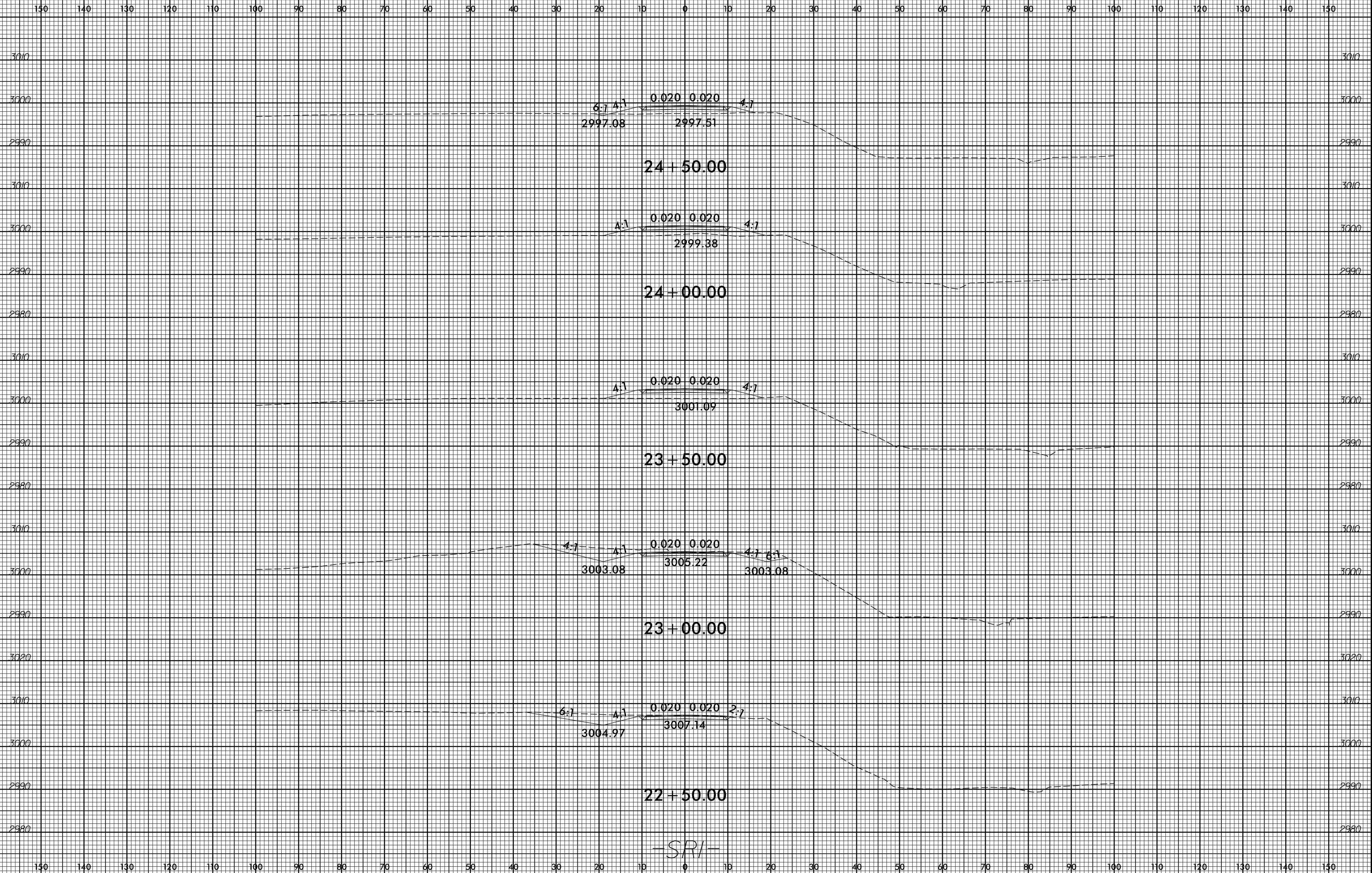
-SRI-

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-238

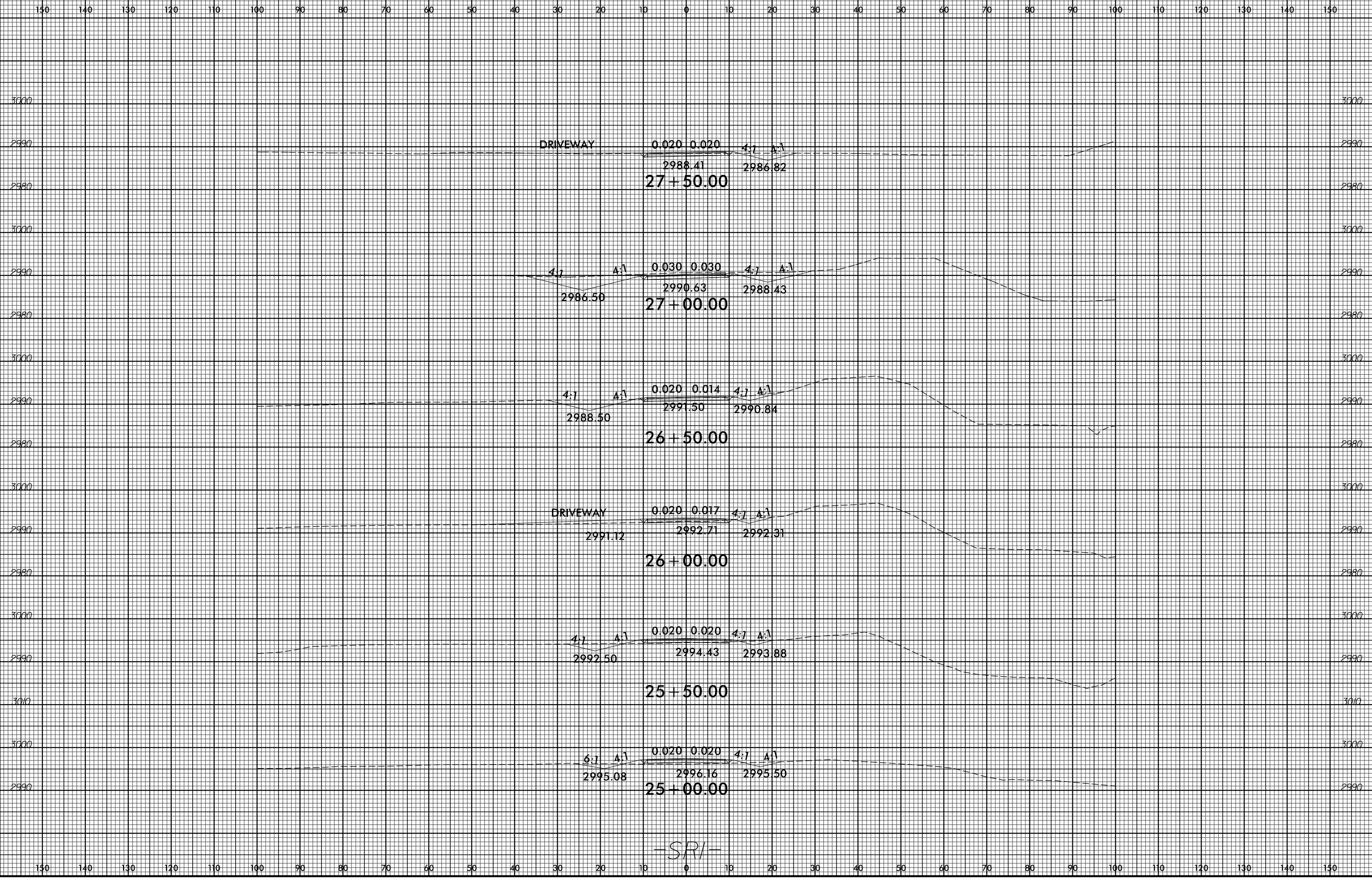


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-239



-SRI-

SYSTEMS TIME SYSTEMS  
 8/23/99 10:00 AM  
 R-2915A X-239

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-240

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

3000

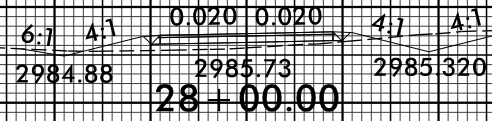
3000

2990

2990

2980

2980

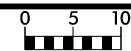


-SRI-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

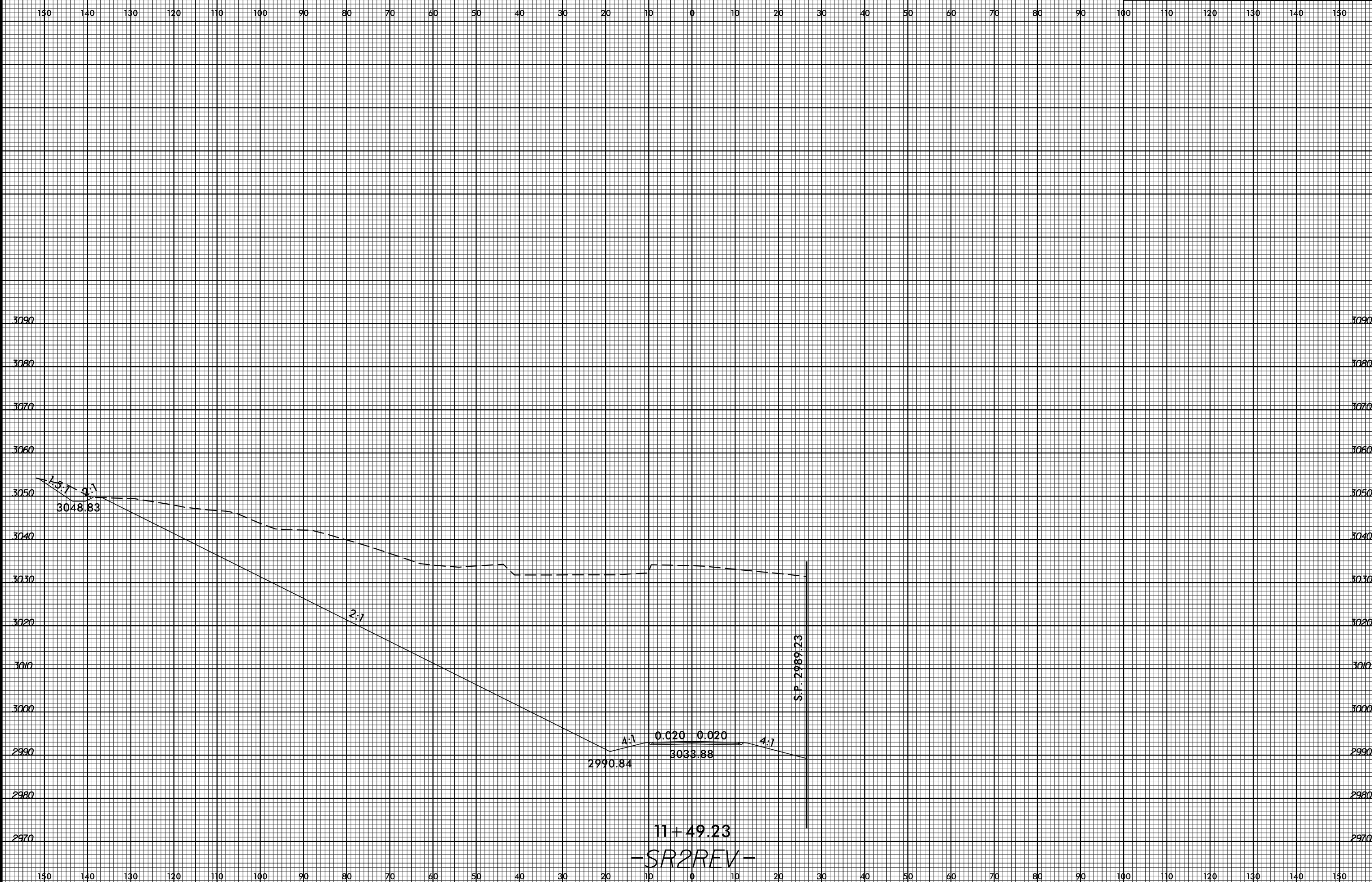
\*\*\*\*\* SYSTEM \*\*\*\*\*  
\*\*\*\*\* REFERENCE \*\*\*\*\*  
\*\*\*\*\* SHEET \*\*\*\*\*

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-241



11+49.23  
-SR2REV-

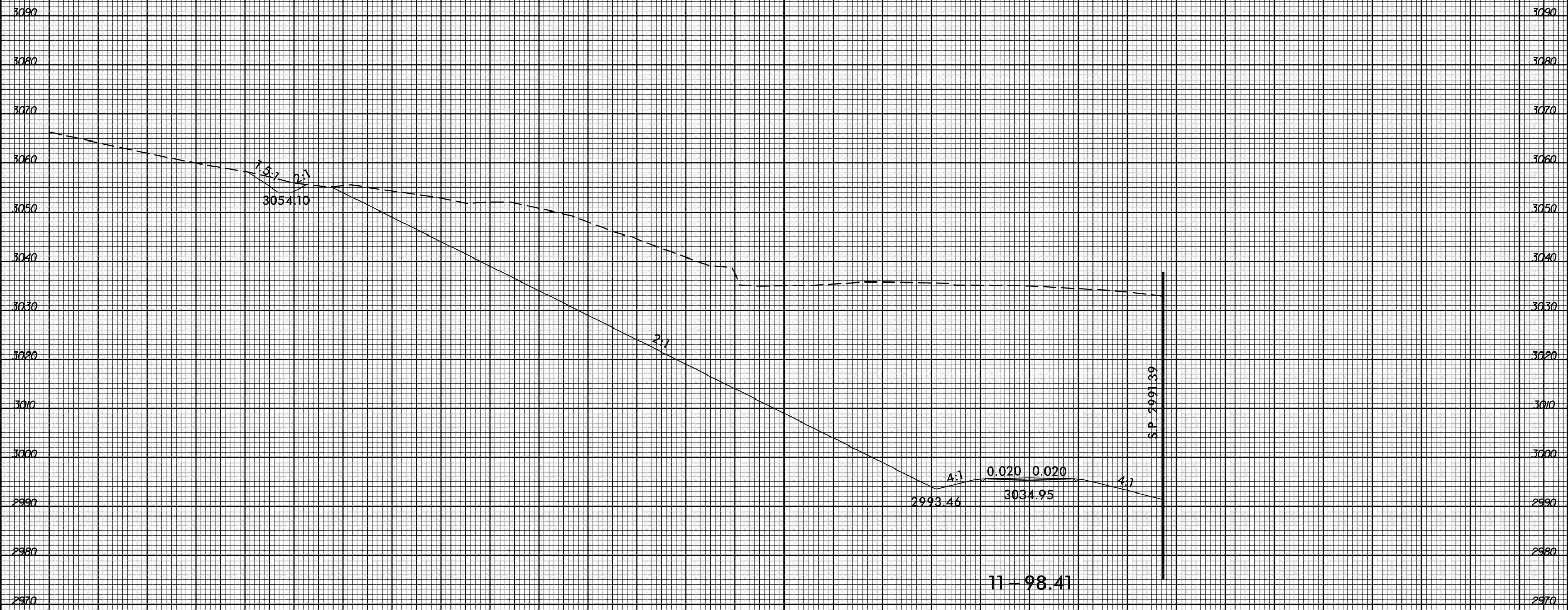
SYSTEMS  
DESIGN  
INC.

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2915A	X-242

200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100



11+98.41

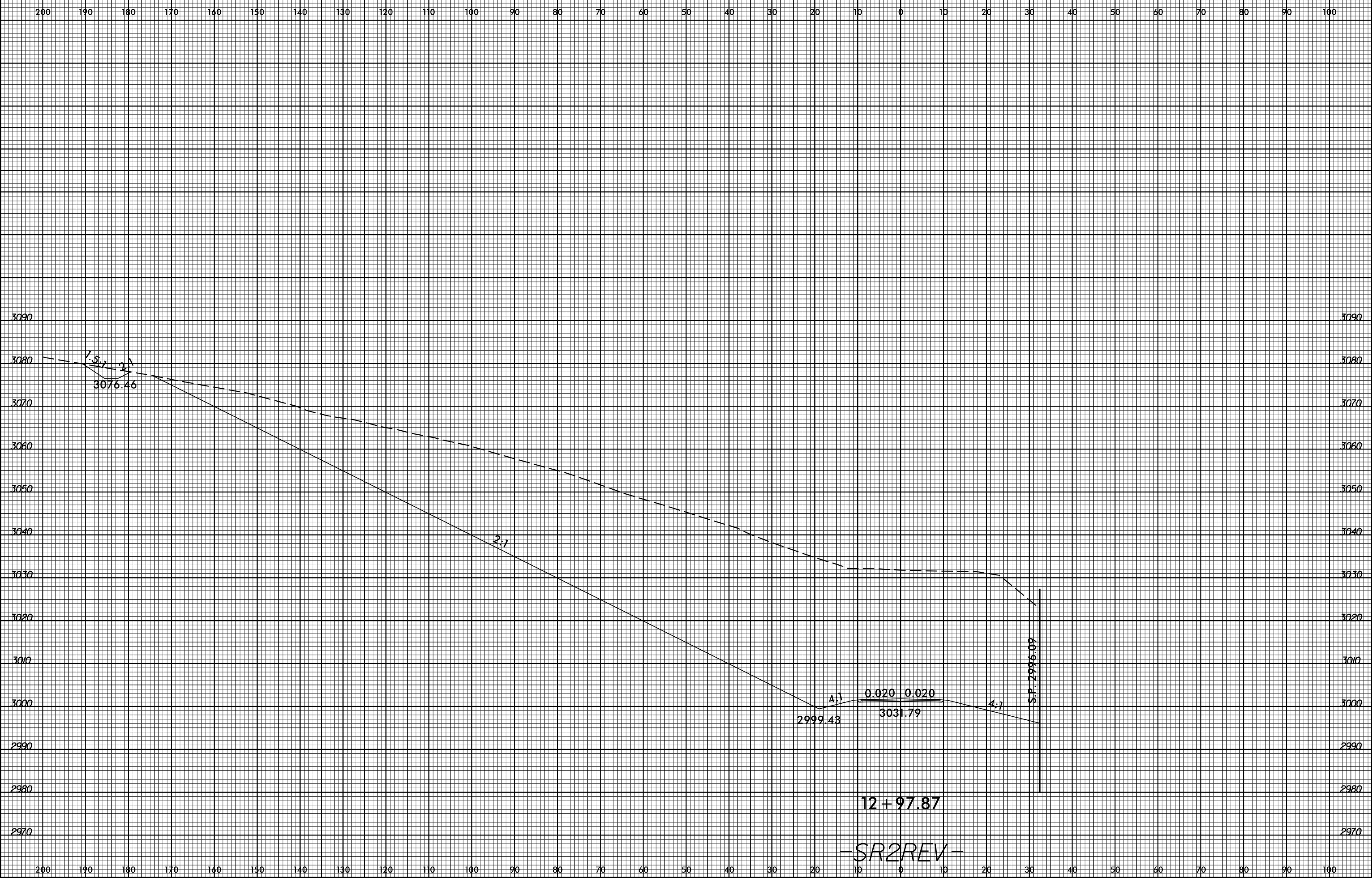
-SR2REV-

SYSTEMS  
 CONSULTANTS  
 INC.





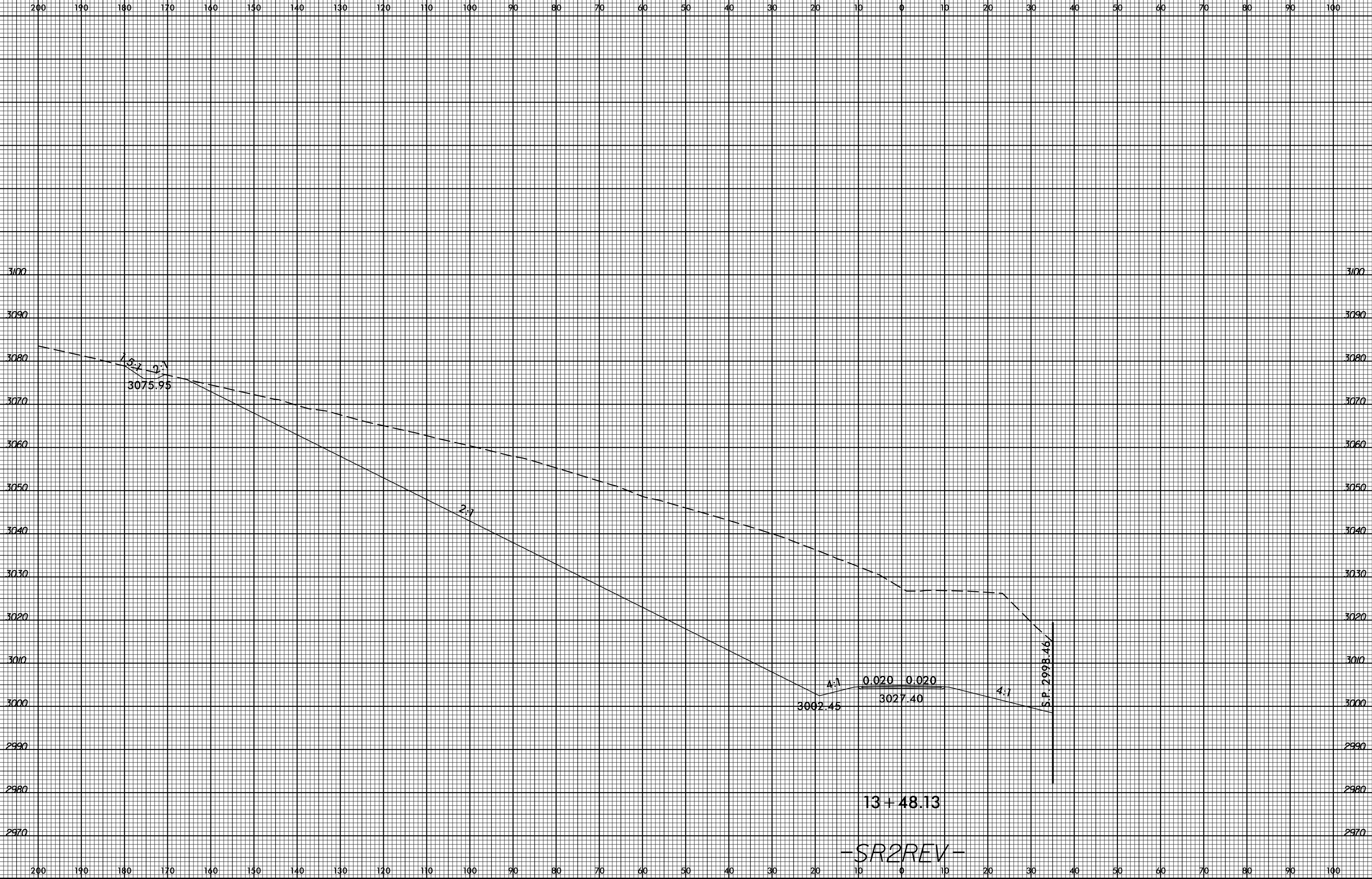
8/23/99



-SR2REV-

SYSTEMS

8/23/99  
SYSTEMS  
SPECIALISTS  
CONSULTANTS



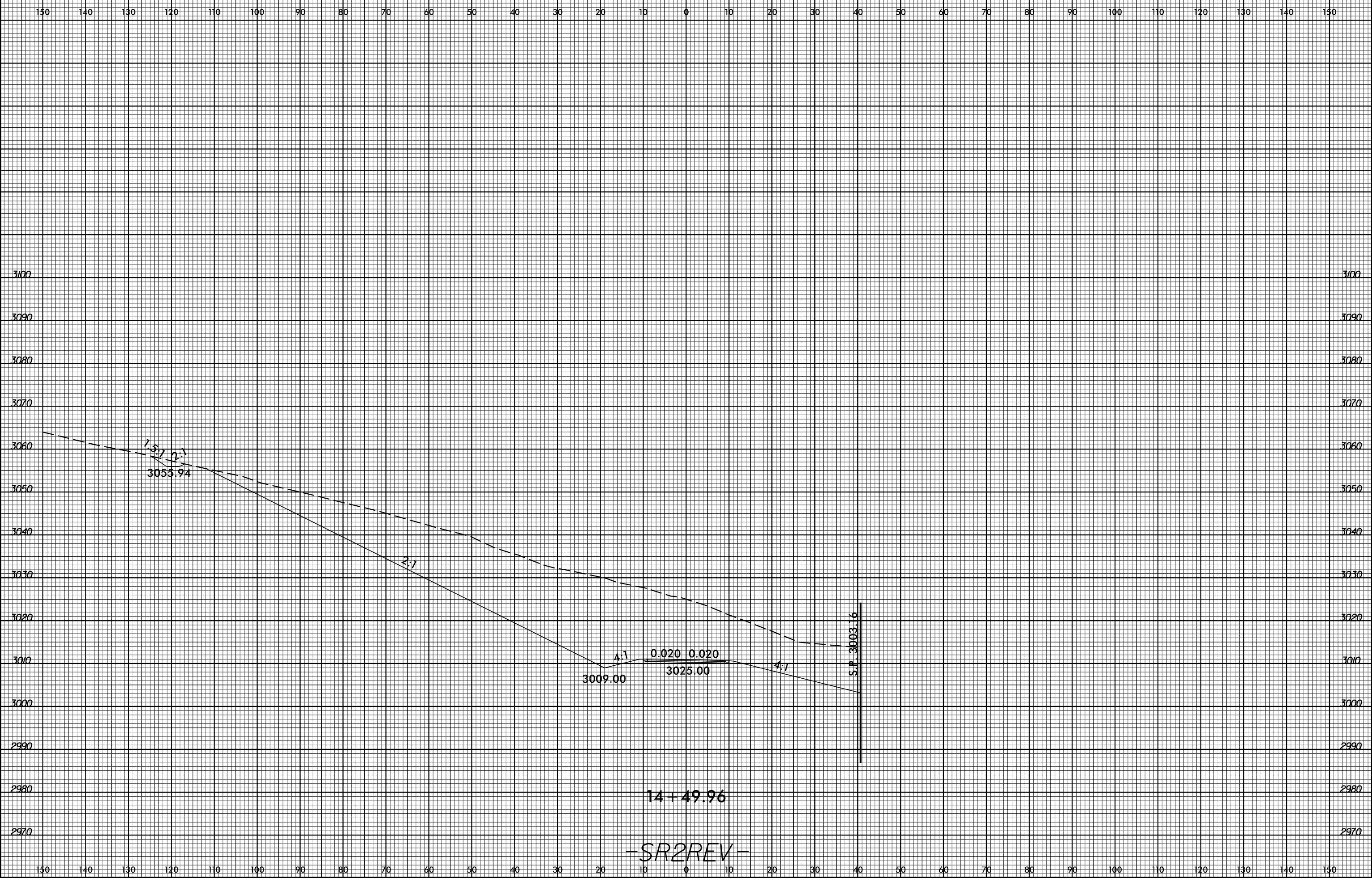


8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-247

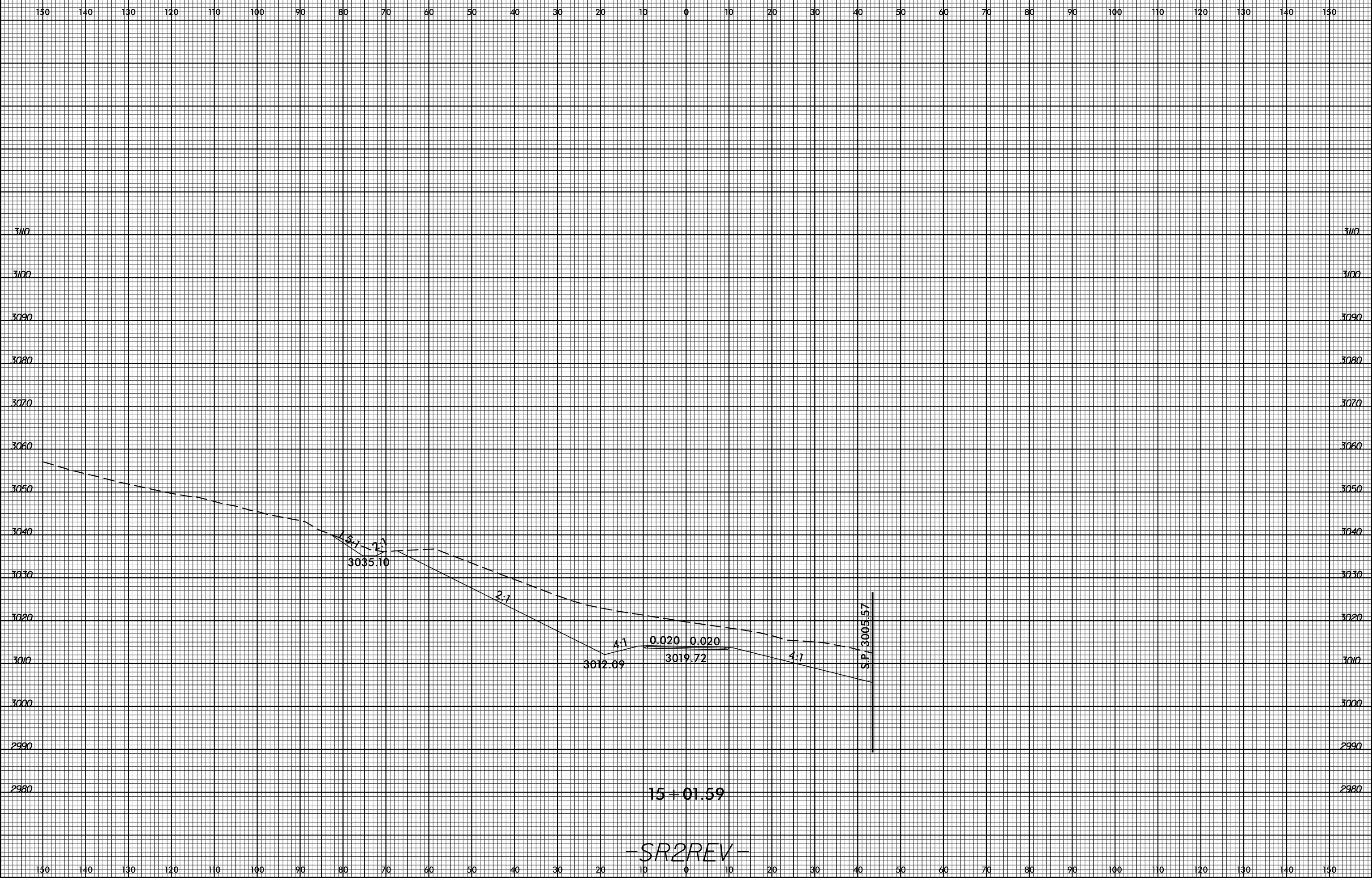


14 + 49.96

-SR2REV-

SYSTEMS  
SERVICES  
CONSULTANTS

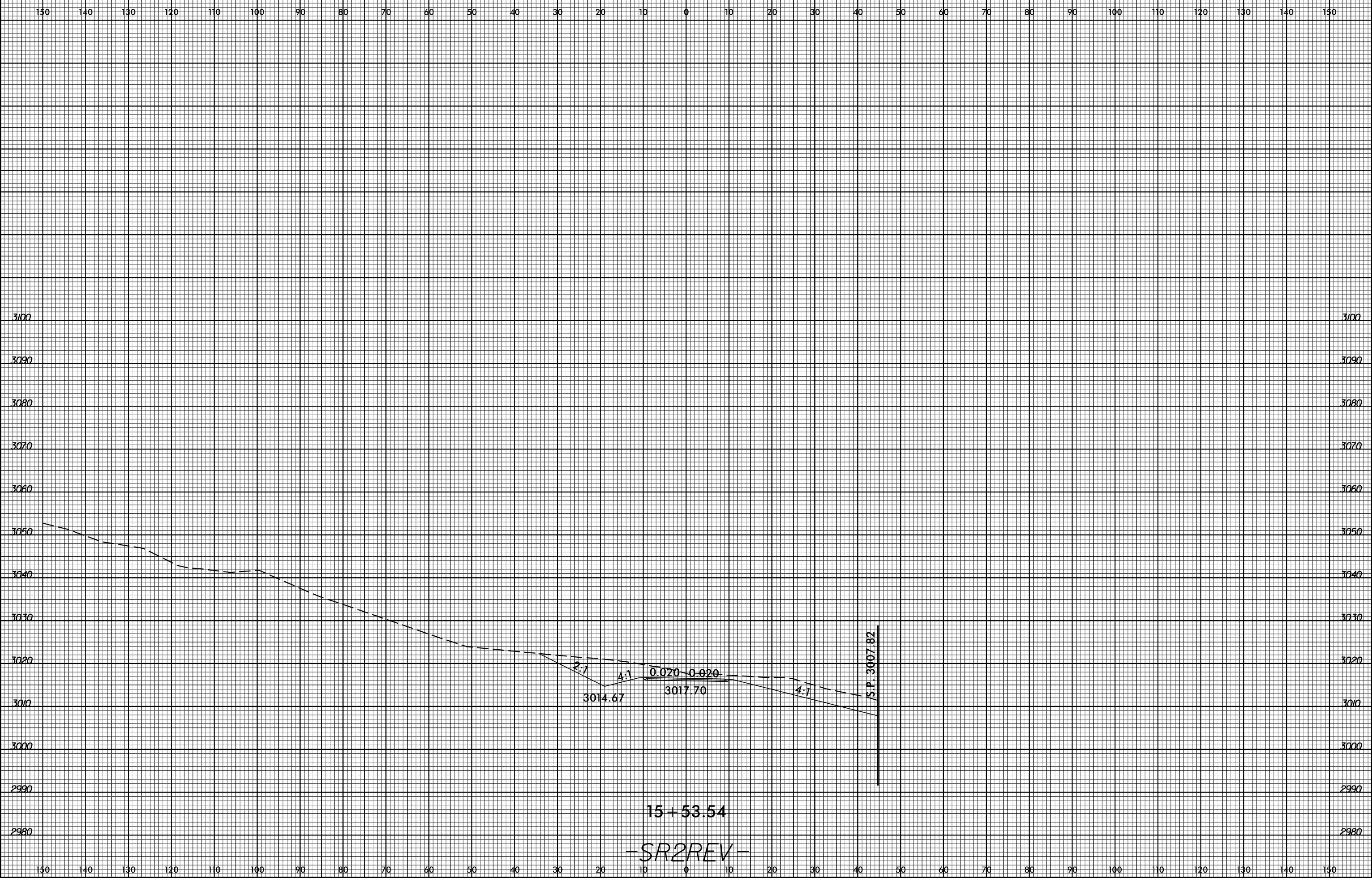
8/23/99



SYSTEMS  
SERVICES  
CONSULTING

-SR2REV-

8/23/99



-SR2REV-

SYTIME  
SHEETS  
REVISIONS

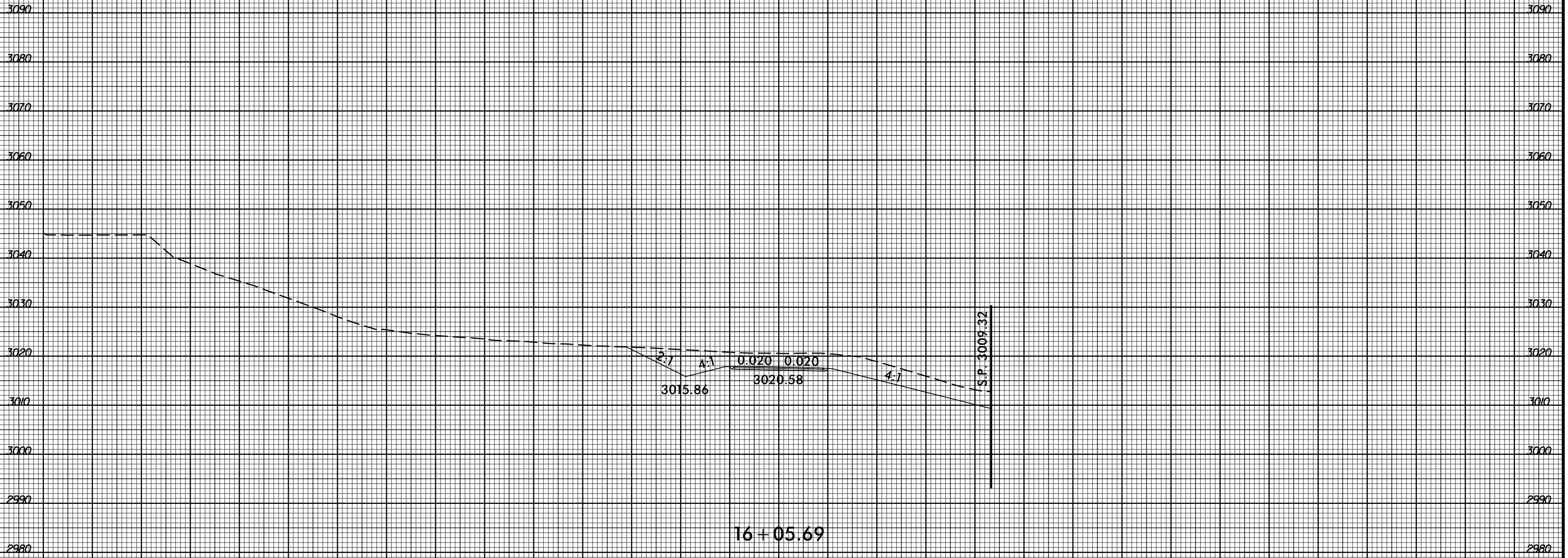
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-250

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

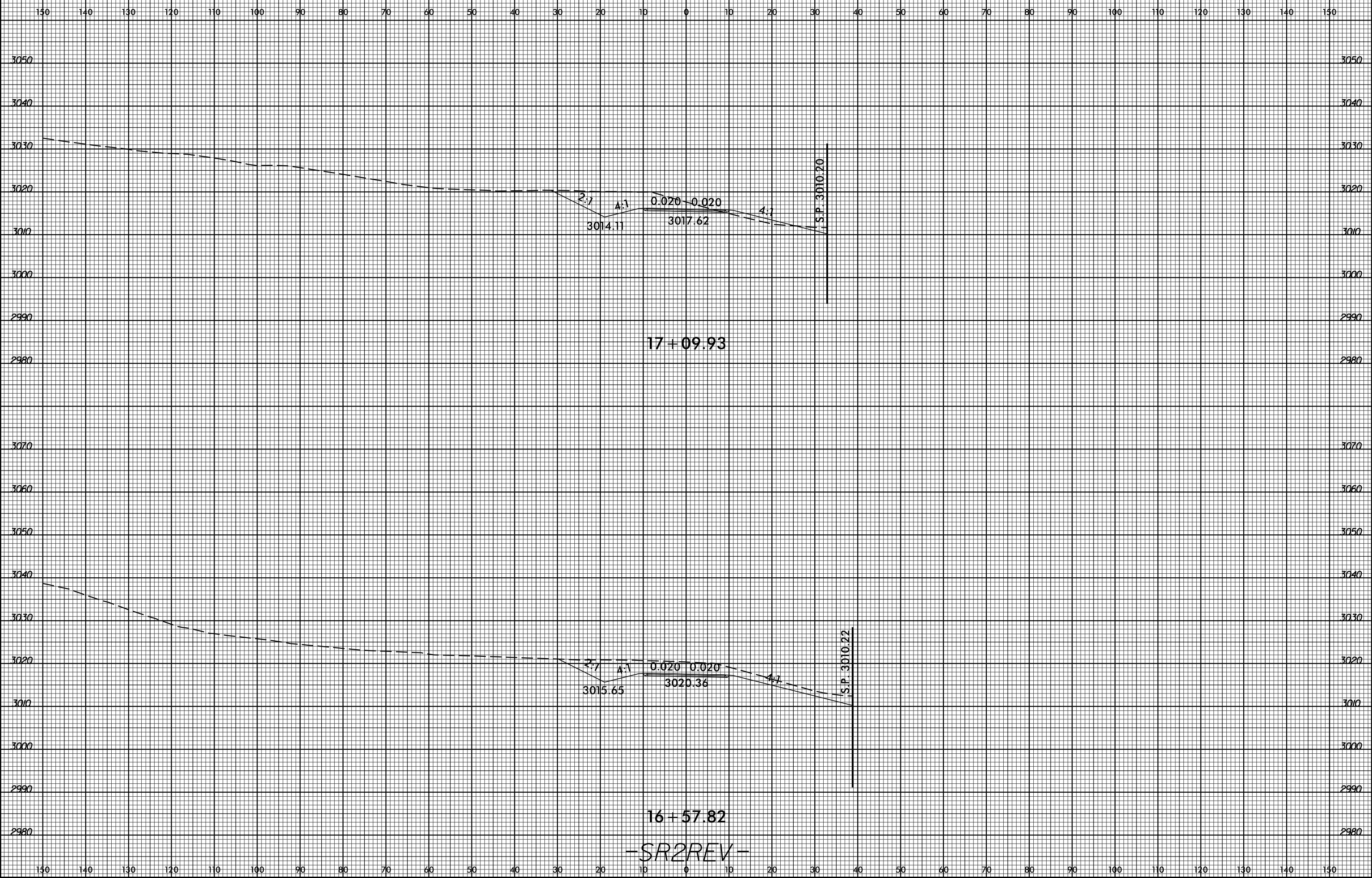


16+05.69  
-SR2REV-

SYTIME  
SHEET  
SCALE  
DATE



8/23/99



-SR2REV-

SYSTEMS  
SERVICES  
CONSULTANTS

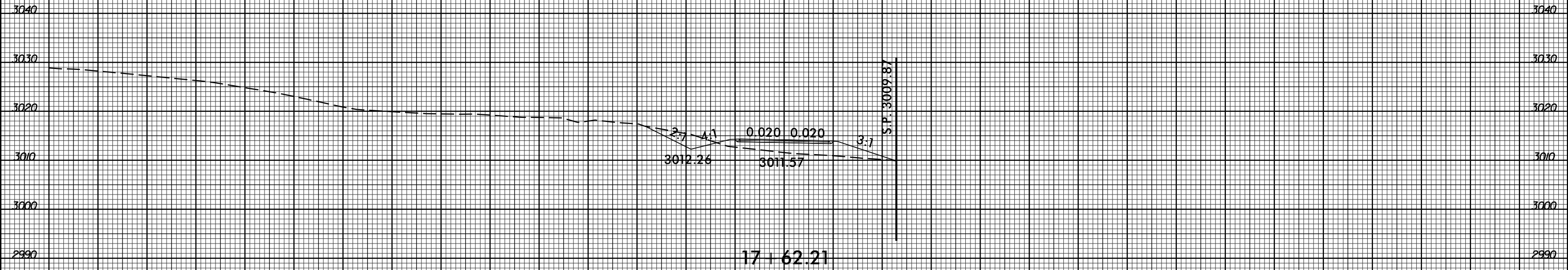
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-252

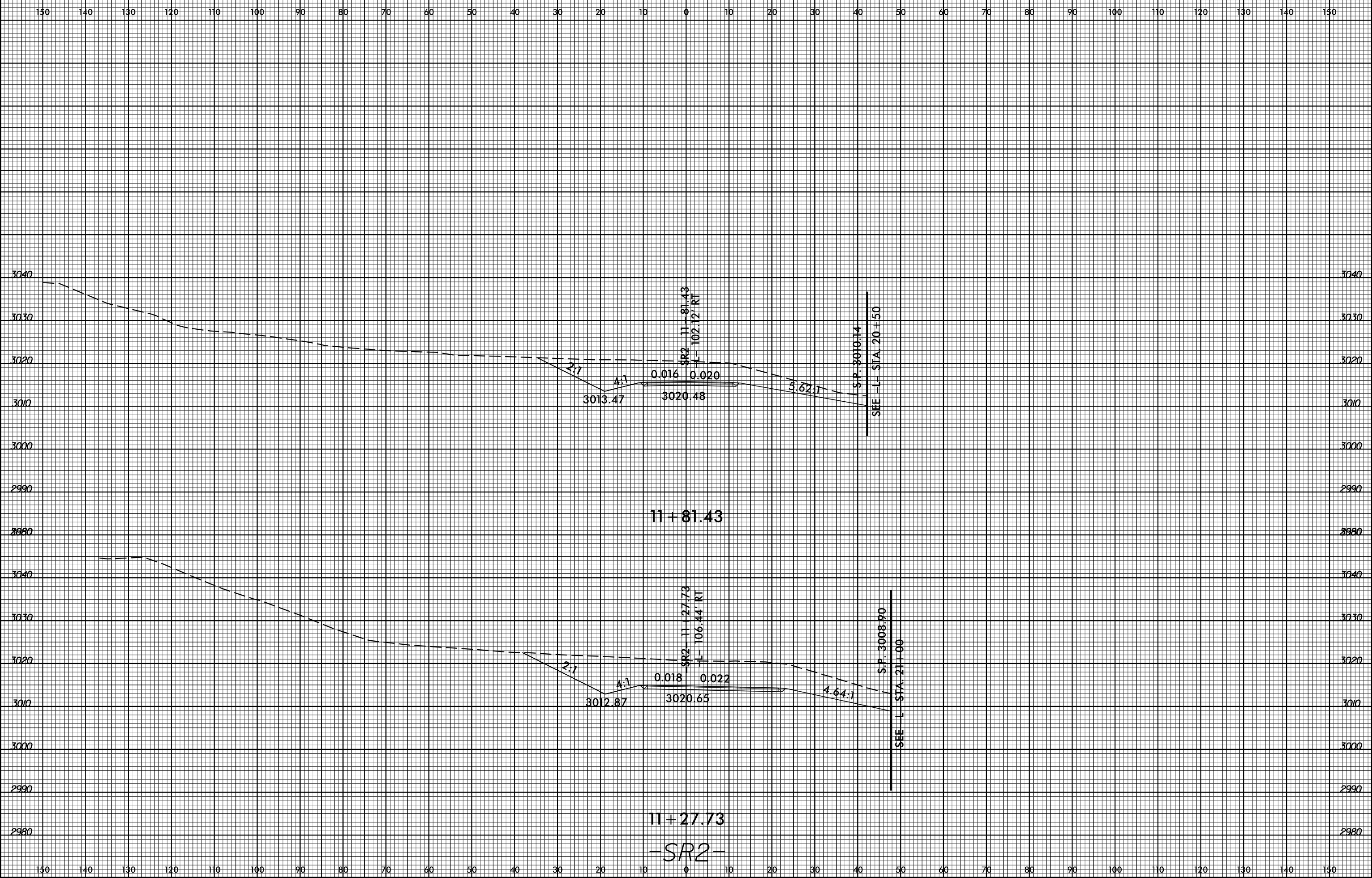
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-SR2REV-

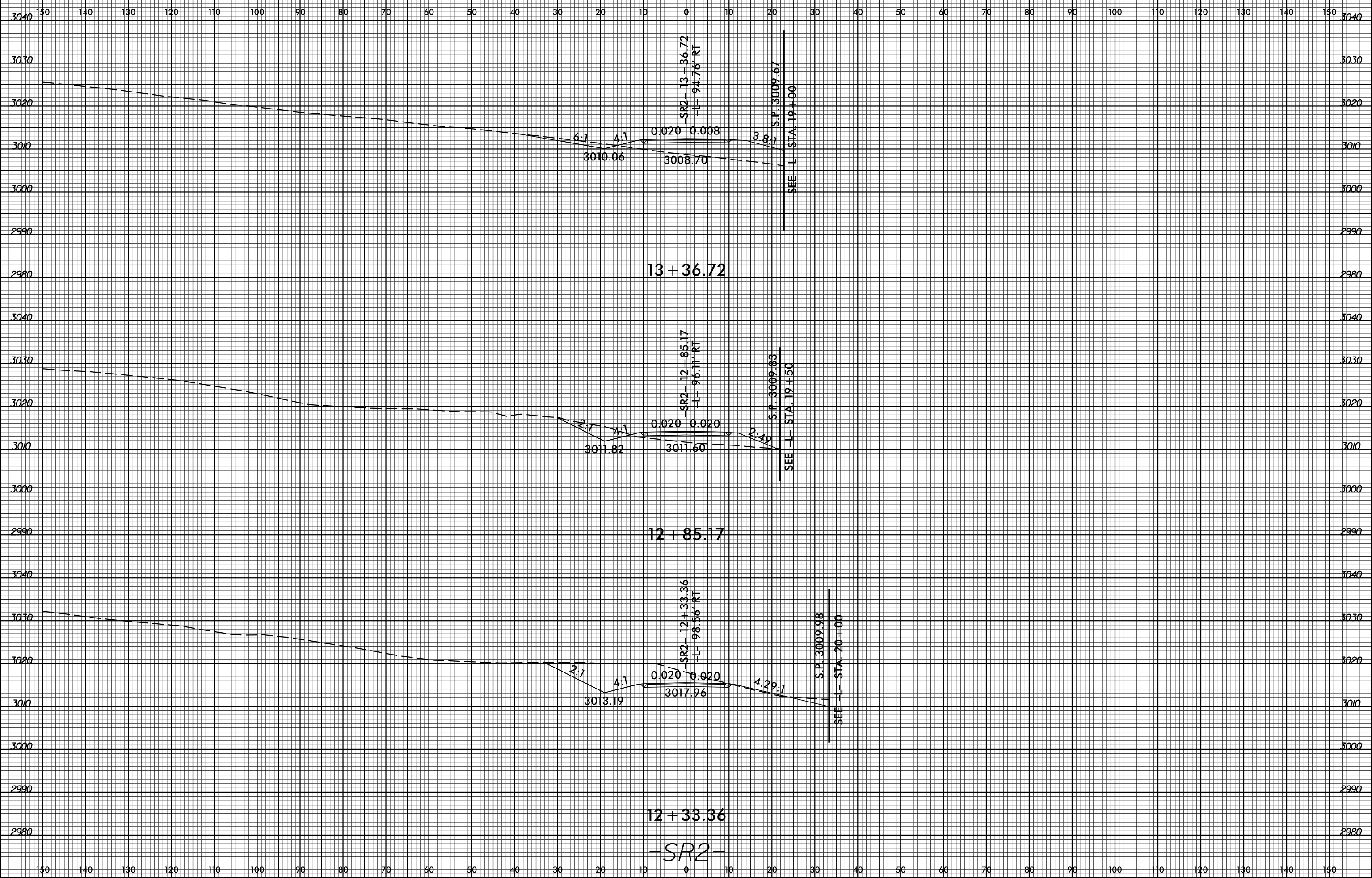
SYSTEMS  
SERVICES  
INC.

8/23/99



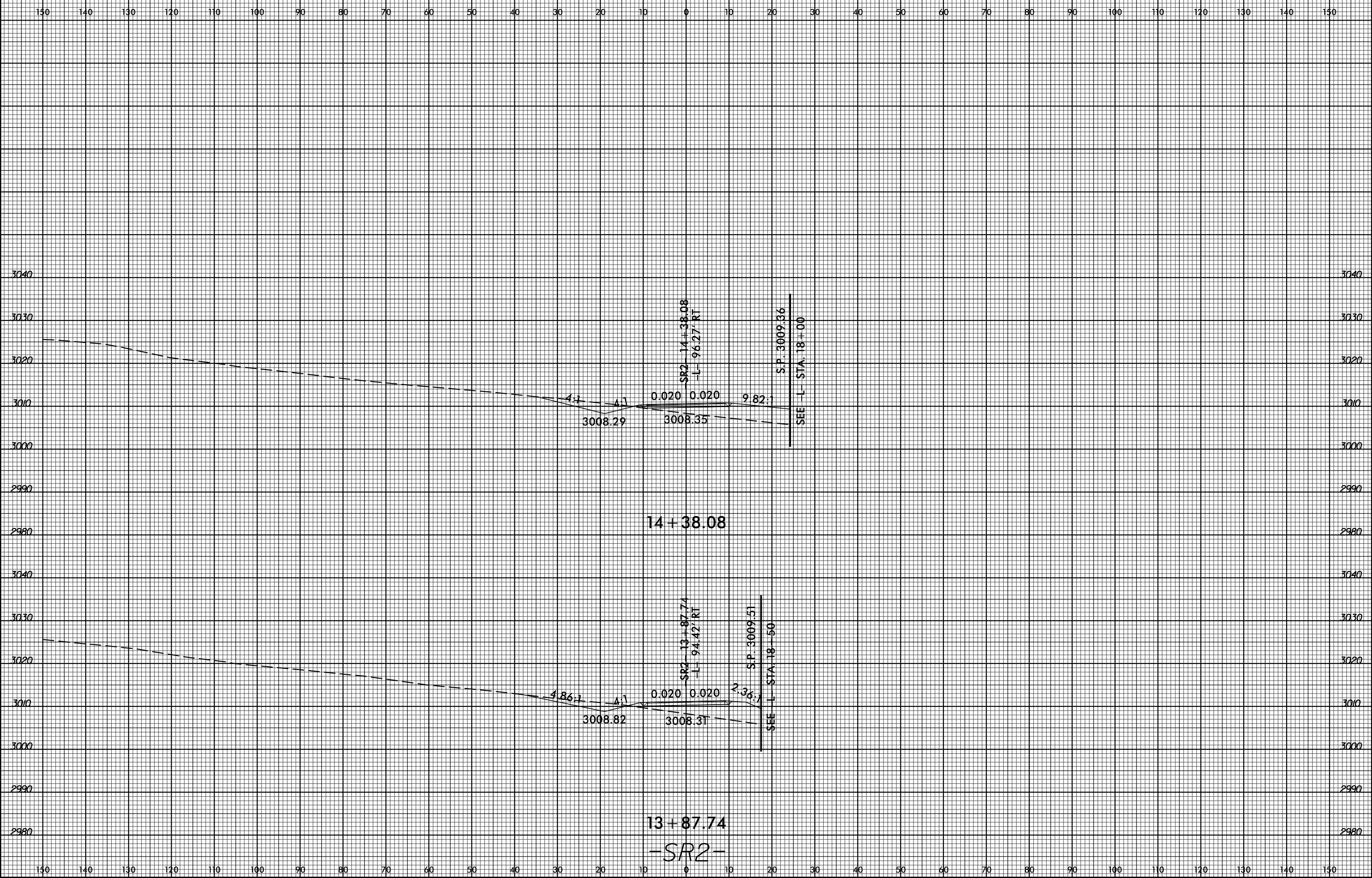
SYSTEMS  
SERVICES  
CONSULTANTS

8/23/99



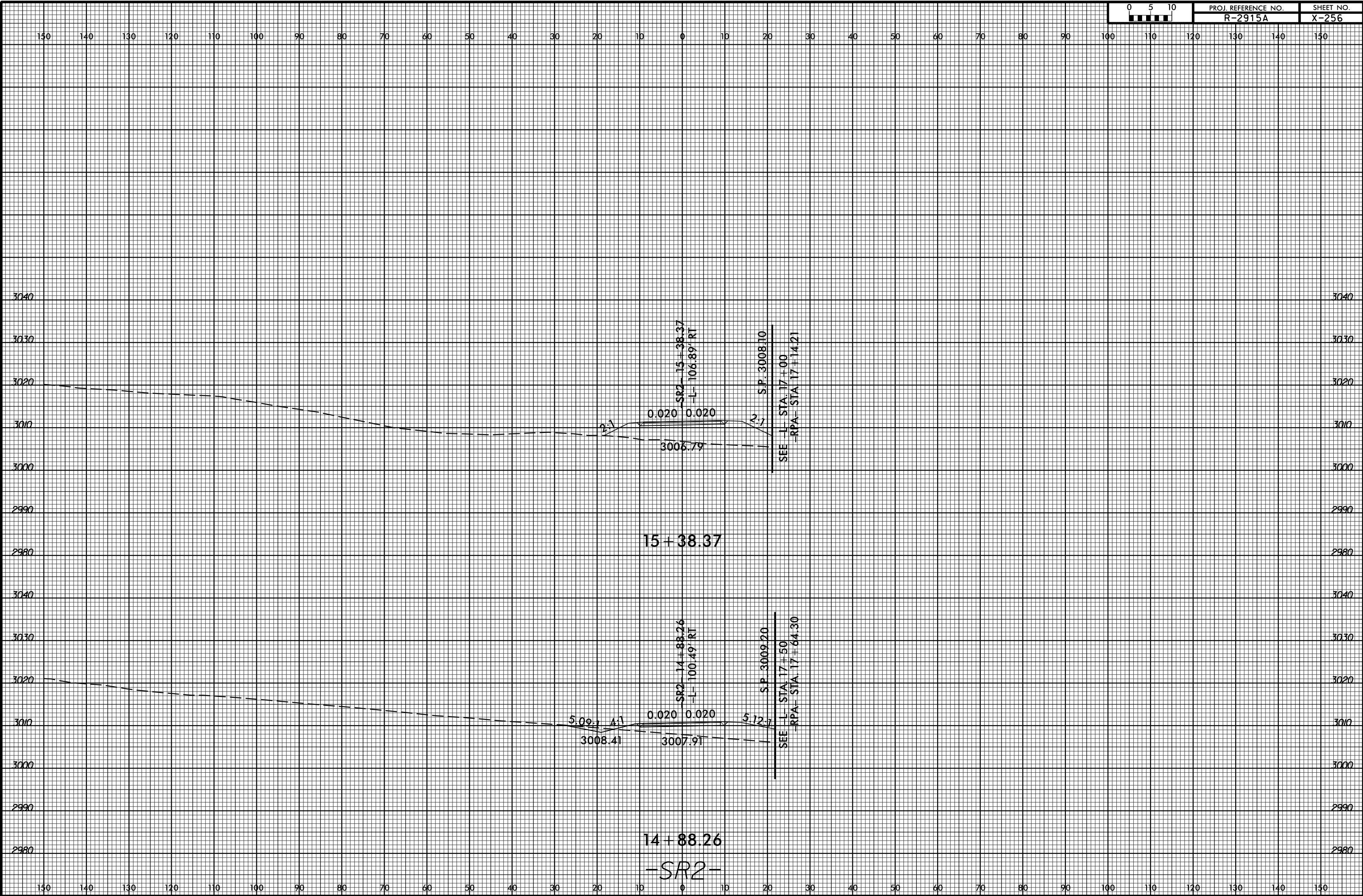
SYSTEMS

8/23/99



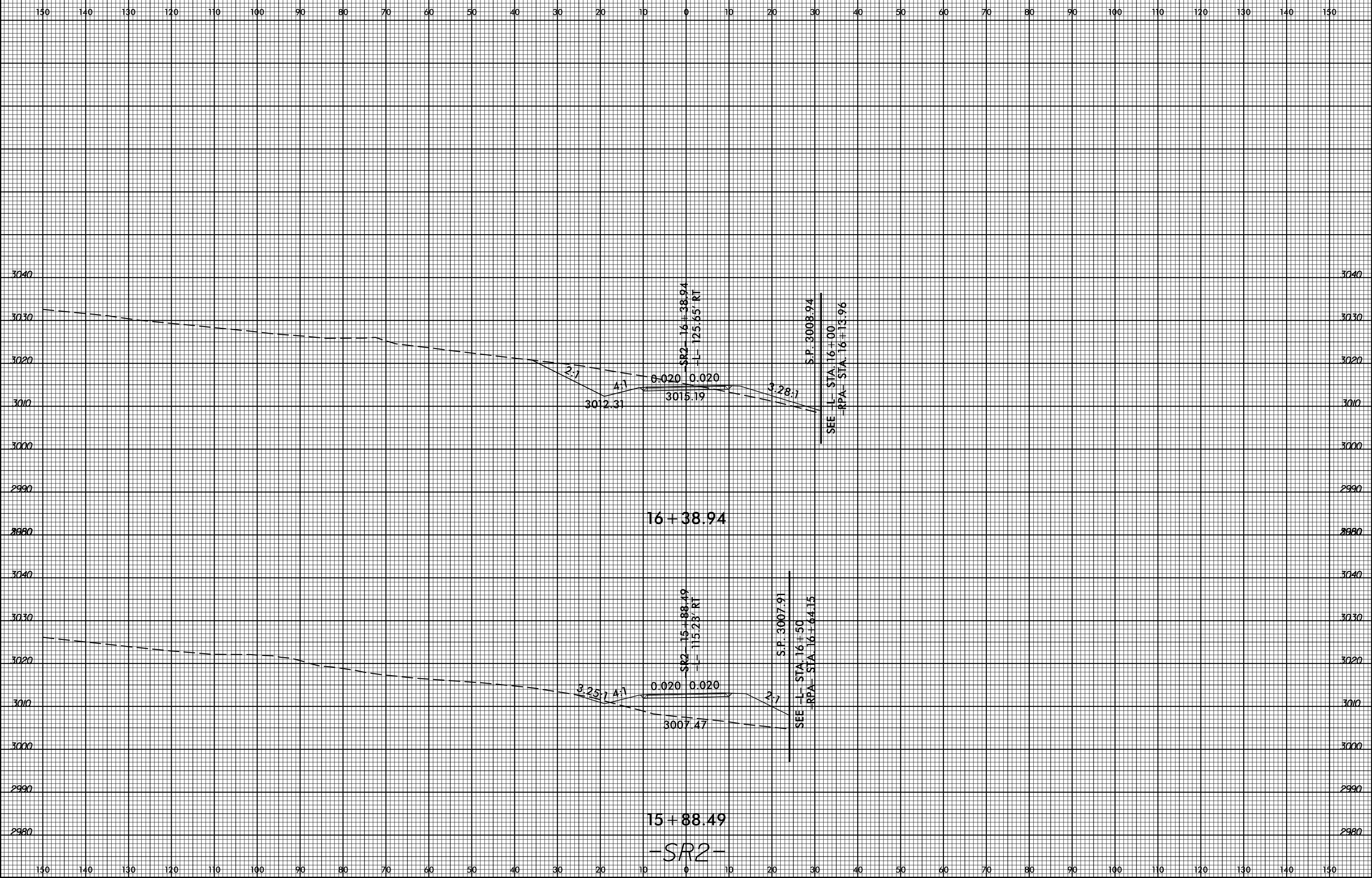
SYSTEMS  
SERVICES  
CONSULTING

8/23/99



SYSTEMS

8/23/99



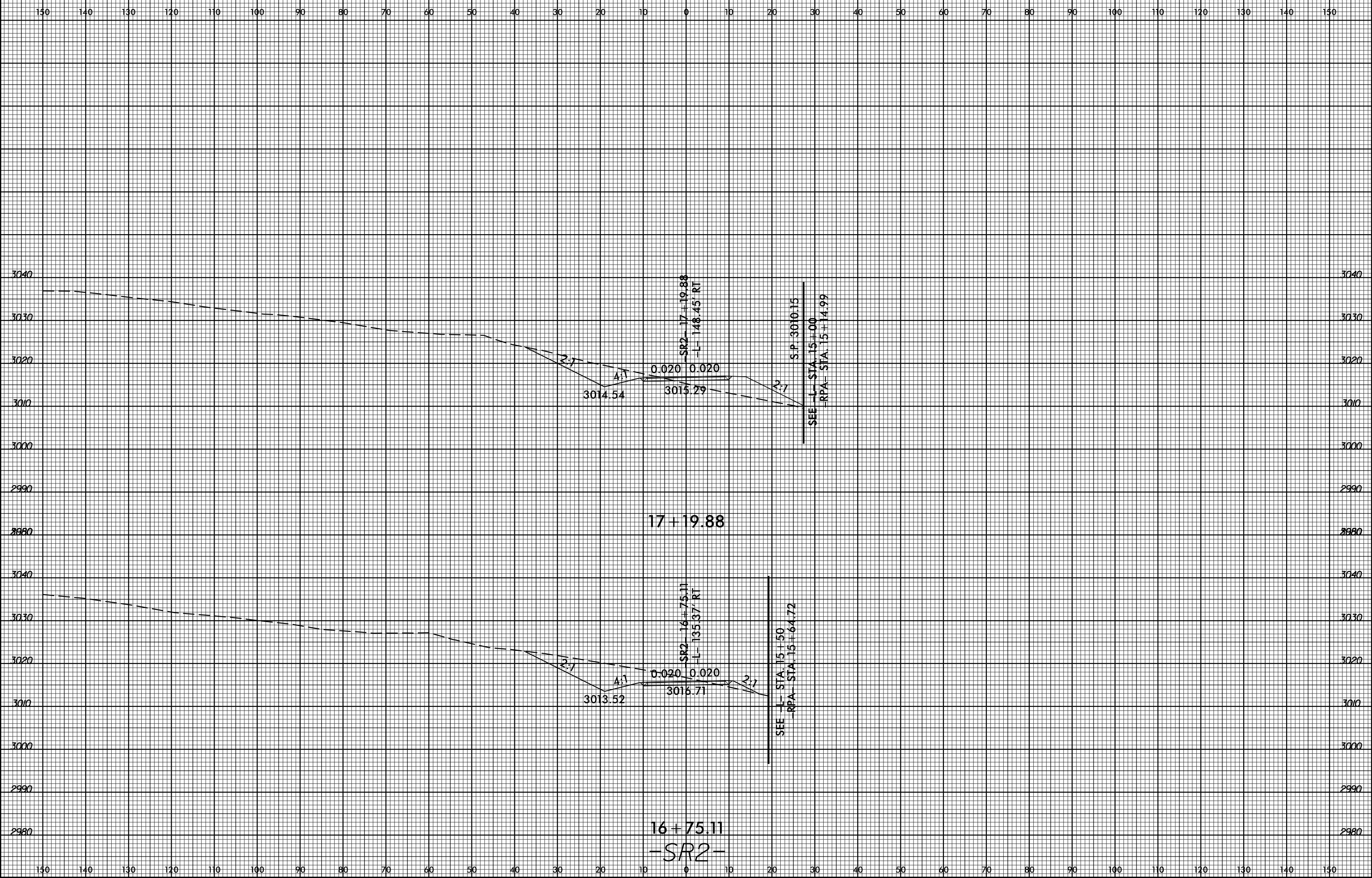
SYSTEMS  
 CONSULTANTS  
 ENGINEERS  
 ARCHITECTS  
 PLANNERS  
 INCORPORATED

8/23/99



PROJ. REFERENCE NO.  
R-2915A

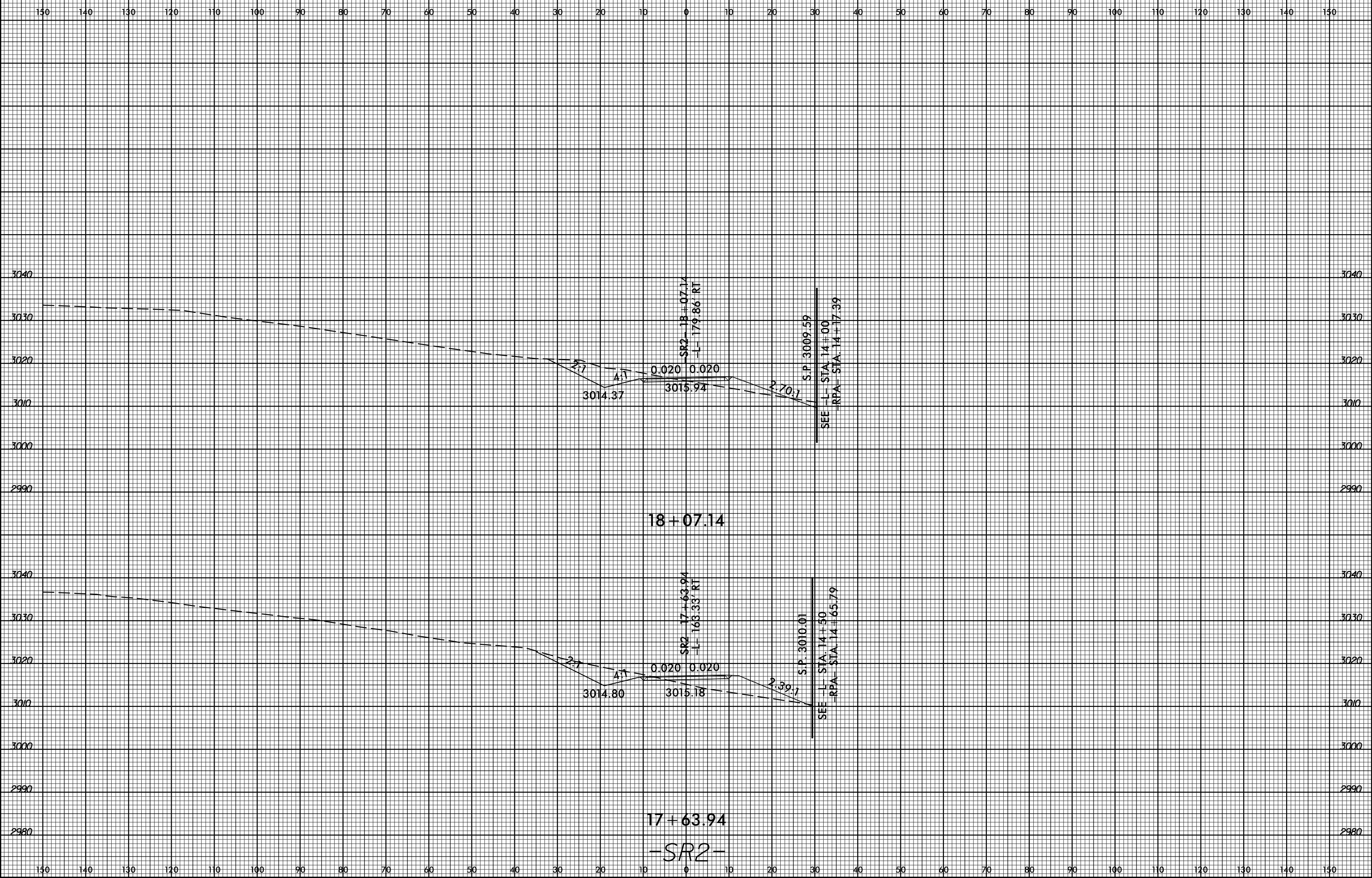
SHEET NO.  
X-258



SYSTEMS  
SERVICES  
INCORPORATED



8/23/99



18 + 07.14

17 + 63.94

-SR2-

SR2-18+07.14  
-L- 179.86 RT

SR2-17+63.94  
-L- 163.33 RT

S.P. 3009.59  
SEE -L- STA. 14+00  
-RPA- STA. 14+17.39

S.P. 3010.01  
SEE -L- STA. 14+50  
-RPA- STA. 14+65.79

3014.37      3013.94      2.70.1

3014.80      3015.18      2.39.1

0.020 0.020

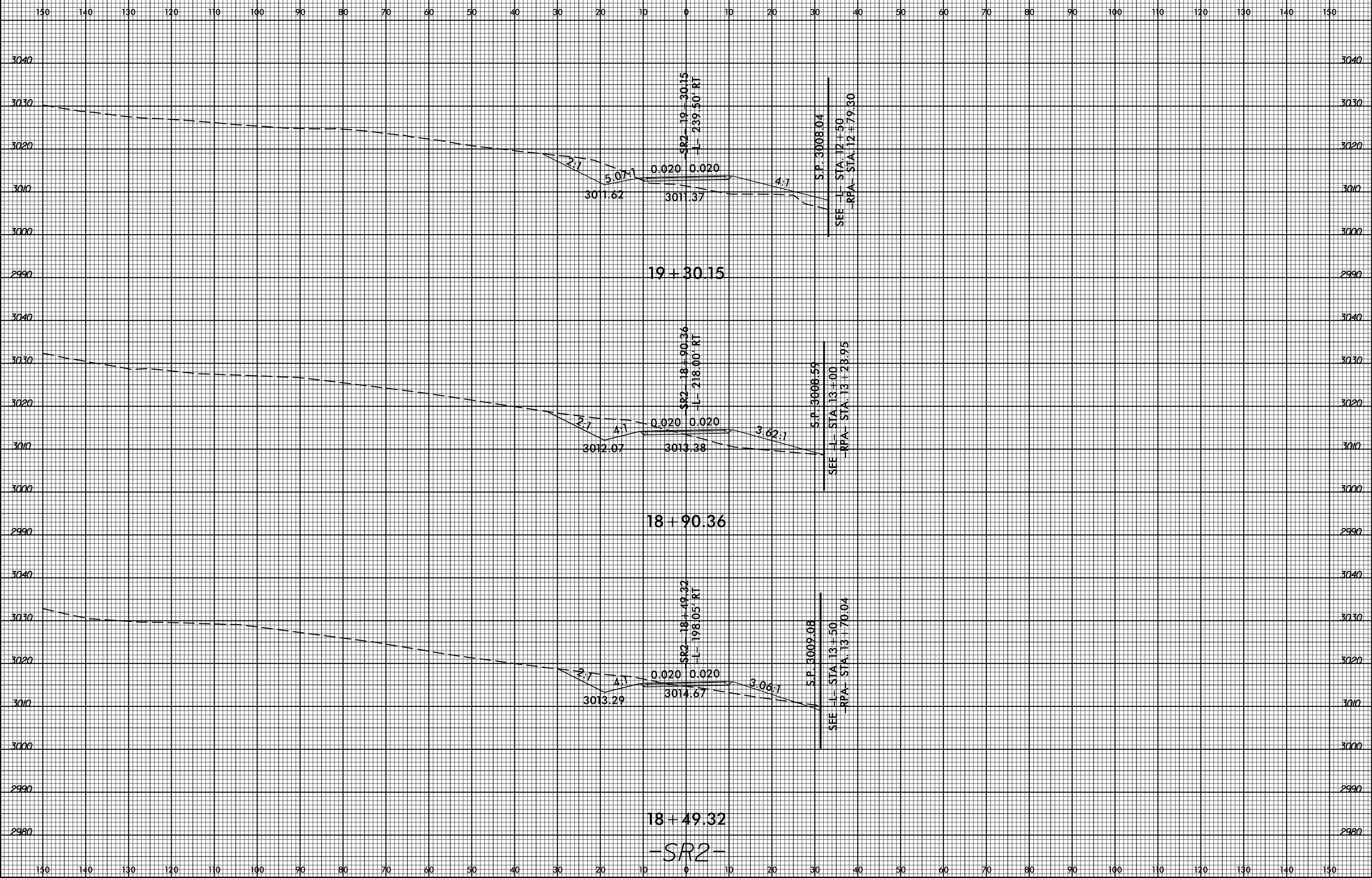
0.020 0.020

2:1      4:1

2:1      4:1

SYSTEMS  
SERVICES  
INCORPORATED

8/23/99



19 + 30.15

18 + 90.36

18 + 49.32

-SR2-

SR2-19-30.15  
 -L- 239.50' RT  
 S.P. 3008.04  
 SEE -L- STA. 12+50  
 -RPA- STA. 12+79.30

SR2-18+90.36  
 -L- 218.00' RT  
 S.P. 3008.59  
 SEE -L- STA. 13+00  
 -RPA- STA. 13+23.95

SR2-18+49.32  
 -L- 198.05' RT  
 S.P. 3009.08  
 SEE -L- STA. 13+50  
 -RPA- STA. 13+70.04

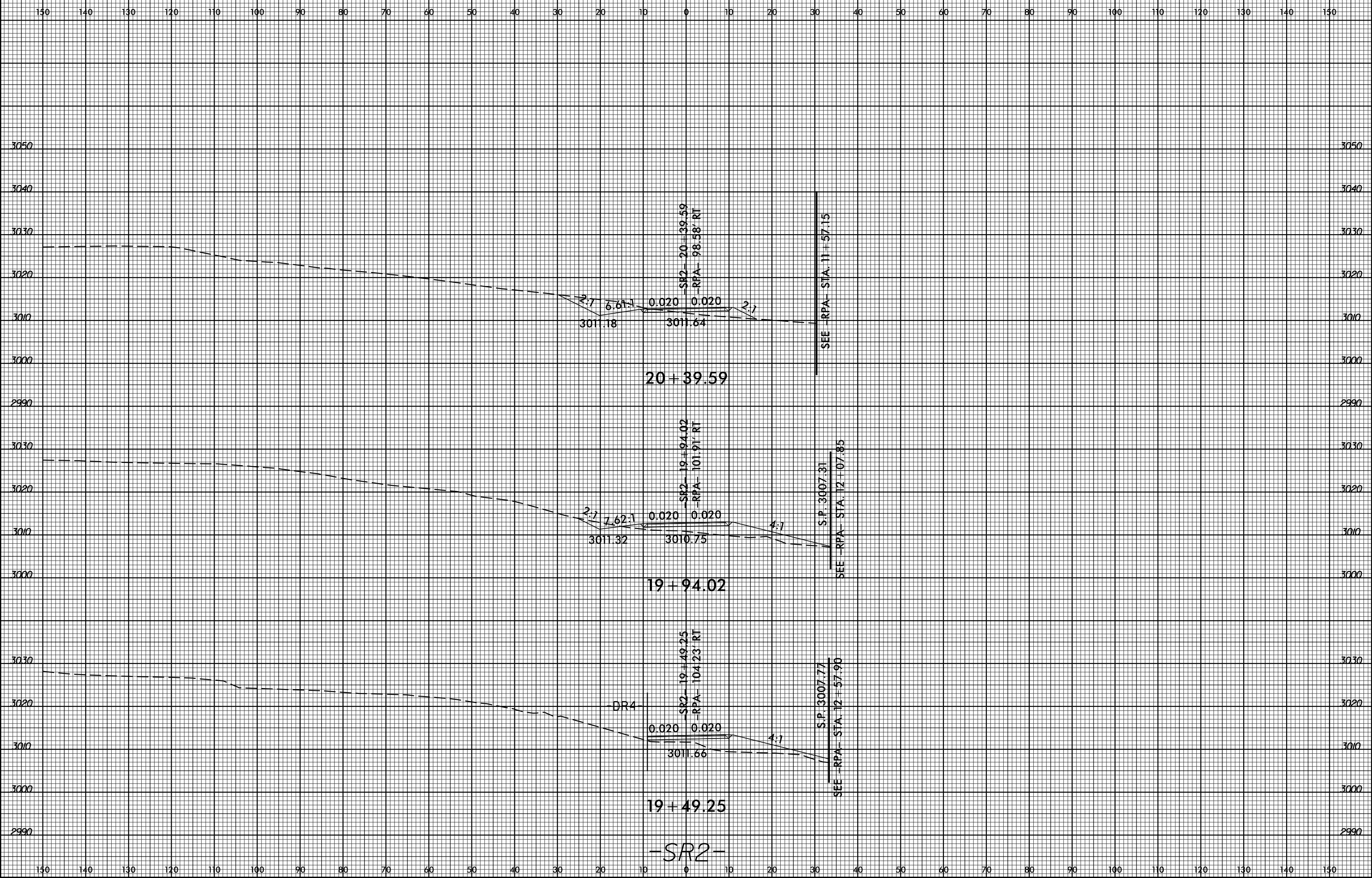
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-261



20 + 39.59

19 + 94.02

19 + 49.25

-SR2-

DR4

SR2 - 20 = 39.59  
 -RPA - 98.58' RT

SR2 - 19 = 94.02  
 -RPA - 101.91' RT

SR2 - 19 = 49.25  
 -RPA - 104.23' RT

SEE -RPA- STA. 11 = 57.15

S.P. 3007.31  
SEE -RPA- STA. 12 = 07.85

S.P. 3007.77  
SEE -RPA- STA. 12 = 57.90

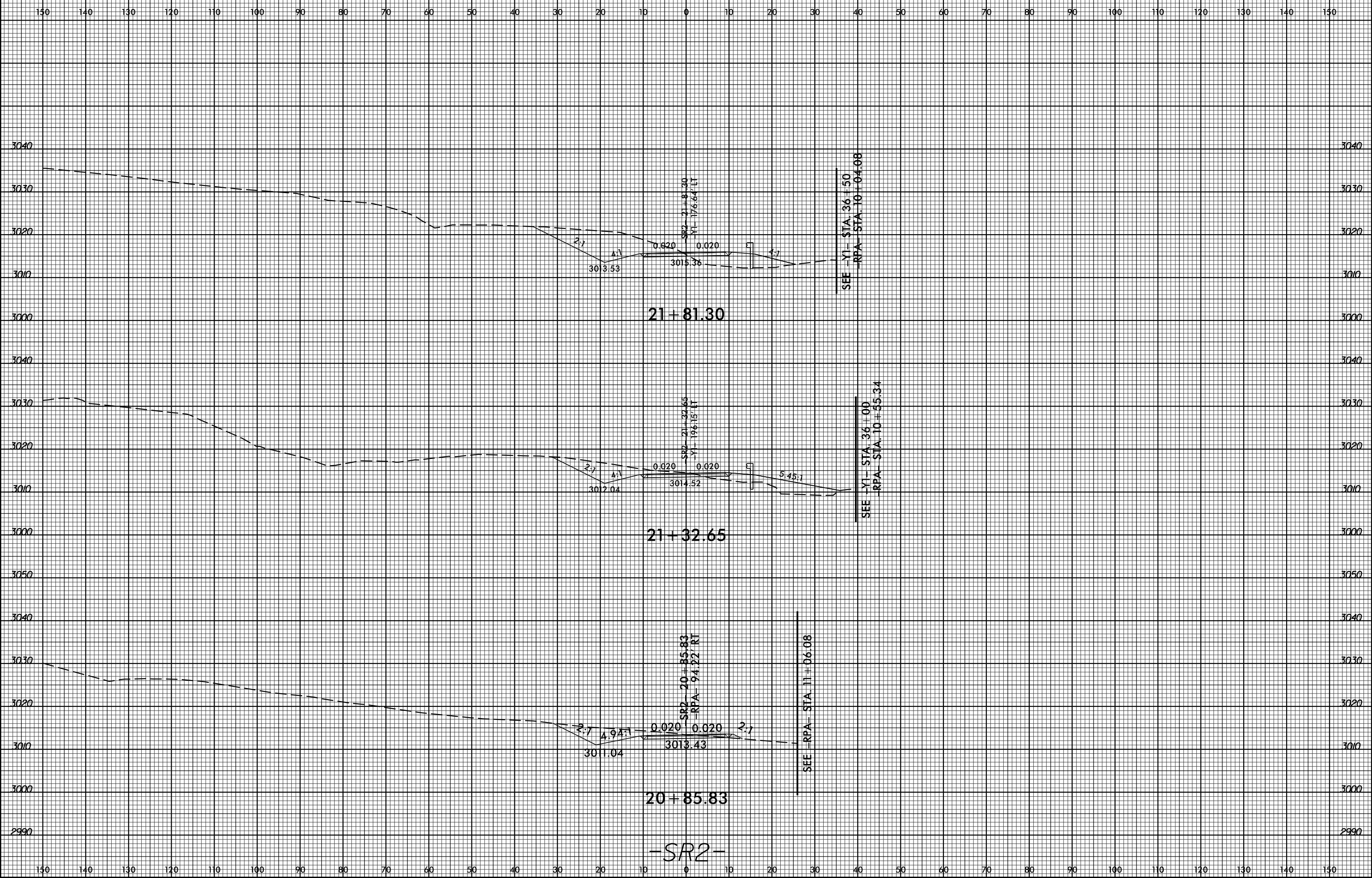
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-262



21+81.30

21+32.65

20+85.83

-SR2-

SEE -Y1- STA. 36+50  
-RPA- STA. 10+04.08

SEE -Y1- STA. 36+00  
-RPA- STA. 10+55.34

SEE -RPA- STA. 11+06.08

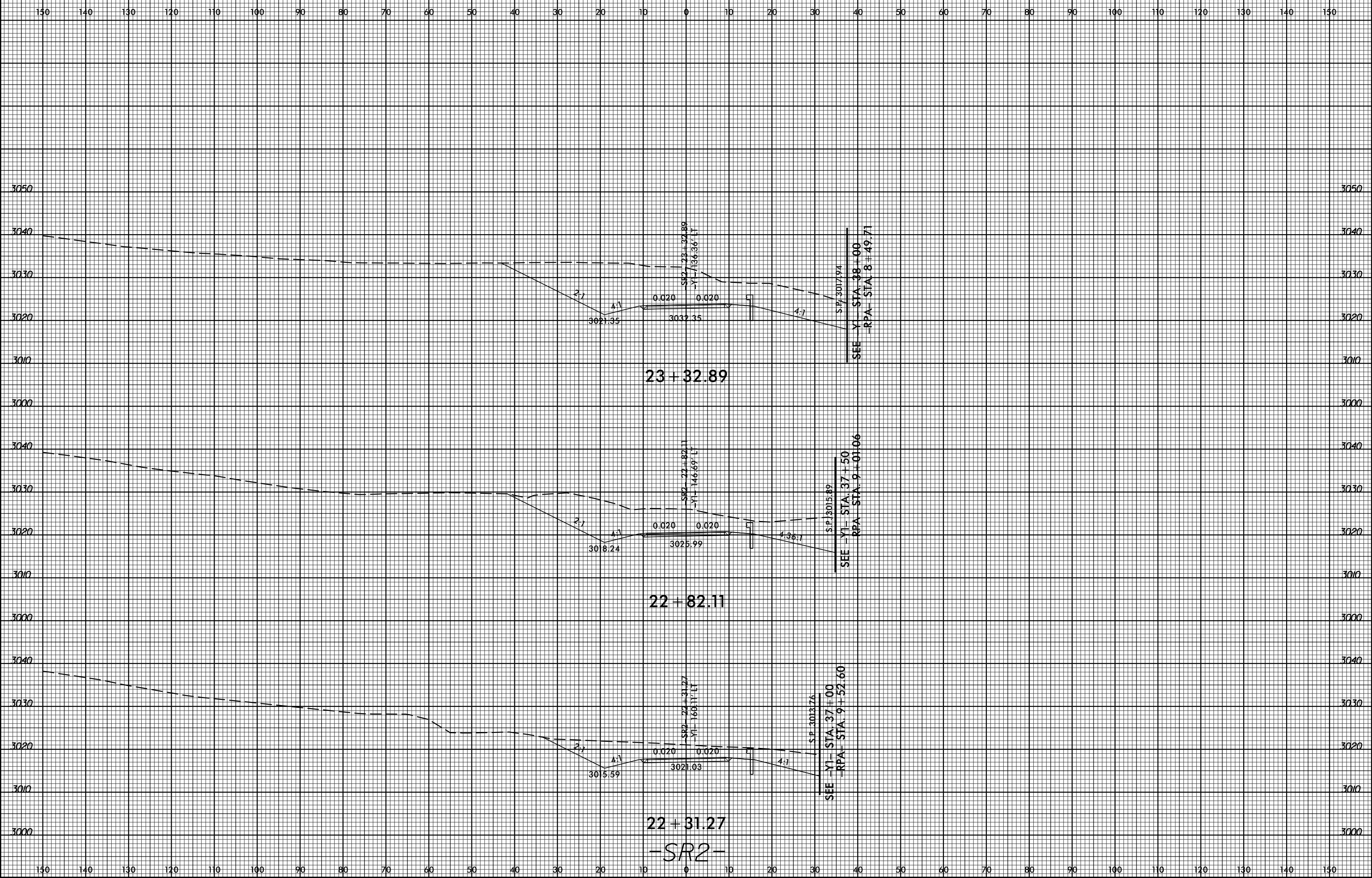
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-263



23 + 32.89

22 + 82.11

22 + 31.27

-SR2-

S.P. 3017.94  
SEE Y1 STA. 38+00  
RPA STA. 8+49.71

S.P. 3015.89  
SEE Y1 STA. 37+50  
RPA STA. 9+01.06

S.P. 3013.76  
SEE Y1 STA. 37+00  
RPA STA. 9+52.60

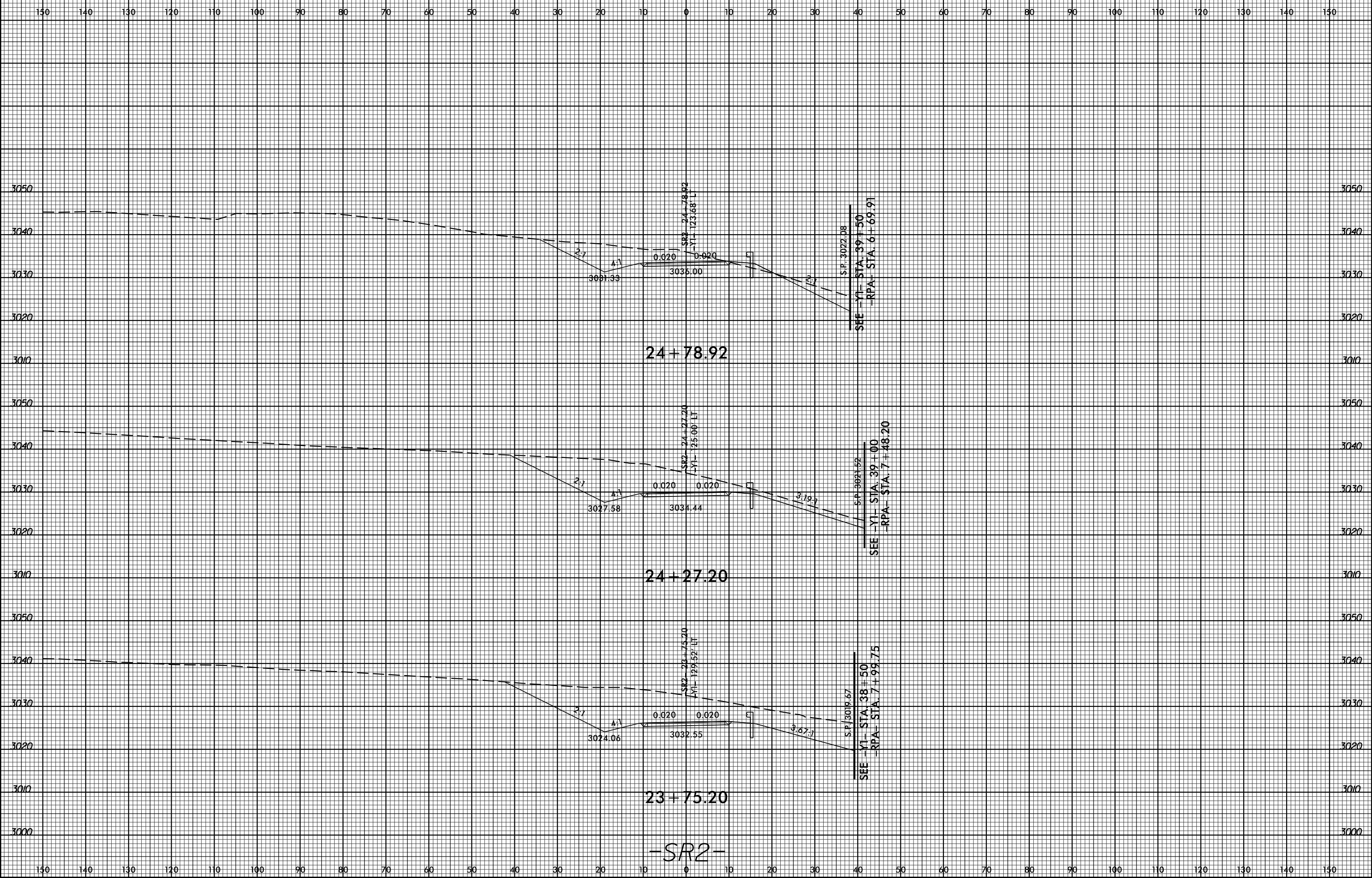
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-264



24+78.92

24+27.20

23+75.20

-SR2-

S.P. 3022.08  
SEE -Y1- STA. 89+50  
-RPA- STA. 6+69.91

S.P. 3021.52  
SEE -Y1- STA. 39+00  
-RPA- STA. 7+48.20

S.P. 3019.67  
SEE -Y1- STA. 38+50  
-RPA- STA. 7+99.75

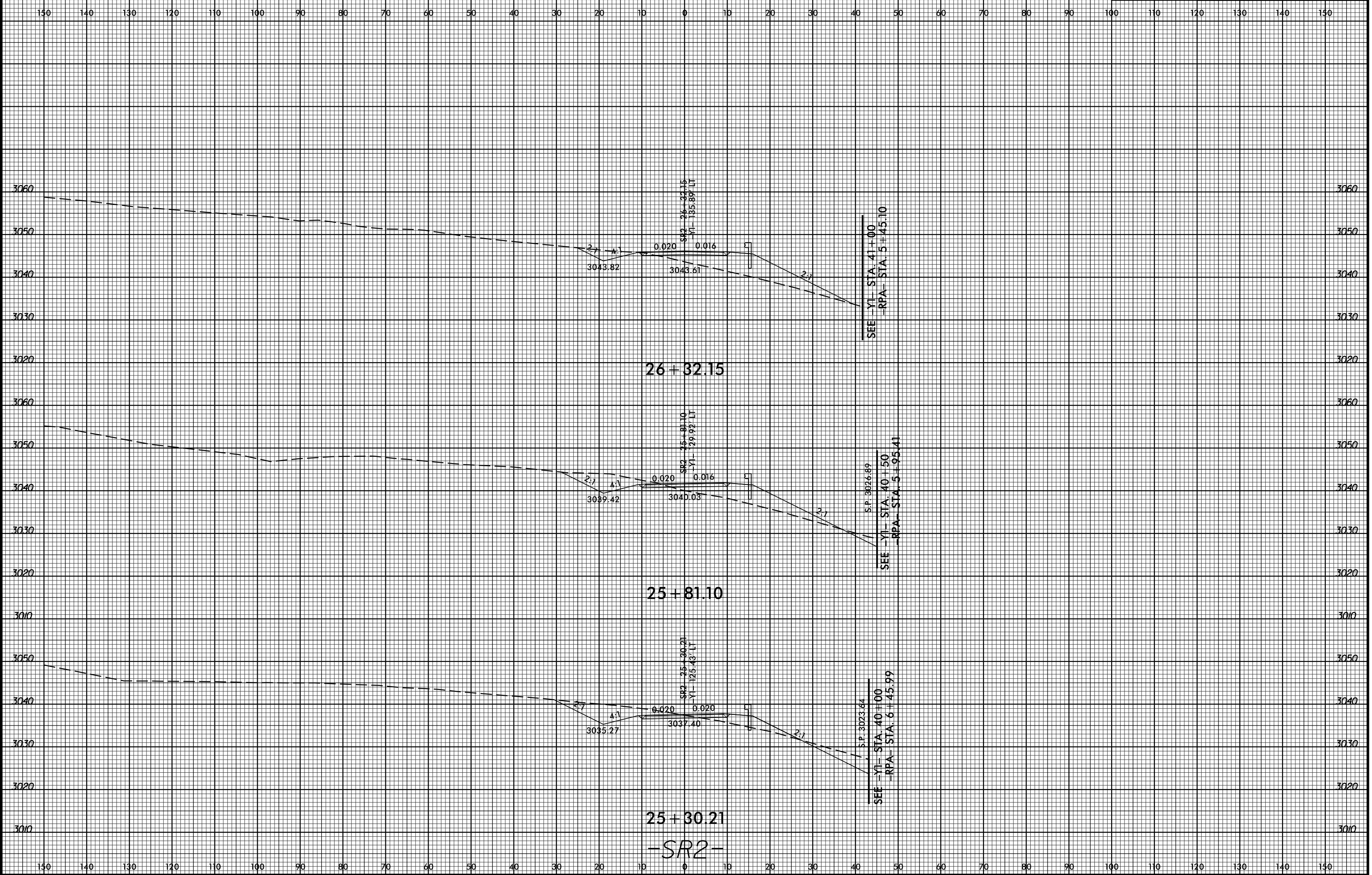
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-265



26 + 32.15

25 + 81.10

25 + 30.21

-SR2-

SEE -Y1- STA. 41+00  
-RPA- STA. 5+45.10

S.P. 3026.89  
SEE -Y1- STA. 40+50  
-RPA- STA. 5+95.41

S.P. 3023.64  
SEE -Y1- STA. 40+00  
-RPA- STA. 6+45.99

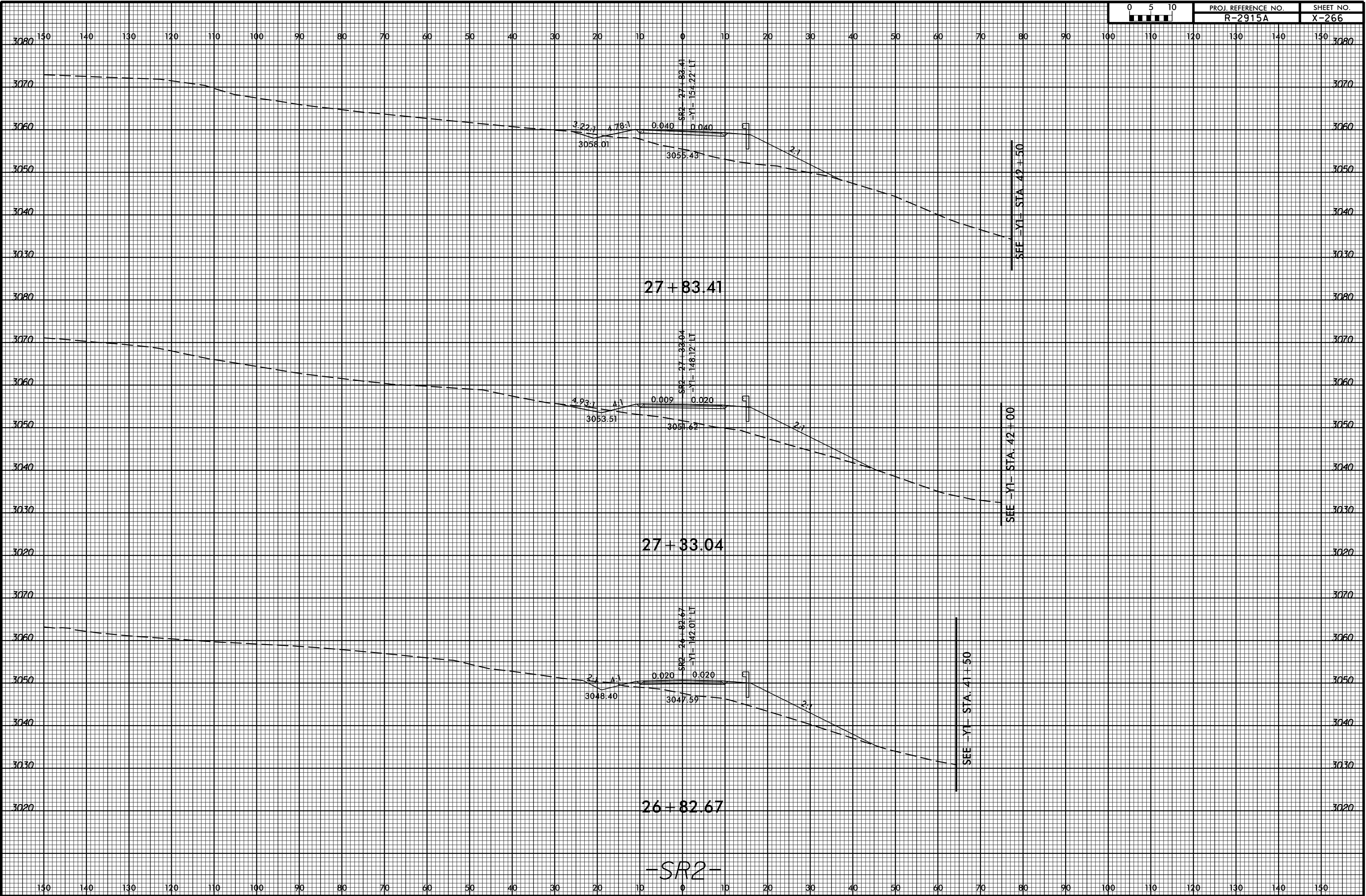
SYSTEMS  
SERVICES  
CORPORATION

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-266



-SR2-

SYSTEMS  
SERVICES  
CORPORATION



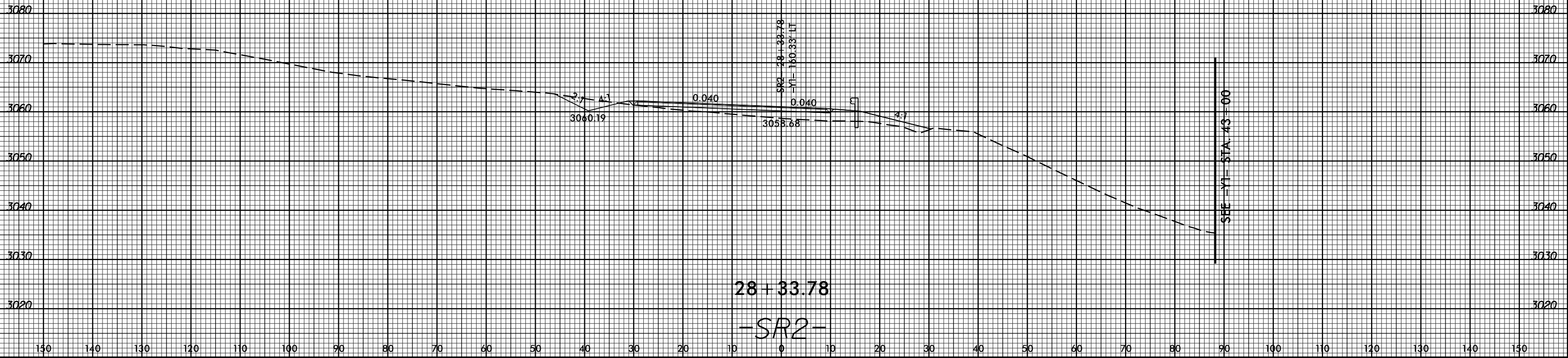
8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-267

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



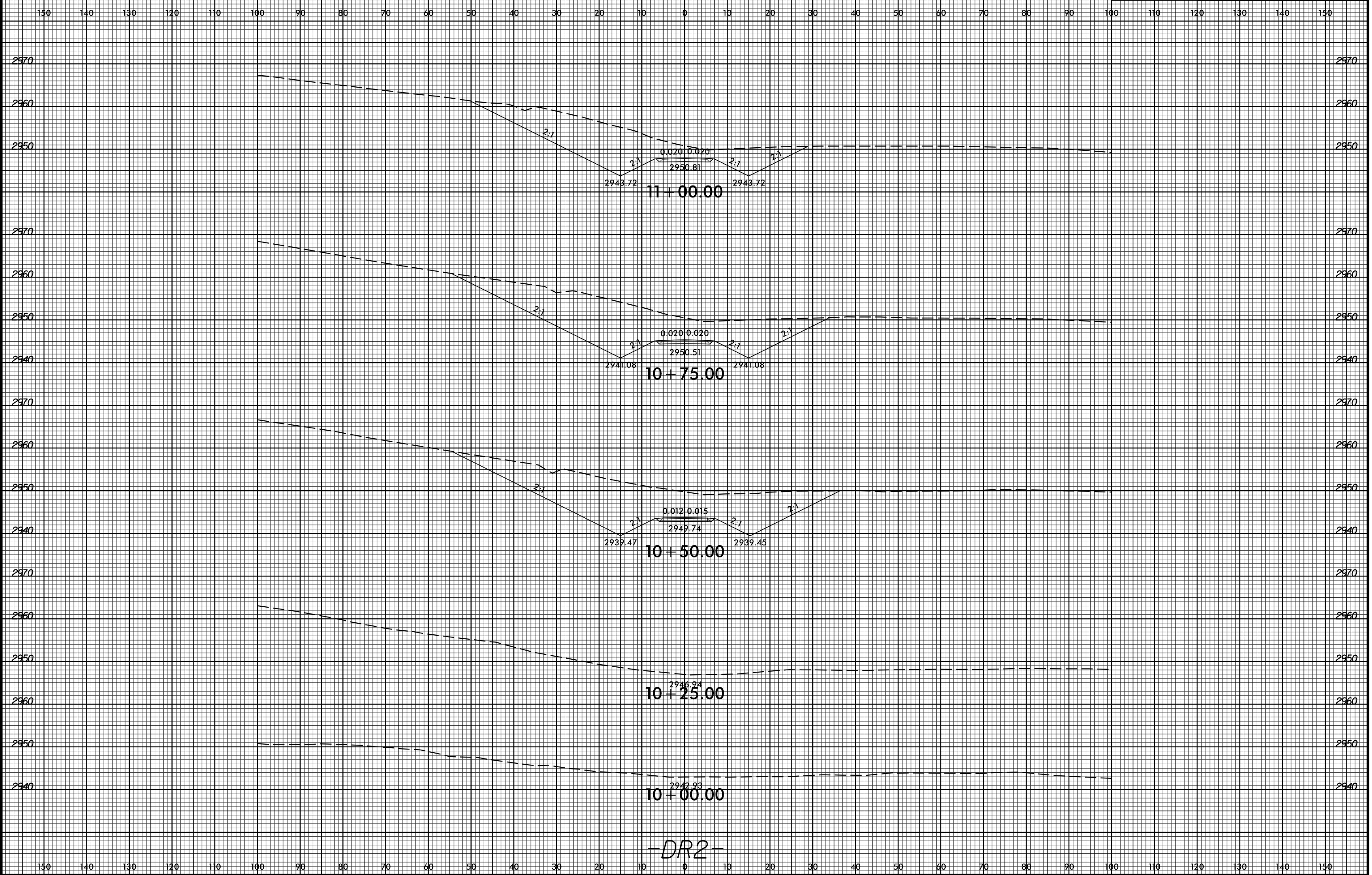
SYSTEMS  
DESIGN  
CONSULTANTS  
INCORPORATED

8/23/99



PROJ. REFERENCE NO.  
R-2915A

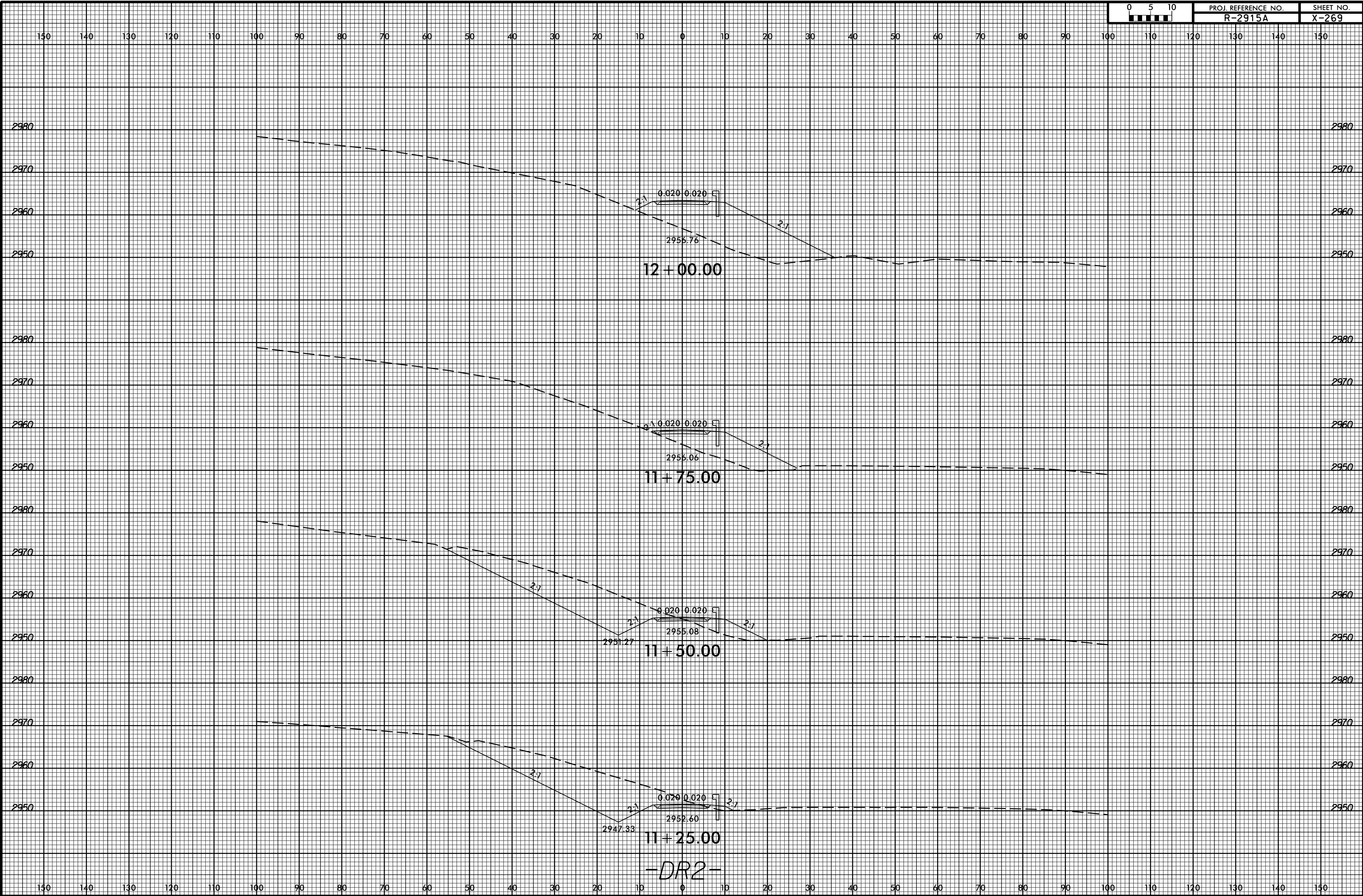
SHEET NO.  
X-268



-DR2-

SYSTEMS  
SERVICES  
INC.

8/23/99



SYSTEMS  
 DESIGN  
 CONSULTANTS  
 INC.

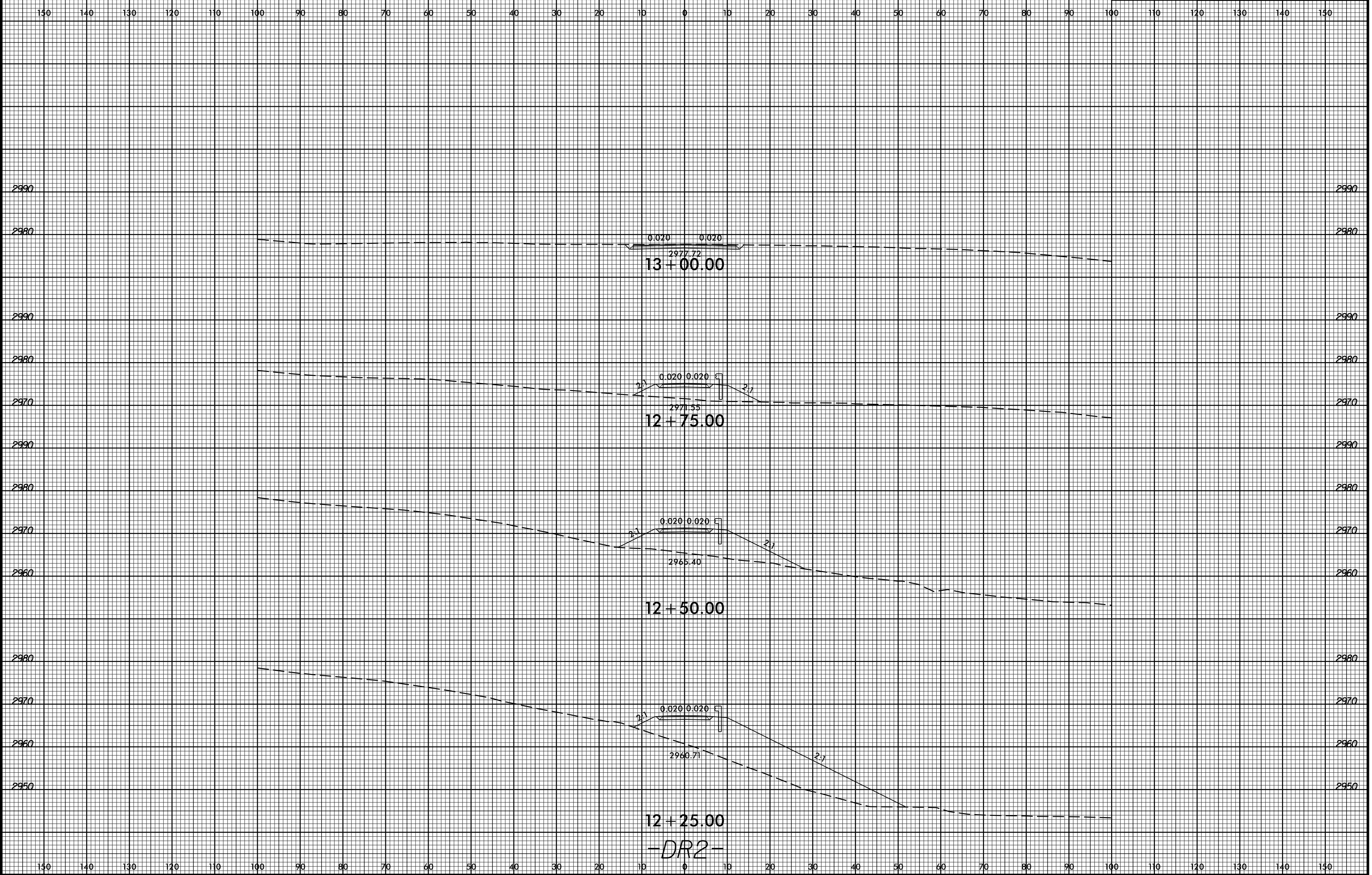
-DR2-

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-270



12+25.00  
-DR2-

12+50.00

12+75.00

13+00.00

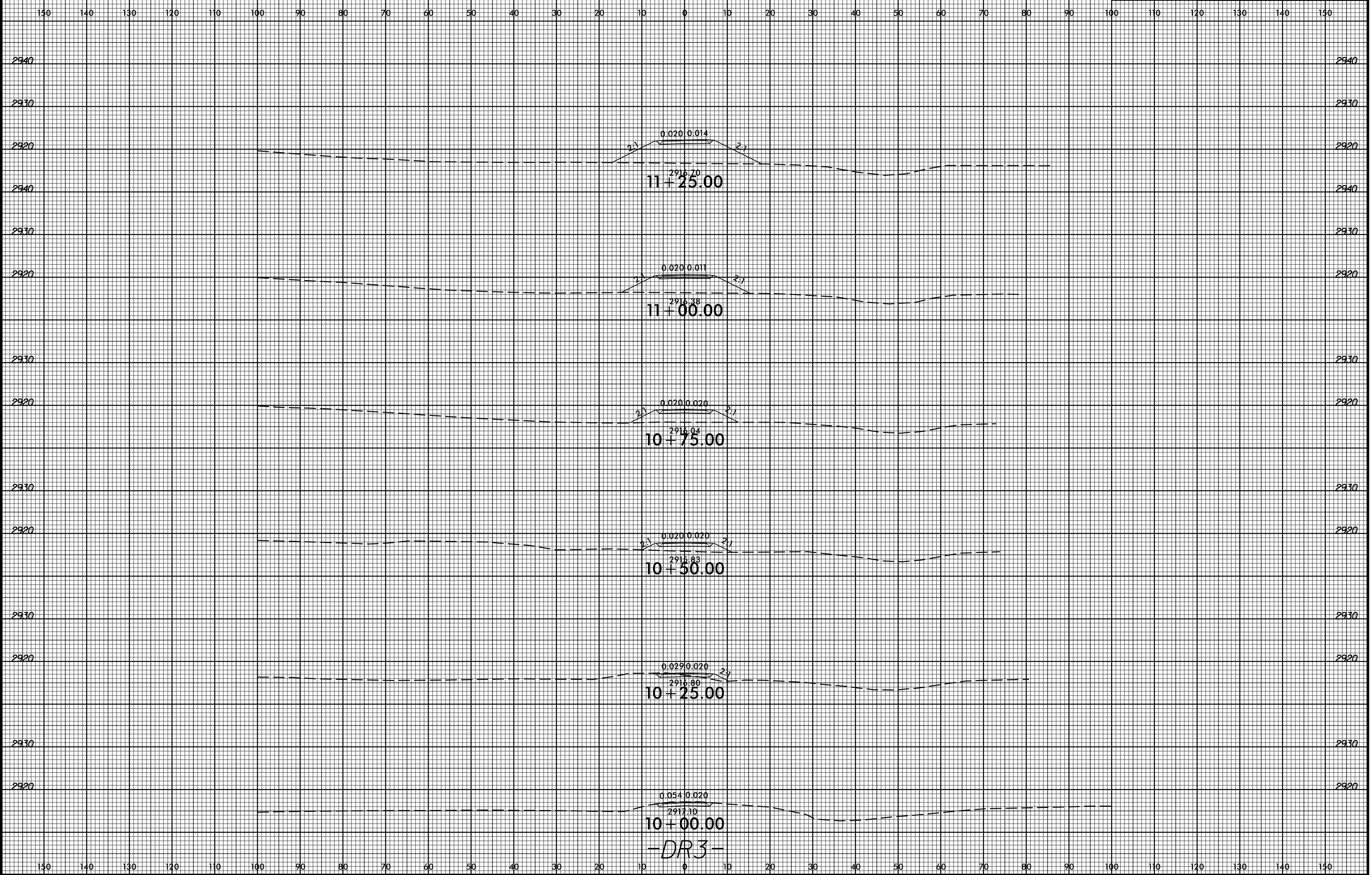
SYSTEMS  
SERVICES  
INC.

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-271



-DR3-

SYSTEMS  
CONSULTANTS  
INCORPORATED

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-272

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

2940

2940

2930

2930

2920

2920

2940

2940

2930

2930

2920

2920

2940

2940

2930

2930

2920

2920

150

140

130

120

110

100

90

80

70

60

50

40

30

20

10

0

10

20

30

40

50

60

70

80

90

100

110

120

130

140

150

12 + 00.00

11 + 75.00

11 + 50.00

-DR3-

0.032 0.032

0.040 0.040

0.040 0.039

2:1

2:1

2:1

2:1

2:1

2:1

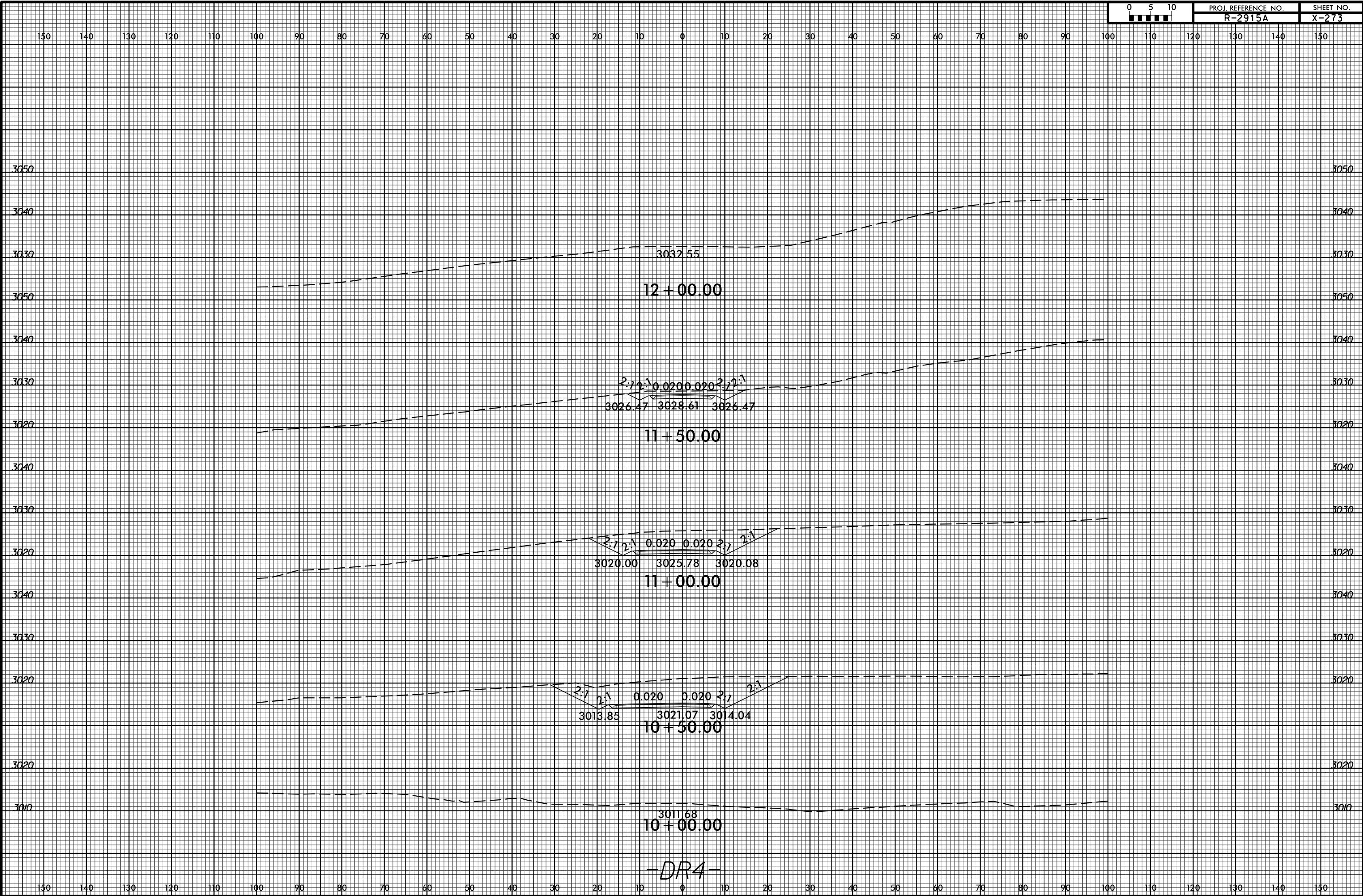
2918.1

2917.57

2916.25

SYSTEMS COLUMN

8/23/99



-DR4-

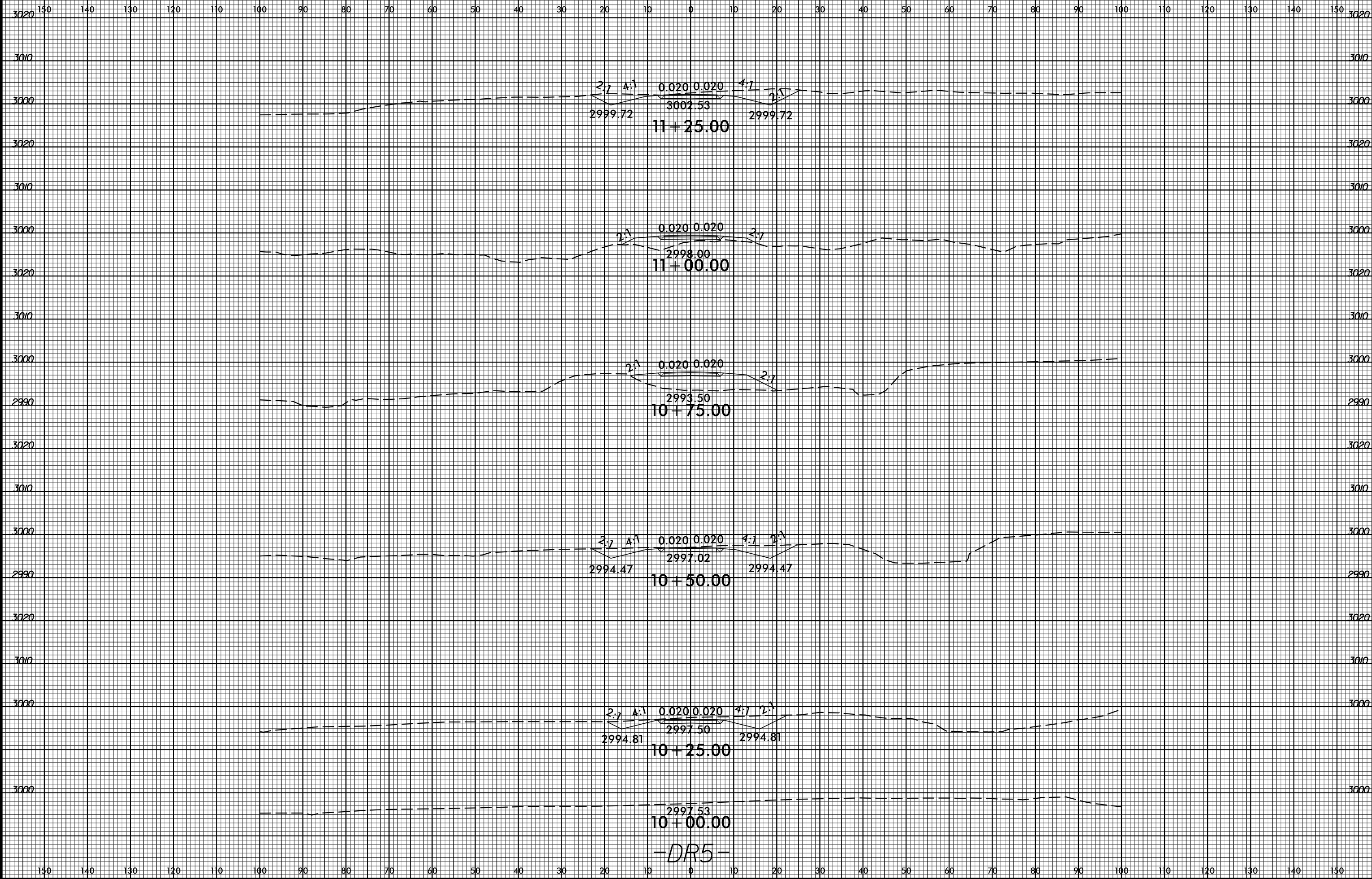
SYSTEMS  
SERVICES  
INC.

8/23/99



PROJ. REFERENCE NO.  
R-2915A

SHEET NO.  
X-274



SYSTEMS  
SERVICES  
INC.



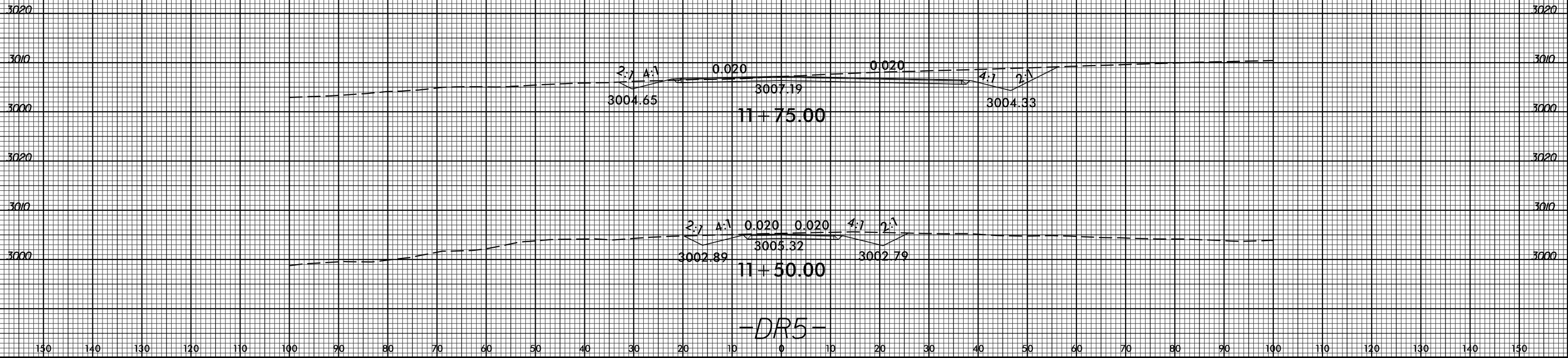
8/23/99



PROJ. REFERENCE NO.  
R-2915A

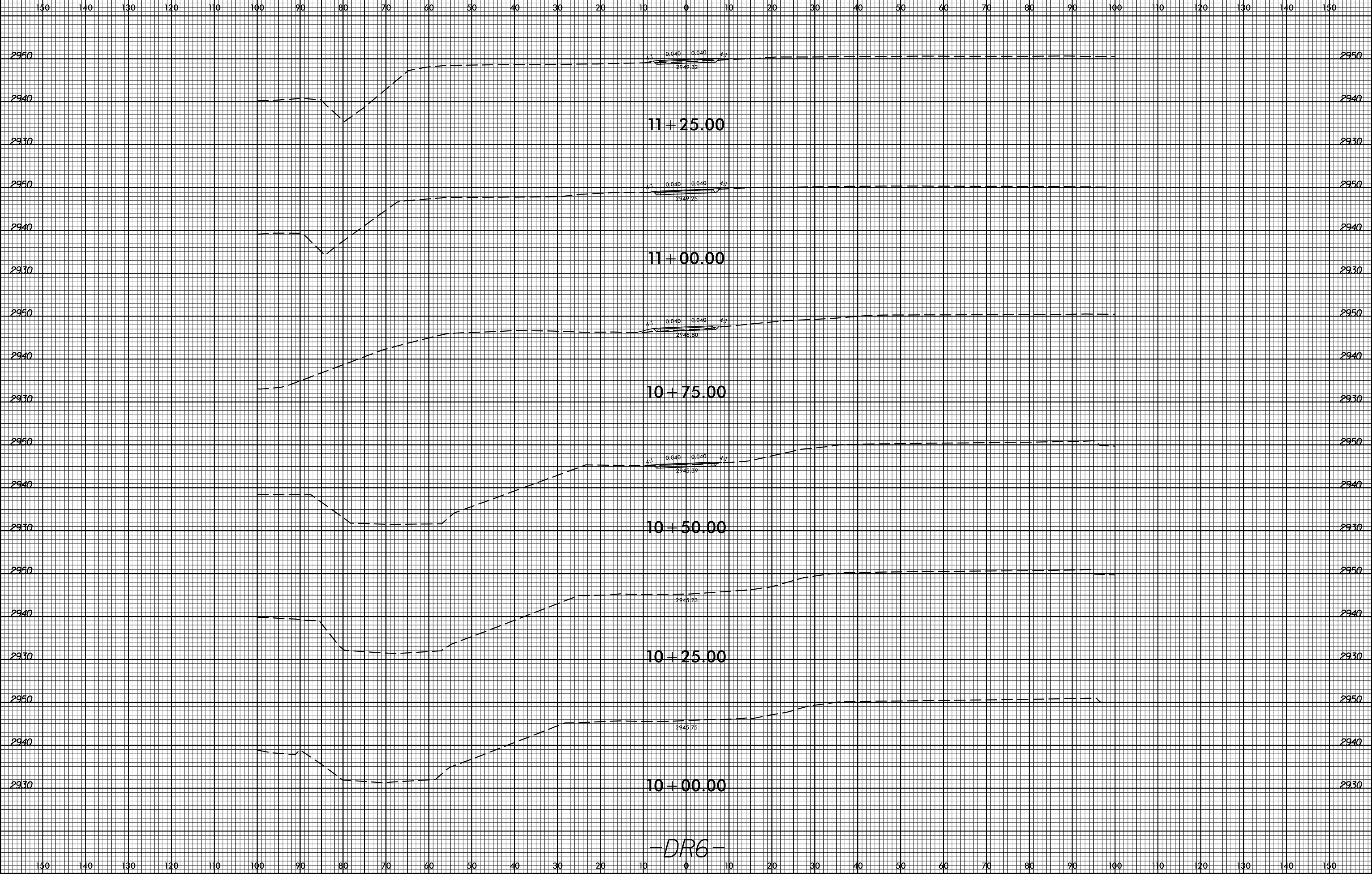
SHEET NO.  
X-275

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-DR5-

SYSTEMS  
CONSULTANTS  
INCORPORATED



SYSTEMS  
 CONSULTANTS  
 INC.

