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R-3622B CHEROKEE COUNTY CROSS SECTION INDEX

SHEETS	SHEET No.	SHEETS	SHEET No.
CROSS SECTION INDEX	X	-DR3-	X-83
EARTHWORK VOLUMES	X-A(1) thru X-A(2)	-DR4-	X-84 thru X-85
-L-	X-1 thru X-69	-DR5-	X-86 thru X-87
-LTemp- (on -L- cross sections)	X-38 thru X-52	-DR5A-	X-88 thru X-92
-Y1-	X-70 thru X-72	-DR6-	X-93
-Y2-	X-73 thru X-74	-DR7-	X-94 thru X-95
-Y3-	X-75 thru X-78	-DR8-	X-96 thru X-100
-Y4-	X-79	-DR9-	X-101 thru X-106
-Y5-	X-80	-Y1Temp-	X-107 thru X-111
-DR1-	X-81	-DR5Temp-	X-112 thru X-113
-DR2-	X-82		

\$\$\$SYTIME\$\$\$
 \$\$\$DOW\$\$\$
 \$\$\$USERNAME\$\$\$



Charlotte, North Carolina 704-357-0488
 Tri-Cities, Tennessee 423-467-8401
 Knoxville, Tennessee 865-546-5800
 Middlesboro, Kentucky 606-248-6600
 Spartanburg, South Carolina 864-574-4775

Asheville, North Carolina 828-253-2796

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STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

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.

PROJ. REFERENCE NO.	SHEET NO.
R-3622.B	X-A(1)

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt
L	(cu. yd.)	(cu. yd.)	L3	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(Cu.Yd)	L	(cu. yd.)	(cu. yd.)	(cu.yd)	L	(cu. yd.)	(cu. yd.)	Y1	(cu. yd.)	(cu. yd.)
11+35.00	0	0	37+50.00	2	257	61+00.00	39	349		84+50.00	228	0		107+00.00	125	190	13+38.85	714	0
11+50.00	2	2	38+00.00	1	259	61+50.00	28	1016		85+00.00	169	0		107+50.00	145	189			
12+00.00	53	89	38+50.00	144	177	62+00.00	23	1188		85+50.00	158	0		108+00.00	100	232	Station	Uncl. Exc.	Embt
12+50.00	98	95	39+00.00	332	95	62+50.00	0	791		86+00.00	137	0		108+50.00	68	323	Y2	(cu. yd.)	(cu. yd.)
13+00.00	179	19	39+50.00	227	121	63+00.00	0	396		86+50.00	64	32		109+00.00	65	435			
13+50.00	332	14	40+00.00	42	207	63+50.00	70	139		87+00.00	1	56		109+50.00	34	527	10+11.00	0	0
14+00.00	303	14	40+50.00	3	243	64+00.00	248	27		87+50.00	1	36		110+00.00	0	597	10+25.00	18	59
14+50.00	99	39	41+00.00	0	293	64+50.00	448	2		88+00.00	0	46		110+50.00	0	543	10+50.00	31	122
15+00.00	2	183	41+35.00	41	238	65+00.00	597	0		88+50.00	0	107		111+00.00	18	378	10+75.00	48	129
15+50.00	0	289				65+50.00	658	0		89+00.00	0	125		111+50.00	87	269	11+00.00	84	111
16+00.00	0	308	Station	Uncl. Exc.	Embt	66+00.00	701	0		89+50.00	0	81		112+00.00	102	246	11+25.00	123	92
16+50.00	0	420				66+50.00	800	0		90+00.00	0	34		112+50.00	57	267	11+50.00	170	52
17+00.00	0	526	L	(cu. yd.)	(cu. yd.)	67+00.00	966	0		90+50.00	18	8		113+00.00	36	372	11+75.00	211	15
17+50.00	0	494	41+35.00	0	0	67+50.00	1296	0		91+00.00	86	12		113+50.00	23	577	12+00.00	178	4
18+00.00	0	407	41+50.00	18	102	68+00.00	1896	0		91+50.00	154	18		114+00.00	26	710	12+15.00	40	0
18+50.00	0	369	42+00.00	159	264	68+50.00	2631	0		92+00.00	241	28		114+50.00	17	710			
19+00.00	1	298	42+50.00	148	199	69+00.00	2971	0		92+50.00	258	43		115+00.00	5	640	Station	Uncl. Exc.	Embt
19+50.00	1	204	43+00.00	53	213	69+50.00	2660	0		93+00.00	107	56		115+50.00	4	499	Y3	(cu. yd.)	(cu. yd.)
20+00.00	0	194	43+50.00	82	149	70+00.00	2031	0		93+50.00	6	91		116+00.00	4	320			
20+50.00	0	227	44+00.00	78	75	70+50.00	999	0		94+00.00	4	142		116+50.00	4	221	10+15.45	0	0
21+00.00	0	326	44+50.00	59	173	71+00.00	152	51		94+50.00	3	162		117+00.00	4	175	10+50.00	1108	0
21+50.00	0	595	45+00.00	58	263	71+35.00	0	315		95+00.00	0	151		117+50.00	5	126	11+00.00	1821	0
22+00.00	2	866	45+50.00	34	276					95+50.00	0	153		118+00.00	3	119	11+50.00	1801	0
22+50.00	3	961	46+00.00	169	335	Station	Uncl. Exc.	Embt	Undercut	96+00.00	0	182		118+50.00	1	171	12+00.00	2149	0
23+00.00	5	683	46+50.00	331	464					96+30.00			0	119+00.00	0	234	12+50.00	3063	0
23+50.00	6	270	47+00.00	367	520	L	(cu. yd.)	(cu. yd.)	(Cu.Yd)	96+50.00	0	245	155	119+50.00	0	246	13+00.00	3279	0
24+00.00	90	205	47+50.00	178	445	71+35.00	0	0		96+56.00			46	120+00.00	0	225	13+50.00	2823	0
24+50.00	272	229	48+00.00	6	258	71+50.00	0	135		97+00.00	0	214		120+50.00	0	192	14+00.00	1944	0
25+00.00	444	108	48+50.00	59	219	72+00.00	0	1186		97+50.00	0	128		121+00.00	0	158	14+50.00	870	0
25+50.00	523	26	49+00.00	153	413	72+50.00	0	1810		98+00.00	0	123		121+50.00	0	148	15+00.00	210	0
26+00.00	327	33	49+50.00	189	506	73+00.00	0	2602		98+50.00	0	99		122+00.00	0	169	15+50.00	110	0
26+50.00	133	40	50+00.00	219	405	73+50.00	0	3141		99+00.00	2	53		122+50.00	1	198	15+65.00	20	0
27+00.00	150	37	50+50.00	244	155	74+00.00	0	4271		99+50.00	8	37		123+00.00	1	226			
27+50.00	143	22	51+00.00	208	39	74+50.00	0	4454		100+00.00	22	36		123+50.00	2	236	Station	Uncl. Exc.	Embt
28+00.00	92	27	51+50.00	116	70	75+00.00	0	3659		100+50.00	37	46		124+00.00	4	234	Y4	(cu. yd.)	(cu. yd.)
28+50.00	50	51	52+00.00	48	243	75+50.00	0	2860	0	101+00.00	36	58		124+50.00	5	225			
29+00.00	44	123	52+50.00	103	211	76+00.00	0	2449	135	101+35.00	49	27		125+00.00	5	180	10+75.00	0	0
29+50.00	69	289	53+00.00	537	8	76+50.00	0	1989	195					125+50.00	4	113	11+00.00	11	11
30+00.00	59	426	53+50.00	884	4	77+00.00	0	1545	196	Station	Uncl. Exc.	Embt	Undercut	126+00.00	5	54	11+25.00	18	28
30+50.00	22	527	54+00.00	631	5	77+50.00	0	1094	163					126+50.00	6	23	11+50.00	16	23
31+00.00	12	646	54+50.00	497	4	78+00.00	0	510	124	L	(cu. yd.)	(cu. yd.)	(cu.yd)	127+00.00	4	10	11+75.00	23	6
31+50.00	9	654	55+00.00	631	1	78+50.00	81	100		101+35.00	0	0		127+25.00	1	1	12+00.00	29	0
32+00.00	12	458	55+50.00	755	1	79+00.00	482	0		101+50.00	21	12					12+02.49	3	0
32+50.00	12	282	56+00.00	1076	5	79+50.00	1281	0		102+00.00	101	33		Station	Uncl. Exc.	Embt			
33+00.00	28	253	56+50.00	1978	5	80+00.00	1298	0		102+50.00	75	42		Y1	(cu. yd.)	(cu. yd.)	Station	Uncl. Exc.	Embt
33+50.00	176	203	57+00.00	3568	0	80+50.00	1118	0		103+00.00	52	59					Y5	(cu. yd.)	(cu. yd.)
34+00.00	511	99	57+50.00	4877	27	81+00.00	1376	0		103+50.00	46	91		10+00.00	0	0	10+11.73	0	0
34+50.00	590	33	58+00.00	5070	27	81+50.00	1275	0		104+00.00	34	115		10+50.00	59	0	10+25.00	27	0
35+00.00	299	48	58+50.00	4241	0	82+00.00	1115	0		104+50.00	41	134		11+00.00	398	0	10+50.00	46	0
35+50.00	105	117	59+00.00	3046	0	82+50.00	824	0		105+00.00	82	149		11+50.00	1203	0	10+75.00	37	10
36+00.00	59	172	59+50.00	1957	0	83+00.00	521	0		105+50.00	71	169		12+00.00	1936	0	11+00.00	35	17
36+50.00	39	158	60+00.00	1093	3	83+50.00	349	0		106+00.00	41	200		12+50.00	1944	0			
37+00.00	21	188	60+50.00	415	14	84+00.00	288	0		106+50.00	65	210		13+00.00	1331	0	11+25.00	19	7

**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS**

PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-A(2)

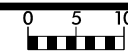
Quantities are approximate only. The Resident Engineer will recross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid.

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
Dr1	(cu. yd.)	(cu. yd.)	Dr5A	(cu. yd.)	(cu. yd.)	Dr9	(cu. yd.)	(cu. yd.)	LTemp	(cu. yd.)	(cu. yd.)	LTemp	(cu. yd.)	(cu. yd.)	Y1Temp	(cu. yd.)	(cu. yd.)
10+00.00	0	0	10+00.00	0	0	11+20.00	3	0	85+56.53	638	1	71+00.02	0	245	12+70.82	0	0
10+50.00	6	1	10+50.00	914	0				86+05.87	257	0	71+36.51	1	47	12+80.00	0	97
11+00.00	6	199	10+60.00	435	0	Station	Uncl. Exc.	Embt	86+55.48	61	2	71+49.99	0	17	12+90.00	0	195
11+50.00	0	736	10+70.00	545	0				87+05.29	29	3	71+99.97	8	5	13+00.00	0	163
11+96.77	0	1006	10+80.00	563	0	LTemp	(cu. yd.)	(cu. yd.)	87+55.23	1	3	72+49.94	19	2	13+10.00	0	129
			10+90.00	454	0	62+39.88	0	0	88+26.70	1	3	72+99.97	52	2	13+20.00	0	97
Station	Uncl. Exc.	Embt	11+00.00	366	0	63+00.26	5	1				73+51.82	106	2	13+30.00	0	68
						63+50.05	95	1	Station	Uncl. Exc.	Embt	74+03.66	98	3	13+40.00	0	42
Dr2	(cu. yd.)	(cu. yd.)	Station	Uncl. Exc.	Embt	63+99.76	303	0				74+54.49	32	1	13+50.00	0	23
10+10.00	0	0				64+49.42	538	0	Y1Temp	(cu. yd.)	(cu. yd.)	75+04.41	0	0	13+60.00	0	12
10+50.00	0	21	Dr6	(cu. yd.)	(cu. yd.)	64+99.28	745	0	12+70.82	0	0	75+54.33	0	0	13+70.00	0	3
11+00.00	0	232	10+09.00	0	0	65+49.14	803	1	12+80.00	97	0	76+04.25	0	0	13+80.00	0	1
11+25.47	0	209	10+50.00	1395	0	65+99.00	709	1	12+90.00	195	0	76+54.14	0	0	13+85.00	0	0
			11+00.00	1482	0	66+48.87	682	2	13+00.00	163	0	77+02.90	28	0			
Station	Uncl. Exc.	Embt	11+50.00	651	29	67+00.02	743	3	13+10.00	129	0	77+50.23	78	0			
			12+00.00	20	29	67+50.19	770	2	13+20.00	97	0	77+97.81	114	0			
Dr3	(cu. yd.)	(cu. yd.)				68+00.16	801	0	13+30.00	68	0	78+45.95	145	0			
10+00.00	0	0	Station	Uncl. Exc.	Embt	68+50.14	893	0	13+40.00	42	0	78+95.95	83	17			
10+50.00	39	4				69+00.11	1018	0	13+50.00	23	0	79+45.95	2	72			
11+00.00	39	78	Dr7	(cu. yd.)	(cu. yd.)	69+50.09	1006	0	13+60.00	12	0	79+95.95	5	114			
11+50.00	0	211	10+00.00	0	0	70+00.06	760	0	13+70.00	3	0	80+45.95	5	112			
11+75.51	0	141	10+50.00	14	0	70+50.04	480	0	13+80.00	1	0	80+95.95	4	130			
			11+00.00	76	0	71+00.02	245	0	13+85.00	0	0	81+47.21	2	188			
Station	Uncl. Exc.	Embt	11+50.00	230	0	71+36.51	47	1				81+98.68	0	224			
			12+00.00	339	0				Station	Uncl. Exc.	Embt	82+50.13	1	250			
Dr4	(cu. yd.)	(cu. yd.)	12+50.00	245	0	71+49.99	17	0				83+01.57	2	309			
10+11.00	0	0	12+75.44	74	0	71+99.97	5	8	Dr5Temp	(cu. yd.)	(cu. yd.)	83+53.00	3	329			
10+25.00	4	1				72+49.94	2	19	10+00.00	0	0	84+04.39	3	331			
10+50.00	24	1	Station	Uncl. Exc.	Embt	72+99.97	2	81	10+25.00	15	0	84+55.66	3	580			
10+67.18	38	0				73+51.82	2	276	10+50.00	19	1	85+06.62	3	746			
11+00.00	55	1	Dr8	(cu. yd.)	(cu. yd.)	74+03.66	3	478	10+75.00	5	7	85+56.53	1	533			
11+19.65	9	1	10+05.00	0	0	74+54.49	1	594	11+00.00	3	6	86+05.87	0	214			
			10+20.00	15	0	75+04.41	0	722	11+22.39	5	1	86+55.48	0	50			
11+25.00	2	0	10+30.00	26	0	75+54.33	0	734	Station	Uncl. Exc.	Embt	87+05.29	1	29			
11+50.00	6	1	10+40.00	44	0	76+04.25	0	744	LTemp			87+55.23	1	1			
11+75.00	4	3	10+50.00	71	0	76+54.14	0	924	Removal	(cu. yd.)	(cu. yd.)	88+26.70	1	1			
12+00.00	3	5	10+60.00	104	0	77+02.90	0	881	62+39.88	0	0	Station	Uncl. Exc.	Embt			
12+25.00	4	4	10+70.00	140	0	77+50.23	0	578	63+00.26	1	5	Dr5Temp					
12+41.34	6	1	10+72.13	34	0	77+97.81	0	371	63+50.05	1	27	Removal	(cu. yd.)	(cu. yd.)			
12+50.00	5	0				78+45.95	0	245	63+99.76	0	39	10+00.00	0	0			
12+62.91	8	0	Station	Uncl. Exc.	Embt	78+95.95	38	83	64+49.42	0	25	10+25.00	0	15			
12+68.00	2	0				79+45.95	124	3	64+99.28	0	8	10+50.00	1	19			
			Dr9	(cu. yd.)	(cu. yd.)	79+95.95	408	6	65+49.14	1	7	10+75.00	7	5			
Station	Uncl. Exc.	Embt	10+20.00	0	0	80+45.95	707	5	65+99.00	1	17	11+00.00	6	3			
			10+30.00	3	0	80+95.95	849	4	66+48.87	2	18	11+22.39	1	5			
Dr5	(cu. yd.)	(cu. yd.)	10+40.00	7	1	81+47.21	830	2	67+00.02	4	17						
10+00.00	0	0	10+50.00	9	3	81+98.68	648	0	67+50.19	3	24						
10+50.00	239	0	10+60.00	6	4	82+50.13	657	1	68+00.16	1	34						
11+00.00	777	0	10+70.00	2	4	83+01.57	808	2	68+50.14	1	38						
11+50.00	855	0	10+80.00	1	4	83+53.00	792	3	69+00.11	1	47						
11+93.98	557	0	10+90.00	2	4	84+04.39	658	3	69+50.09	0	910						
			11+00.00	3	3	84+55.66	713	3	70+00.06	0	760						
			11+10.00	5	2	85+06.62	805	3	70+50.04	0	480						

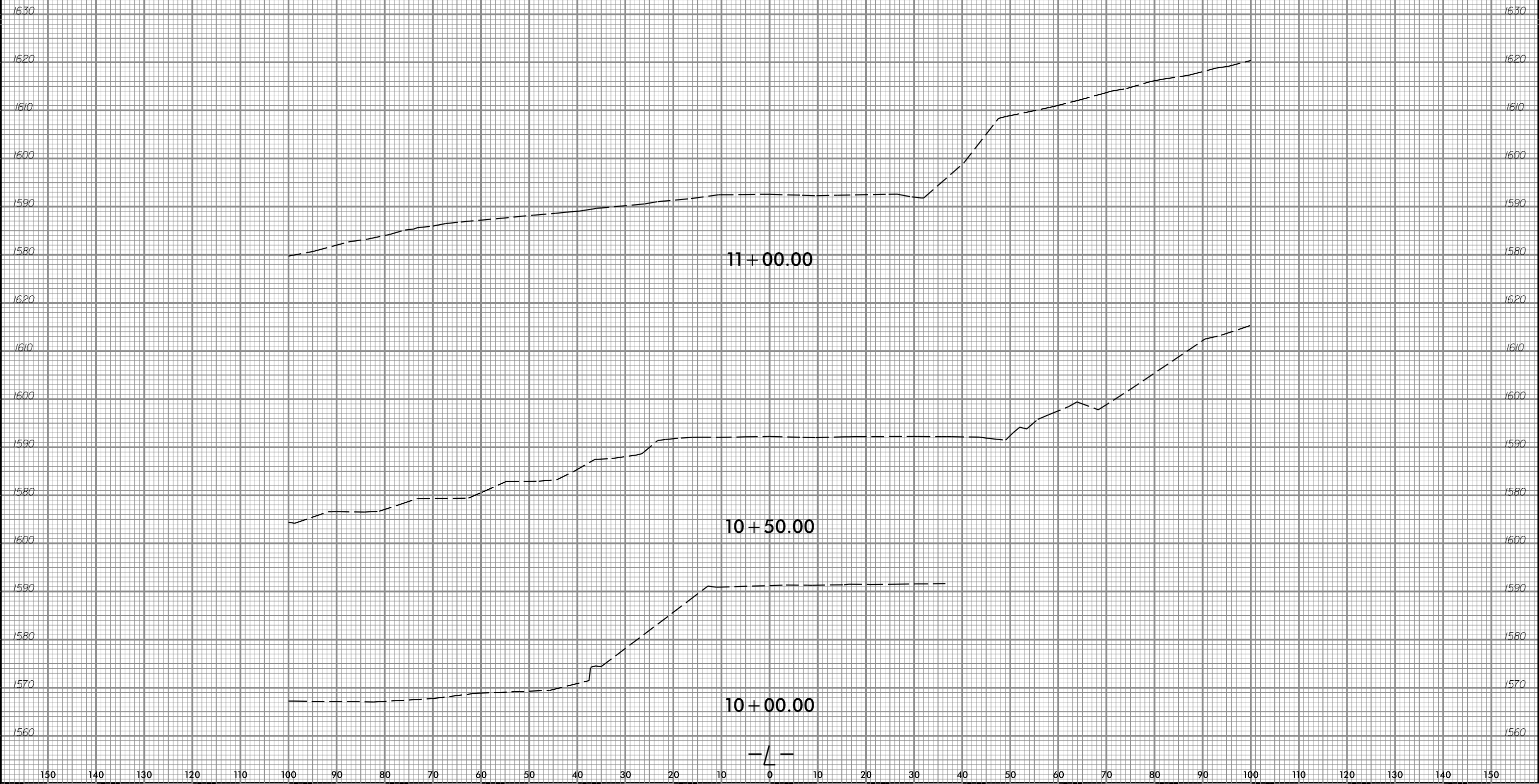
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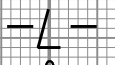
PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-1

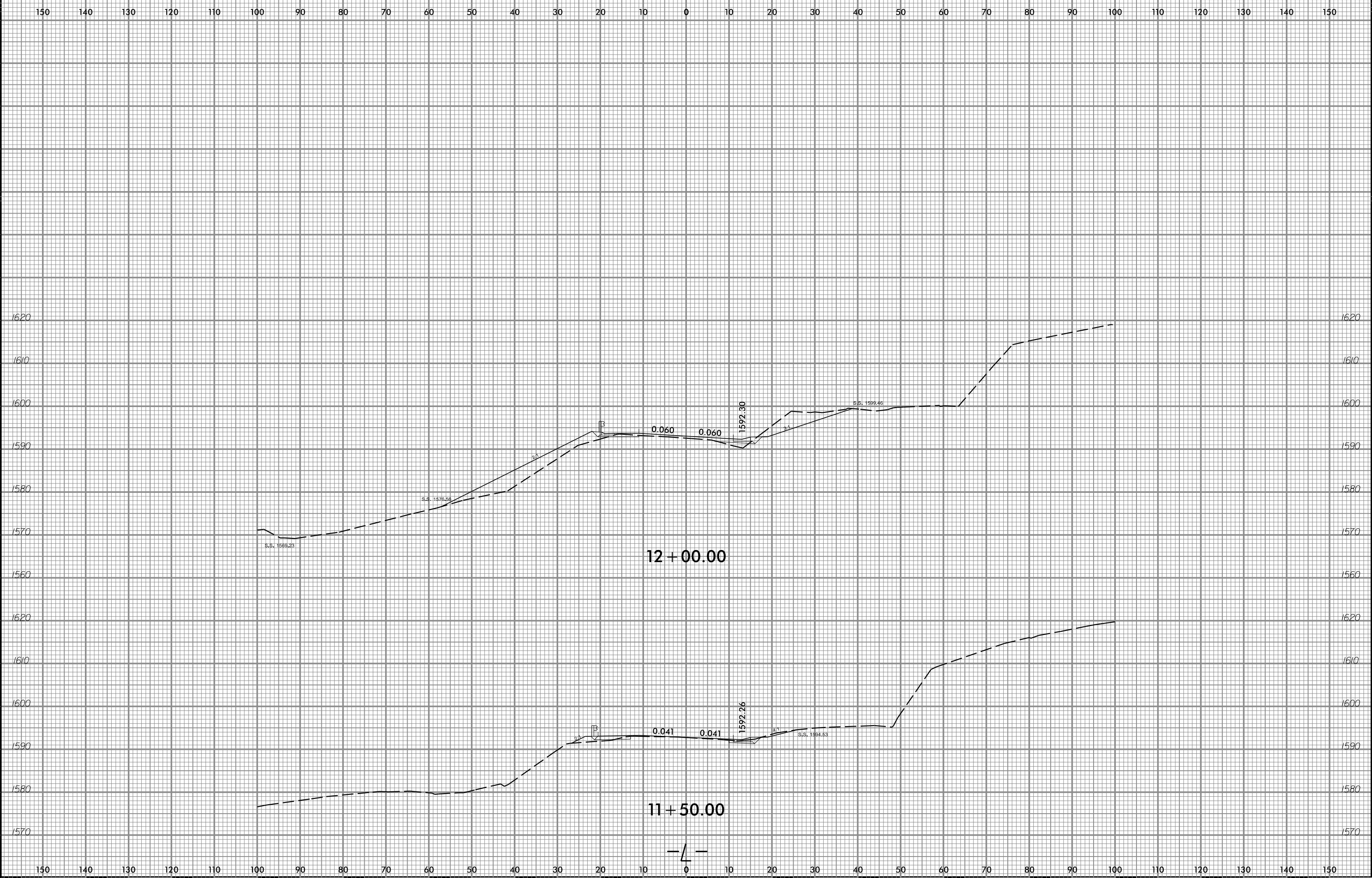
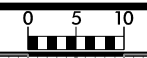
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SYTIME
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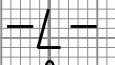
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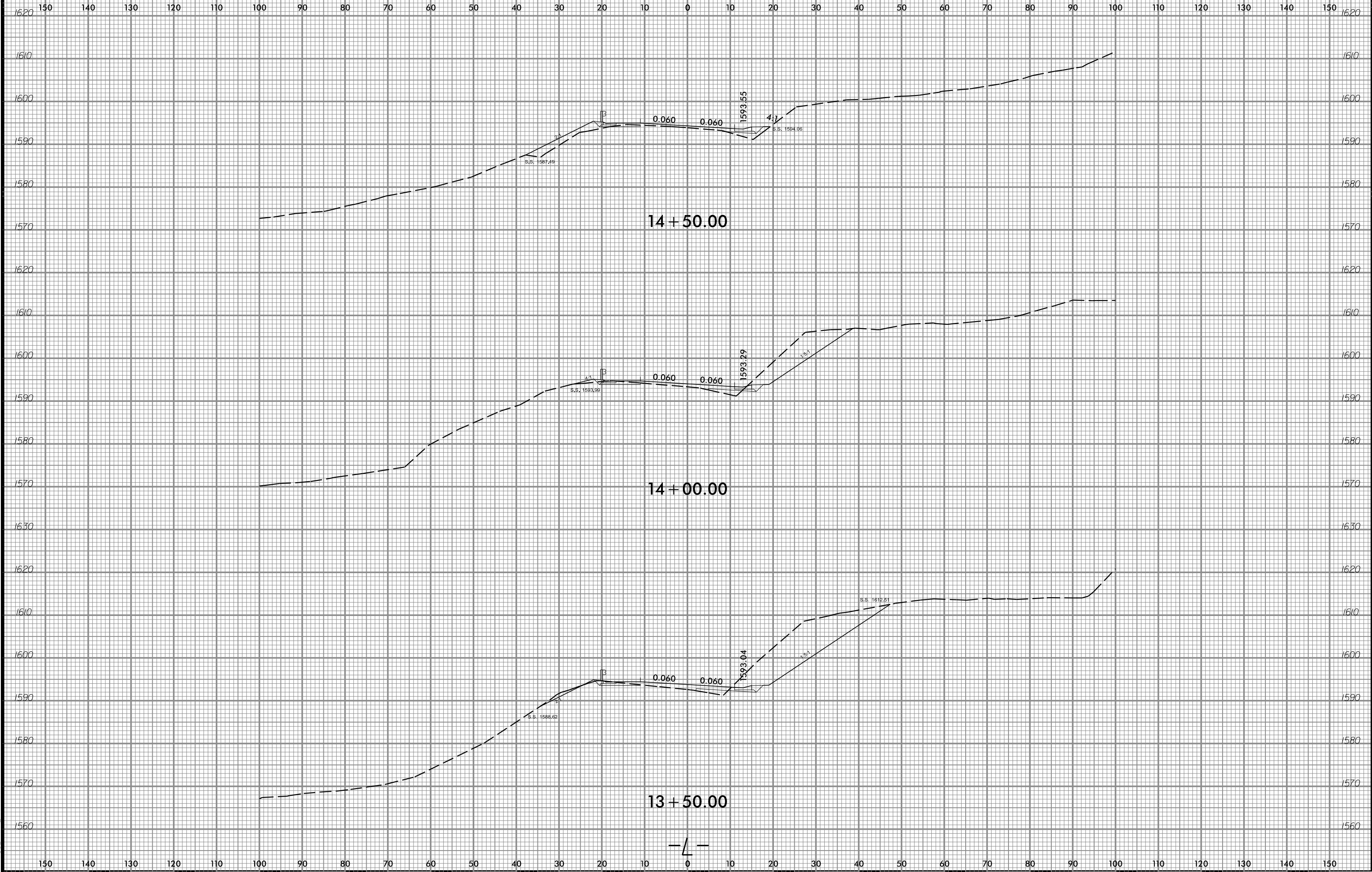


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S.S. 1576.56
S.S. 1594.46
S.S. 1594.53

12 + 00.00

11 + 50.00





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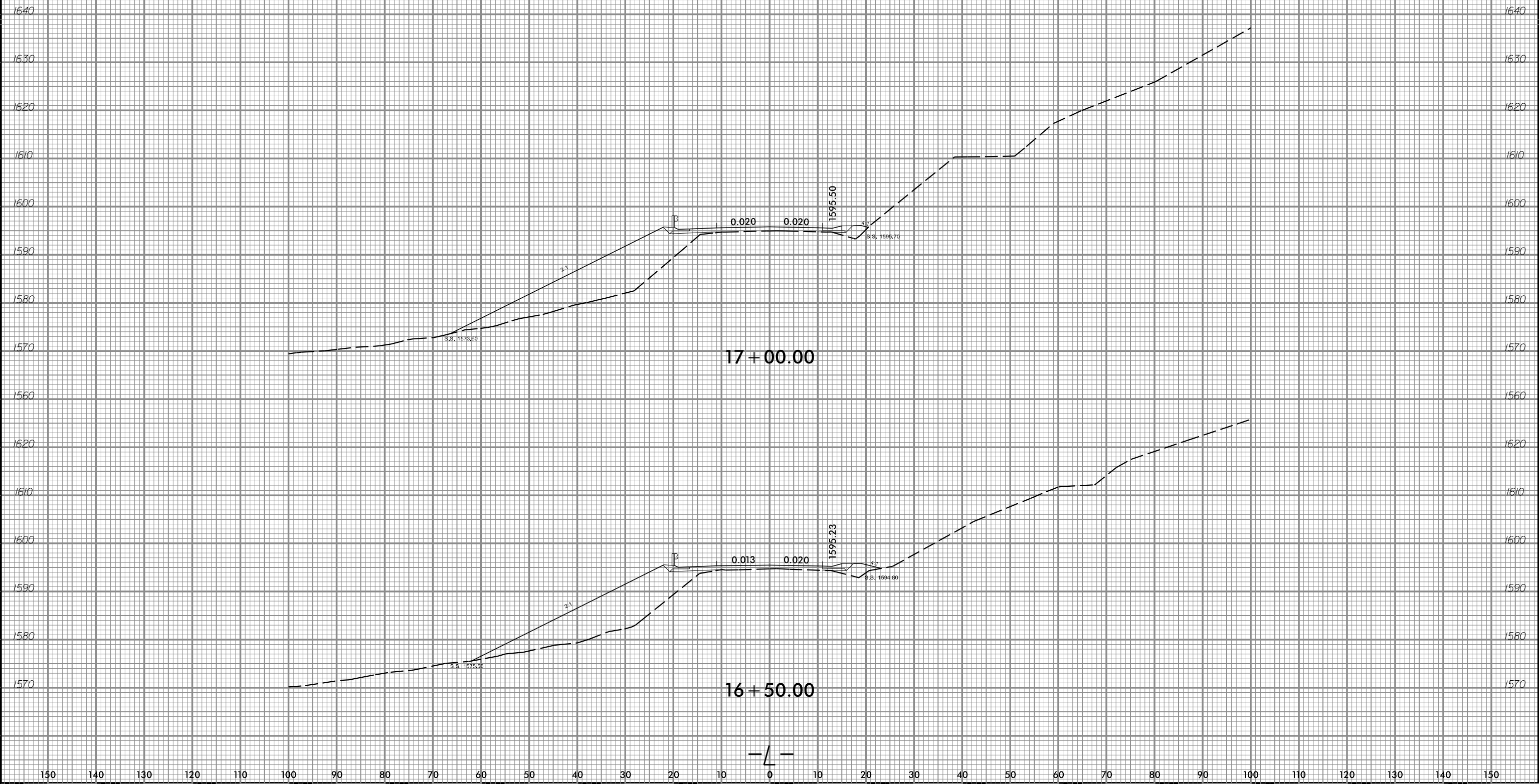
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8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-6

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



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.

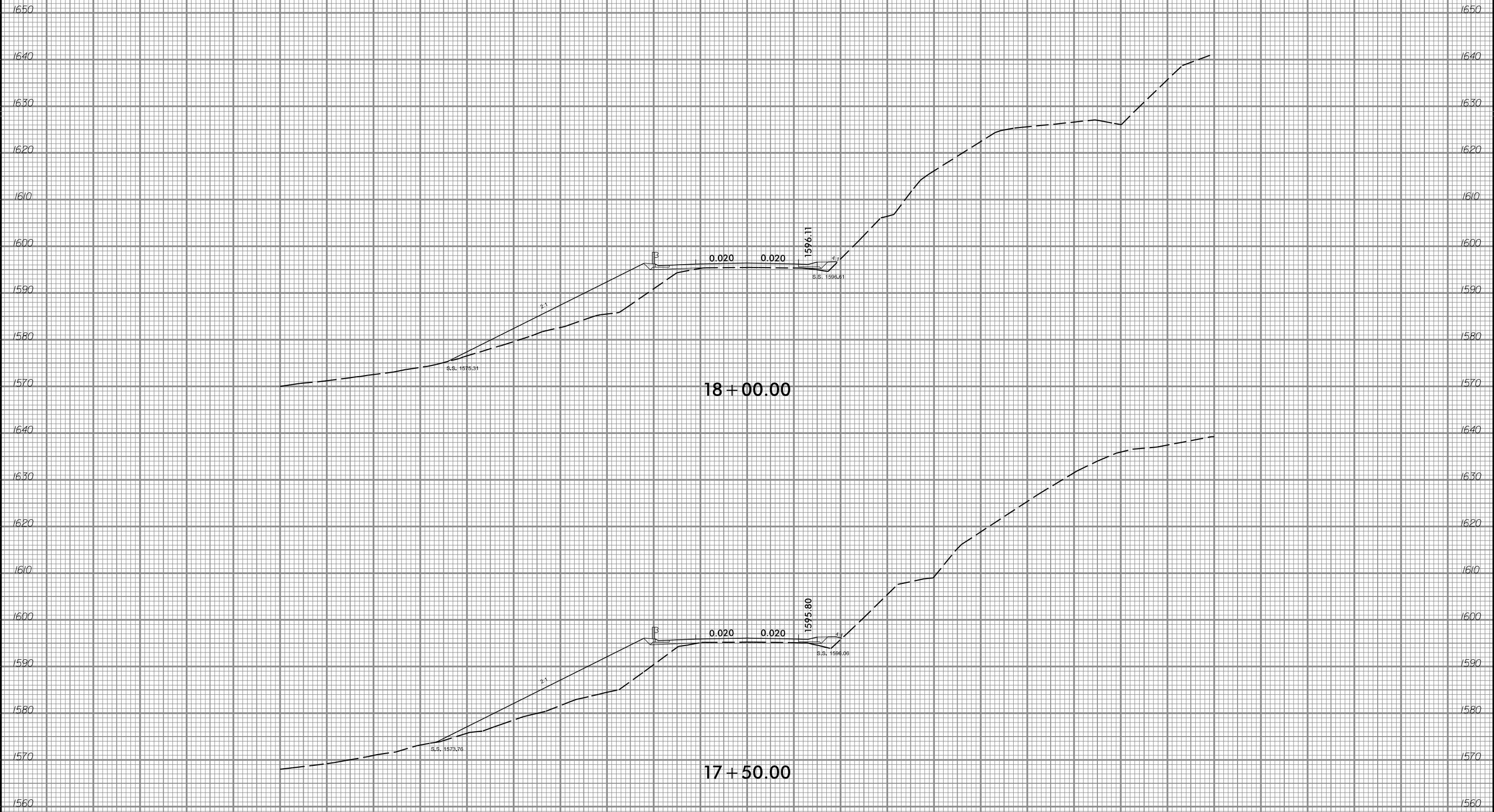
8/23/99



PROJ. REFERENCE NO.
R-3622B

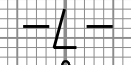
SHEET NO.
X-7

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



18+00.00

17+50.00



SYTIME\$\$\$\$
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LORCH

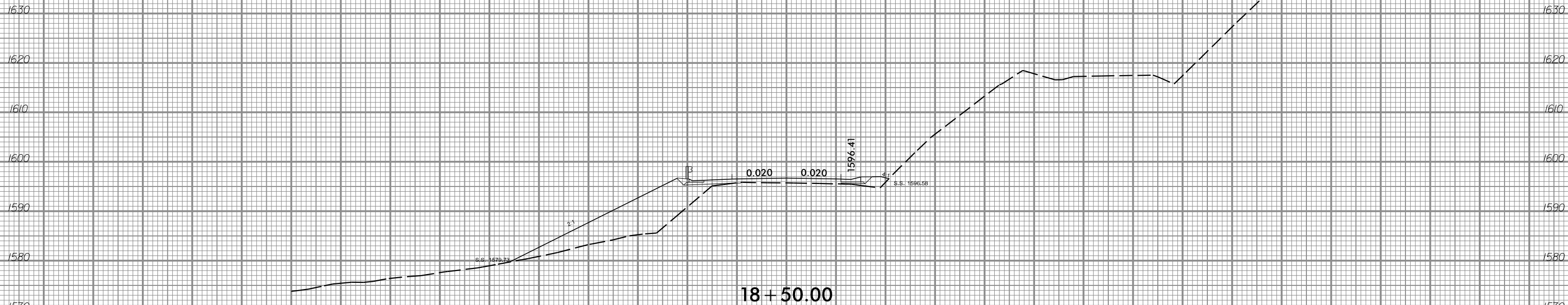
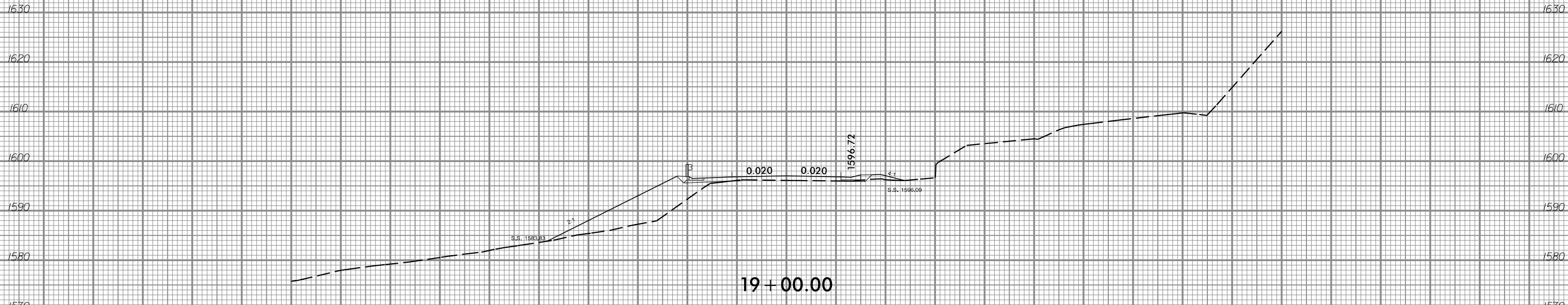
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-8

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

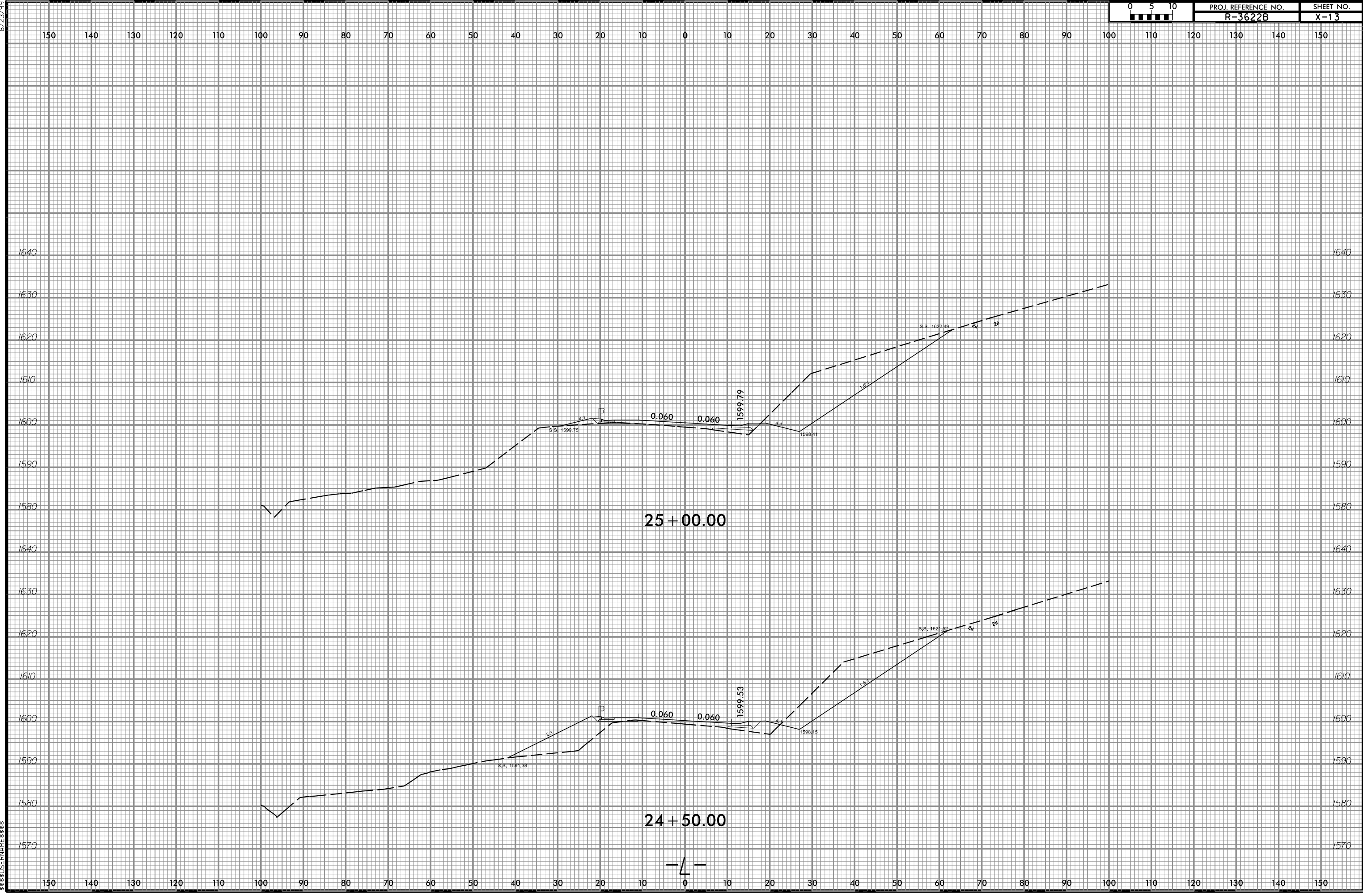


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SYTIME
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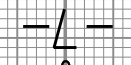
8/23/99



SYSTEM ELEVATION

25+00.00

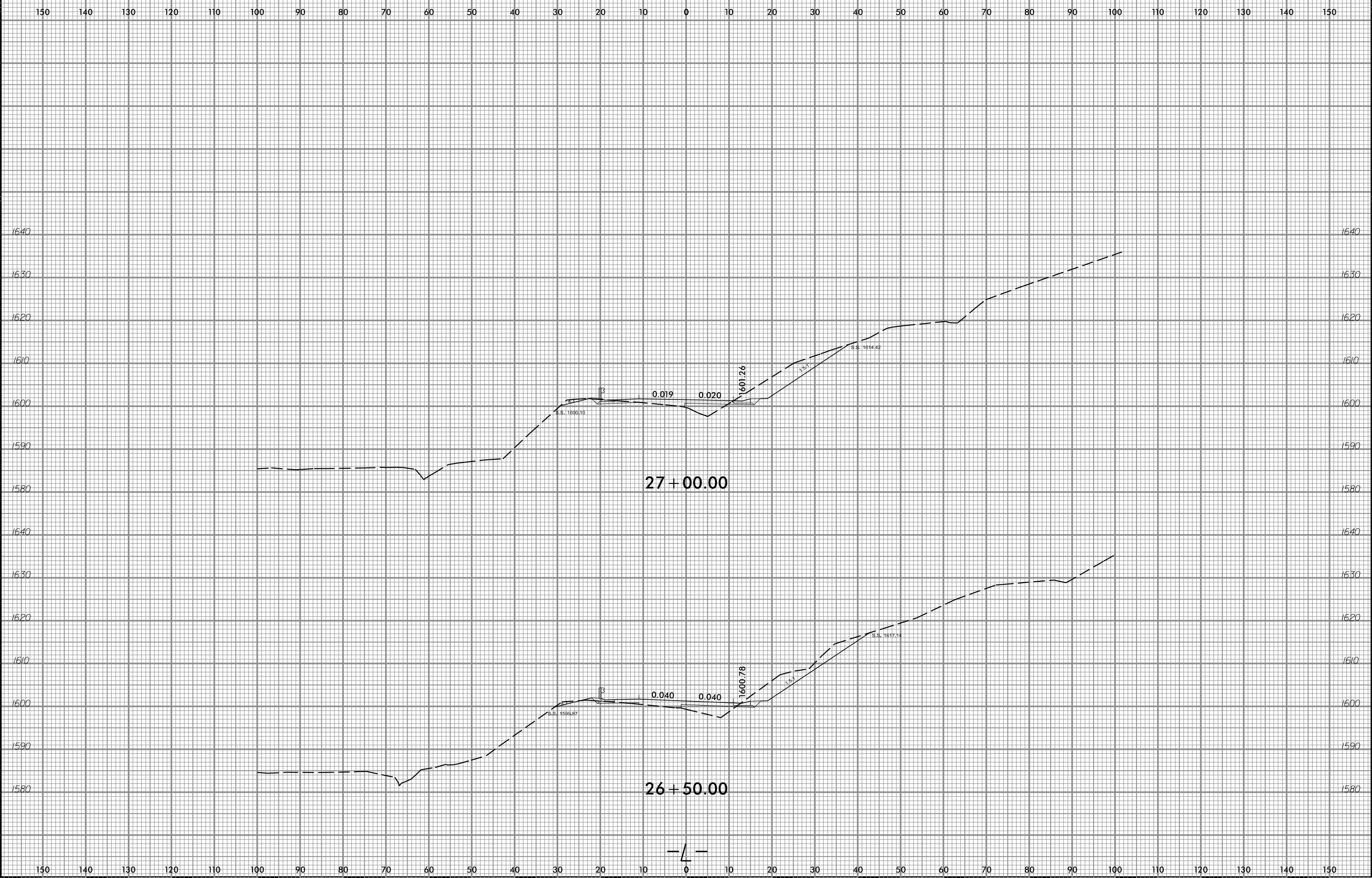
24+50.00



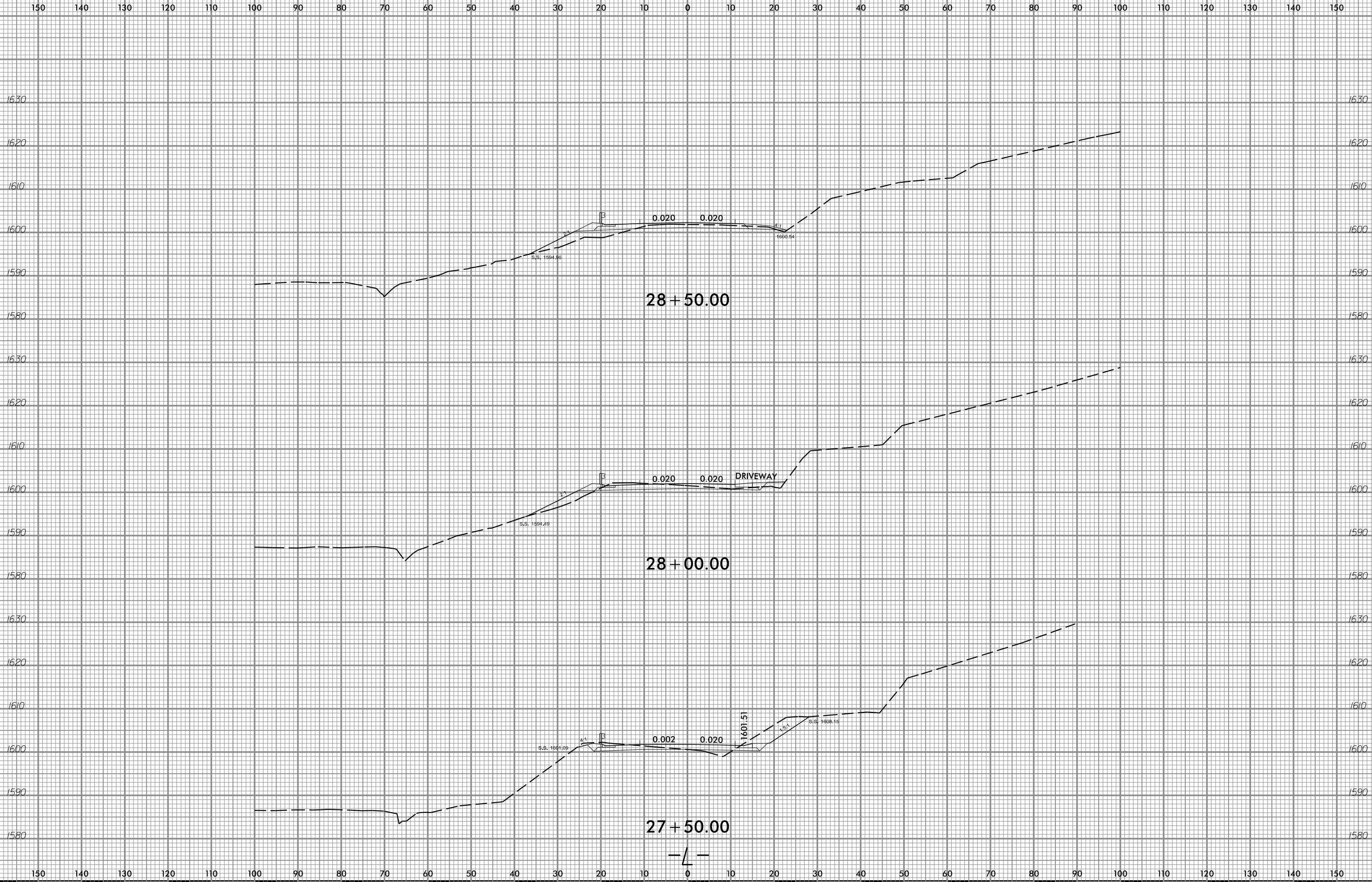
8/23/99



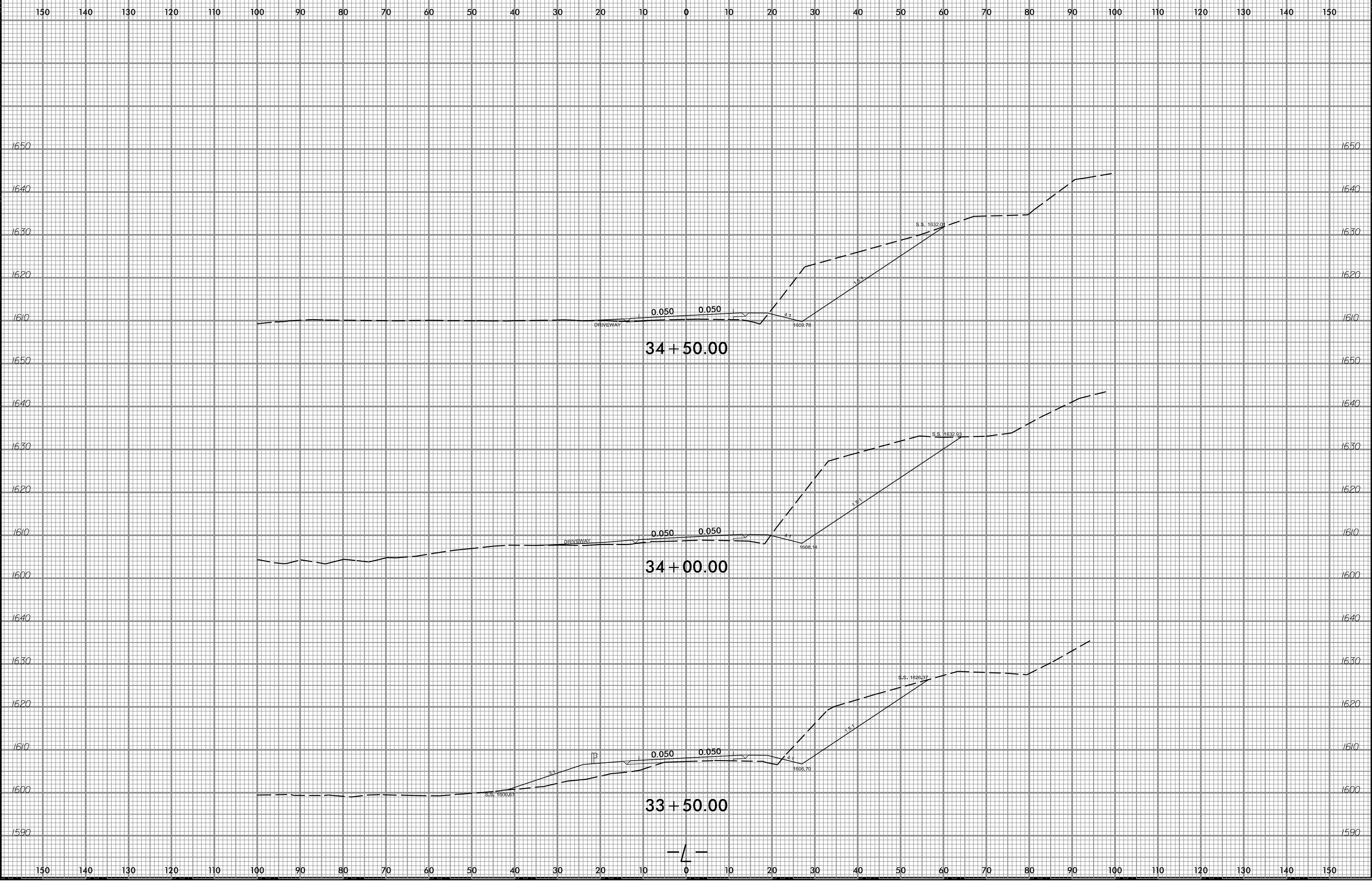
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R-3622B	X-15



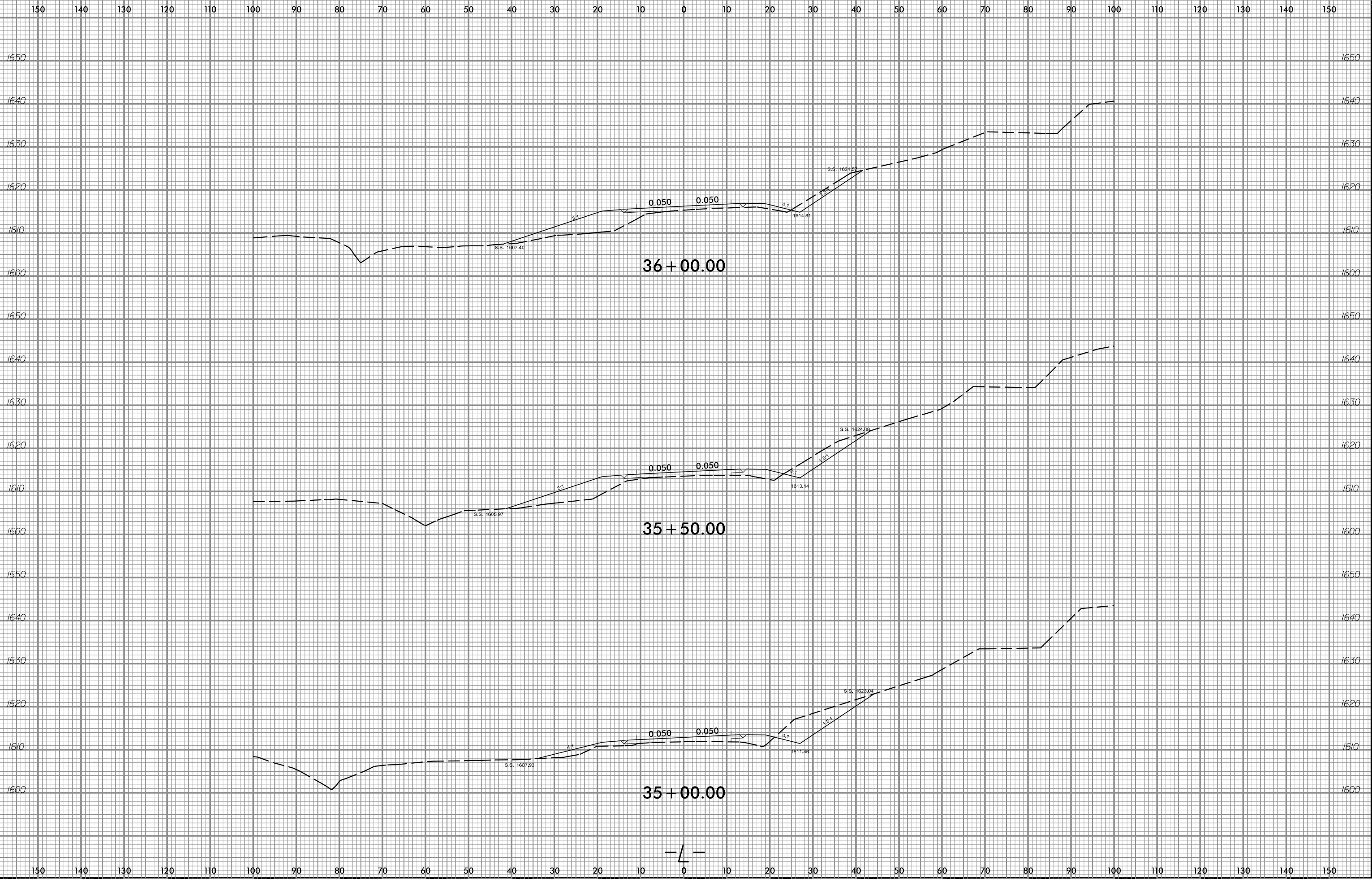
SYSTEMS
 CONSULTANTS
 INC.



8/23/99

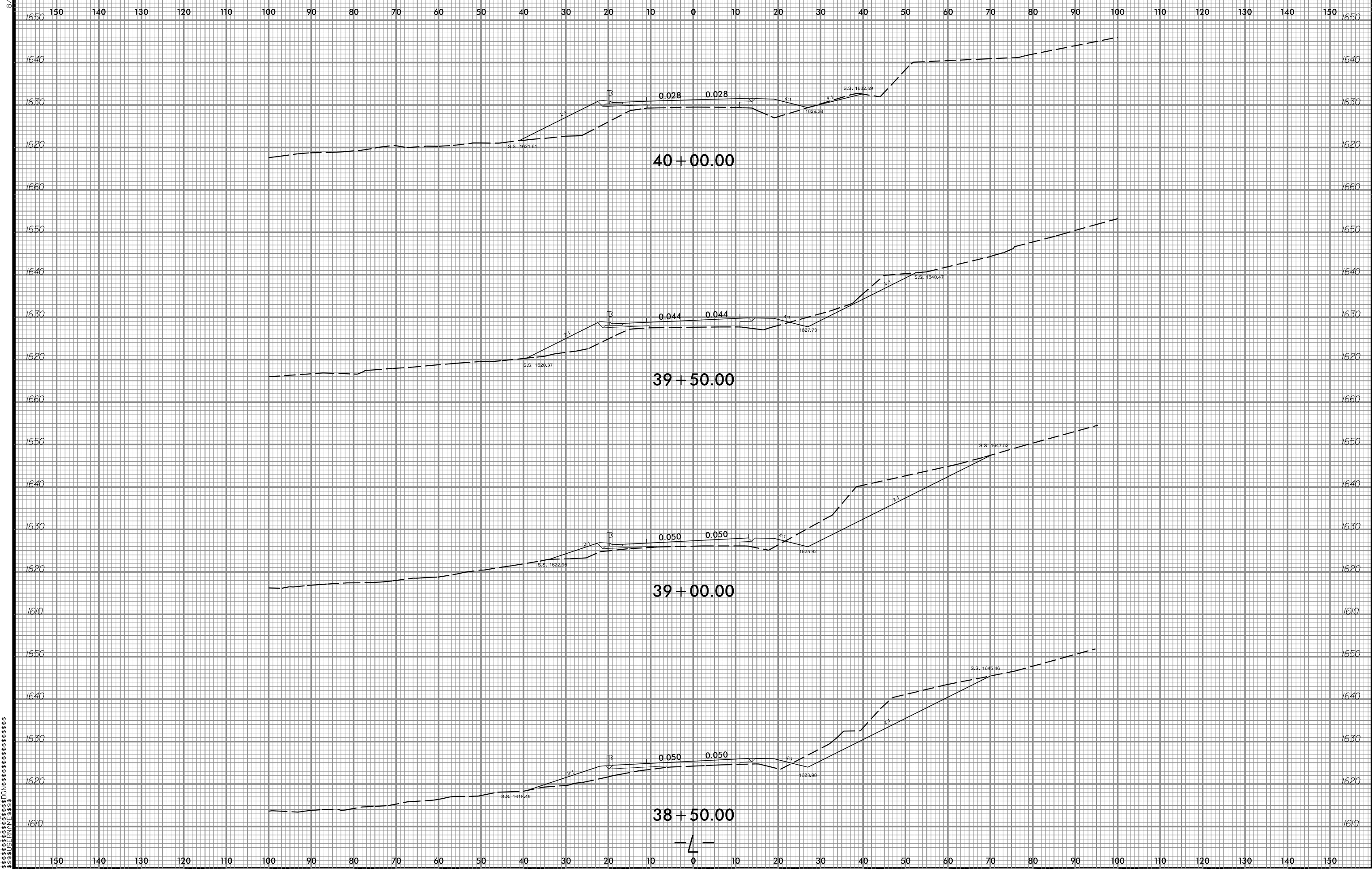


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COURT
SHEET
DRAWING
NO. 15



\$\$\$\$\$\$ TIME \$\$\$\$\$\$
 \$\$\$\$\$\$ DATE \$\$\$\$\$\$
 \$\$\$\$\$\$ DRAWN \$\$\$\$\$\$
 \$\$\$\$\$\$ CHECKED \$\$\$\$\$\$
 \$\$\$\$\$\$ DESIGNED \$\$\$\$\$\$
 \$\$\$\$\$\$ PROJECT \$\$\$\$\$\$
 \$\$\$\$\$\$ SHEET \$\$\$\$\$\$
 \$\$\$\$\$\$ TOTAL \$\$\$\$\$\$

8/23/99



SYTIME
SHEET
DATE
DRAWN
CHECKED
DATE
SCALE

-L-

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-25

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S.S. 1632.78

45 + 50.00

0.029

0.029

S.S. 1650.11

1645.06

2.1

S.S. 1632.86

45 + 00.00

0.042

0.042

DRIVEWAY

2.1

1633.75

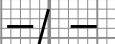
44 + 50.00

0.050

0.050

S.S. 1651.40

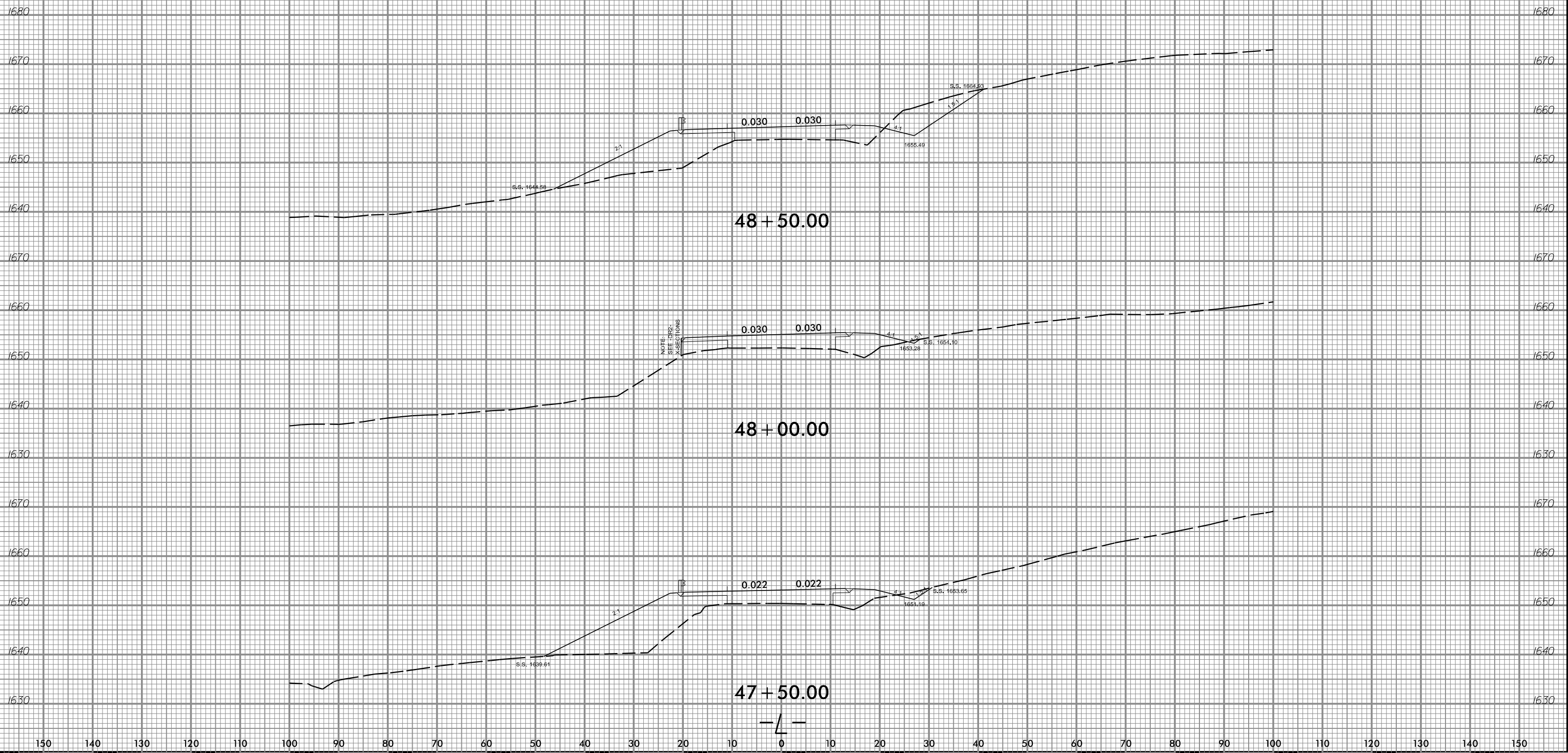
1643.43



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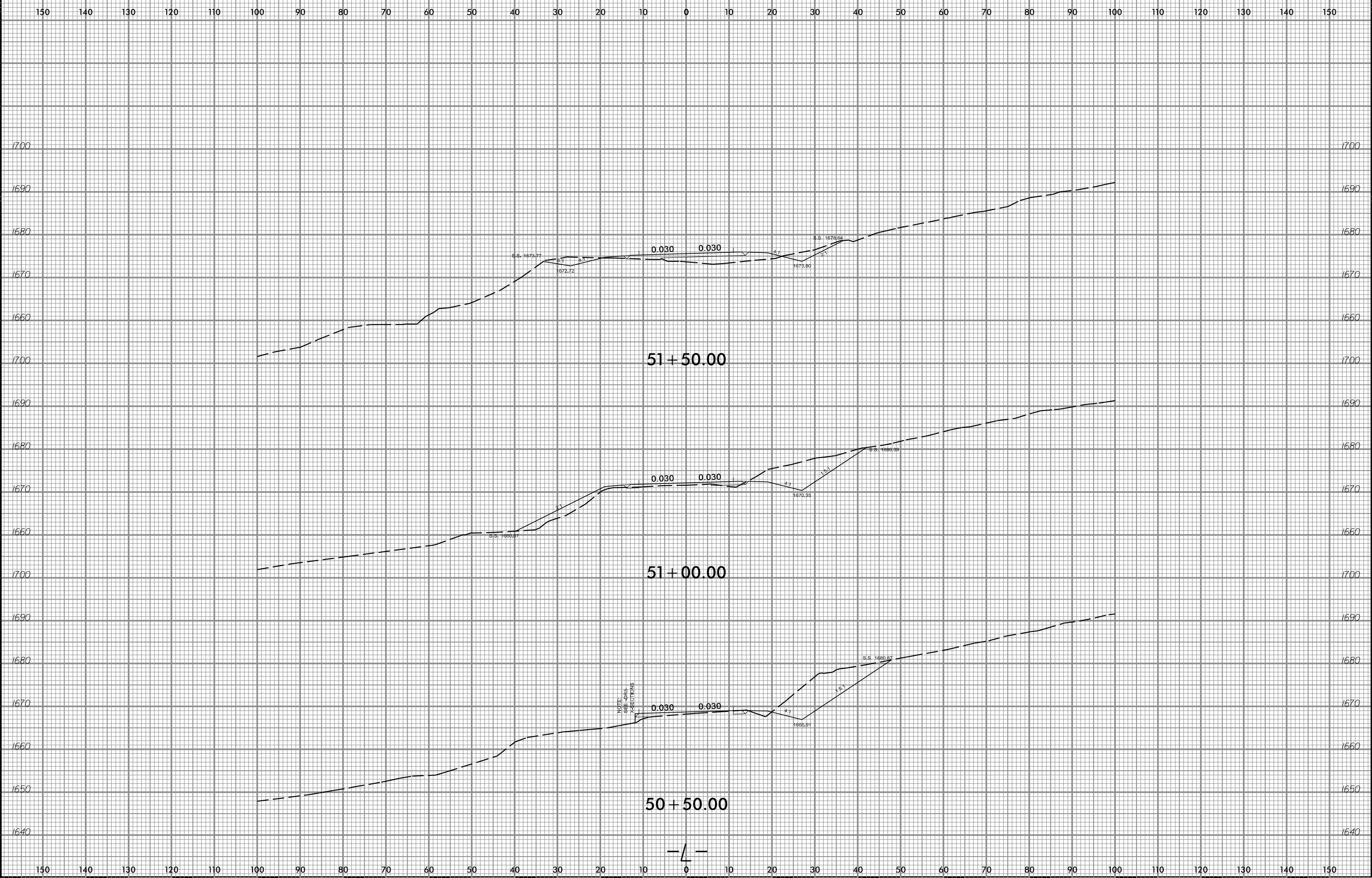
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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



NOTE:
SEE APP-3
X-SECTIONS

SYTIME
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TO
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NOTED

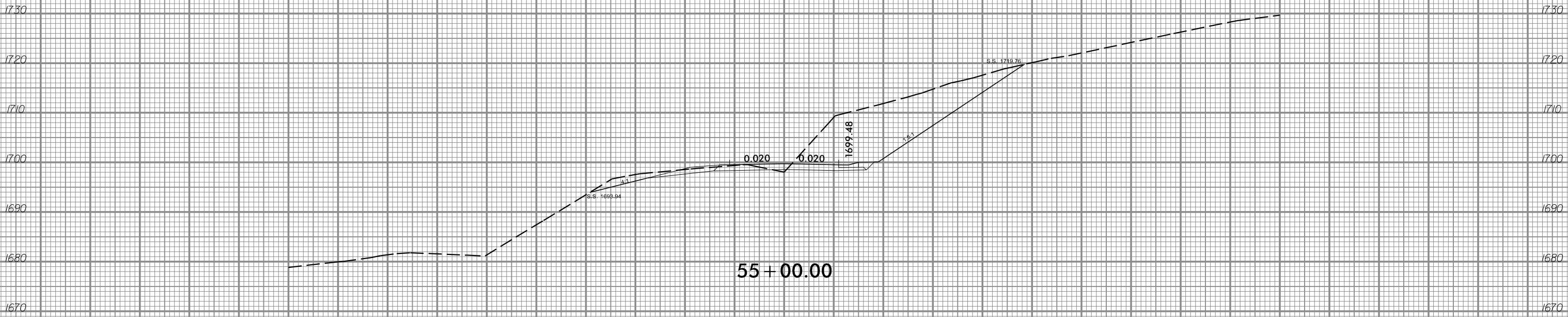
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-32

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



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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

SECTION CUTTING PLACES

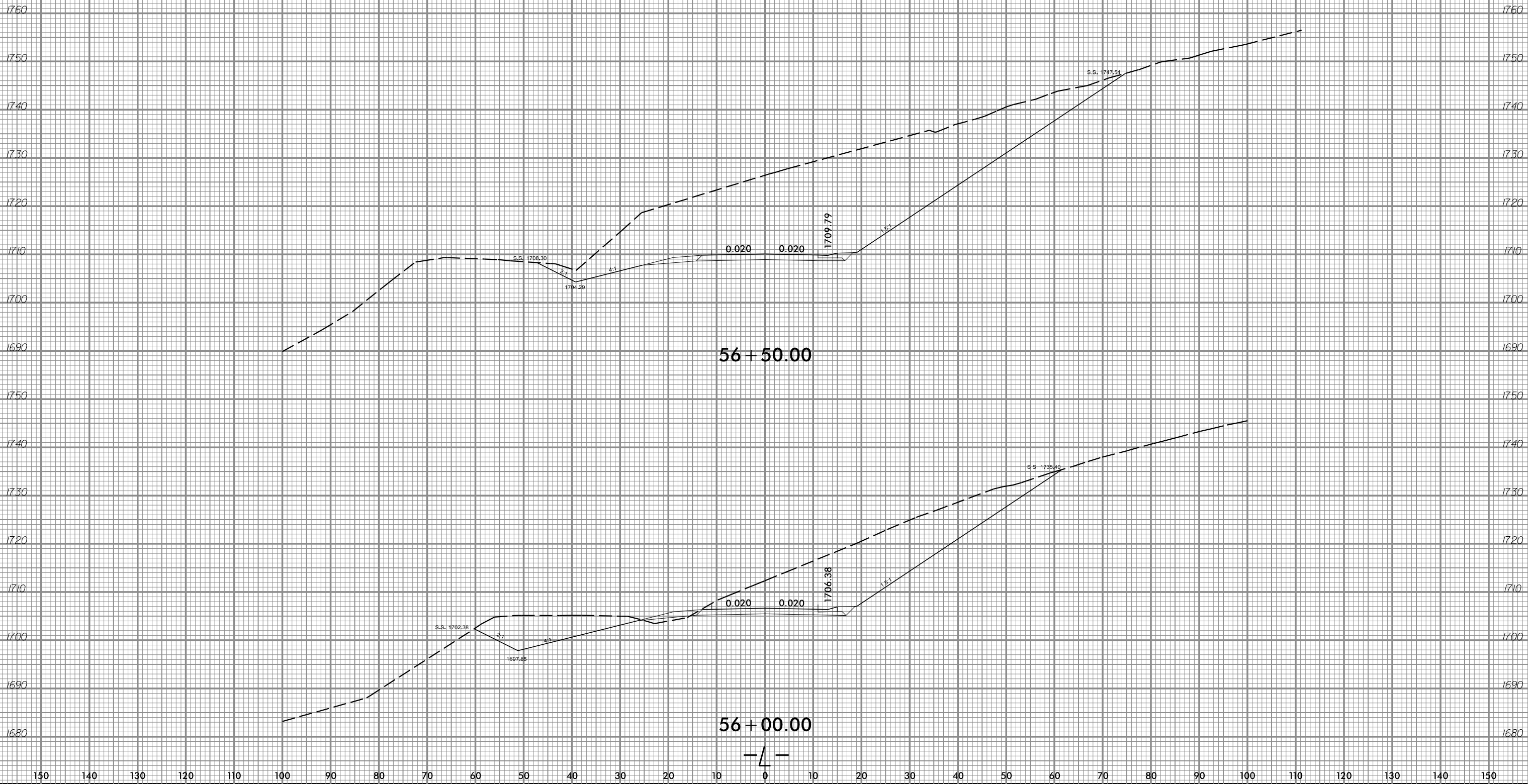
8/23/99



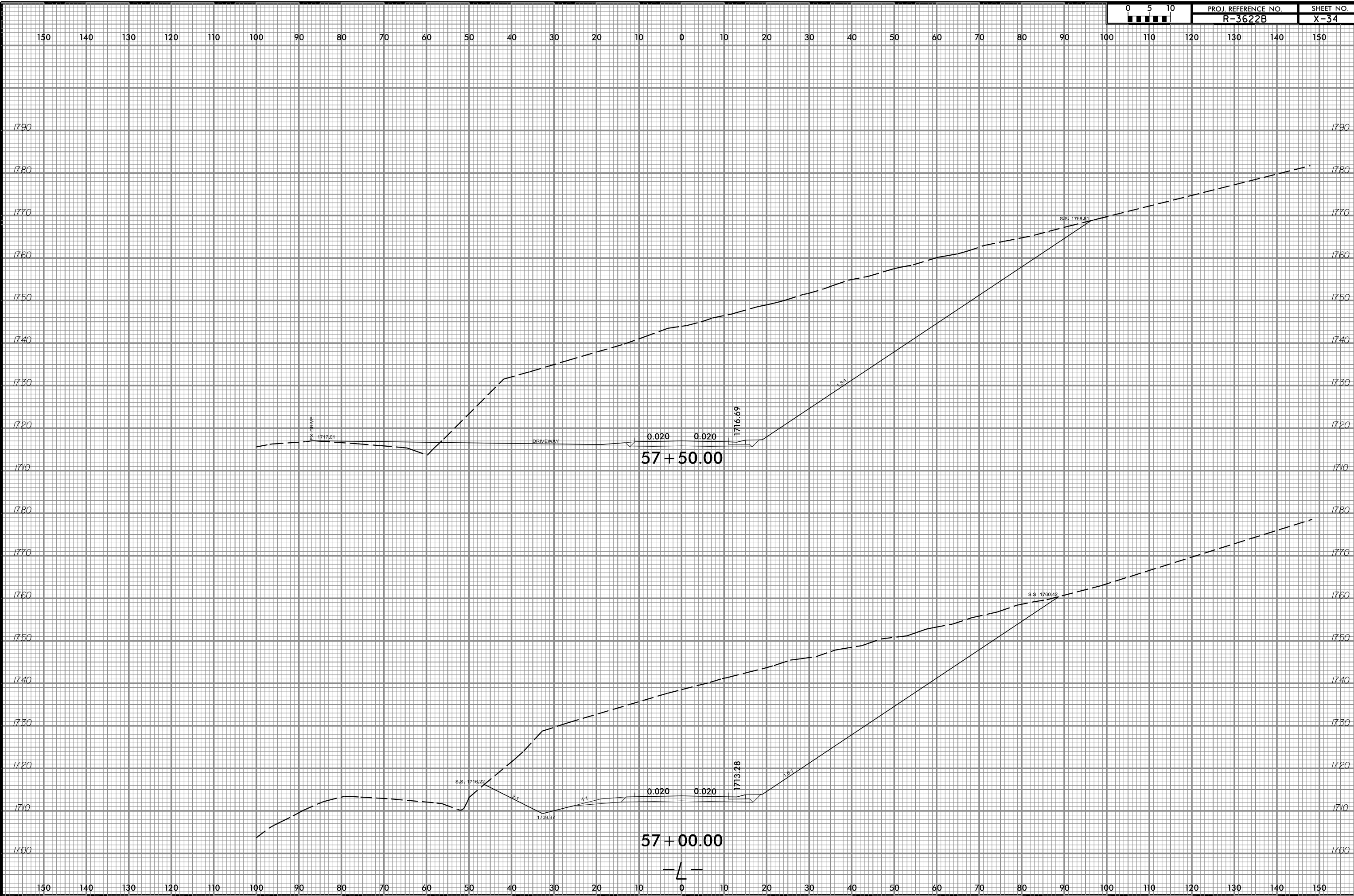
PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-33

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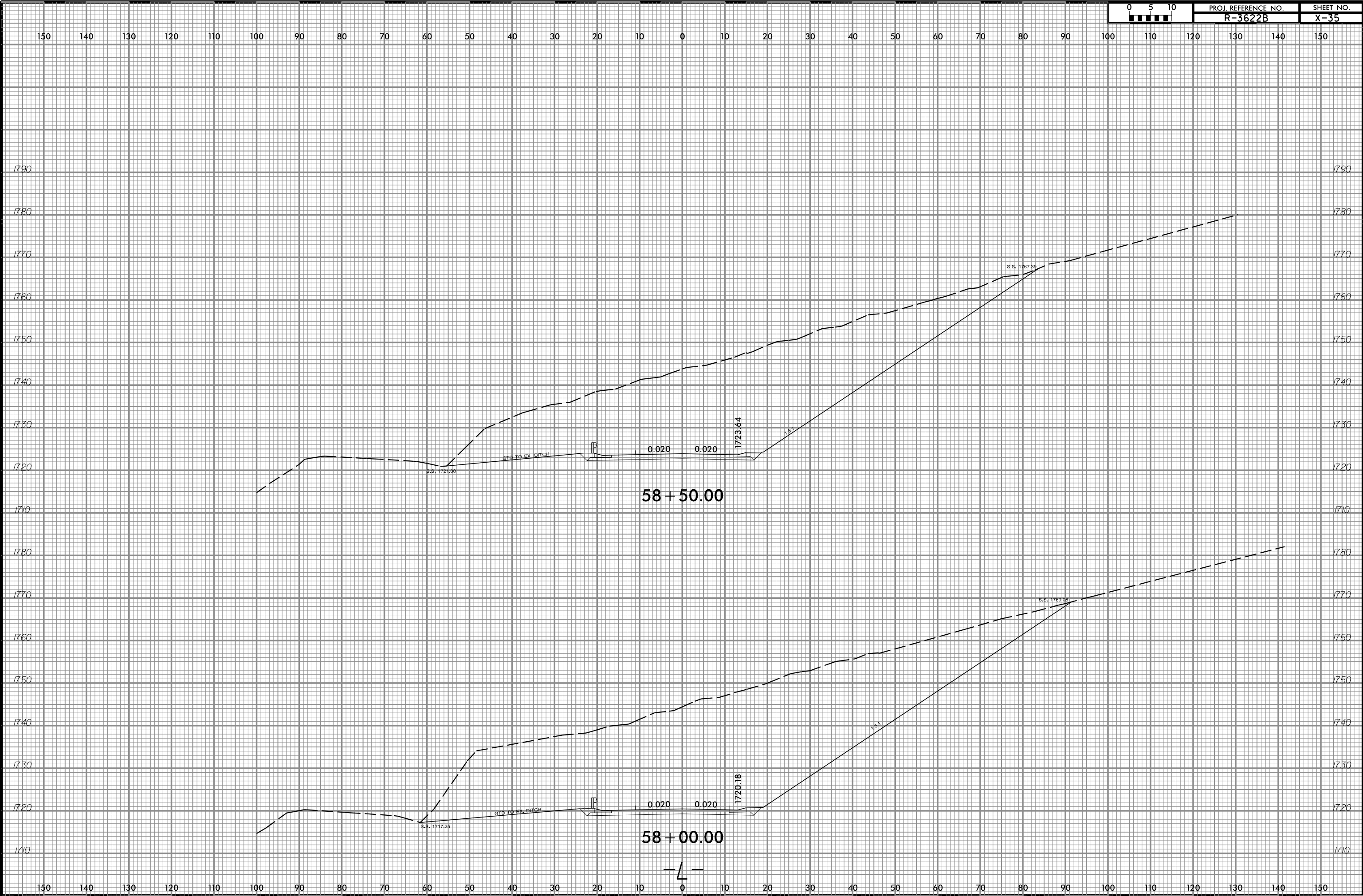


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



SYTIME
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8/23/99



SYTIME
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NO
DATE
DRAWN
CHECKED
DATE

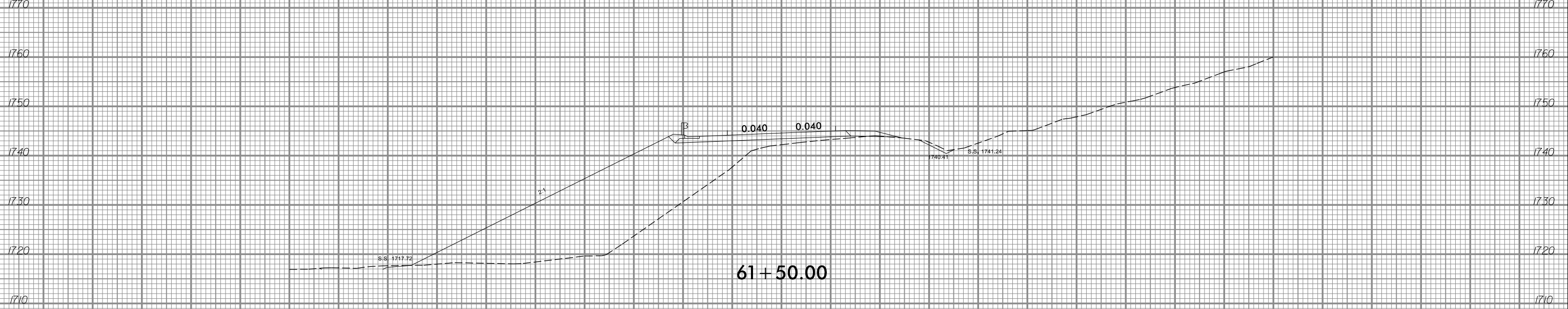
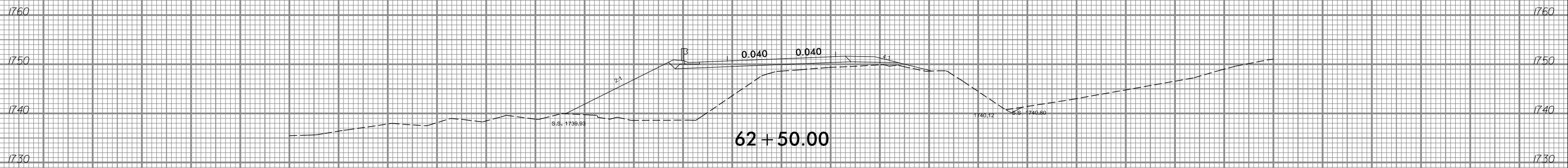
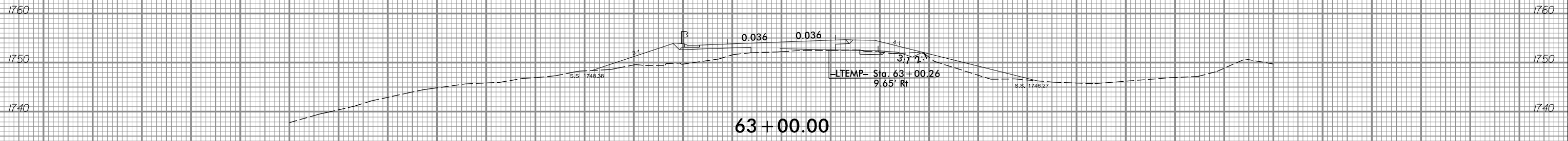
8/23/99



PROJ. REFERENCE NO.
R-3622B

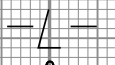
SHEET NO.
X-38

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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

SECTION CUTS TO BE MADE AT THE LOCATION OF THE CURB

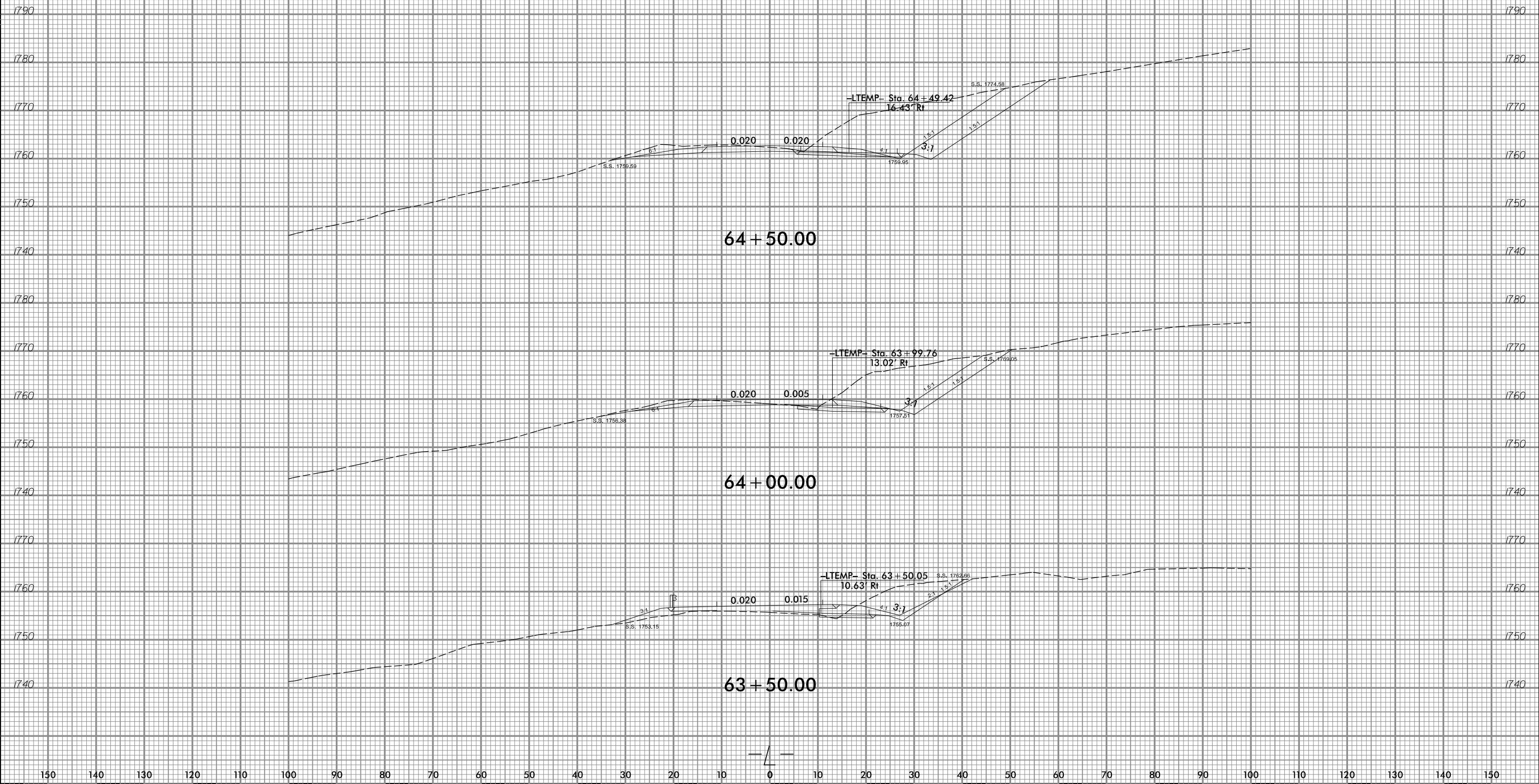


8/23/99



PROJ. REFERENCE NO. R-3622B	SHEET NO. X-39
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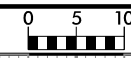
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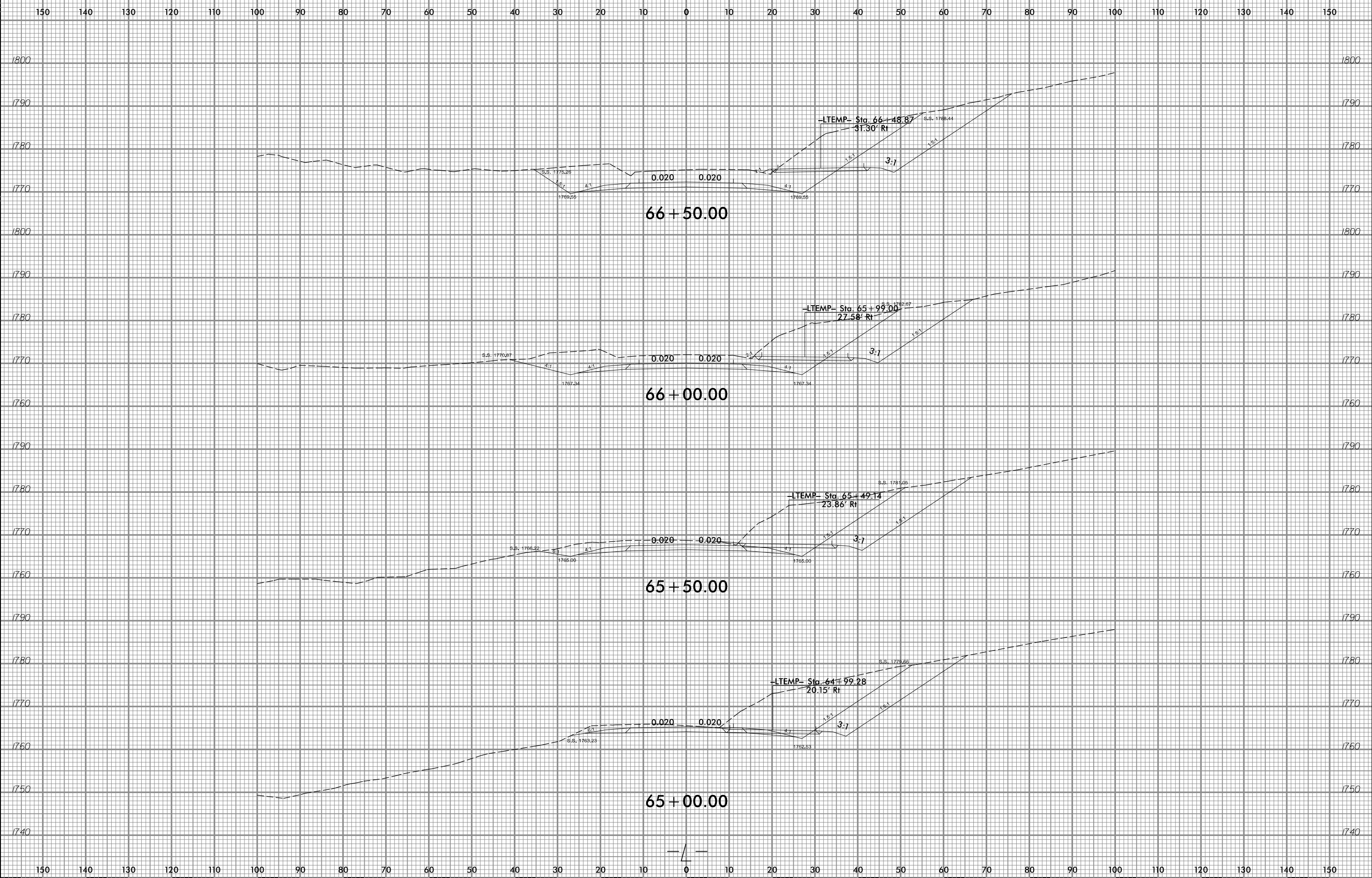
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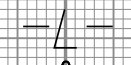
8/23/99



PROJ. REFERENCE NO. R-3622B	SHEET NO. X-40
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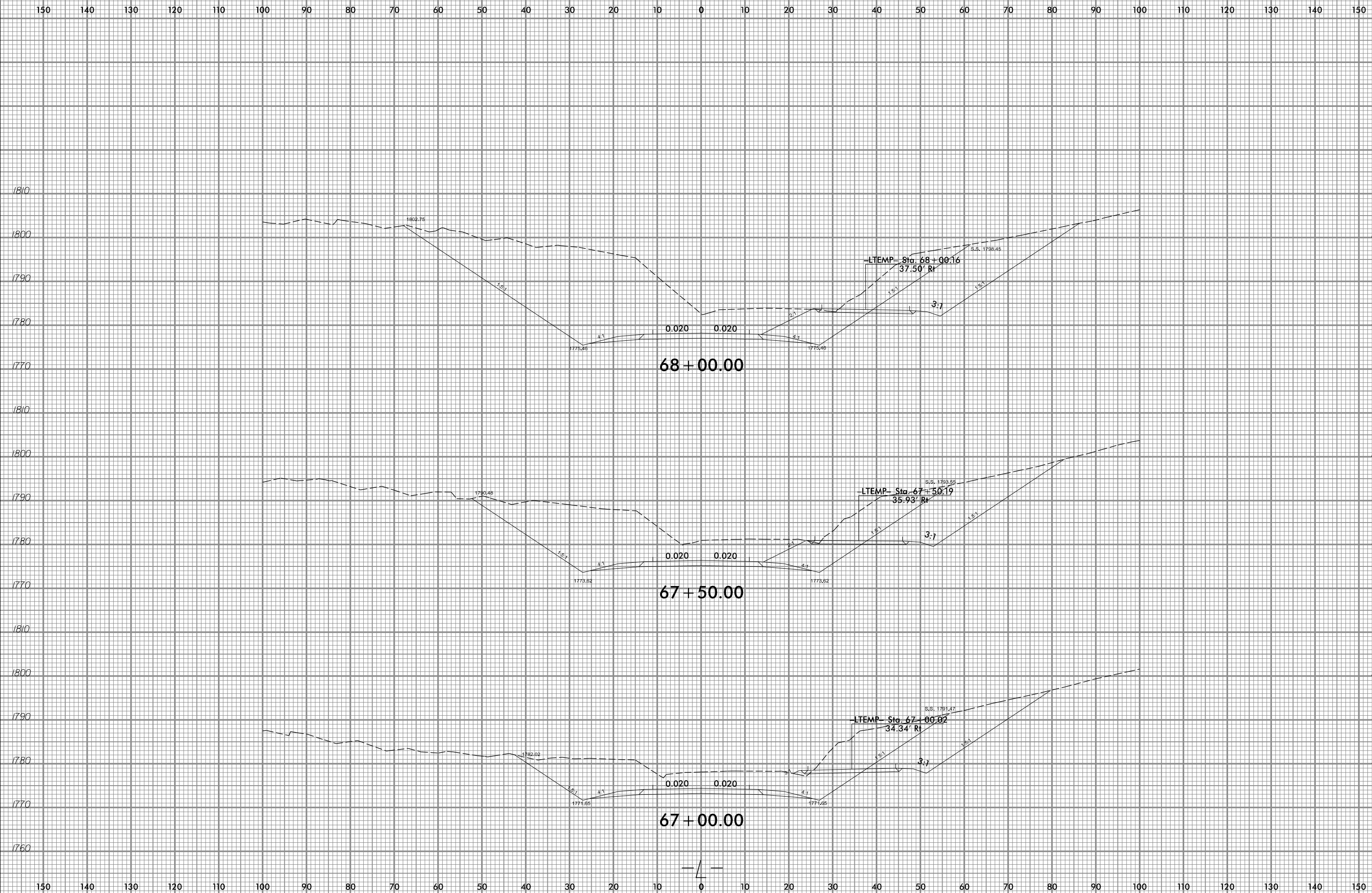
SECTION CUTS



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-41

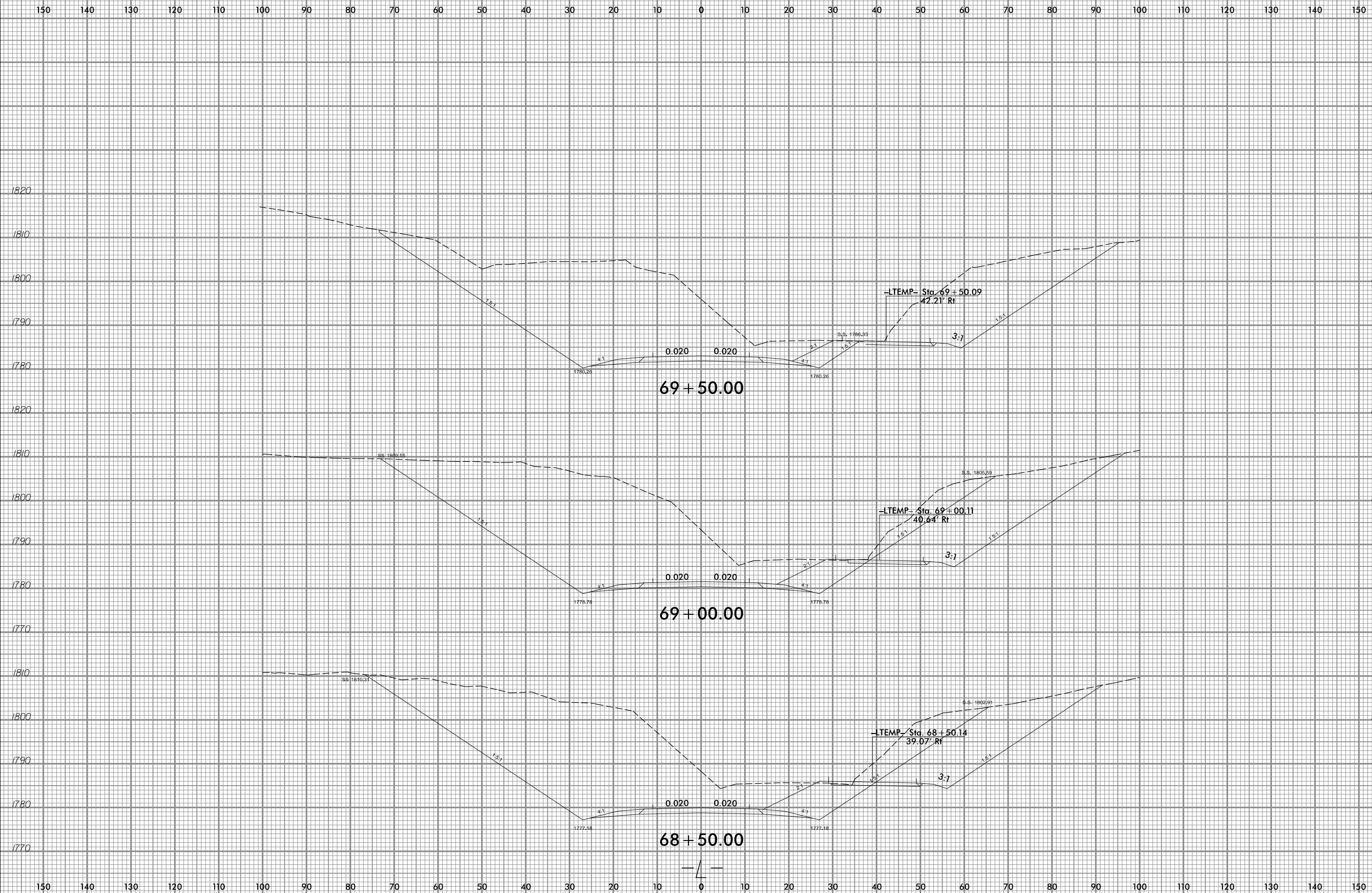


SYSTEMS DESIGN

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-42



SYSTEMS TIME: 8/23/99 10:00:00 AM
 PROJECT: R-3622B
 SHEET: X-42

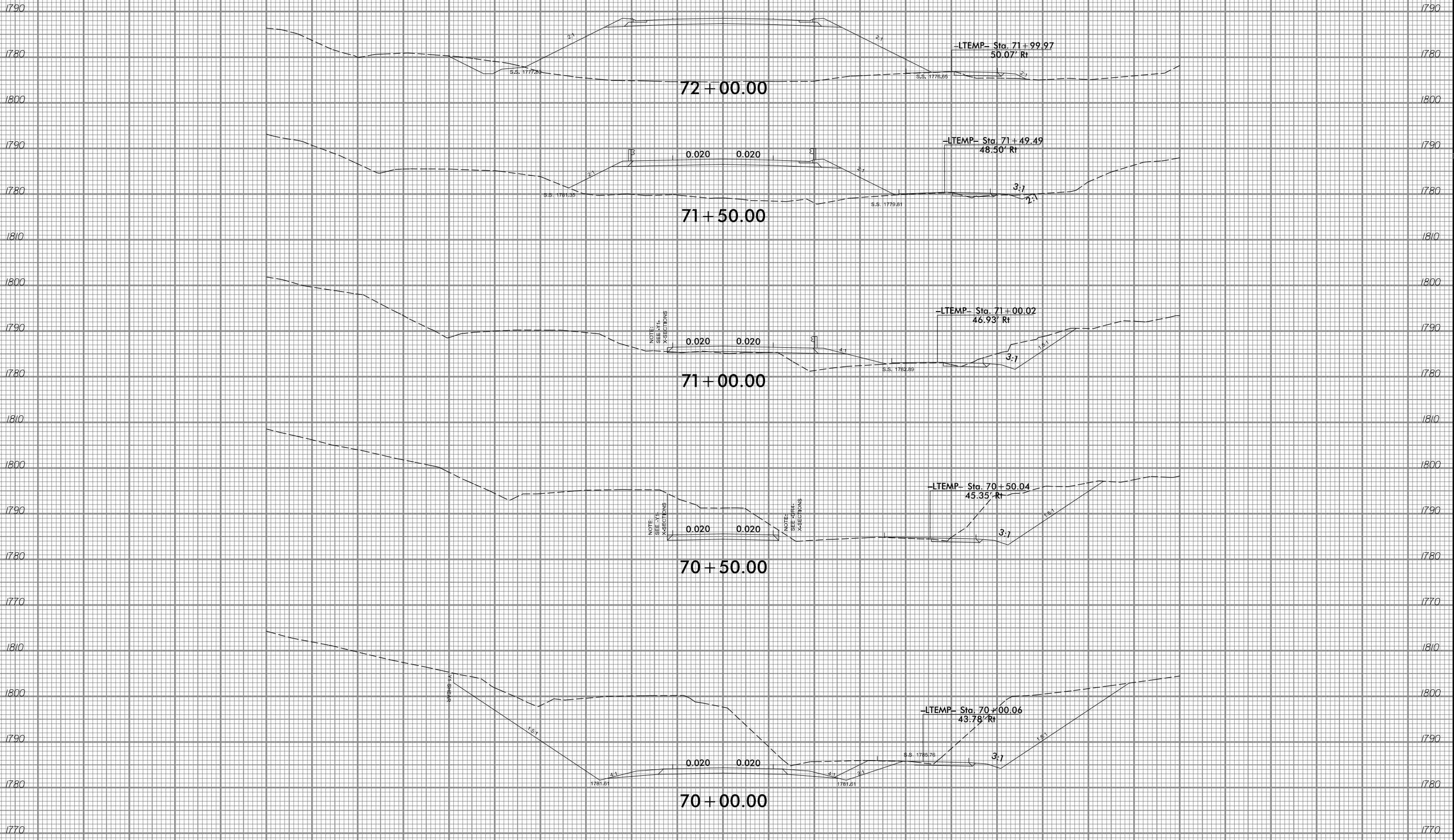
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-43

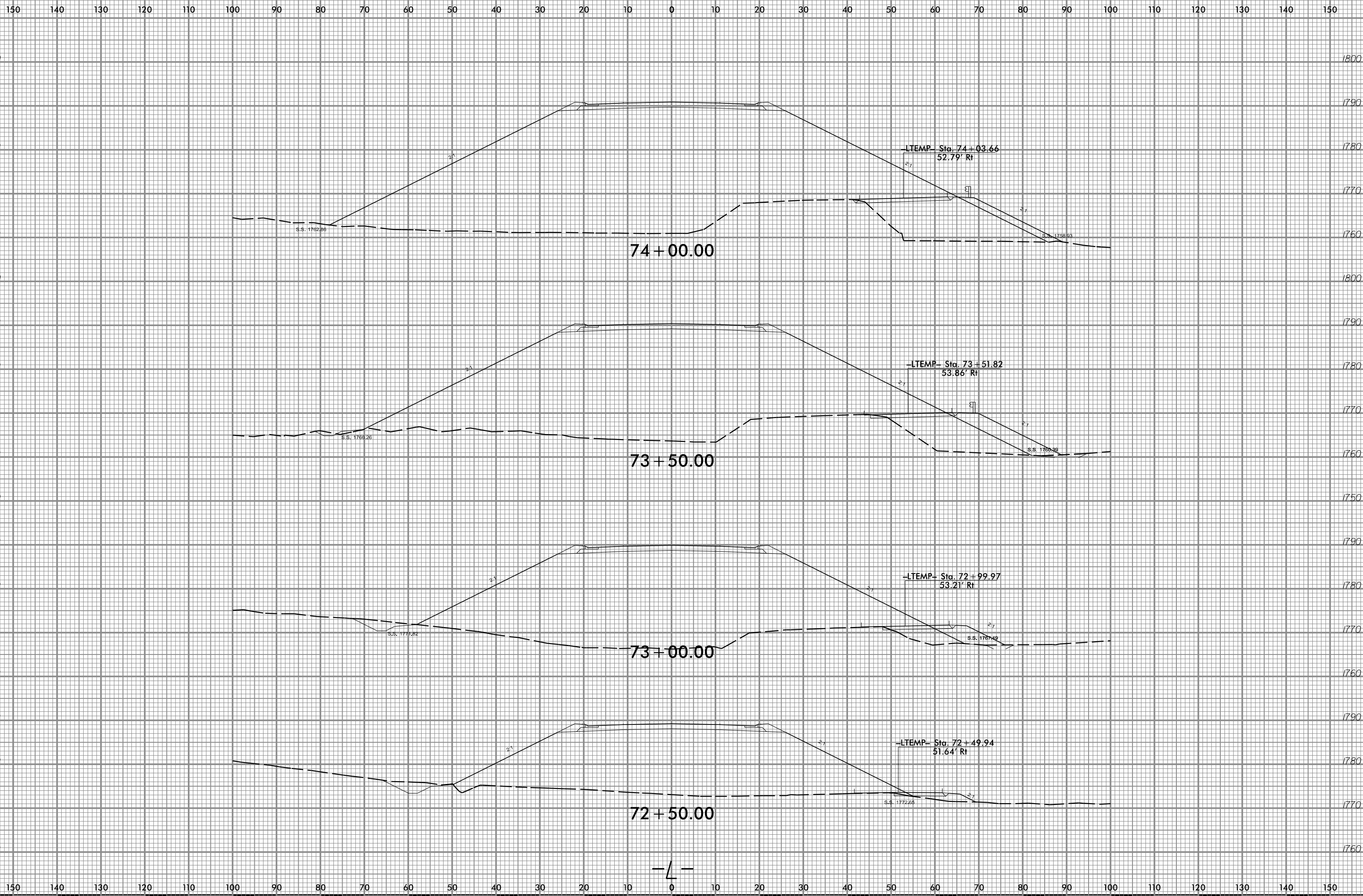
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SYSTEMS TIME\$\$\$\$\$
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\$\$\$\$\$ DRAWING\$\$\$\$\$
\$\$\$\$\$ SHEET\$\$\$\$\$

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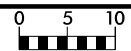
8/23/99



SYTIME
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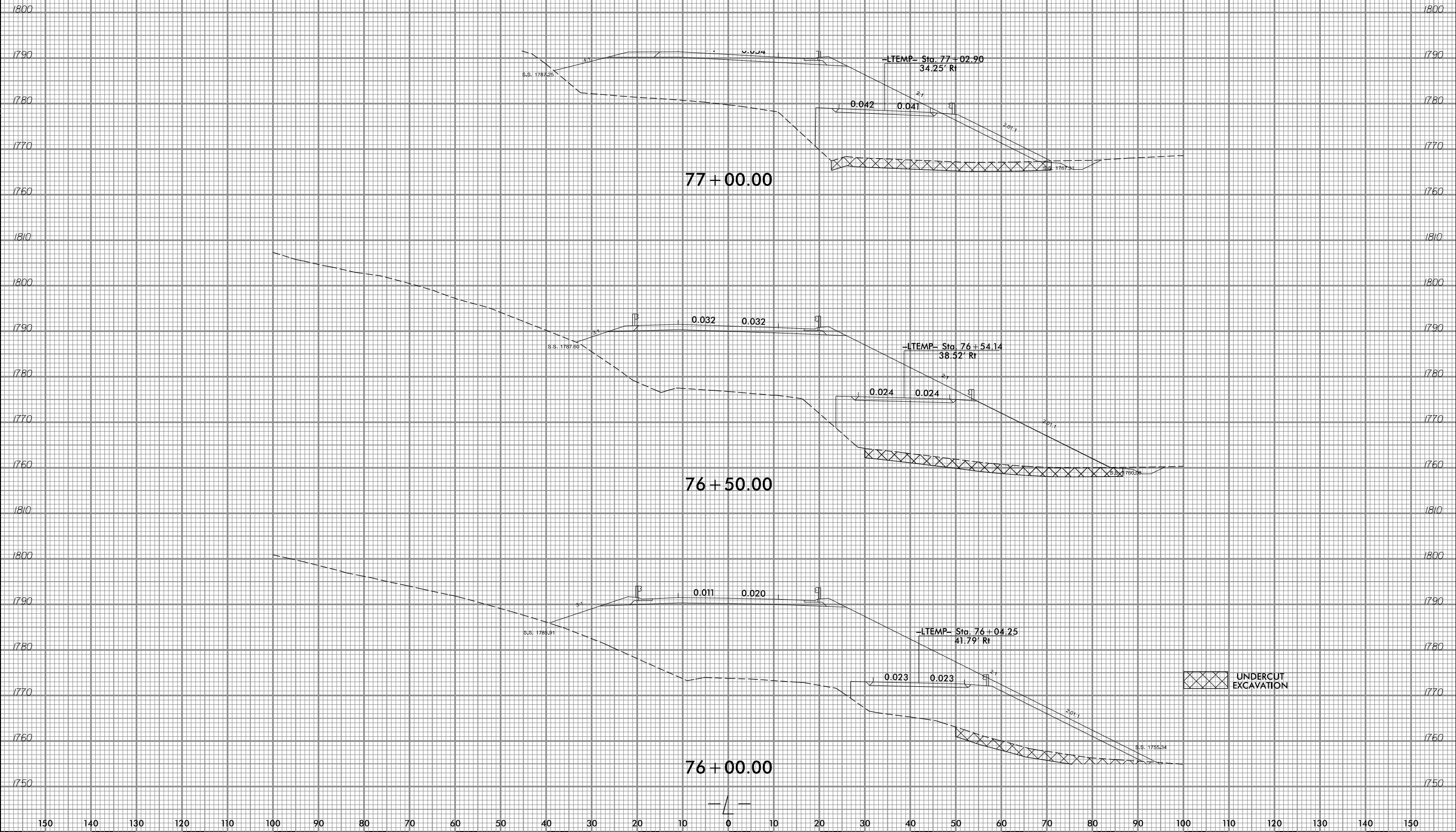
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8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-46

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SECTIONAL ELEVATION

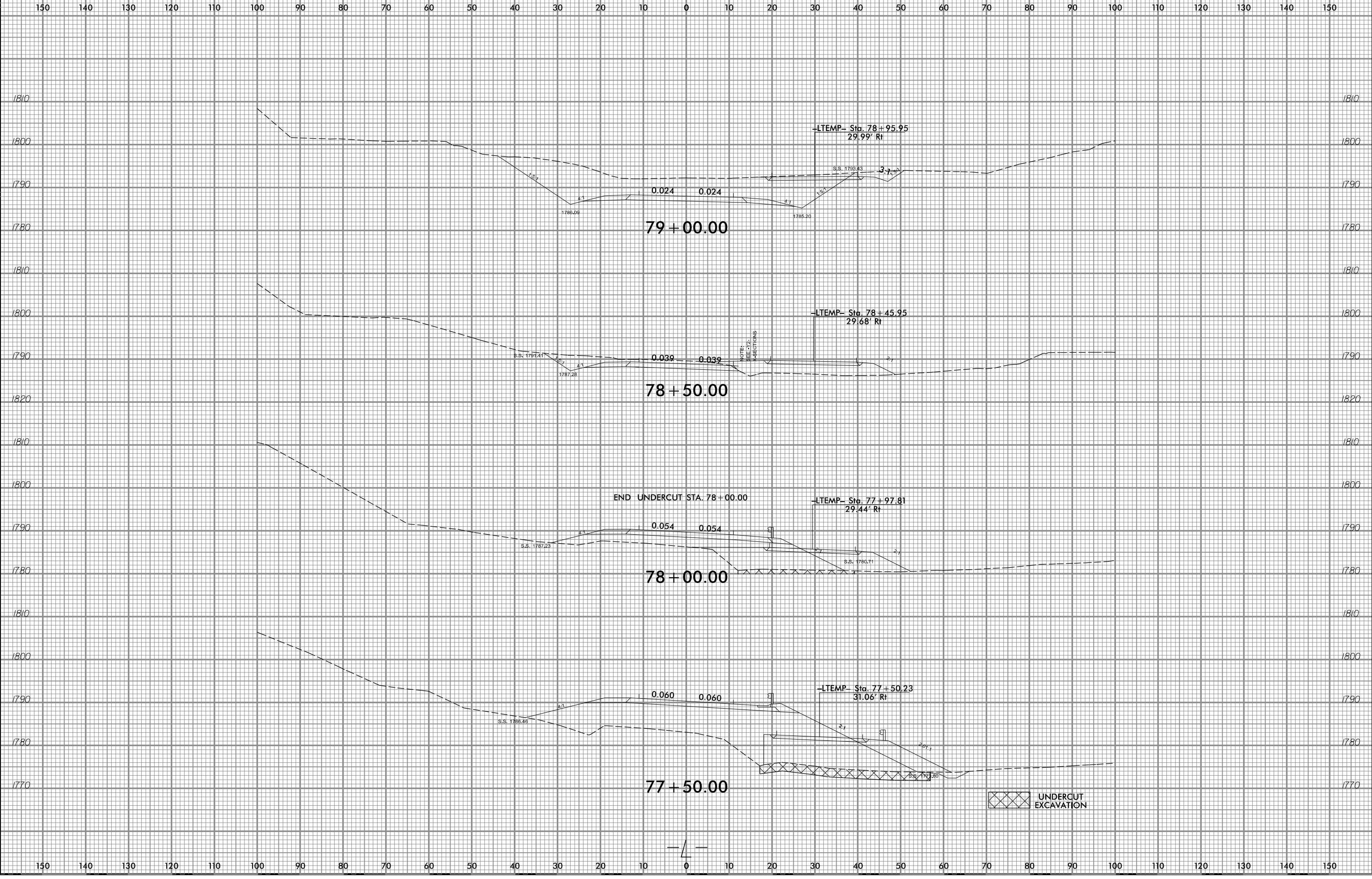
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8/23/99

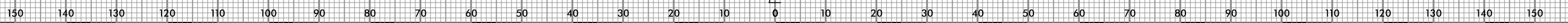
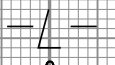


PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-47

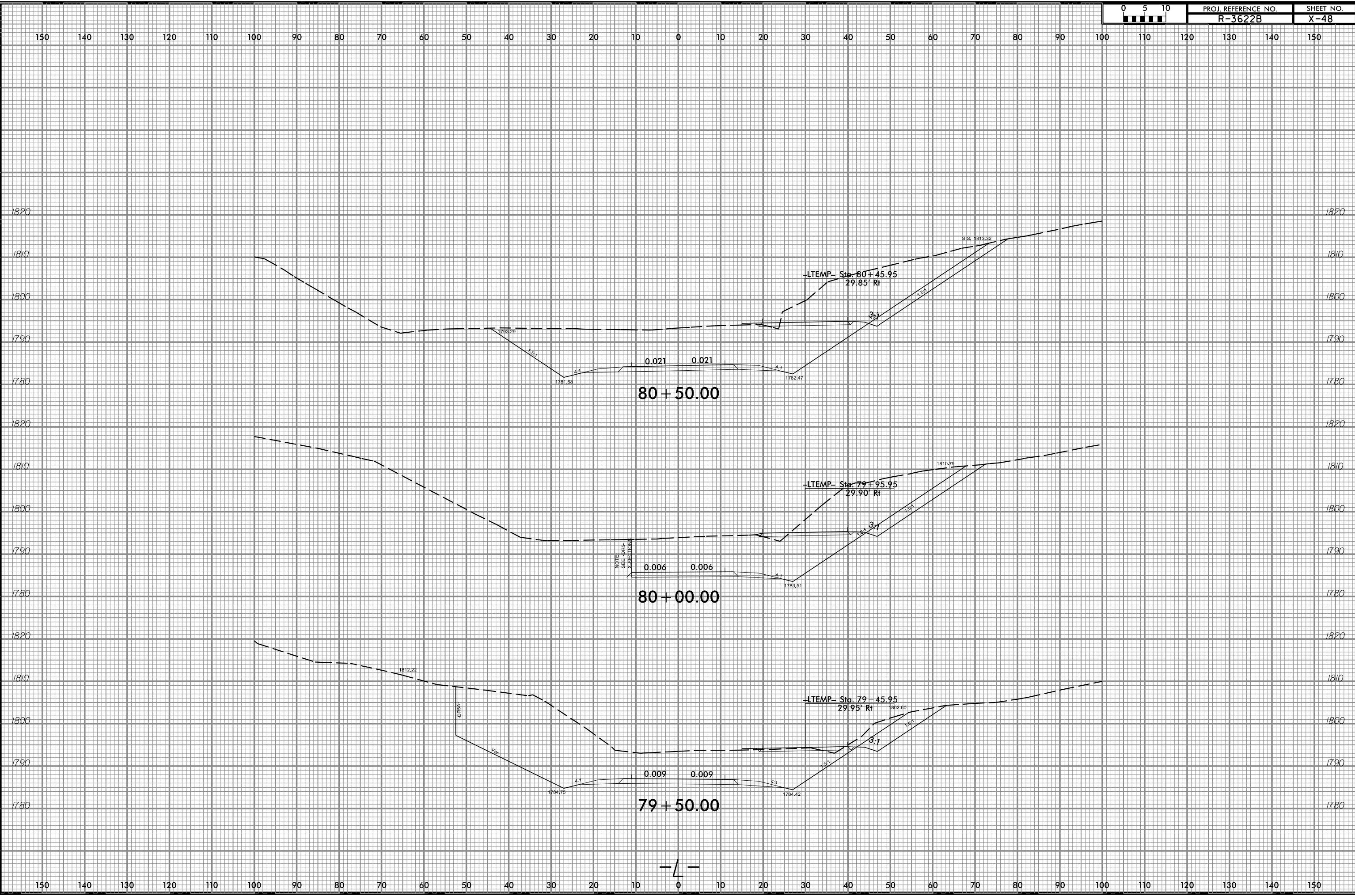


SYTIMESSS

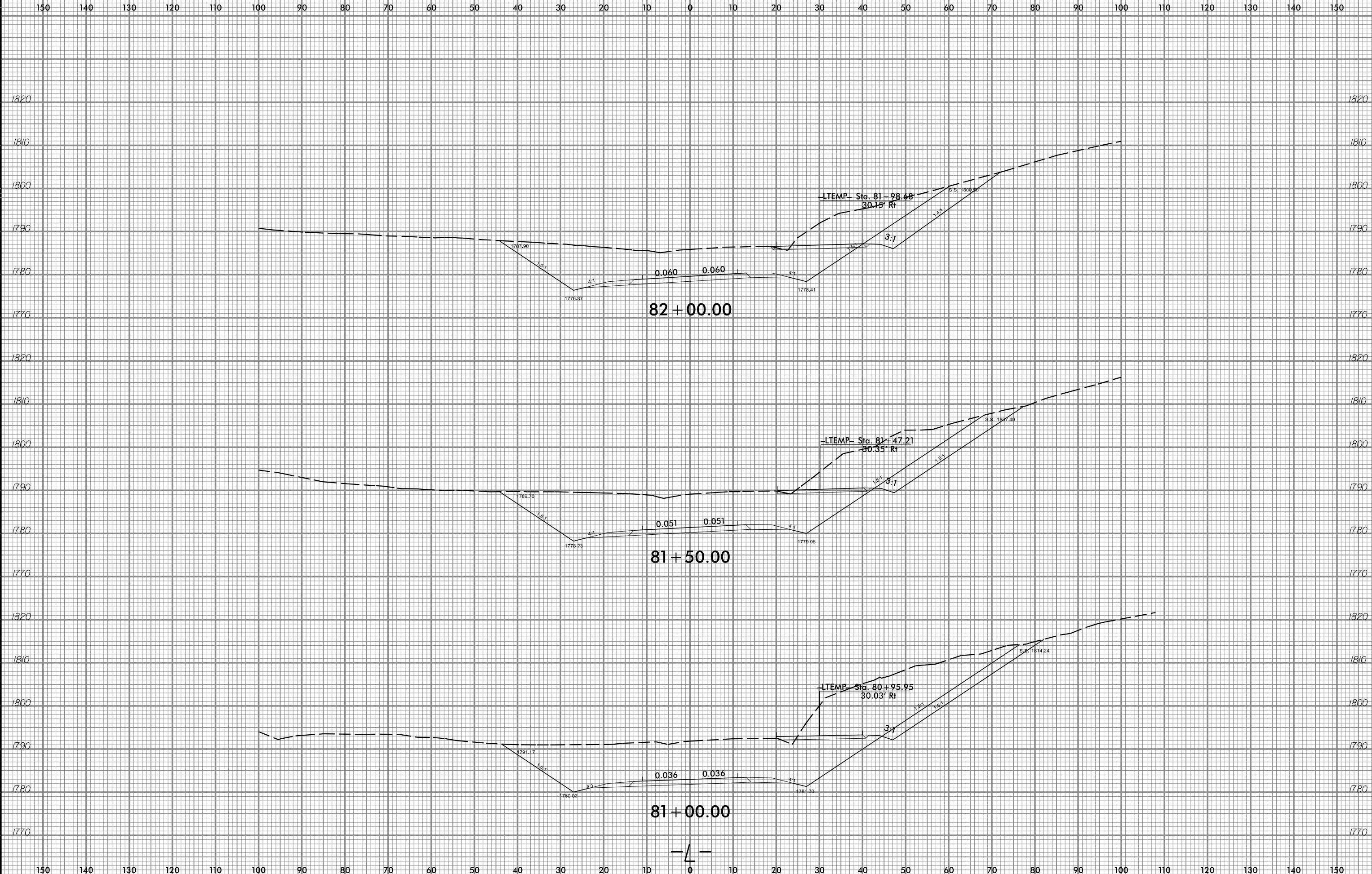


8/23/99

0 5 10 	PROJ. REFERENCE NO. R-3622B	SHEET NO. X-48
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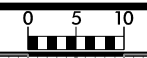
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 \$\$\$COST\$\$\$\$\$
 \$\$\$AREA\$\$\$\$\$
 \$\$\$PERIMETER\$\$\$\$\$
 \$\$\$VOLUME\$\$\$\$\$
 \$\$\$CUMULATIVE\$\$\$\$\$
 \$\$\$SUMMARY\$\$\$\$\$



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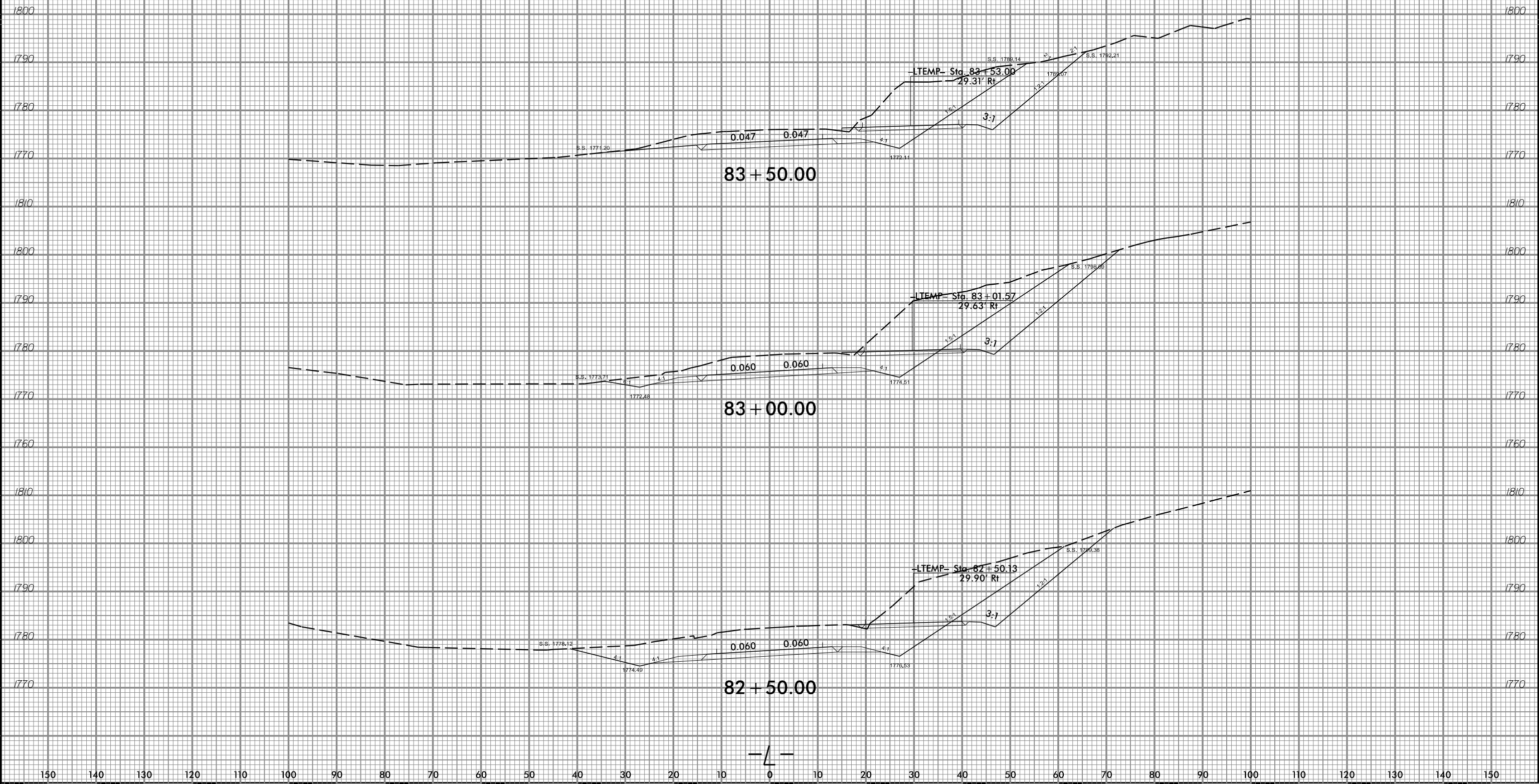


8/23/99



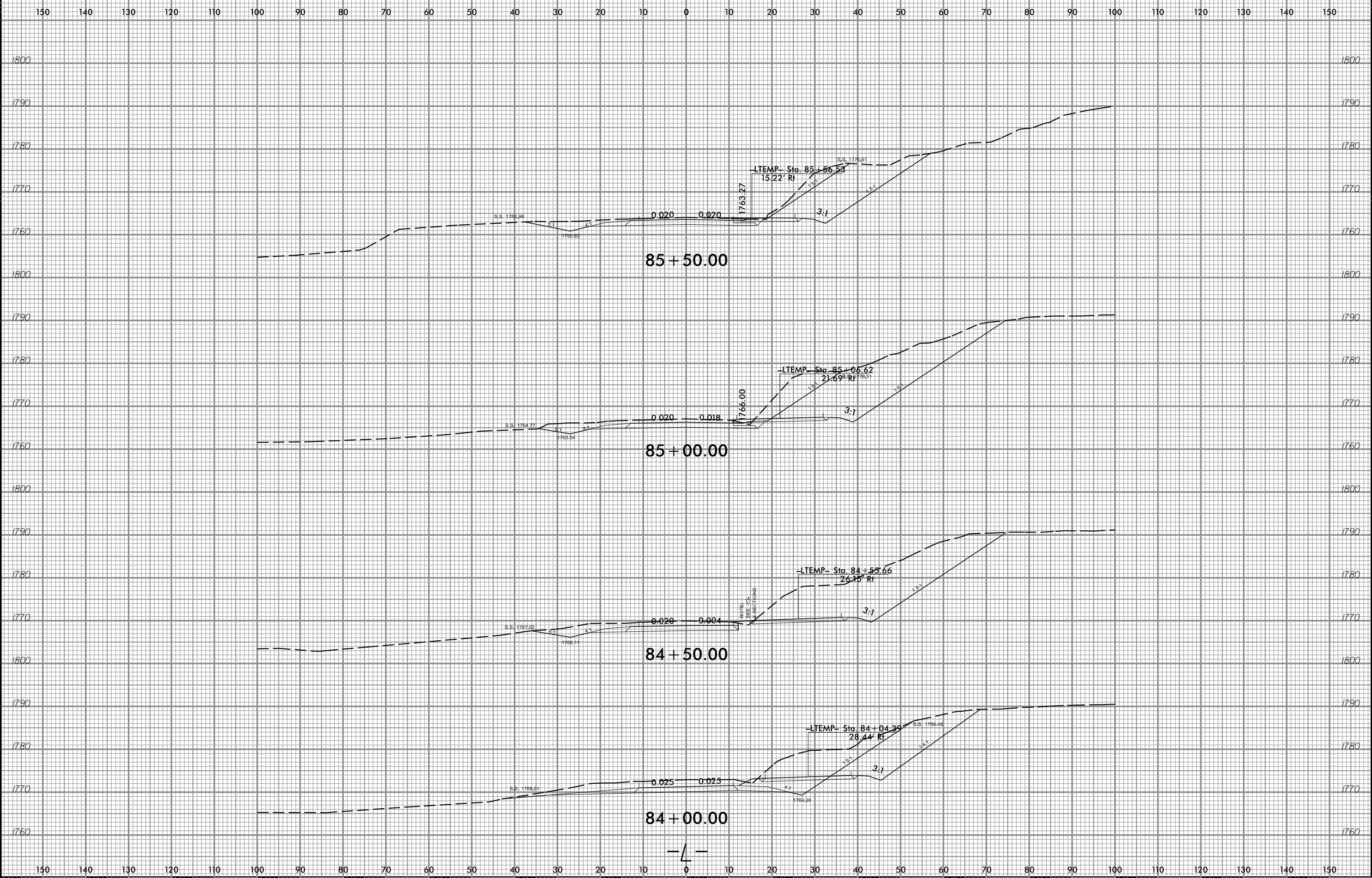
PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-50

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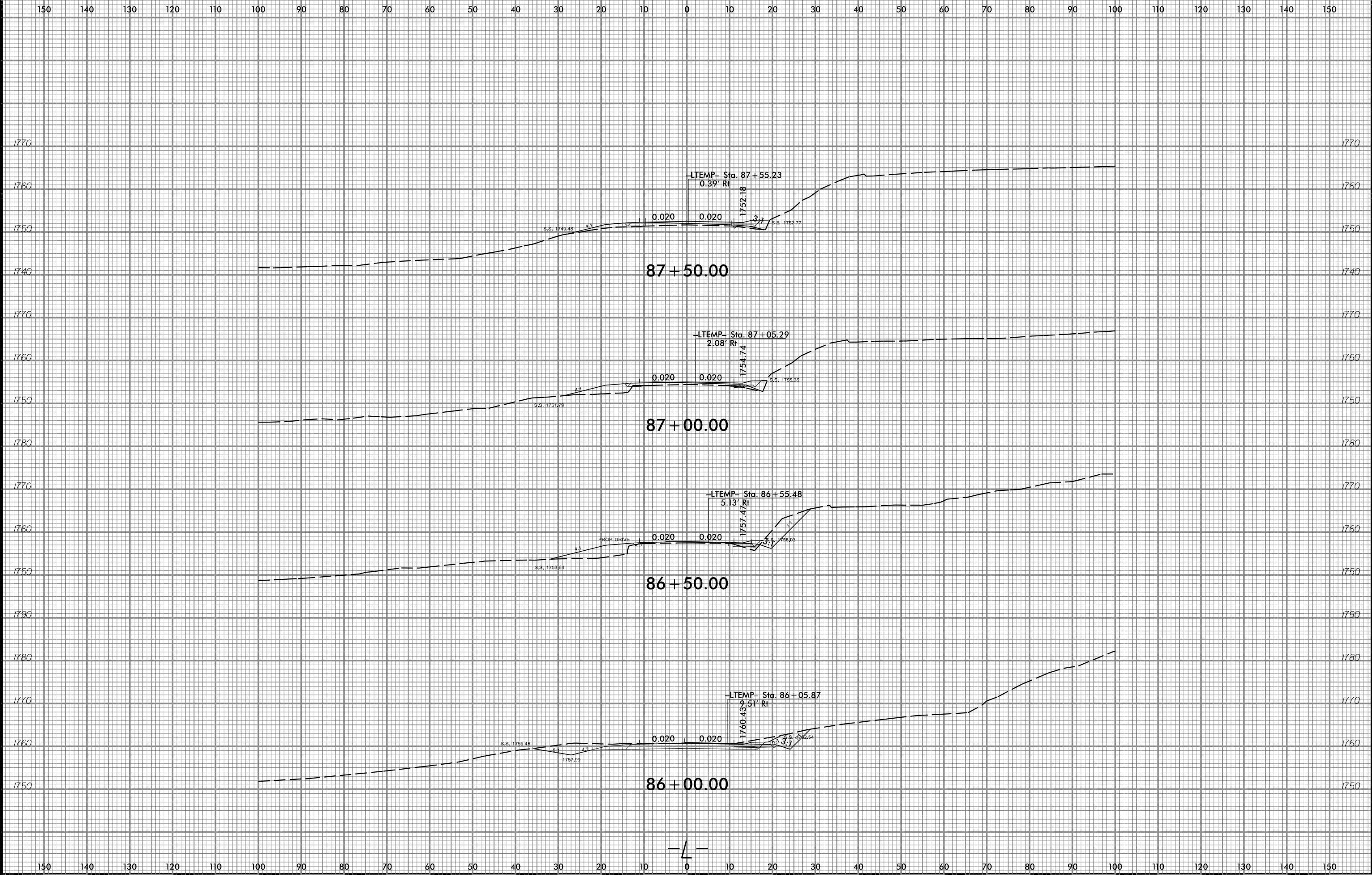


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8/23/99

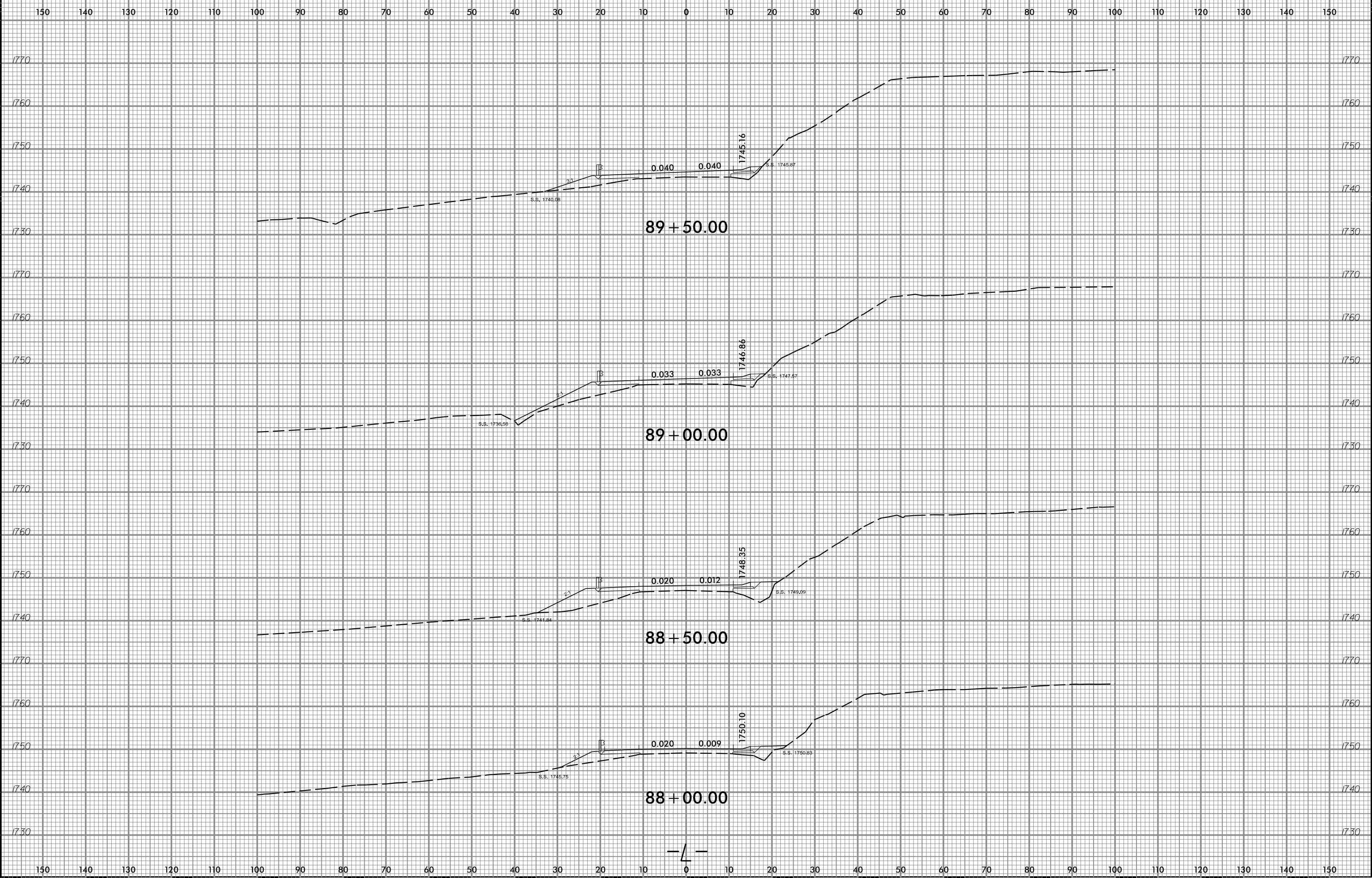


SYTIME

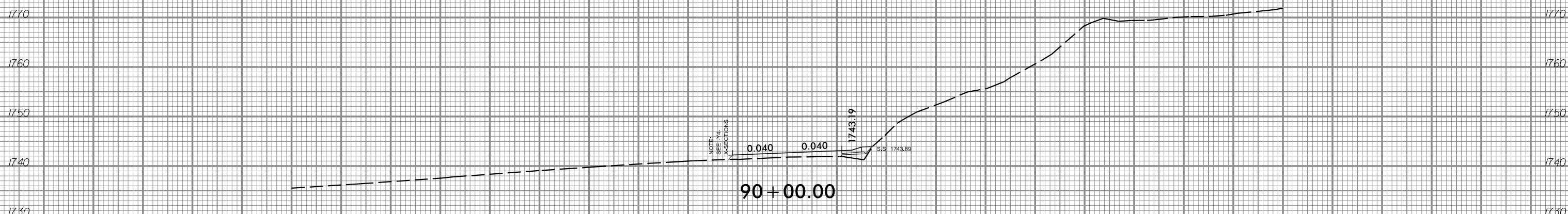
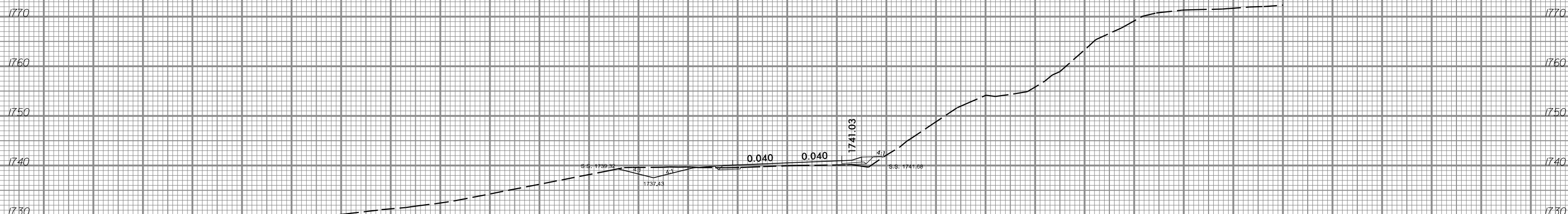
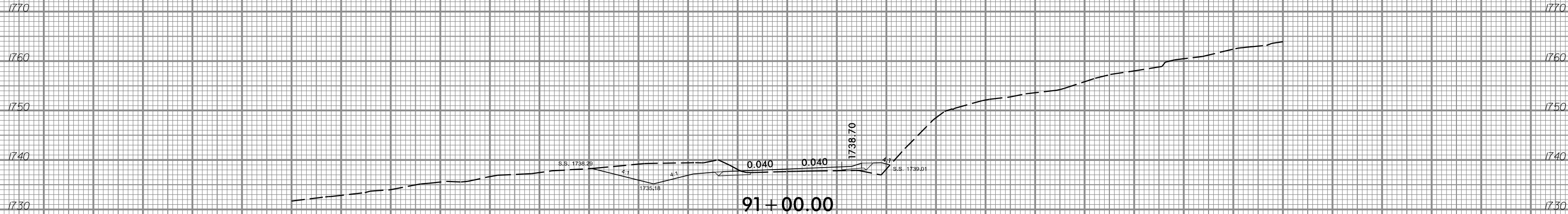


SYTIMESSS
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SUSSESS

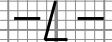
8/23/99



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

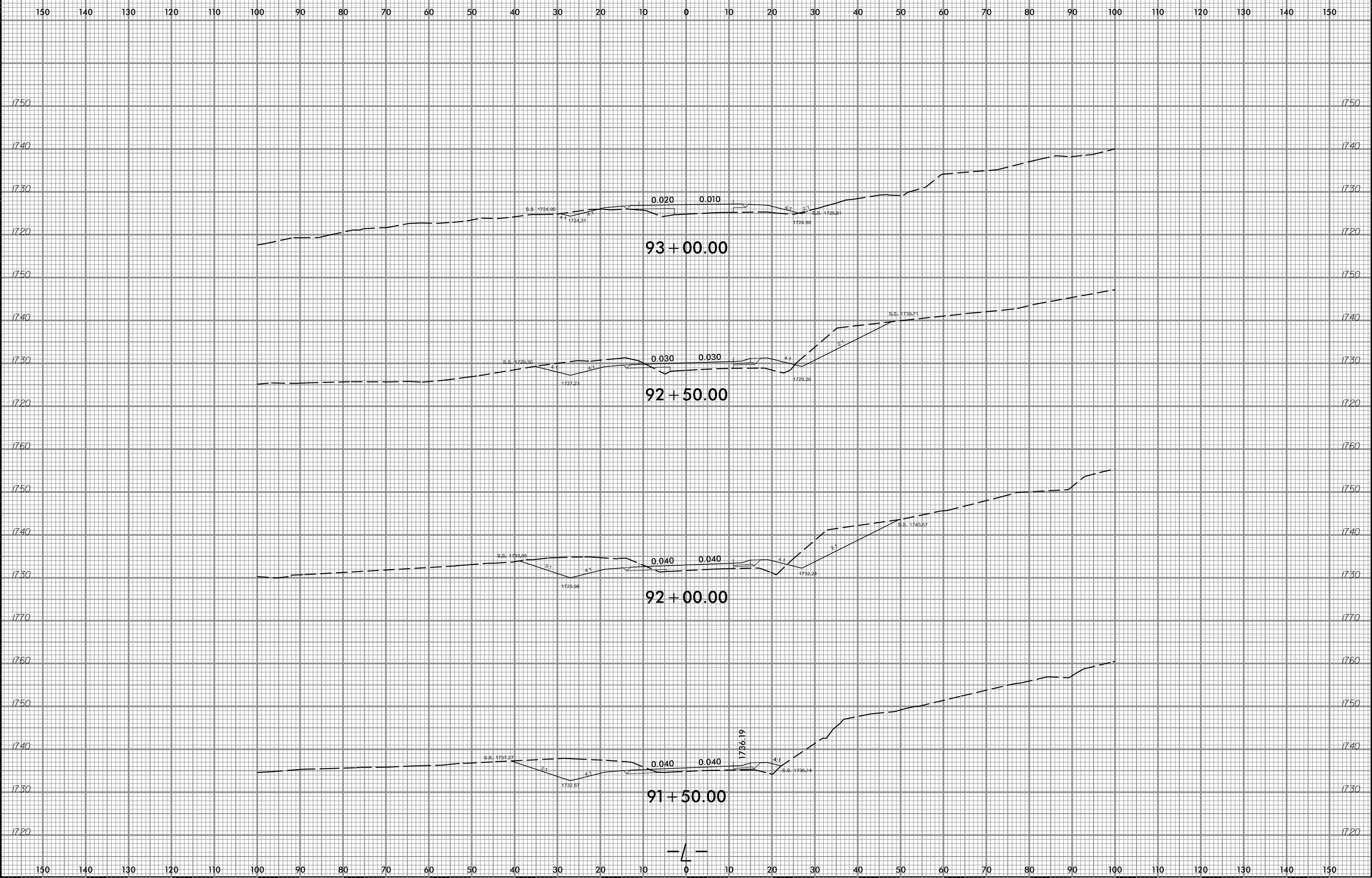


NOTE:
BASE PLAN
SECTIONS



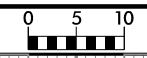
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8/23/99



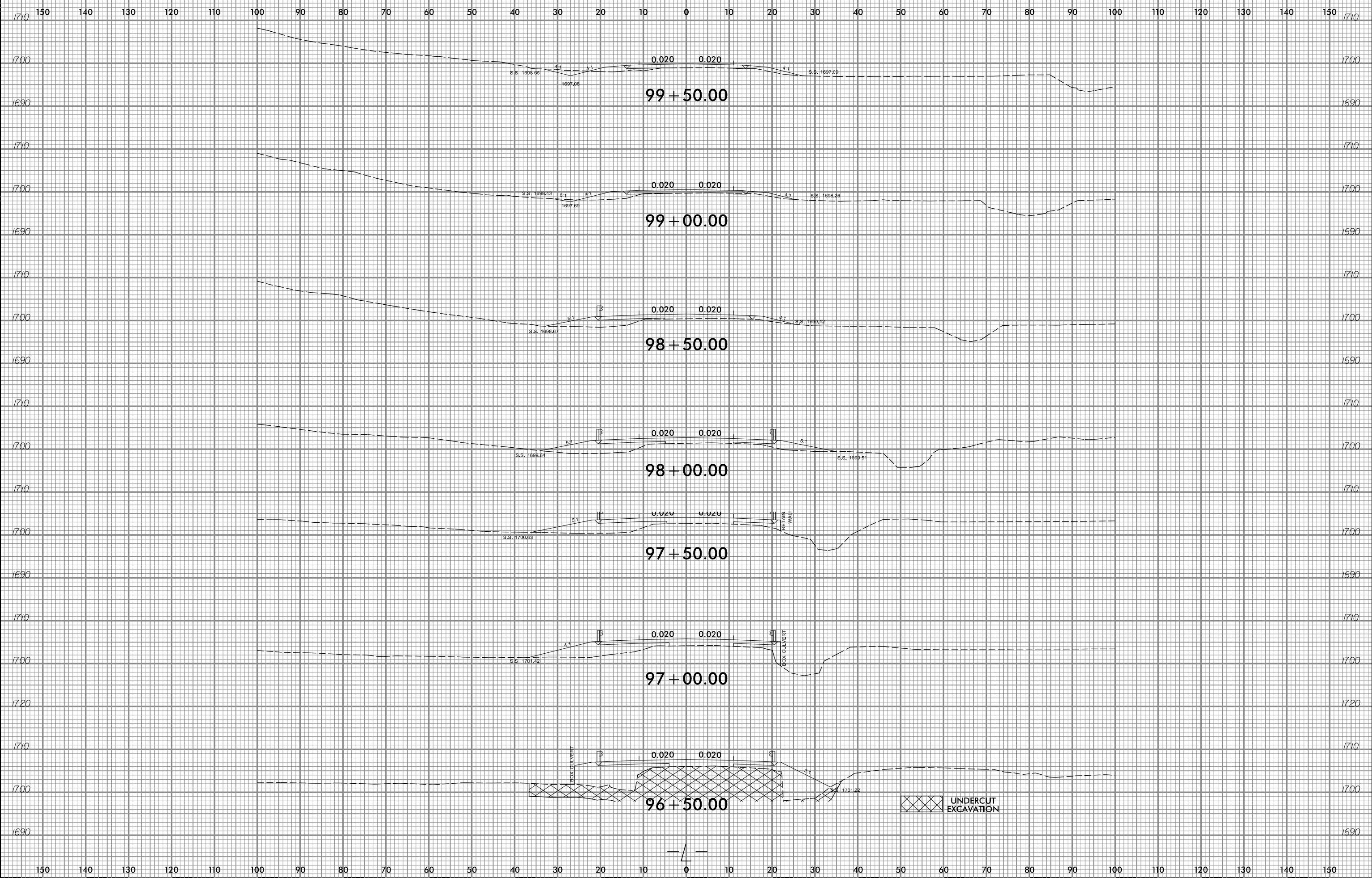
SECTION 91+50.00
SECTION 92+00.00
SECTION 92+50.00
SECTION 93+00.00

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-57

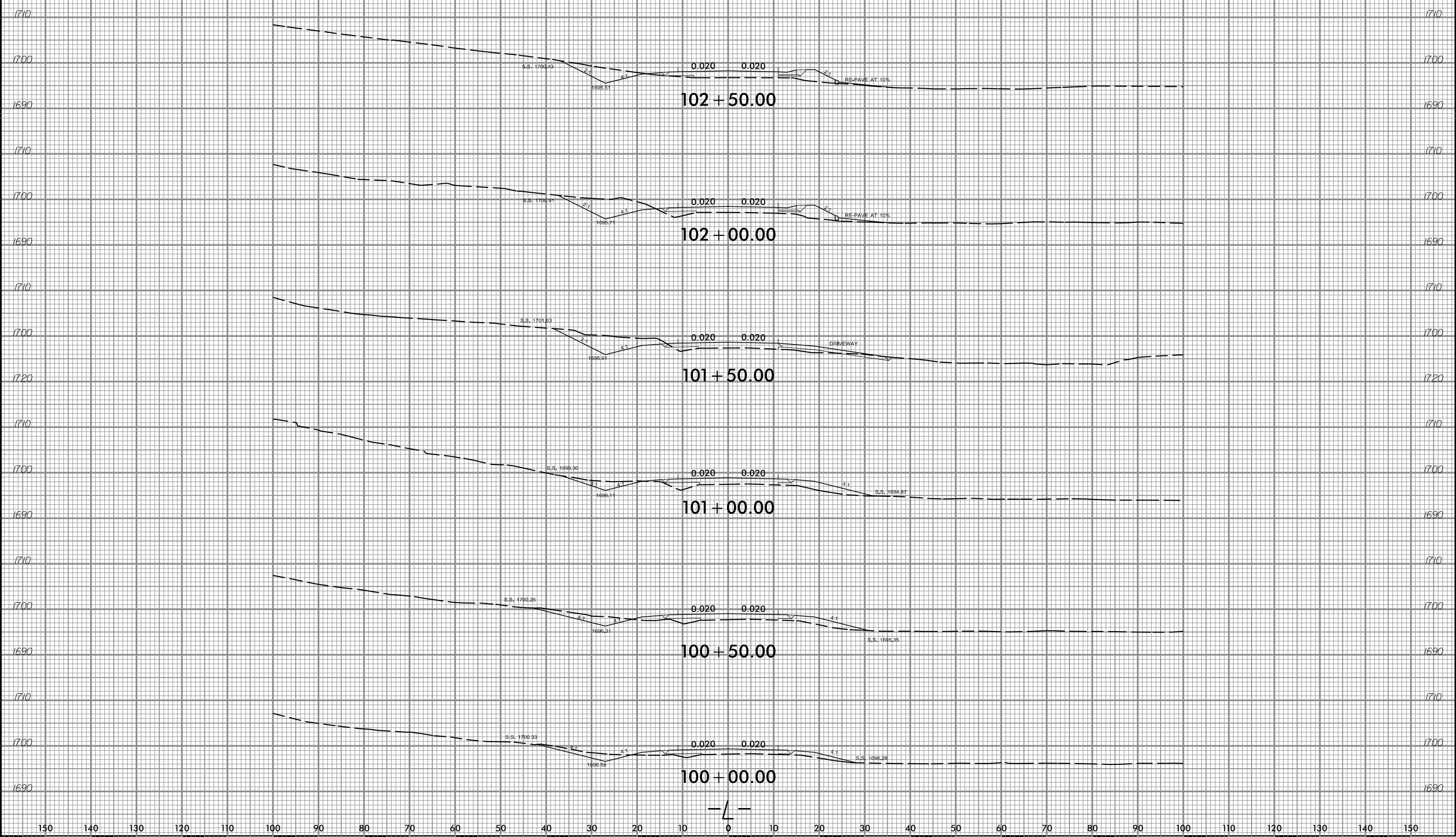


SYSTEMS
DESIGN
INC.

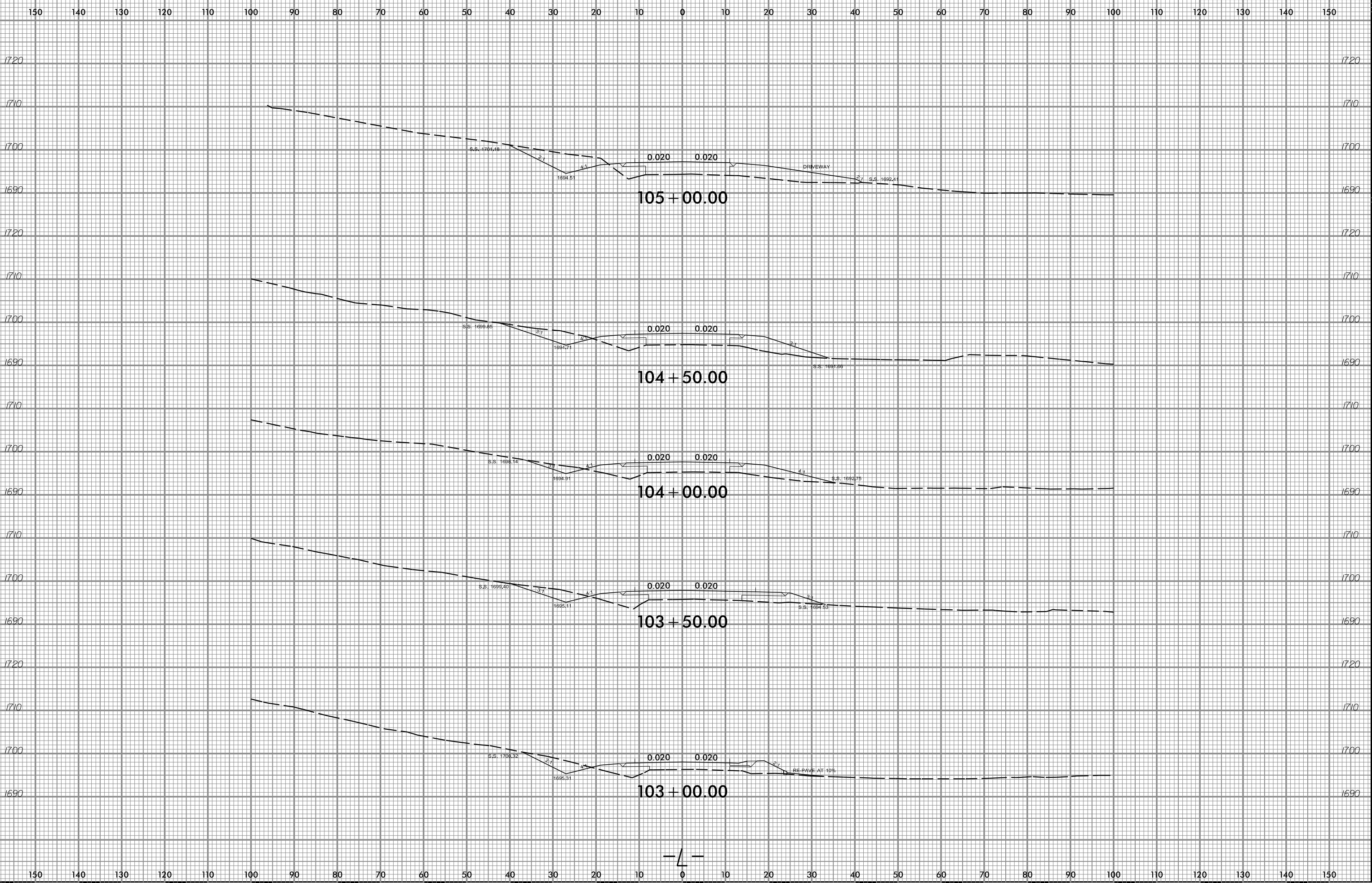
UNDERCUT EXCAVATION

8/23/99

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

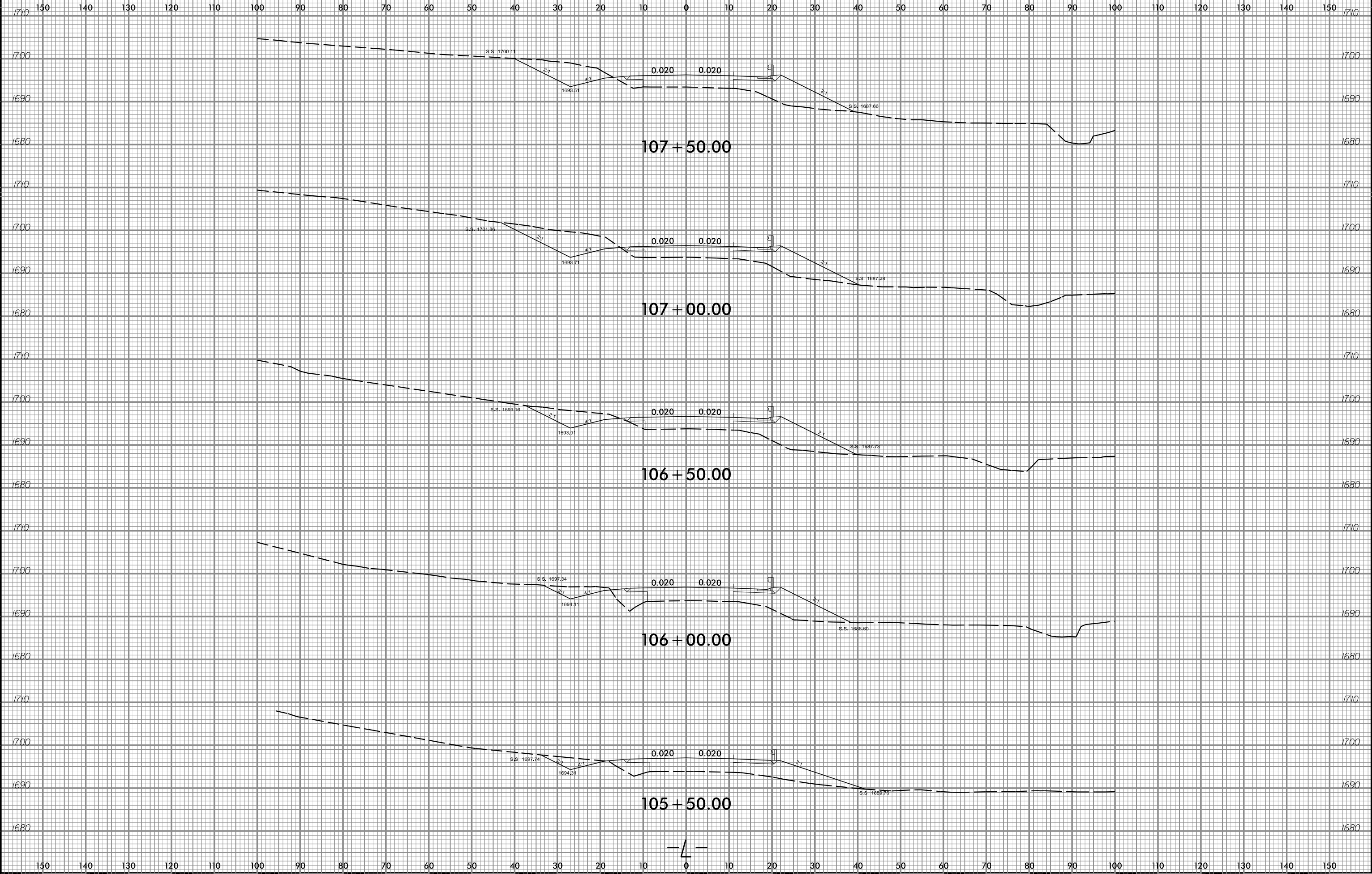


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\$\$\$SYTIME\$\$\$\$\$
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 \$\$\$PROJECT\$\$\$\$\$
 \$\$\$DRAWN BY\$\$\$\$\$
 \$\$\$CHECKED BY\$\$\$\$\$
 \$\$\$DATE\$\$\$\$\$
 \$\$\$SYTIME\$\$\$\$\$

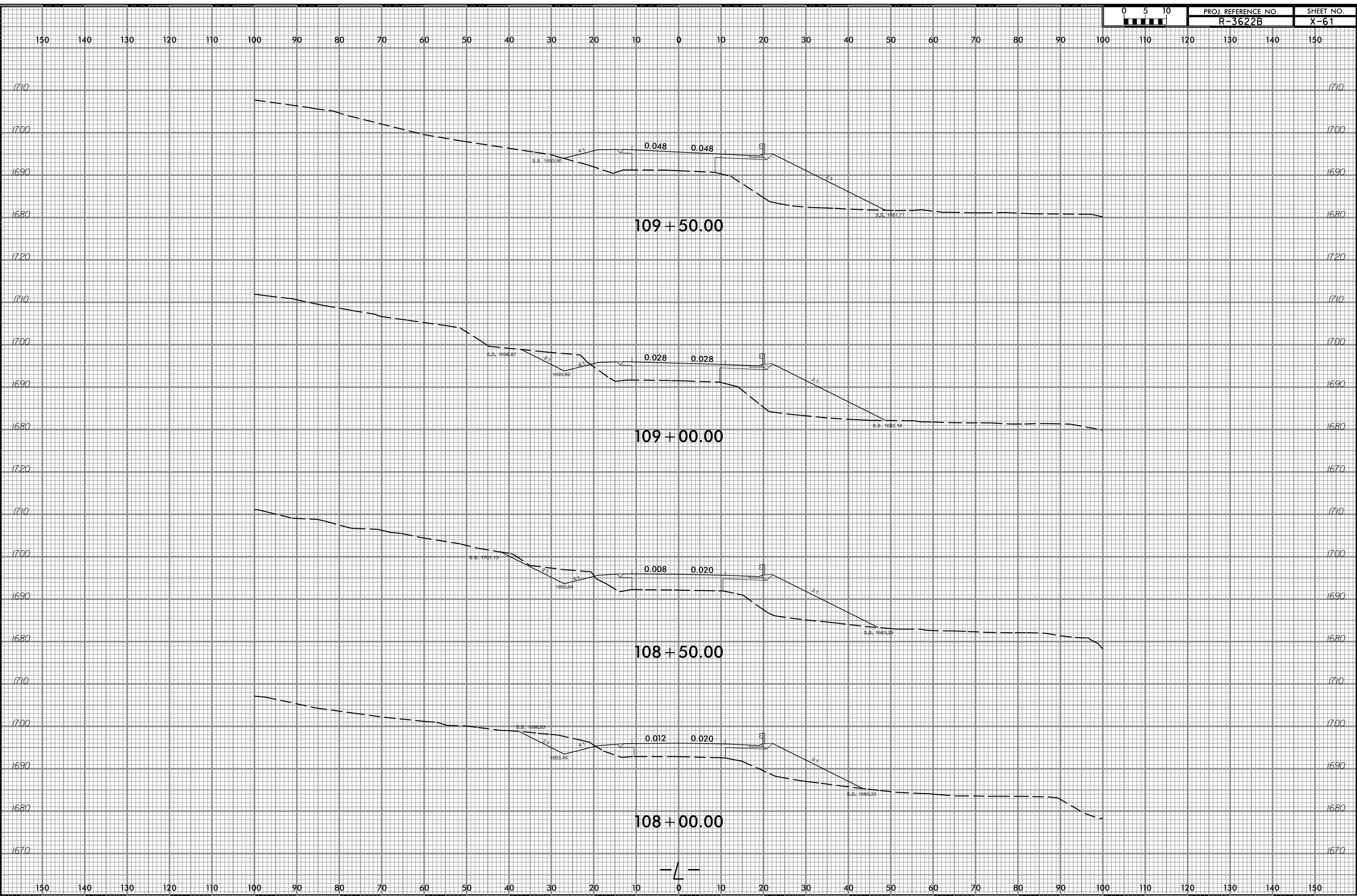
8/23/99



8/23/99
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8/23/99

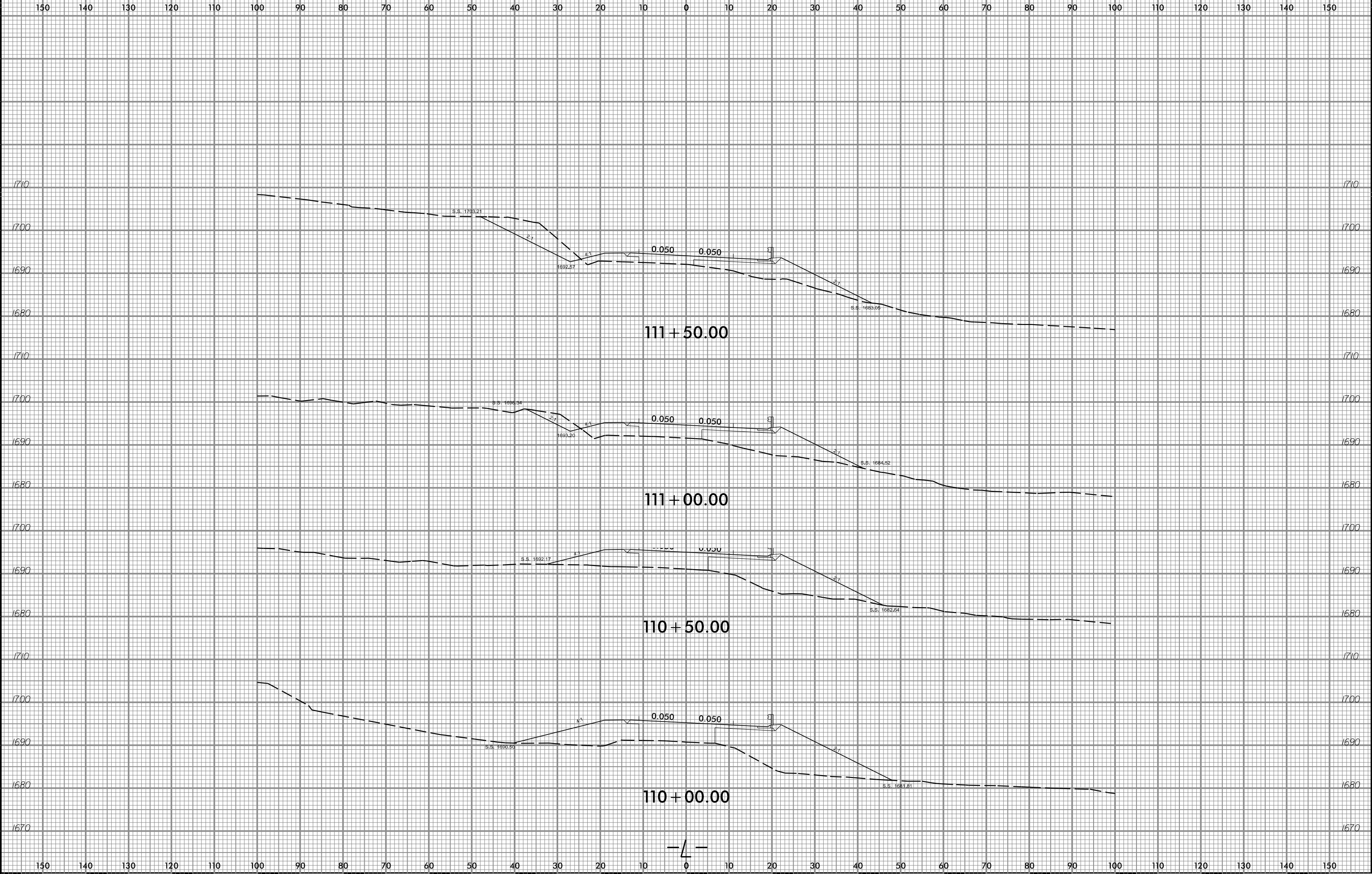


\$\$\$\$ SYSTEMS ENGINEERS \$\$\$

8/23/99



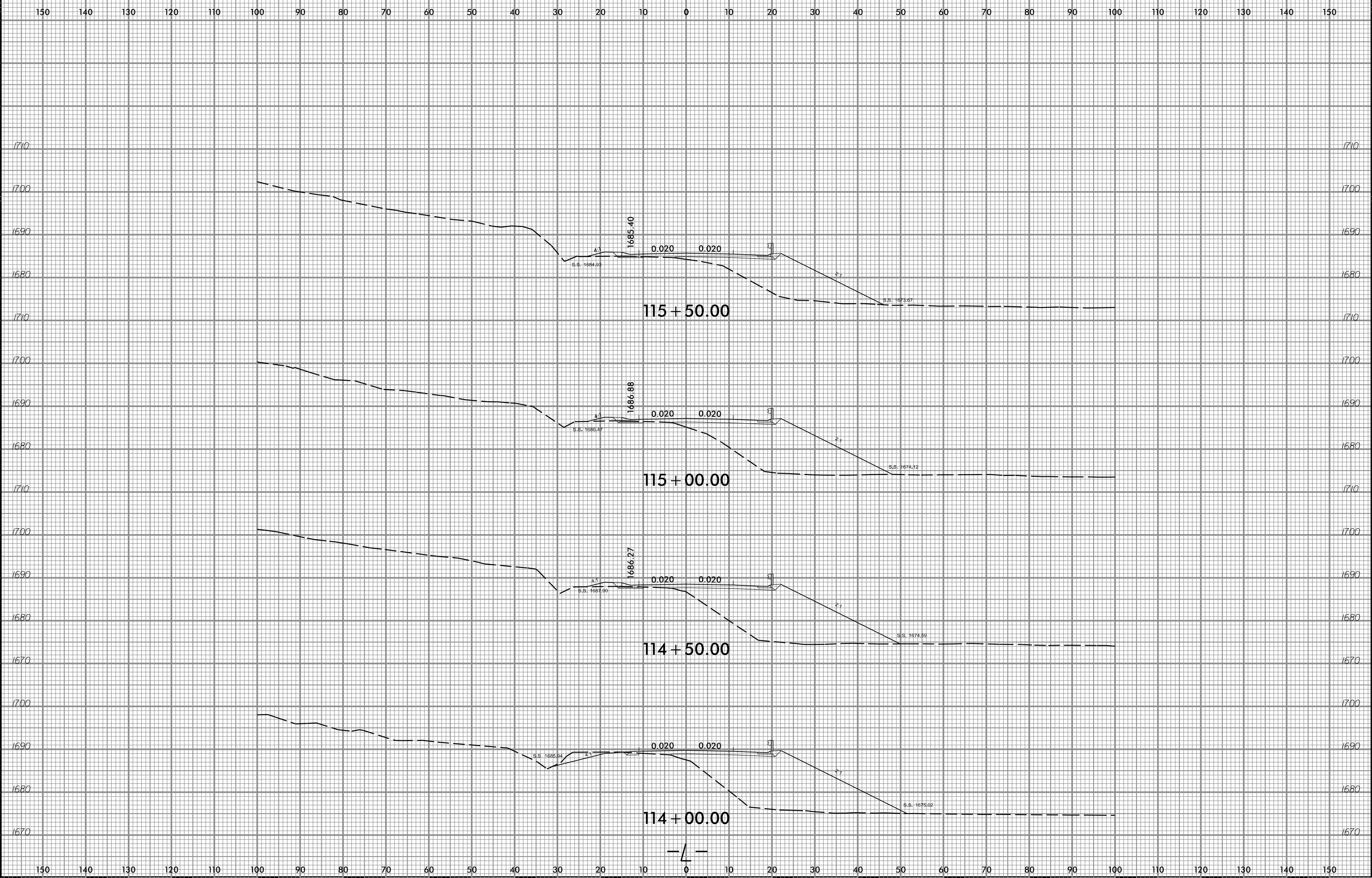
PROJ. REFERENCE NO. R-3622B SHEET NO. X-62



8/23/99



PROJ. REFERENCE NO. R-3622B SHEET NO. X-64



SYTIME\$\$\$\$
LORRIS
LORRIS

-L-

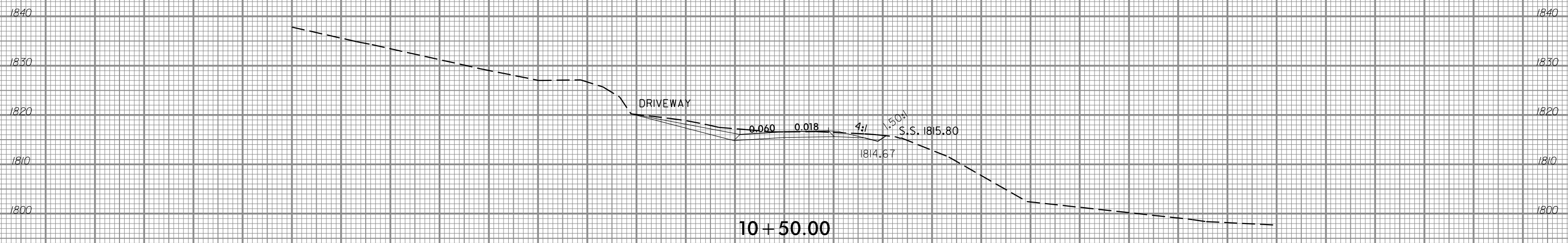
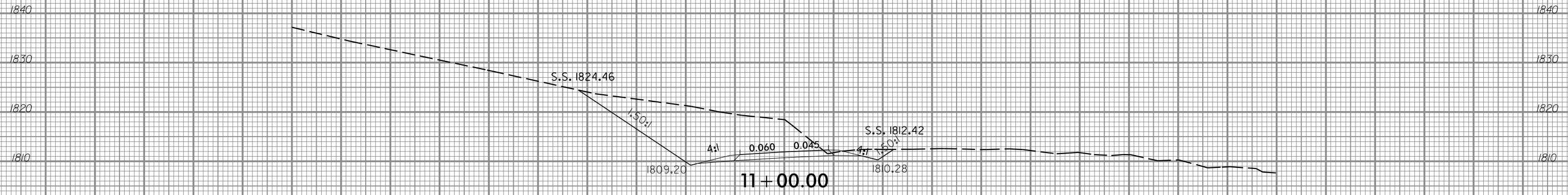
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-70

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



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 CONDITION SURVEY
DATE: 8/23/99
BY: [illegible]

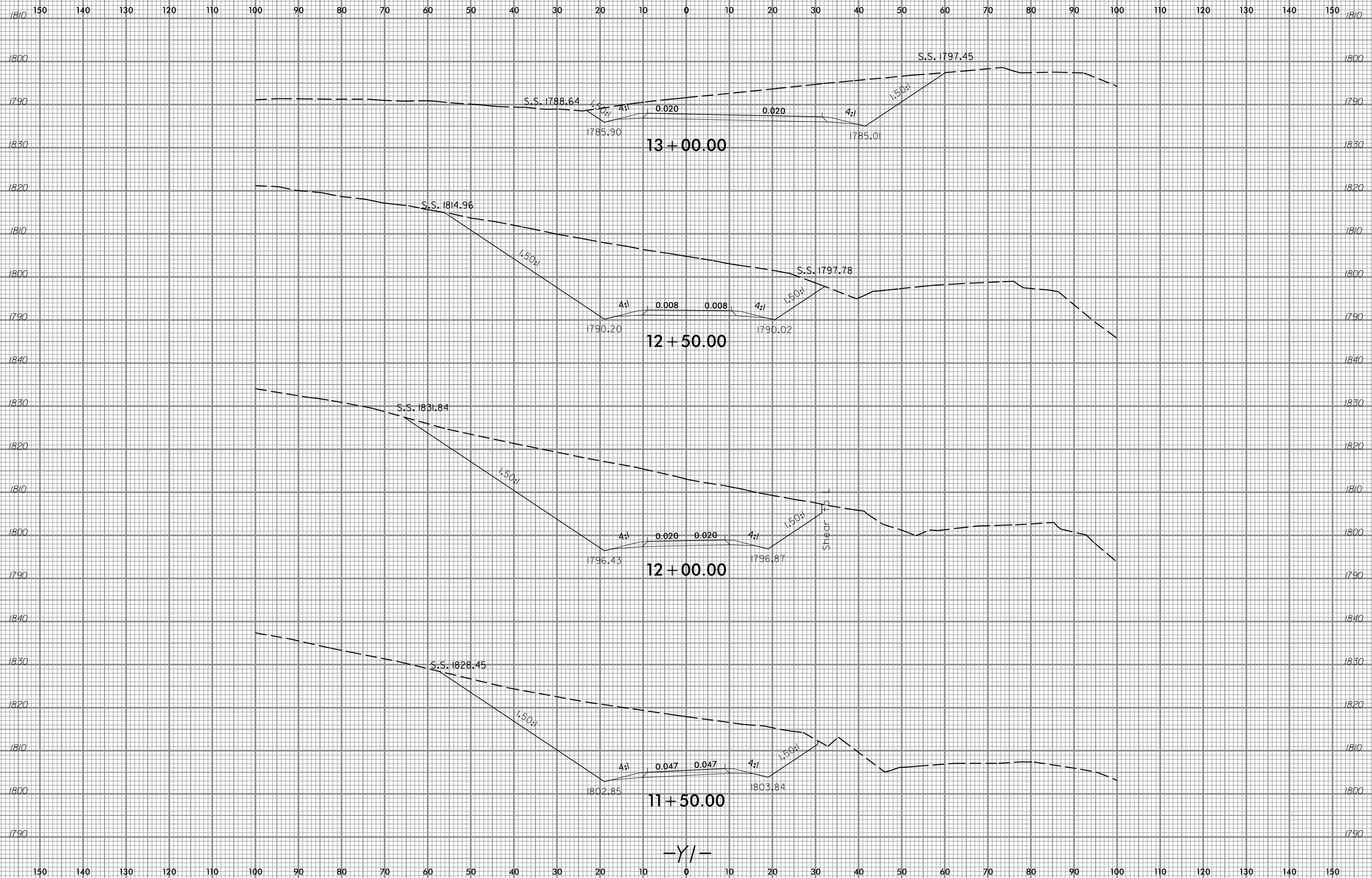
-Y/-

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-71



SYSTEMS CONDITION SURVEY

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-72

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

1810

1810

1800

1800

1790

1790

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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

SECTION
DATE
BY
SCALE

13+50.00

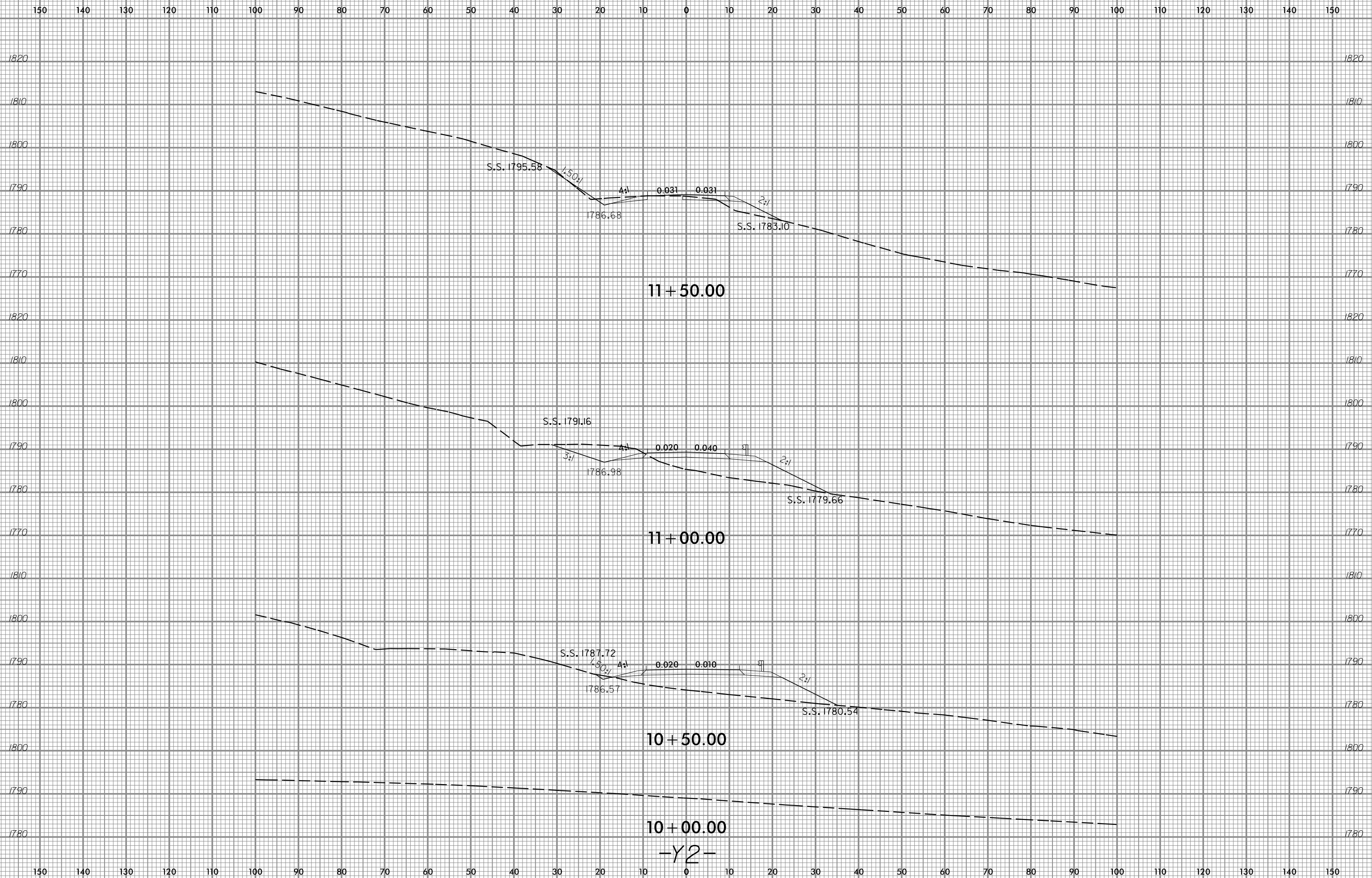
-Y/-

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-73



-Y2-

SYSTEM CONDITION SURVEY

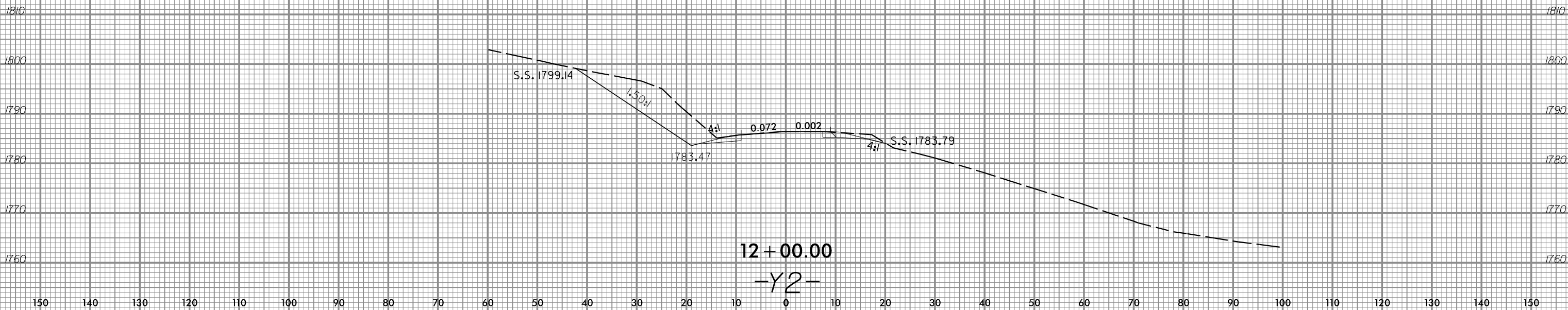
8/23/99



PROJ. REFERENCE NO.
R-3622B

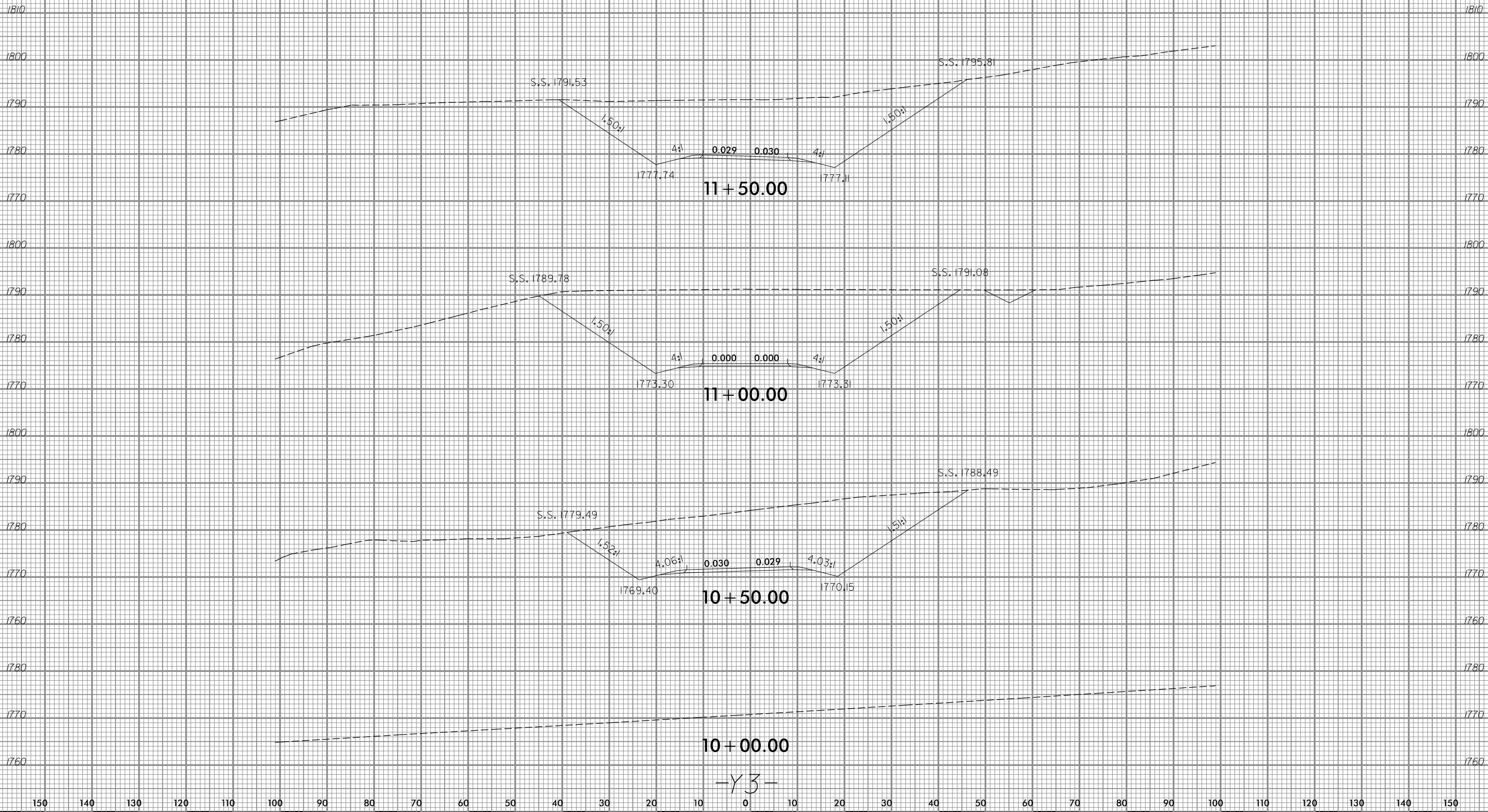
SHEET NO.
X-74

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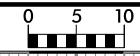


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



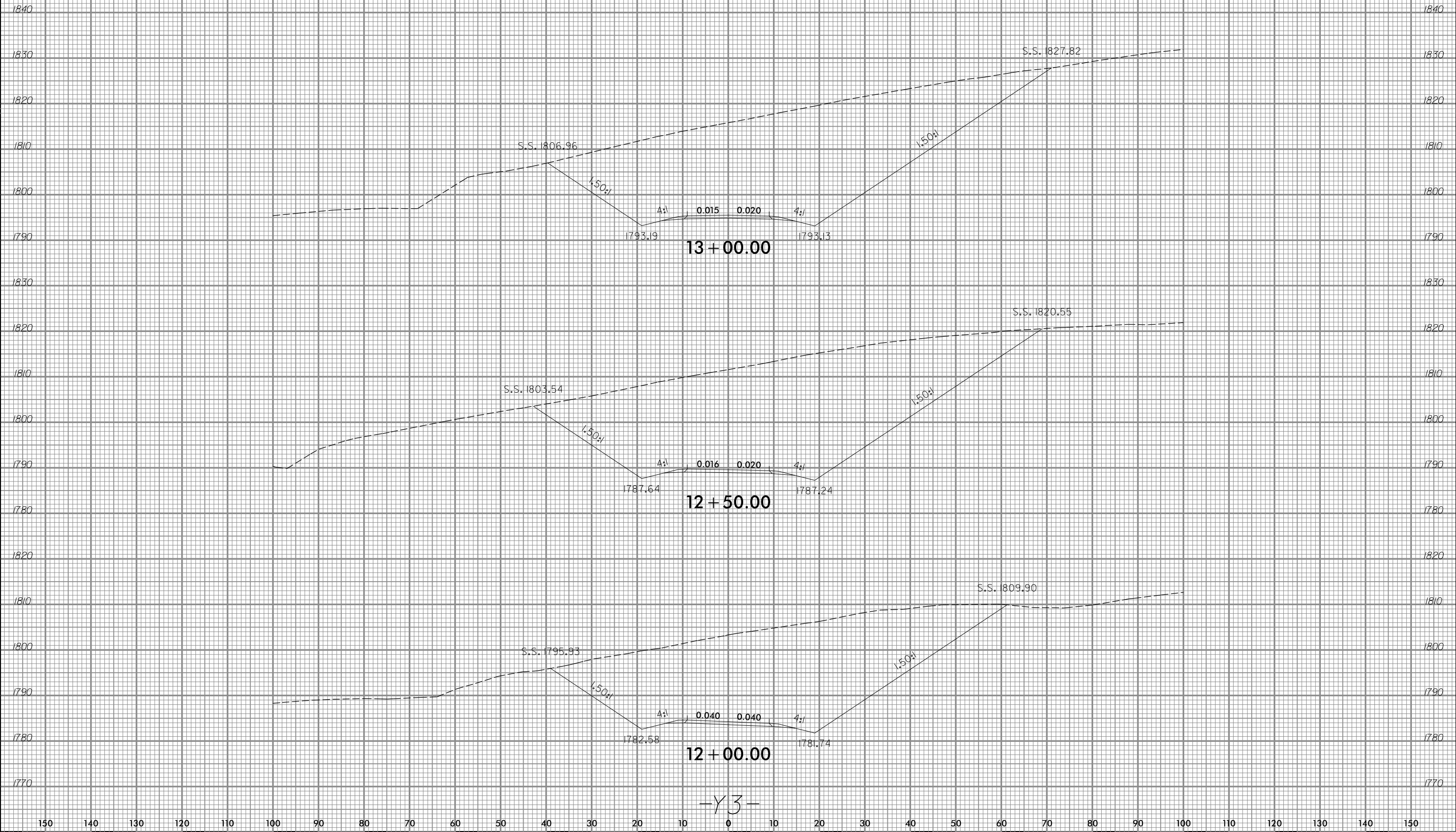
SYSTEMS
 CONSULTING
 ENGINEERS
 INC.

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-76

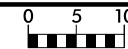
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-Y3-

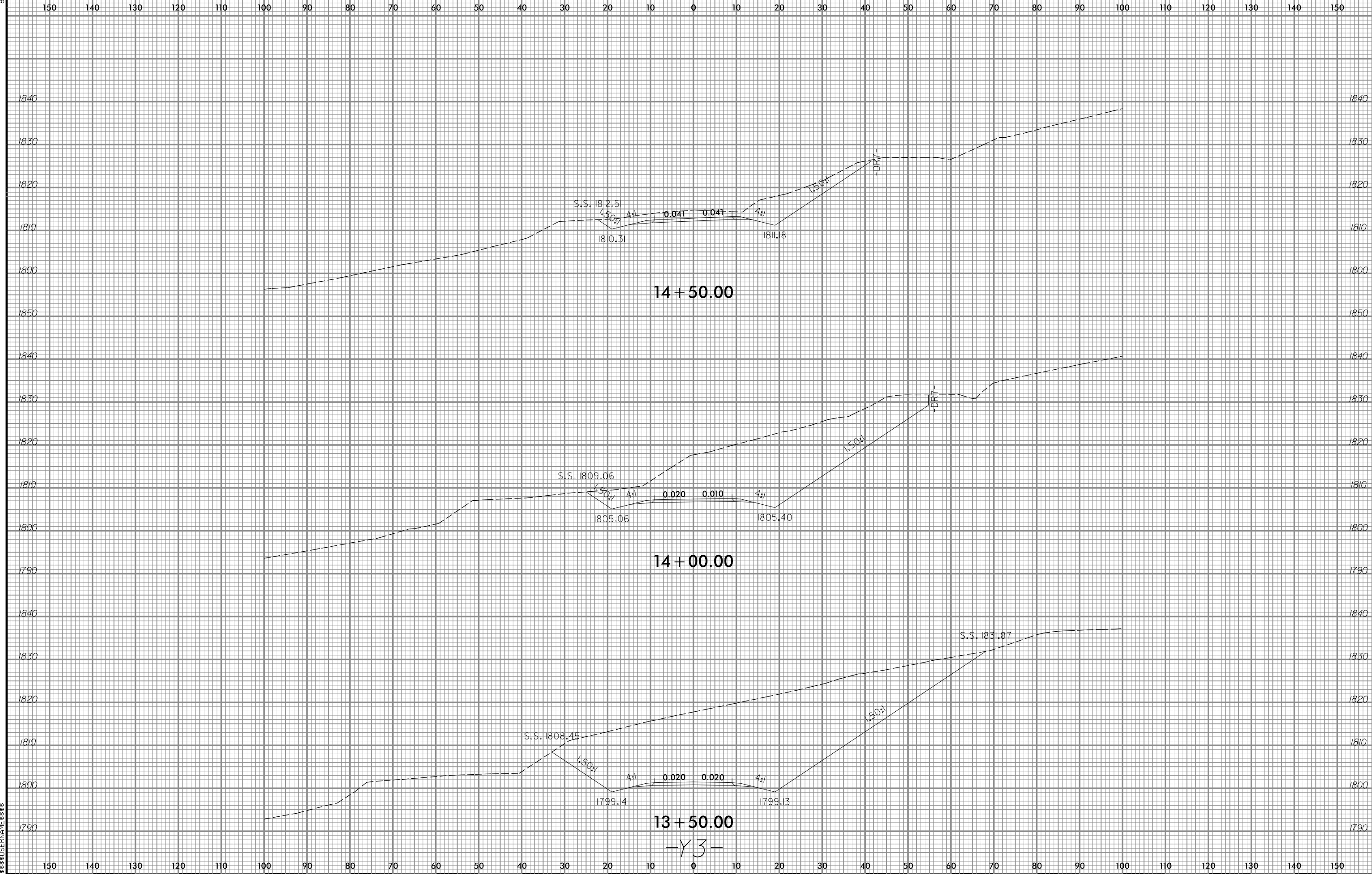
SYSTEMS
 DESIGN
 GROUP
 INC.
 1115 N. WILSON ST.
 SUITE 200
 DENVER, CO 80202
 TEL: (303) 733-8800
 FAX: (303) 733-8801
 WWW.SDG.COM

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-77



14 + 50.00

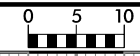
14 + 00.00

13 + 50.00

-Y3-

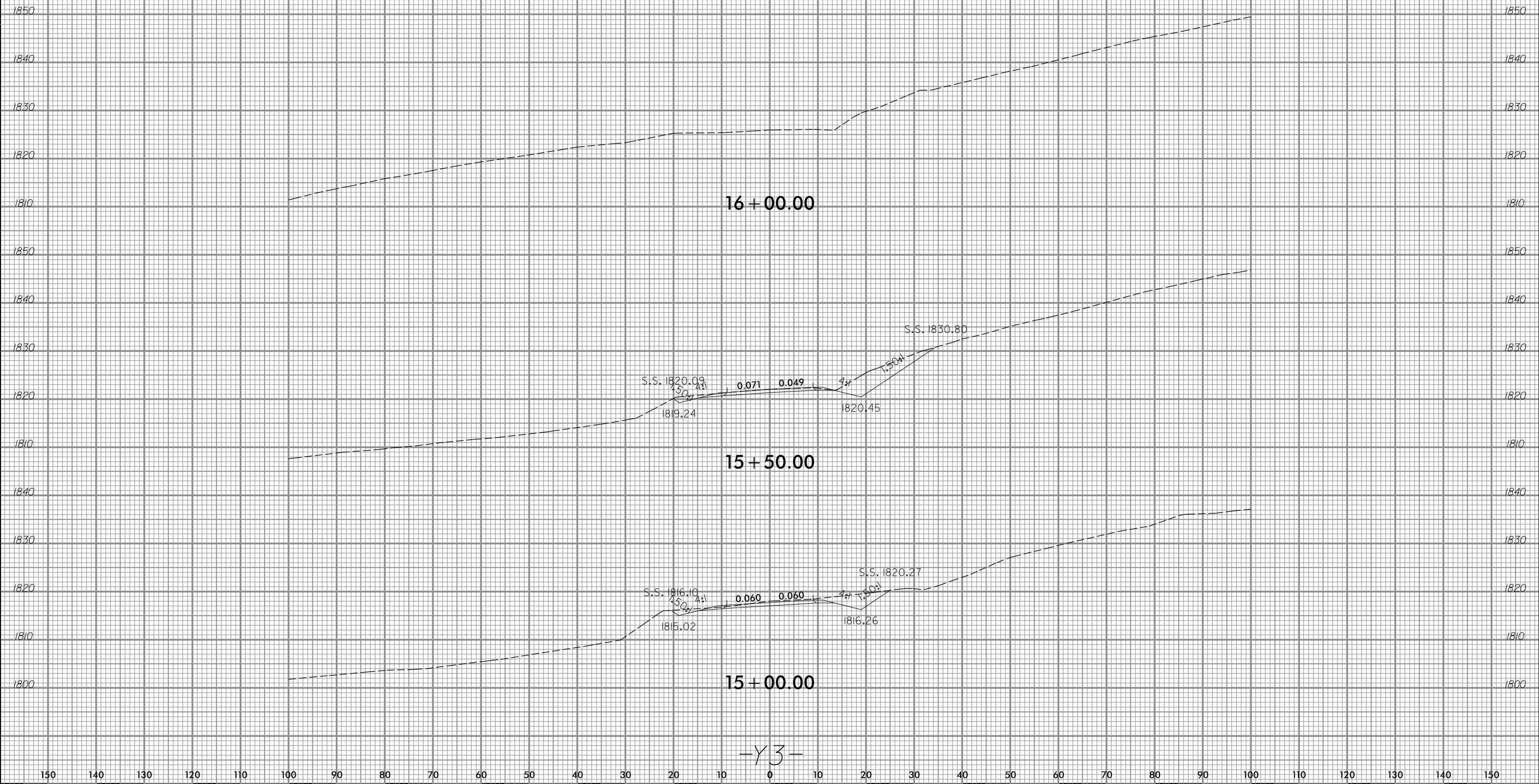
SYSTEMS
 DESIGN
 CONSULTANTS
 INC.
 1100
 W. 10th Street
 Oklahoma City, OK 73106
 Phone: (405) 241-2100
 Fax: (405) 241-2101
 WWW.SDCON.COM

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-78

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



-Y3-

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8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-79

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

1770 1770

1760 1760

1750 1750

1740 1740

1730 1730

12 + 00.00

1770 1770

1760 1760

1750 1750

1740 1740

11 + 50.00

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1740 1740

11 + 00.00

1730 1730

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10 + 50.00

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1740 1740

10 + 00.00

1730 1730

1720 1720

-Y4-

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

SEE X-SECTIONS FOR
-L- STA. 90+50.00

SEE X-SECTIONS FOR
-L- STA. 89+50.00

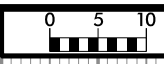
0.041 0.041

6:1 0.040 0.034 4:1 150:1
S.S. 1737.92 1737.08 S.S. 1737.82

6:1 0.040 0.006 3:1
S.S. 1734.20 S.S. 1734.02

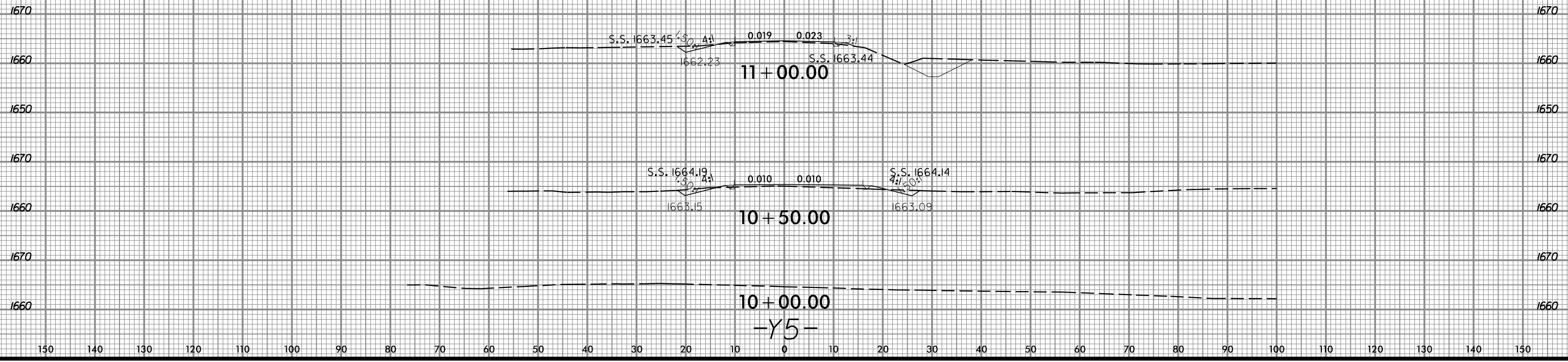
SYSTEM CONDITION SURVEY
BY
DATE

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-3622B	X-80

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
CORPORATION
1000
SUNNYVALE, CA

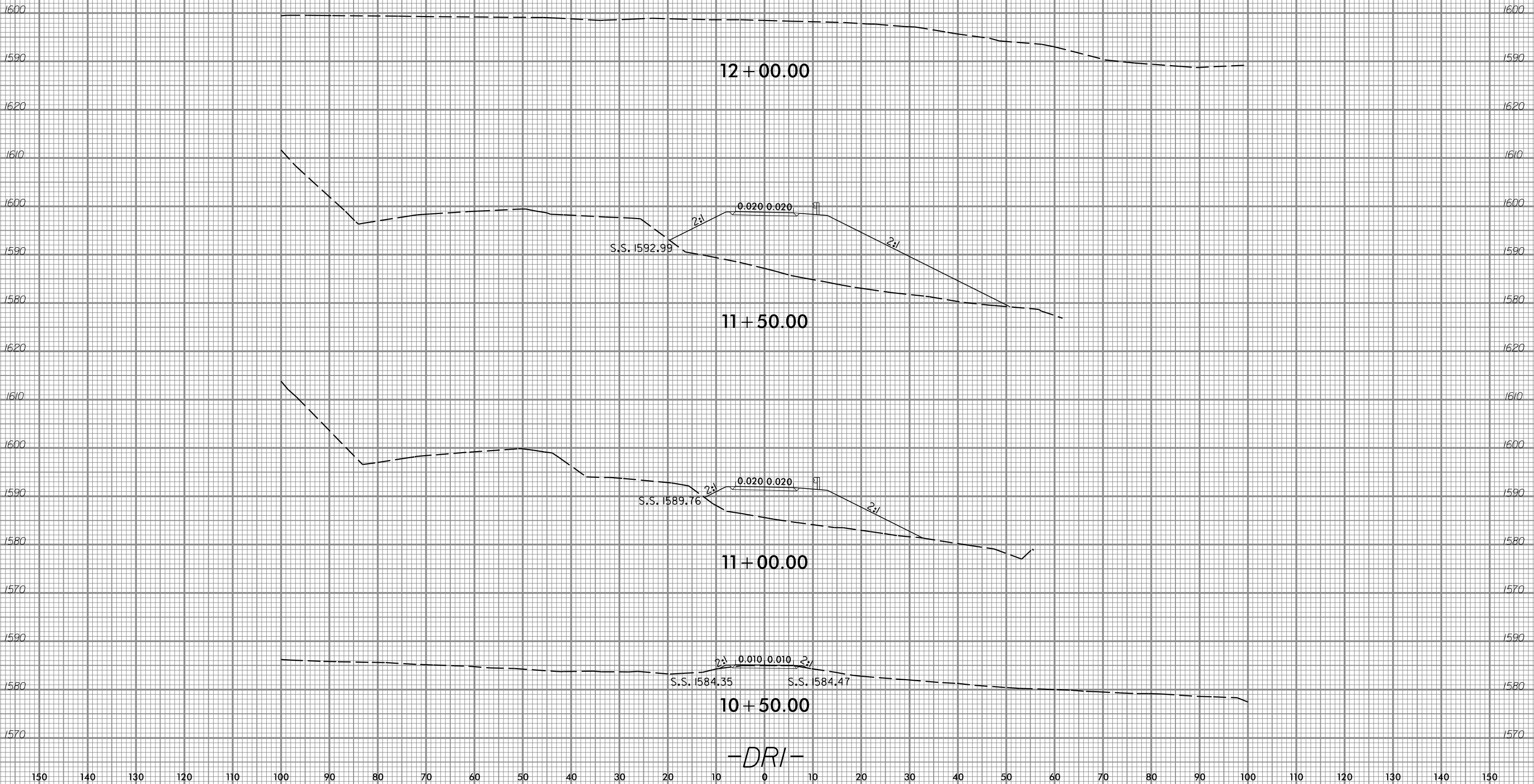
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-81

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 CONDITION SURVEY

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

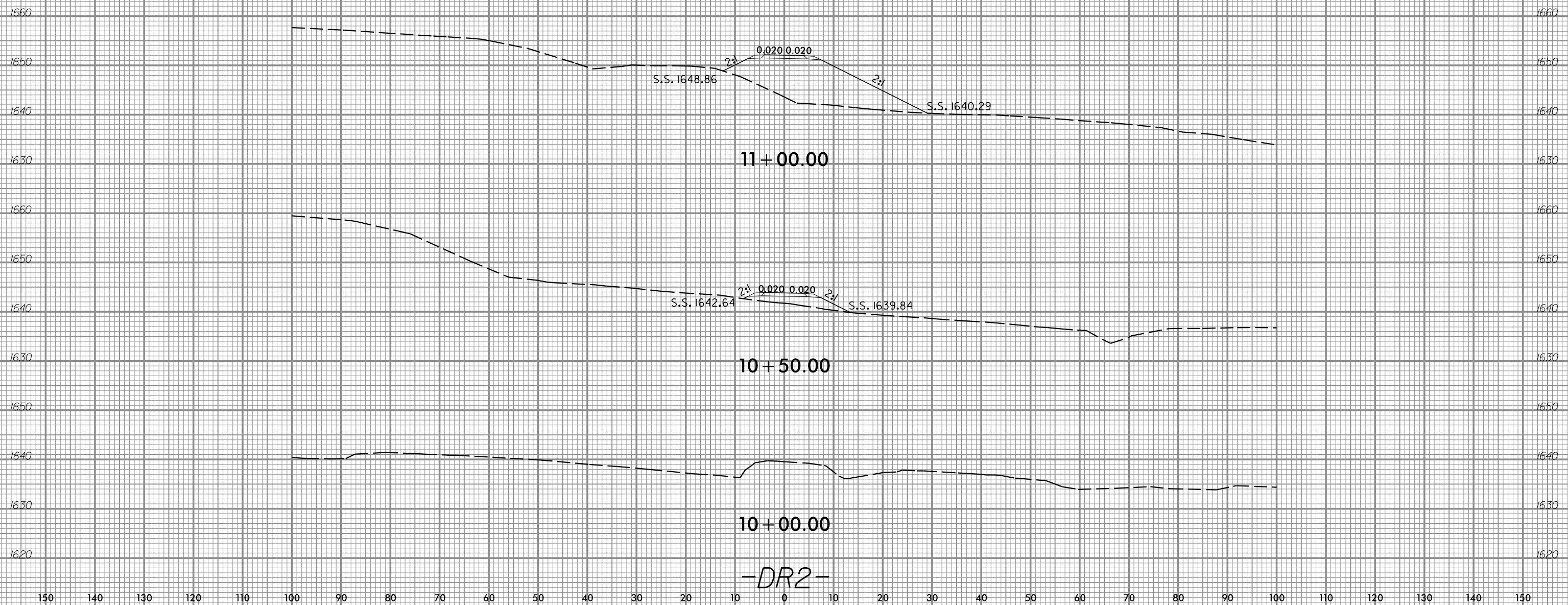
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-82

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



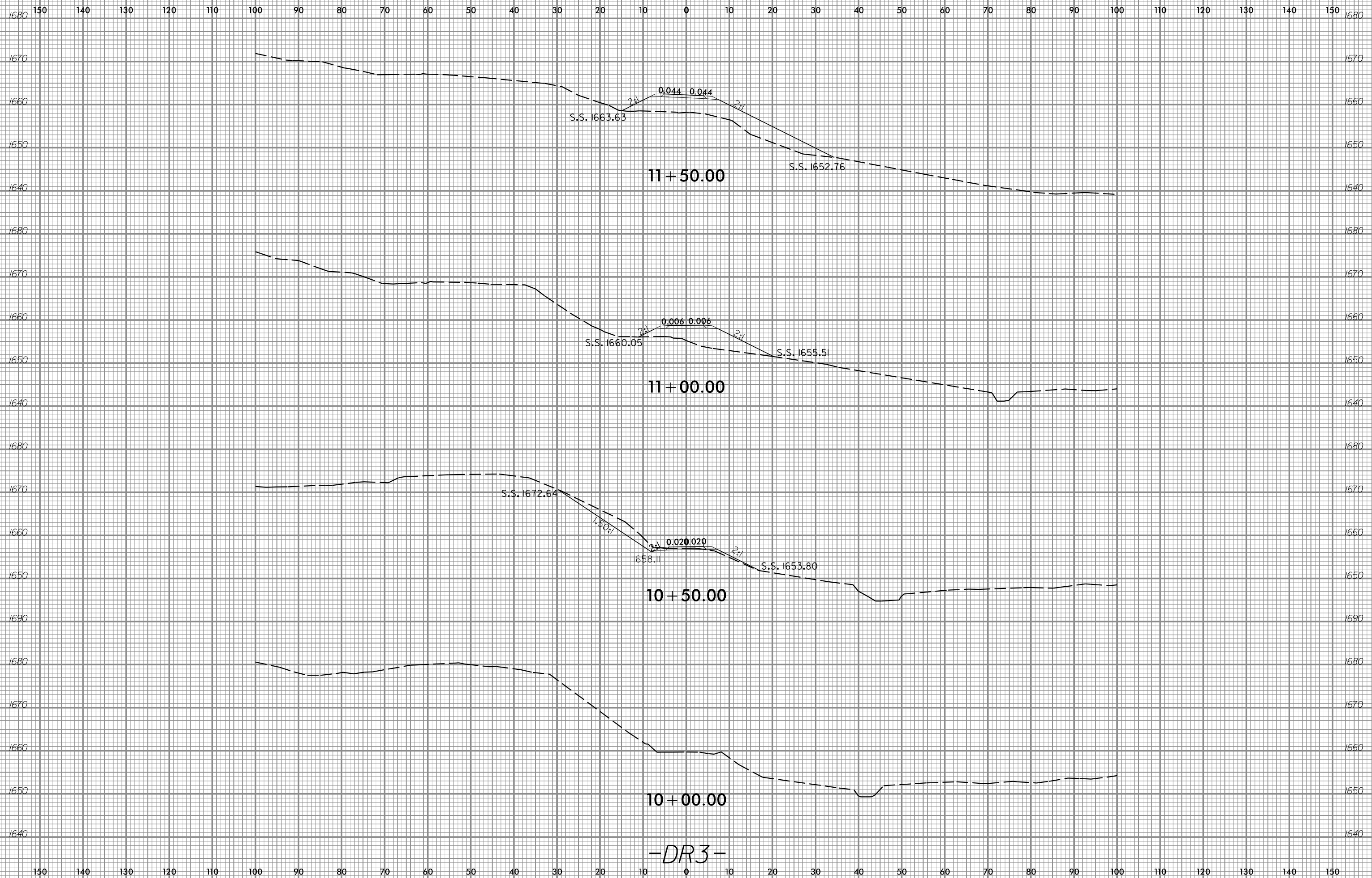
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8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-83



-DR3-

SYSTEM CONDITION
REPAIR
MAINTENANCE

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

1680 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 1680

1670 1670

1660 1660

1650 1650

1640 1640

1680 1680

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1670 1670

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1690 1690

1680 1680

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1660 1660

1650 1650

1640 1640

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-84

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

1800 1800

1790 1790

1780 1780

1770 1770

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1790 1790

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1800 1800

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1790 1790

1780 1780

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

S.S. 1774.98
1773.80
12 + 00.00
1772.73
S.S. 1773.77

S.S. 1779.12
1777.85
11 + 50.00
1777.43
S.S. 1778.31

S.S. 1782.07
1781.29
11 + 00.00
1781.29
S.S. 1785.39

S.S. 1783.94
1783.07
10 + 50.00
1783.07
S.S. 1794.16

10 + 09.49

-DR4-

SYSTEM CONDITION SURVEY
DATE: 8/23/99
BY: [illegible]

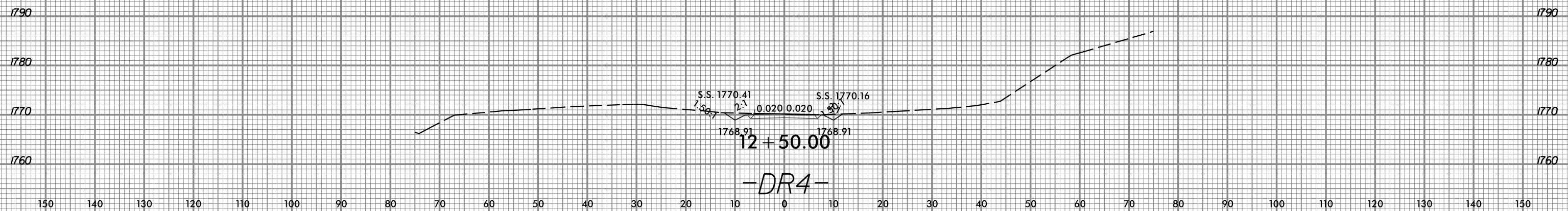
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-85

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
CORPORATION
PLANNING
ENGINEERING
ARCHITECTURE
CONSULTANTS

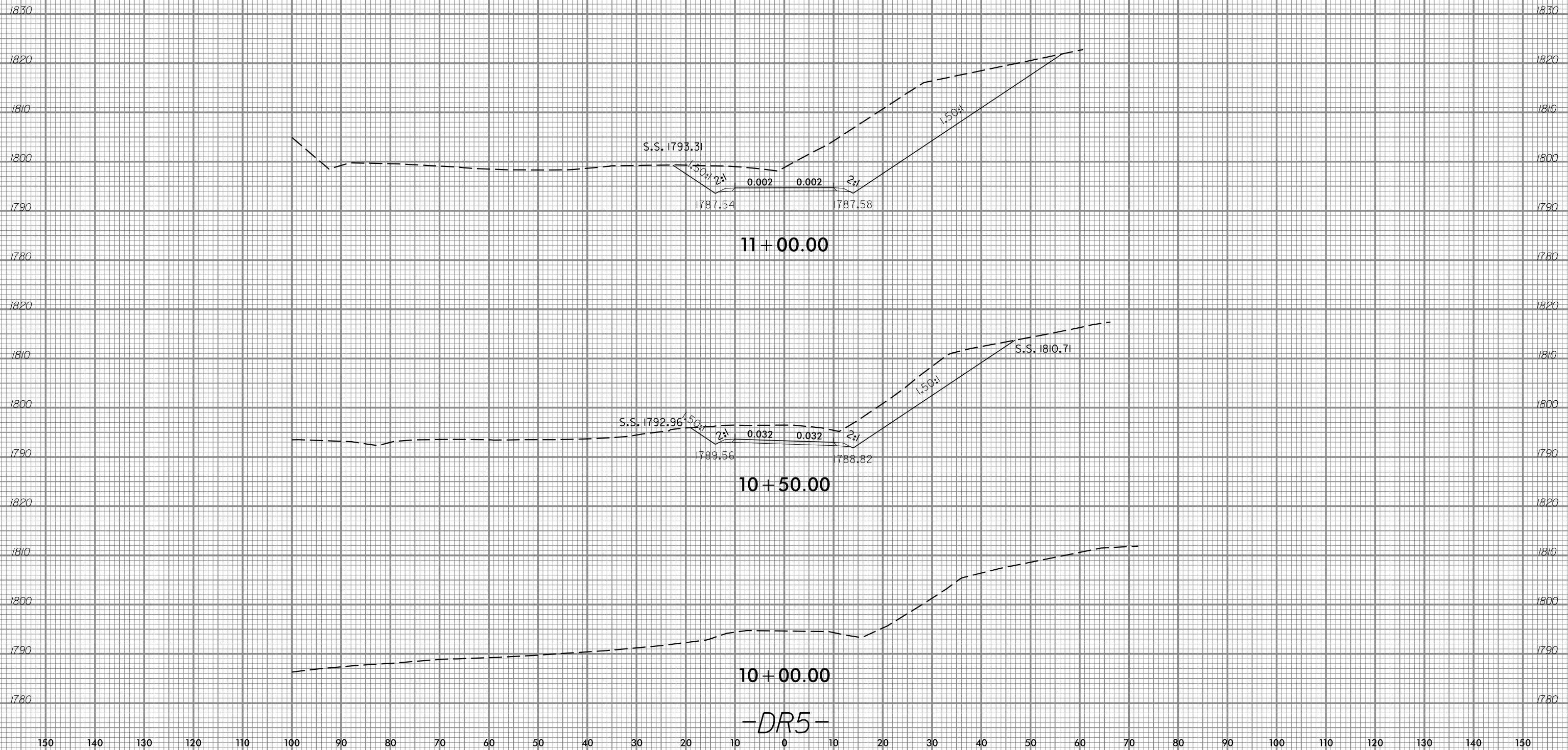
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-86

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-

SYSTEM CONDITION SURVEY

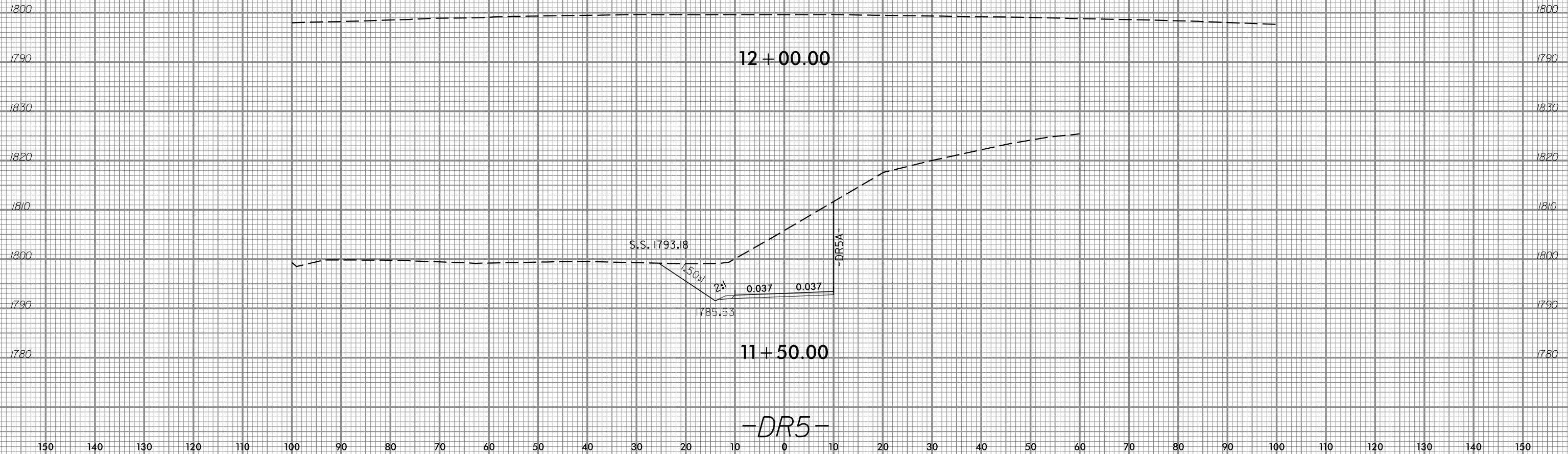
8/23/99



PROJ. REFERENCE NO.
R-3622B

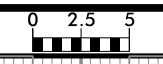
SHEET NO.
X-87

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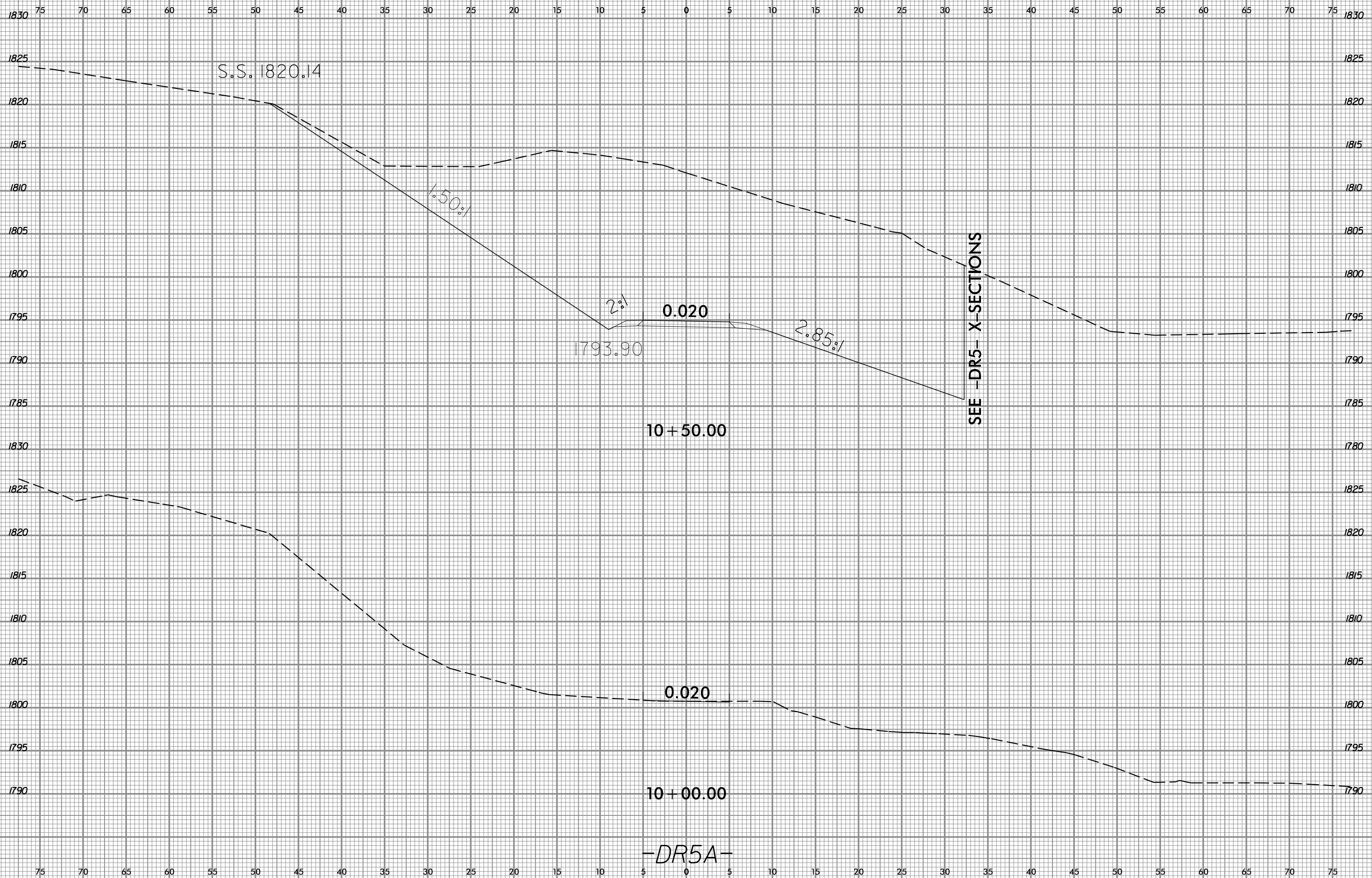
SYSTEM CONDITION SURVEY
DATE: 8/23/99

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-88



S.S. 1820.14

1.50%

2%

0.020

2.85%

1793.90

SEE -DR5- X-SECTIONS

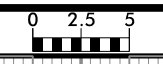
10 + 50.00

10 + 00.00

-DR5A-

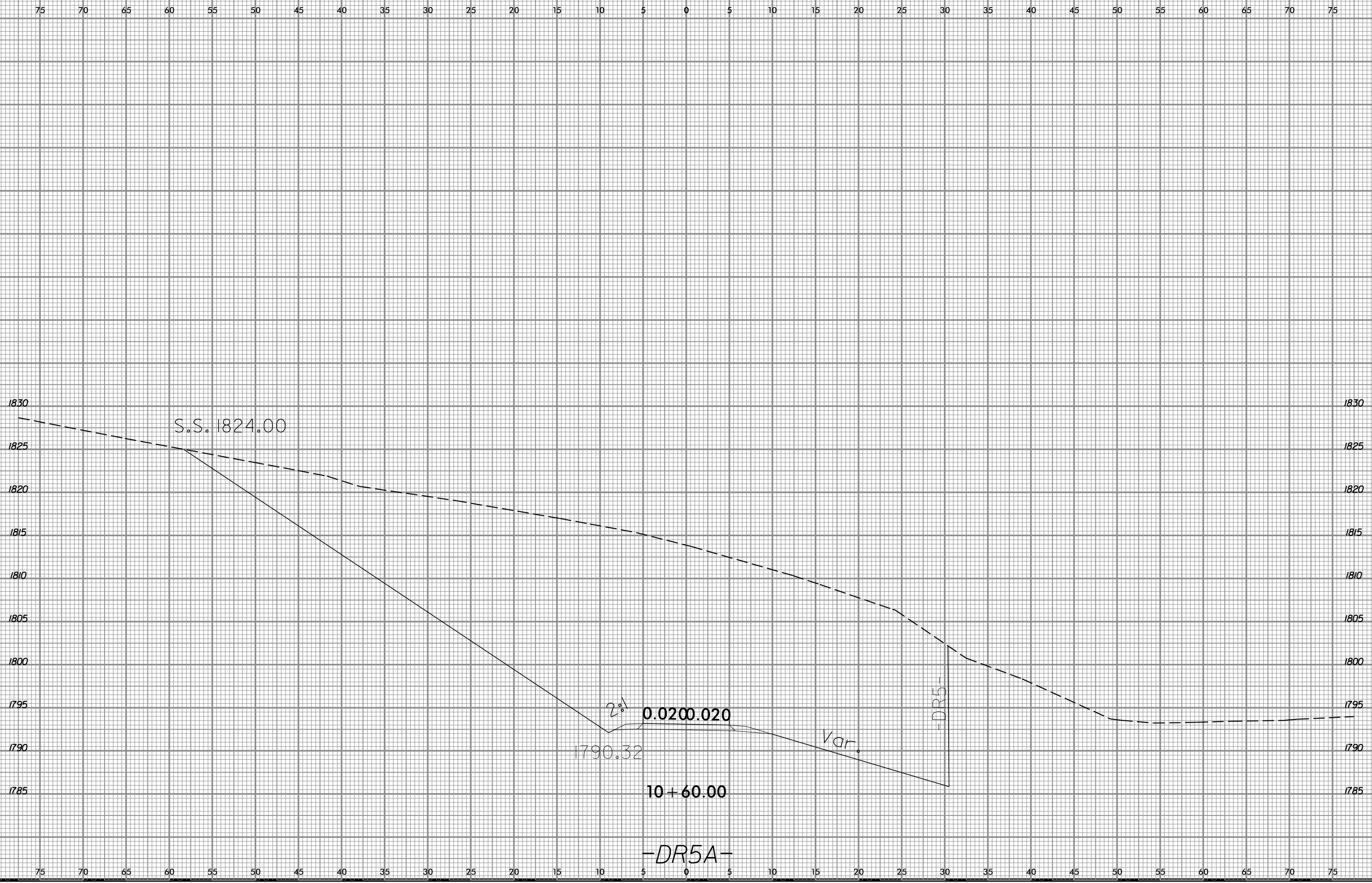
SYSTEM CONDITION
REVISIONS
DATE
BY
APP
CHECKED
DATE

8/23/99



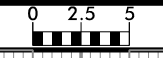
PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-89



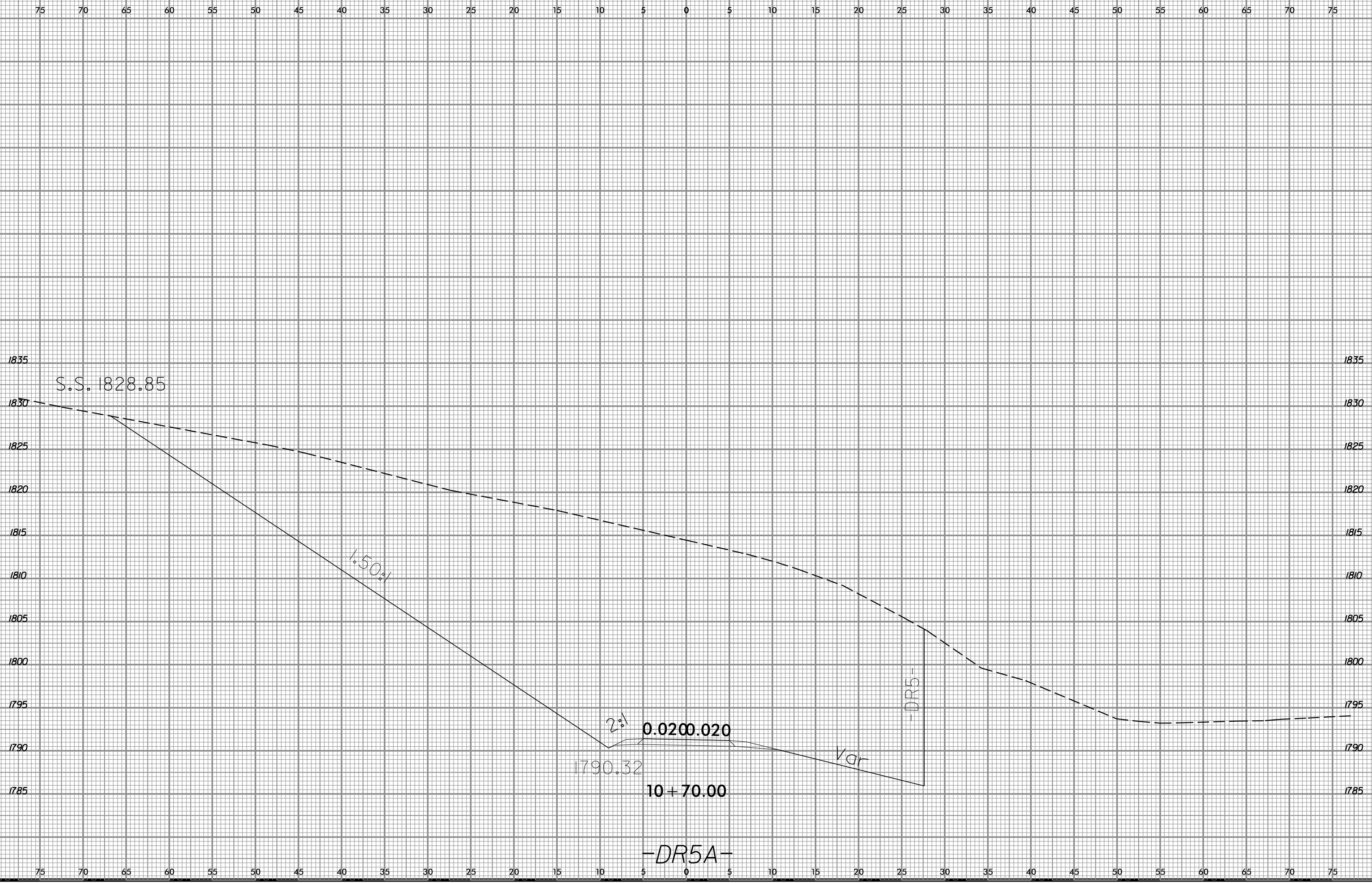
SYTIME
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8/23/99

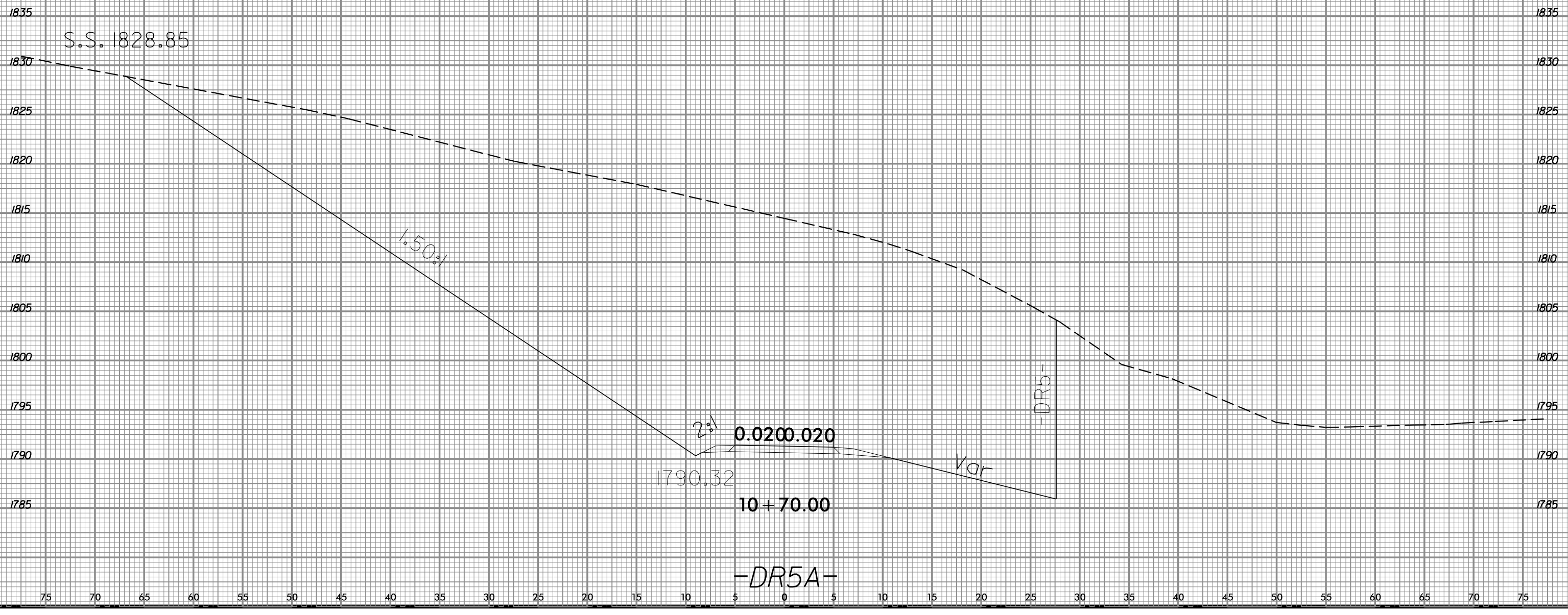


PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-90



SYSTEM CONDITION
SURFACE
UTILITY
ELEVATION

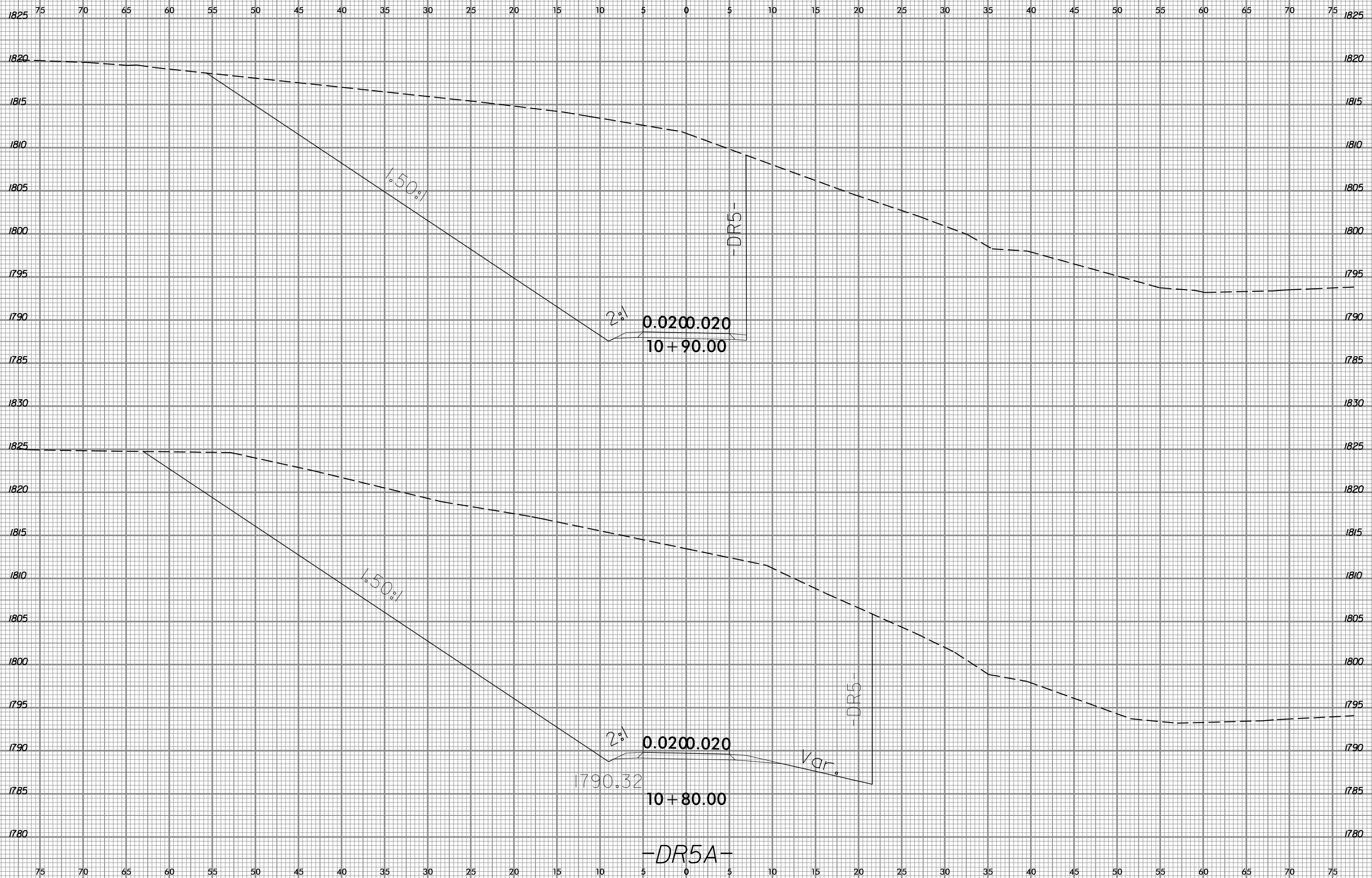


8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-91



SYSTEM CONDITION SURVEY

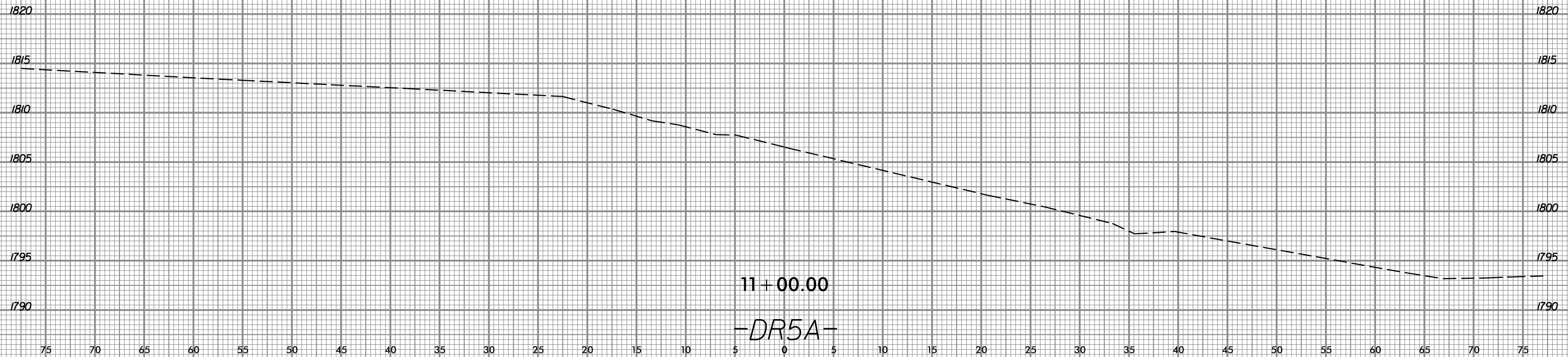
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-92

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

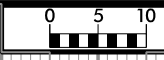


11+00.00

-DR5A-

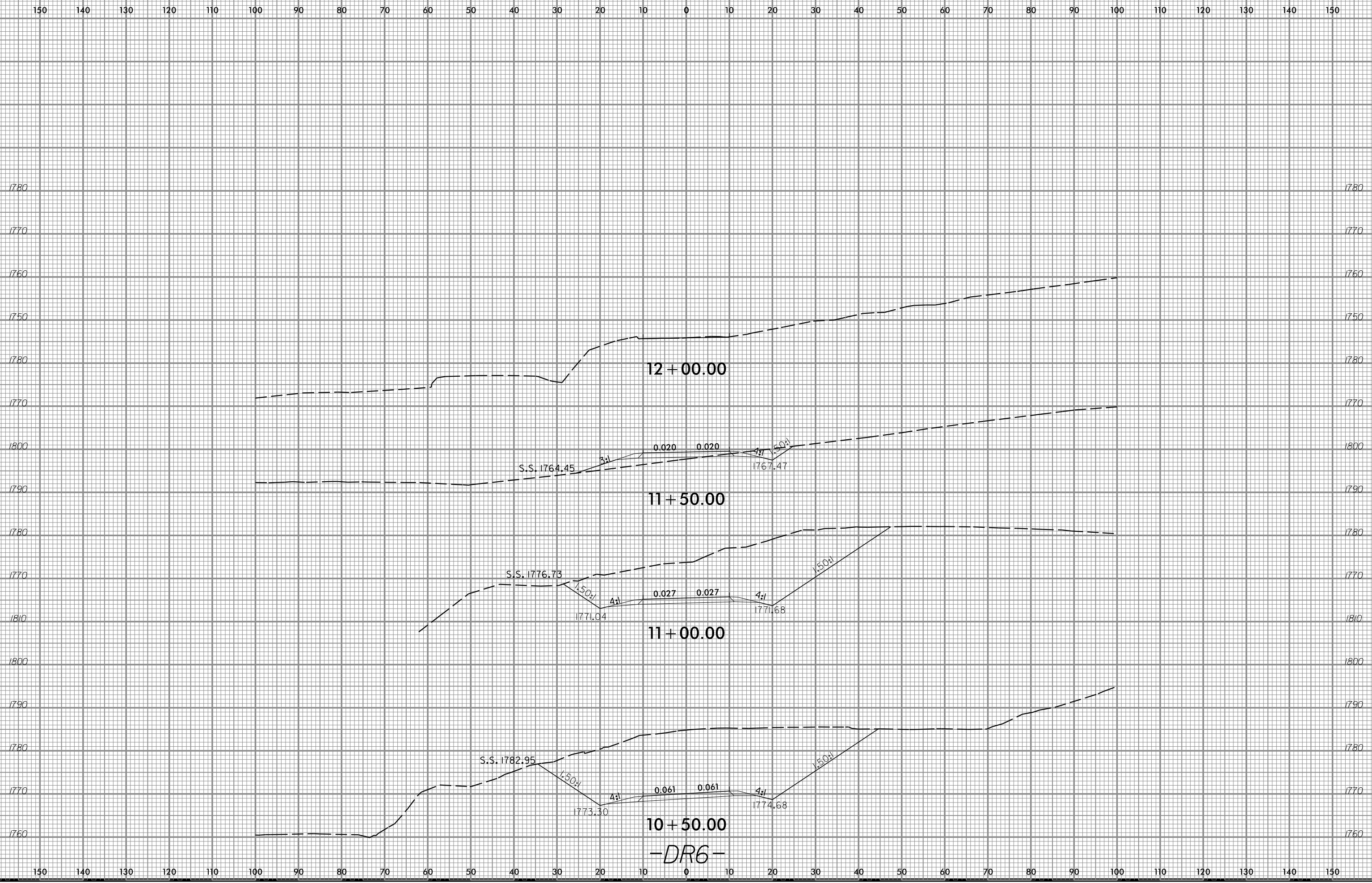
SECTION CONDITION SURFACE

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-93



SYSTEMS
CONSTRUCTION
CORPORATION
1000 W. 10th St.
Tulsa, Oklahoma 74103
Tel: (918) 438-1111
Fax: (918) 438-1112

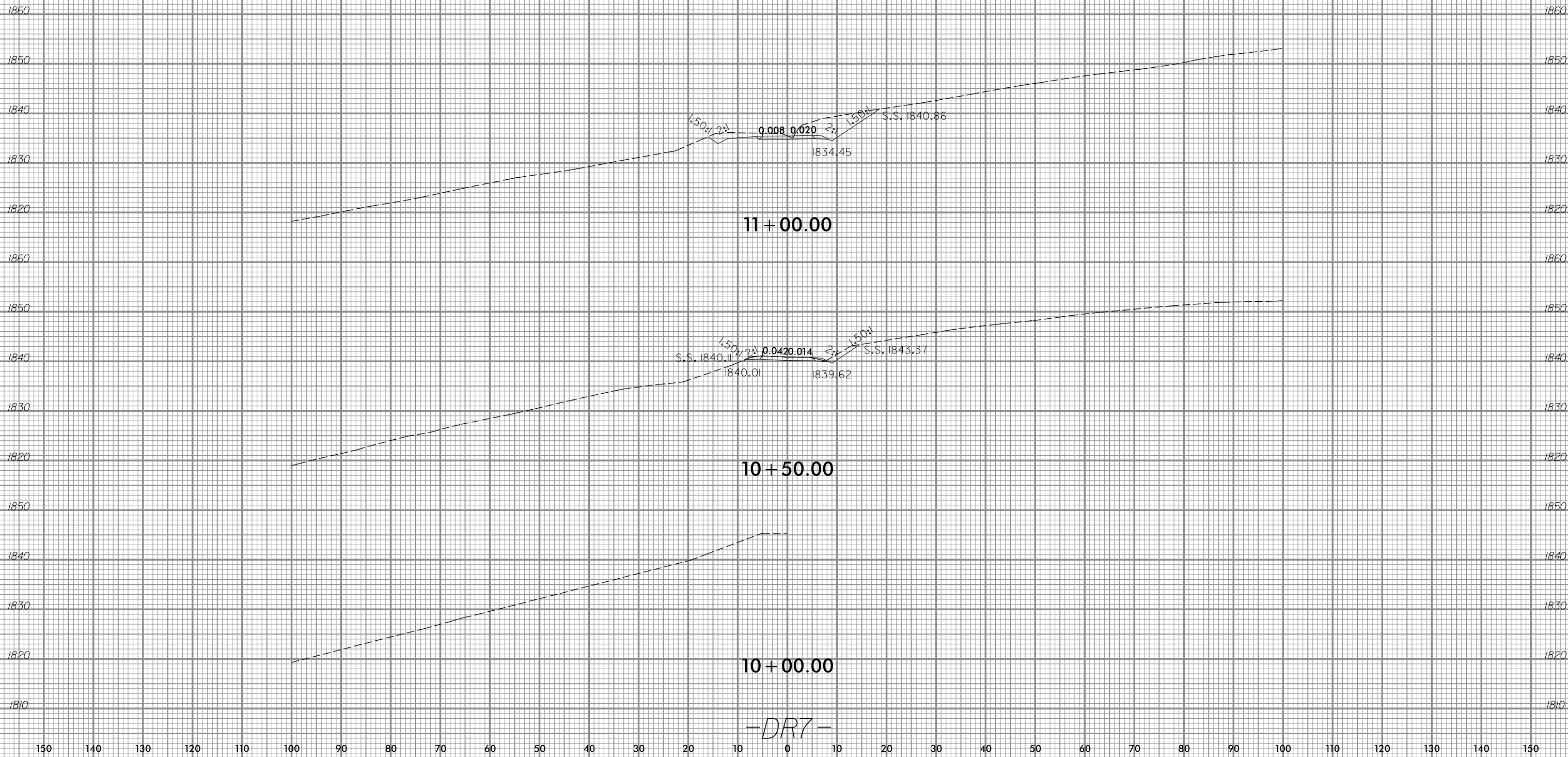
12 + 00.00
11 + 50.00
11 + 00.00
10 + 50.00
-DR6-

8/23/99



PROJ. REFERENCE NO. R-3622B	SHEET NO. X-94
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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
SHEET
NO
DATE
DRAWN
BY
CHECKED
BY
DATE

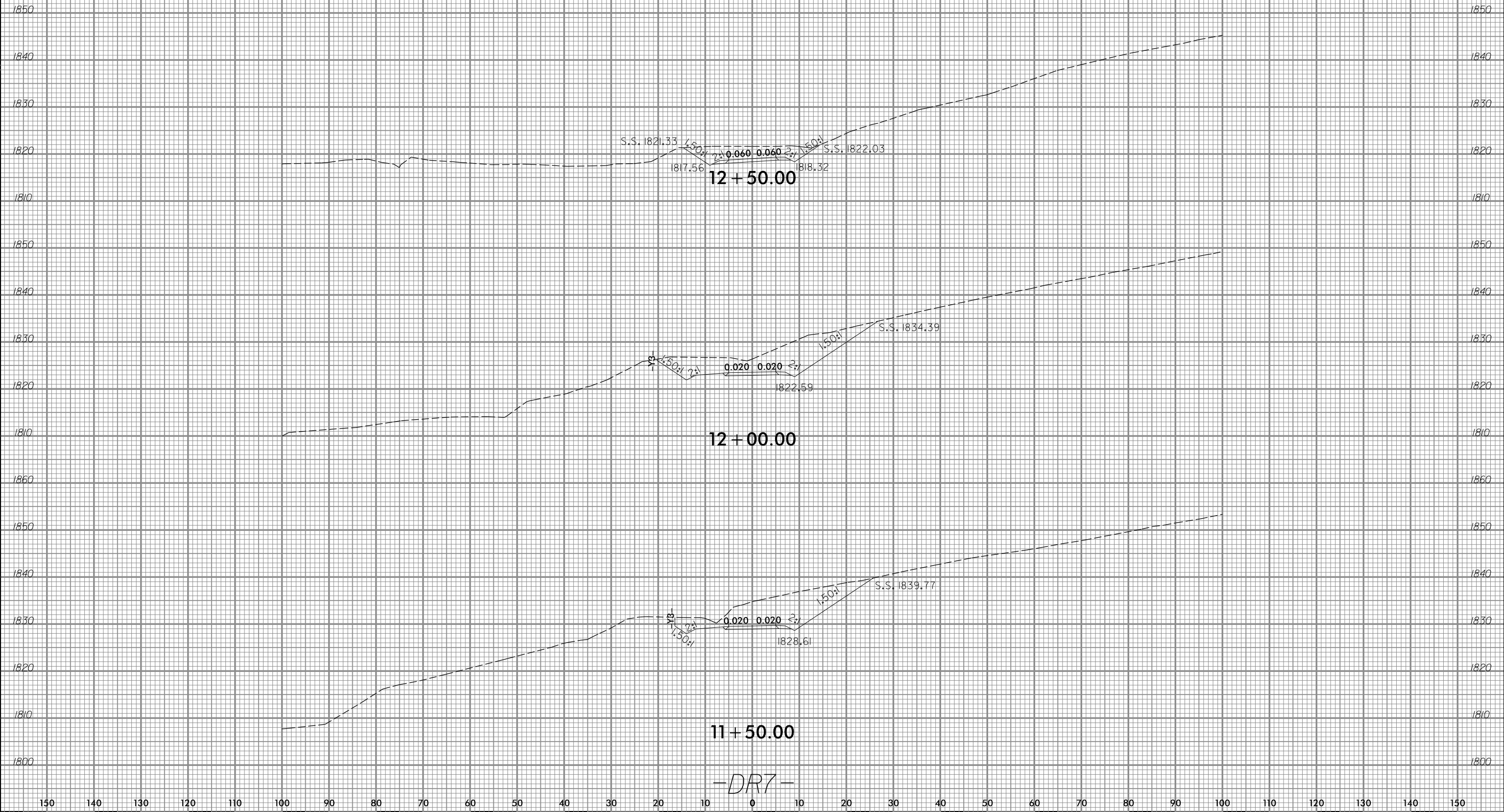
-DR7-

8/23/99



PROJ. REFERENCE NO. R-3622B	SHEET NO. X-95
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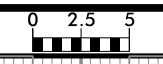
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8/23/99
 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
 1850 1840 1830 1820 1810 1800

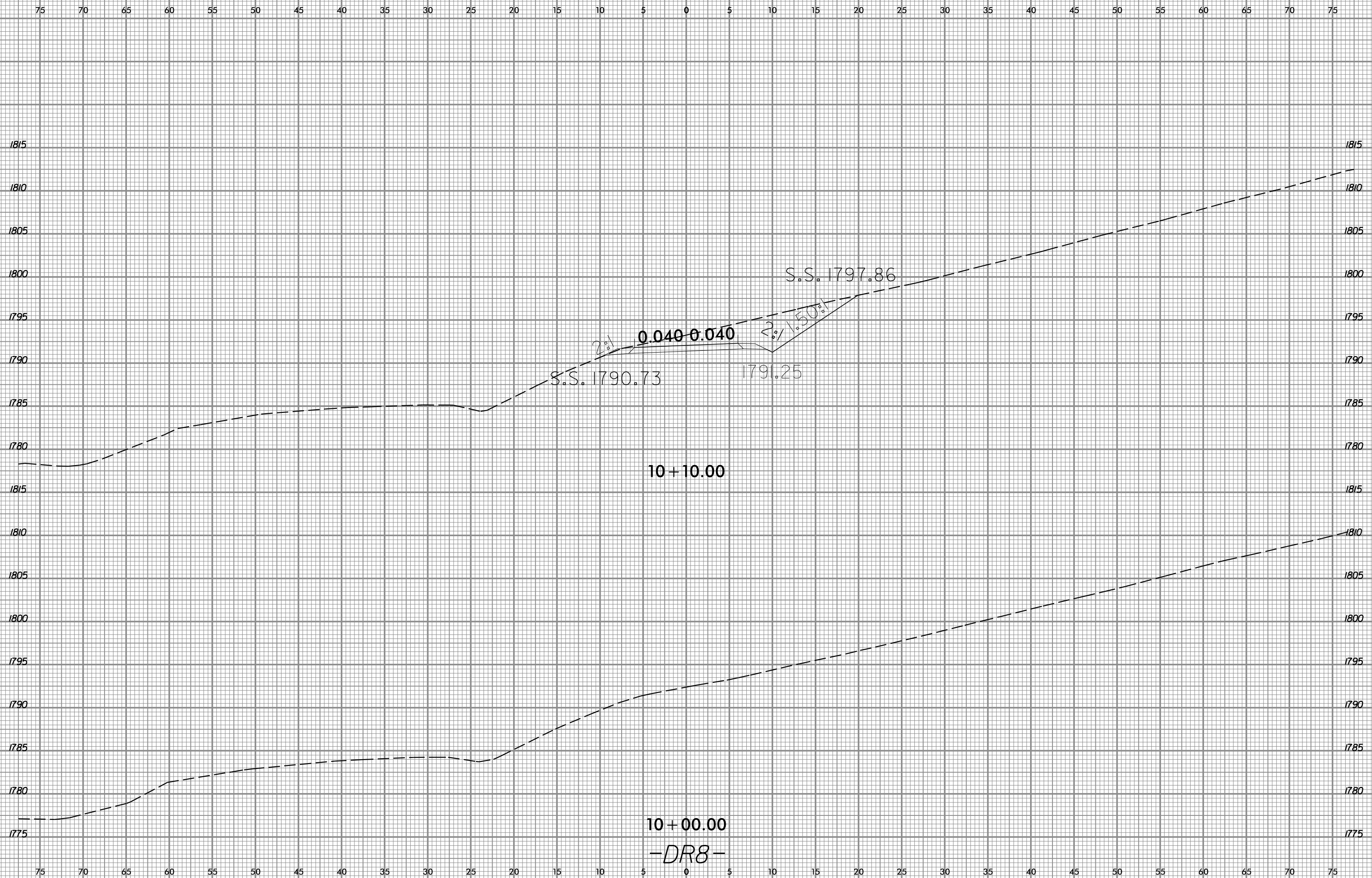
-DR7-

8/23/99



PROJ. REFERENCE NO.
R-3622B

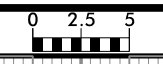
SHEET NO.
X-96



SYSTEM CONDITION
REPAIR
MAINTENANCE

10+00.00
-DR8-

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-97



10+30.00

10+20.00

-DR8-

S.S. 1792.52

S.S. 1800.81

S.S. 1799.07

0.040 0.040

0.040 0.040

2:1

1.50:1

1.50:1

1791.84

1792.44

1792.42

1820

1815

1810

1805

1800

1795

1790

1785

1780

1815

1810

1805

1800

1795

1790

1785

1780

1775

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1805

1800

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1790

1785

1780

1815

1810

1805

1800

1795

1790

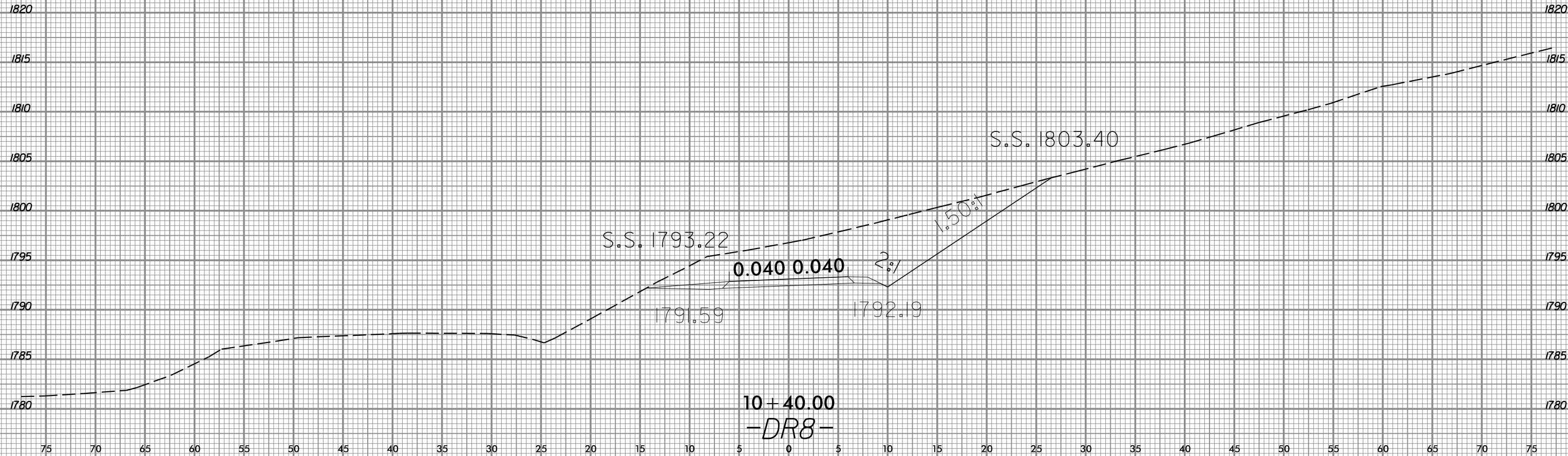
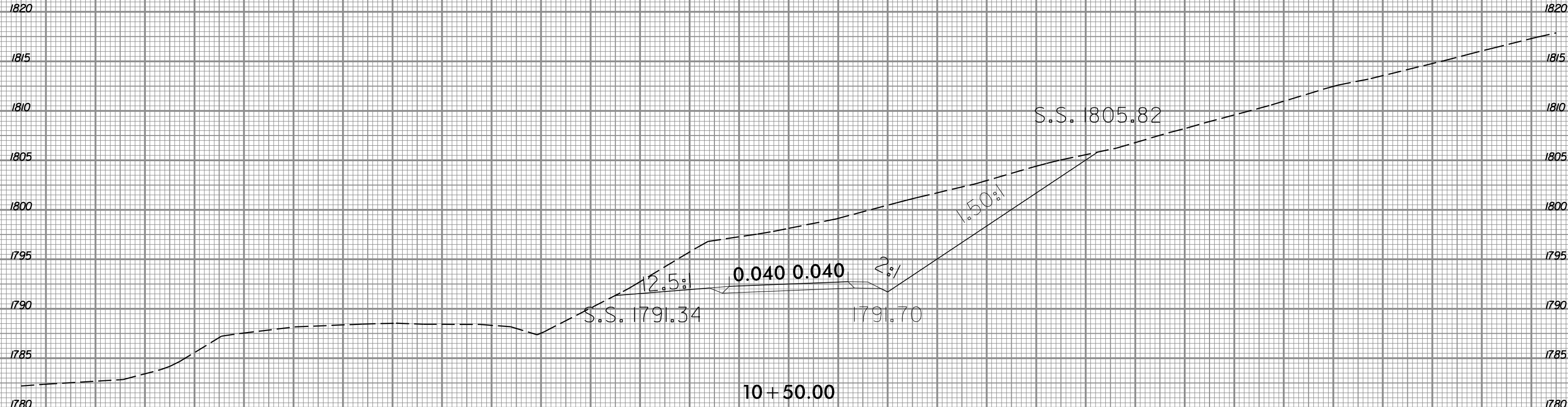
1785

1780

1775

SYSTEM CONDITION
 ALL INFORMATION
 IS UNCLASSIFIED
 DATE 08/23/99 BY
 60322/UC/BAW/STP

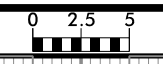
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



SYDNEY C. COOPER & ASSOCIATES, INC.
3020 S. W. 56th AVE.
MIAMI, FL 33143
(305) 837-0888

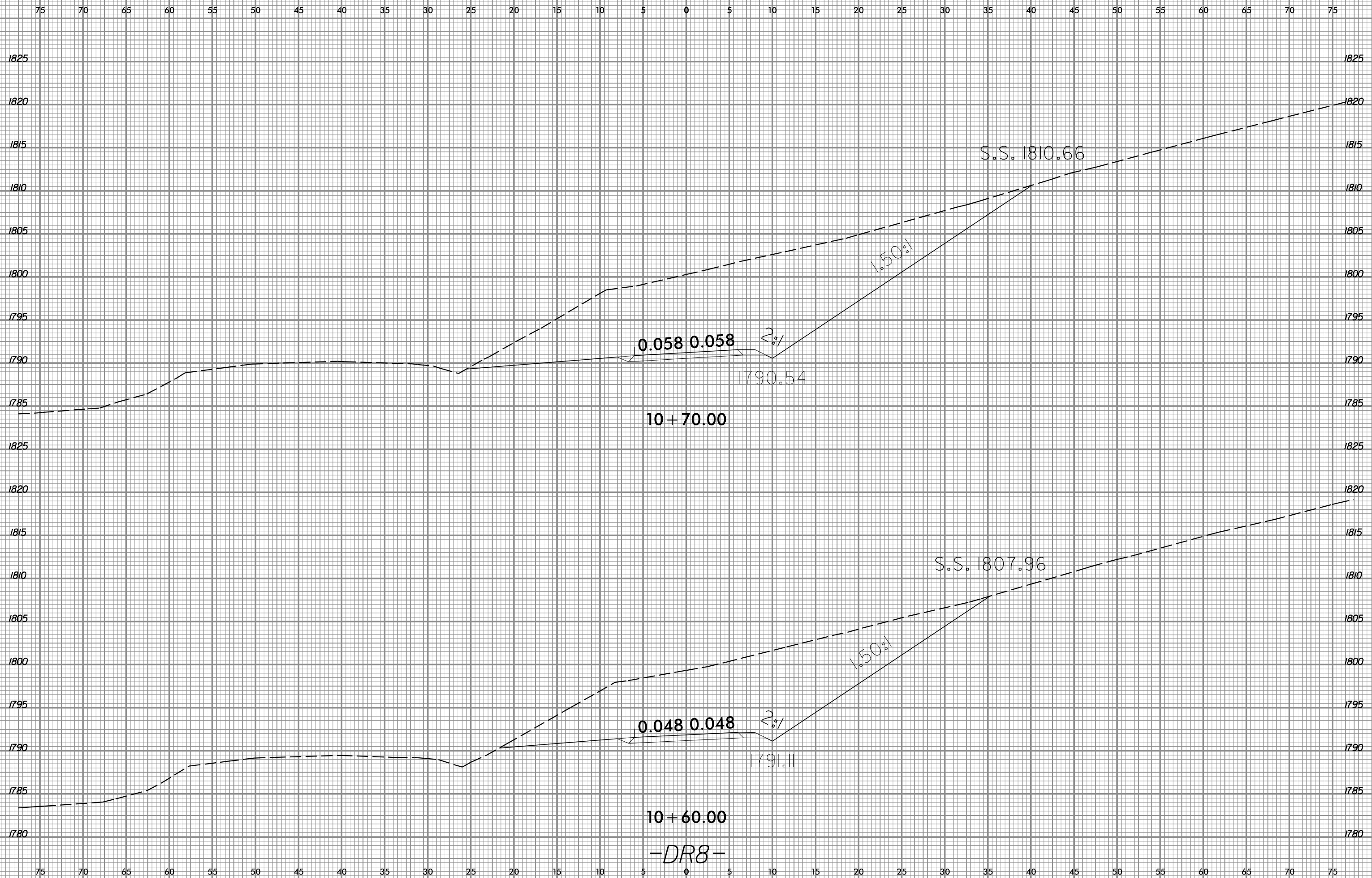
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8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-99



-DR8-

SYSTEM CONDITION
REVISIONS
DATE
BY

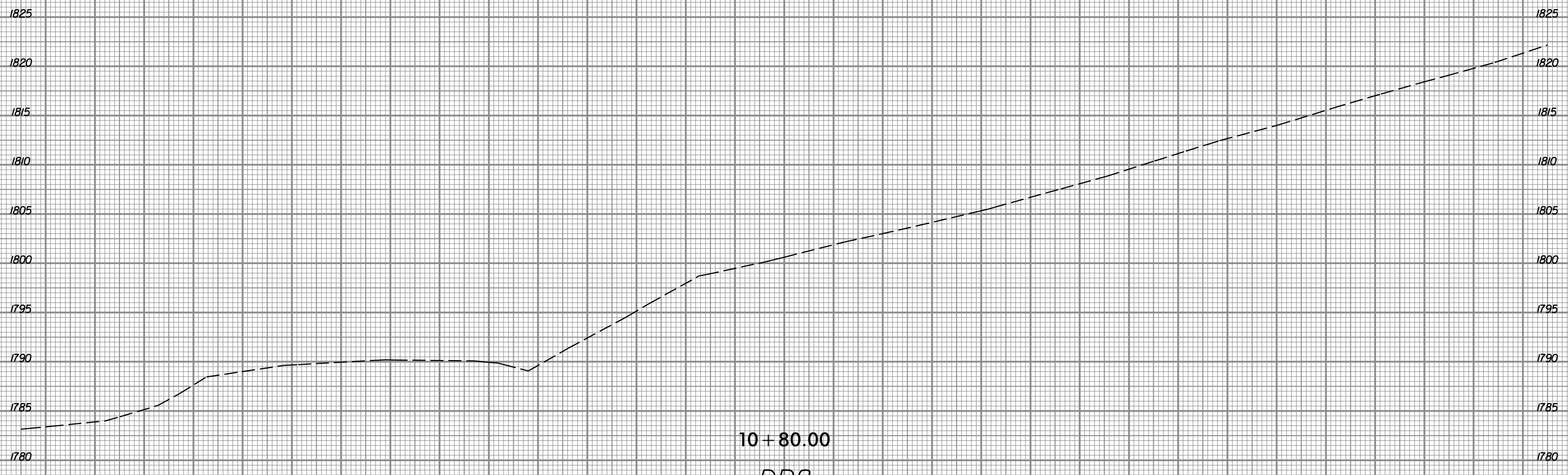
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-100

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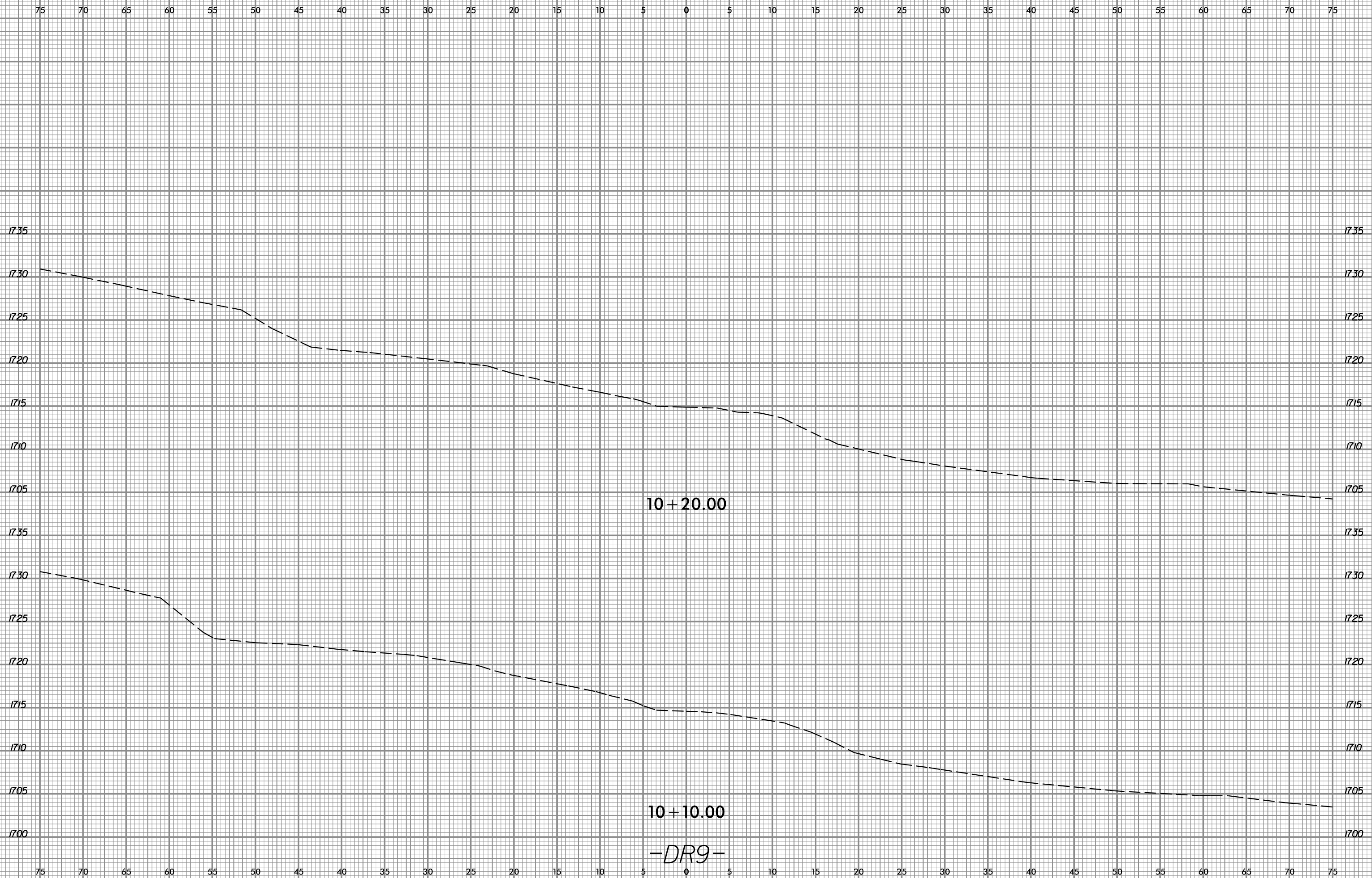


10 + 80.00

-DR8-

SYSTEMS CONDITION
 PLANNING
 SURVEYING
 ENGINEERING
 ARCHITECTURE
 INTERIOR DESIGN
 LANDSCAPE ARCHITECTURE
 ENVIRONMENTAL DESIGN
 CONSTRUCTION MANAGEMENT
 PROJECT MANAGEMENT

8/23/99



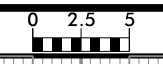
10+20.00

10+10.00

-DR9-

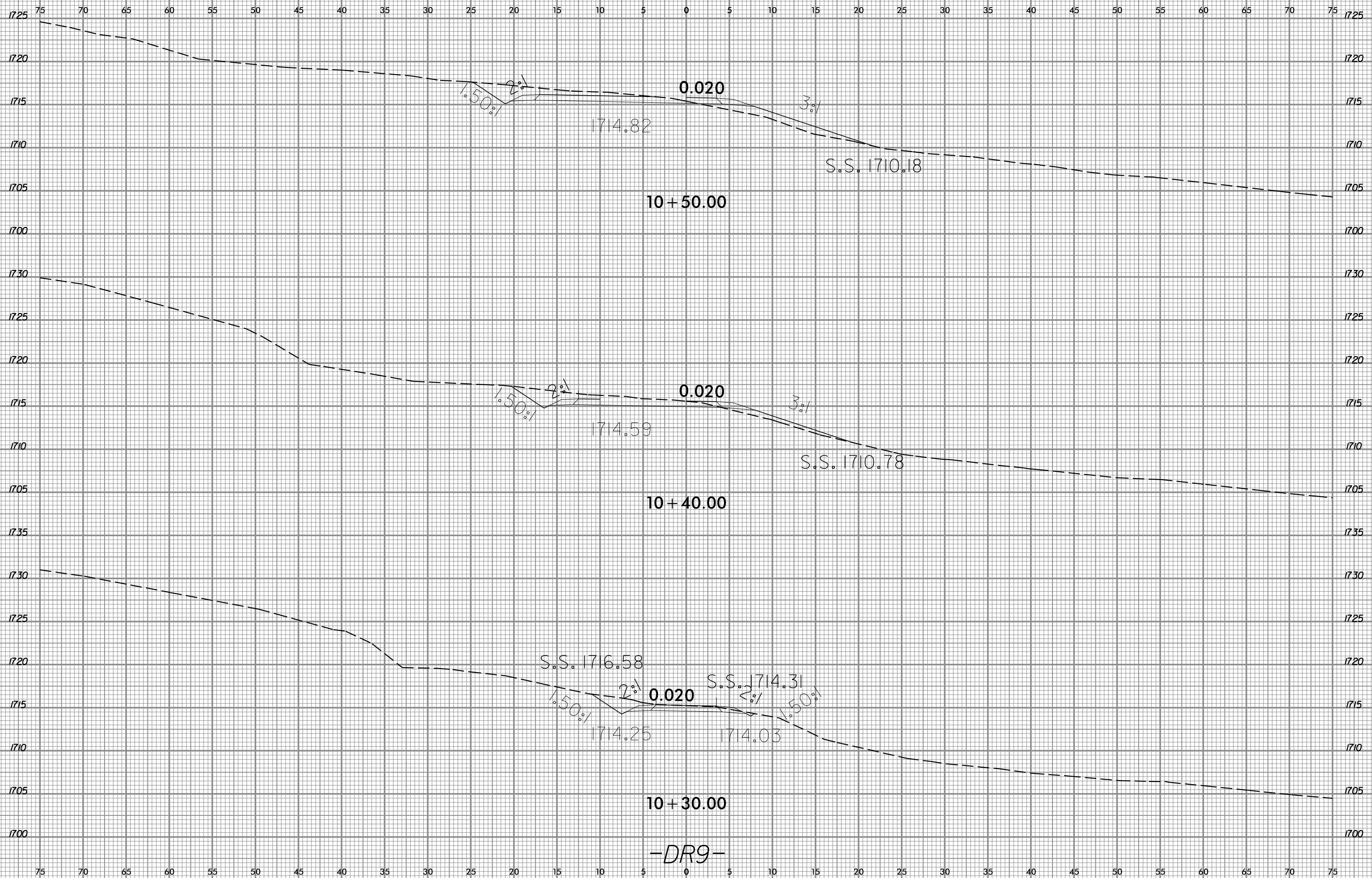
SECTION CONDITION SURFACE

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-102



-DR9-

SYSTEM CONDITION
REVISIONS
DATE
BY
APP
DATE
BY
APP

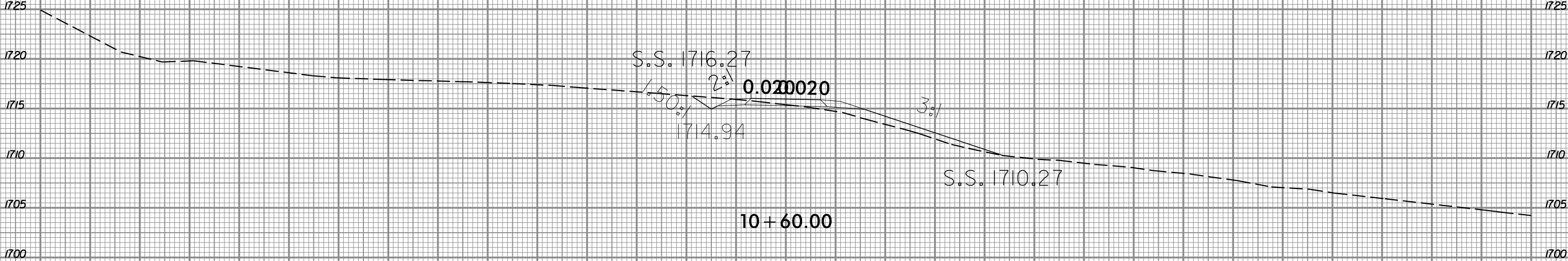
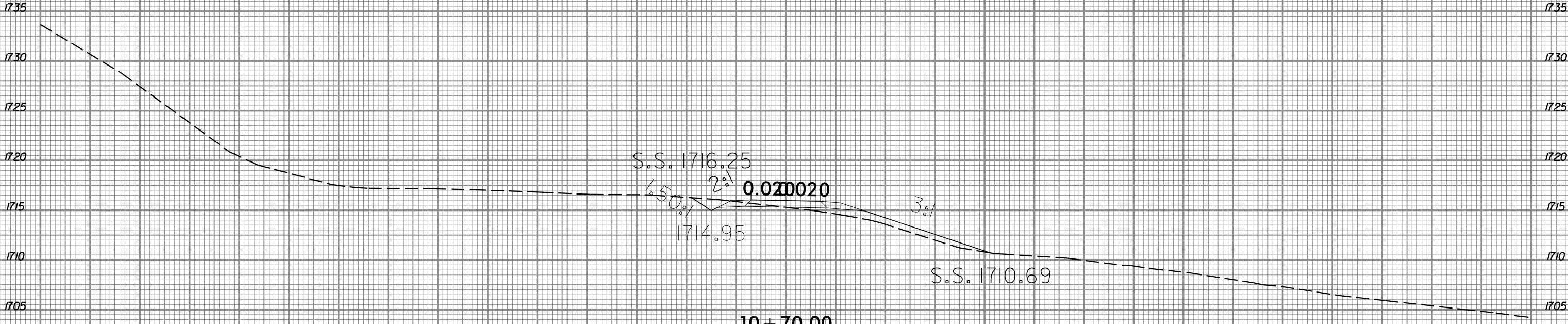
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-103

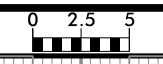
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-DR9-

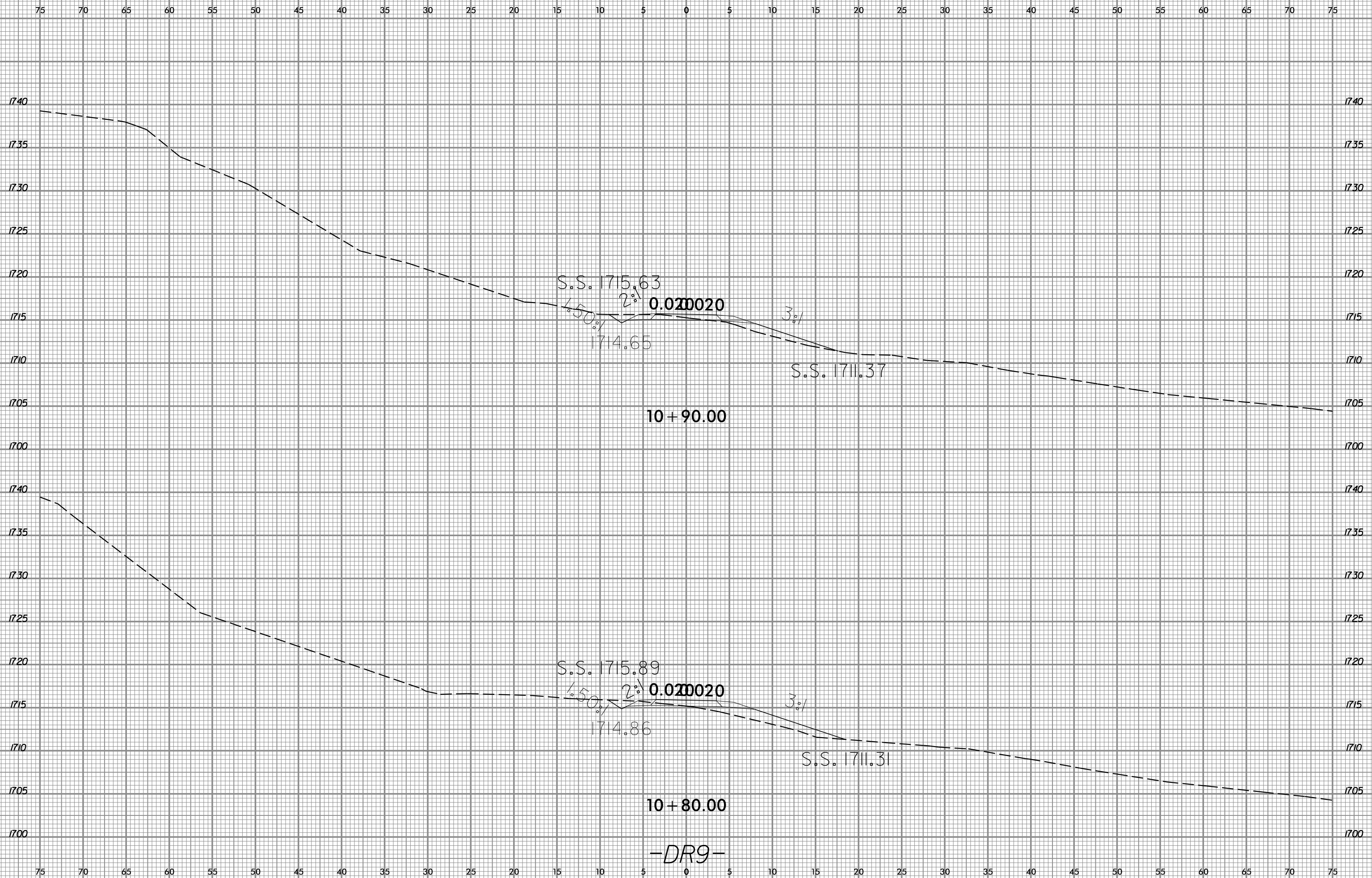
SYTIME 00:00:00
COND 00:00:00
PLAN 00:00:00
JOB 00:00:00
DATE 00:00:00

8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-104



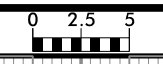
10+90.00

10+80.00

-DR9-

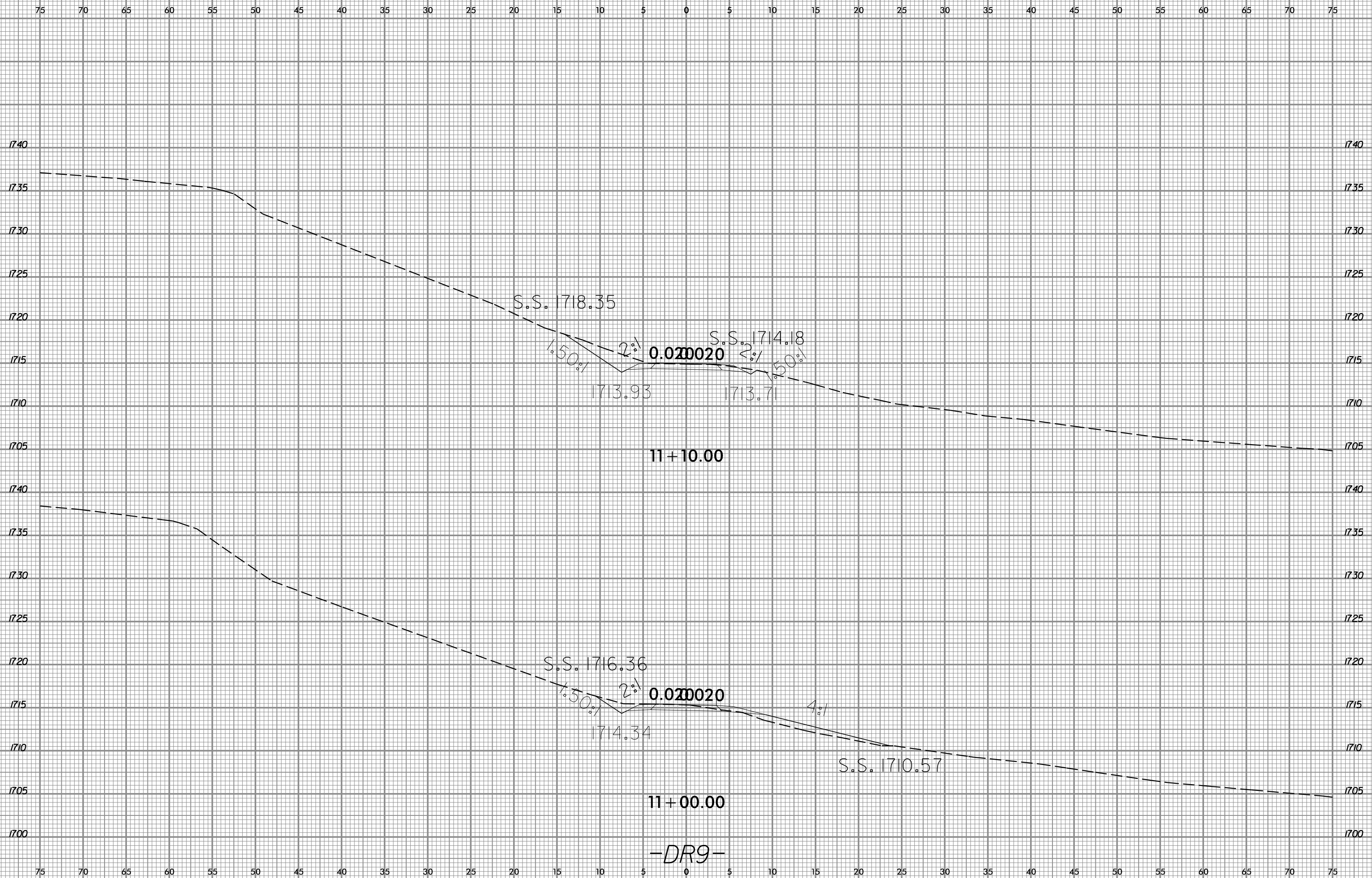
SYSTEM CONDITION
 ALL INFORMATION
 IS UNCLASSIFIED
 DATE 08/23/99 BY
 66362/UC/BAW/STP

8/23/99



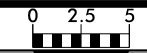
PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-105



SYSTEMS
 CONSULTING
 ENGINEERS
 INC.
 1111
 11TH
 AVENUE
 SUITE
 100
 DENVER
 CO 80202

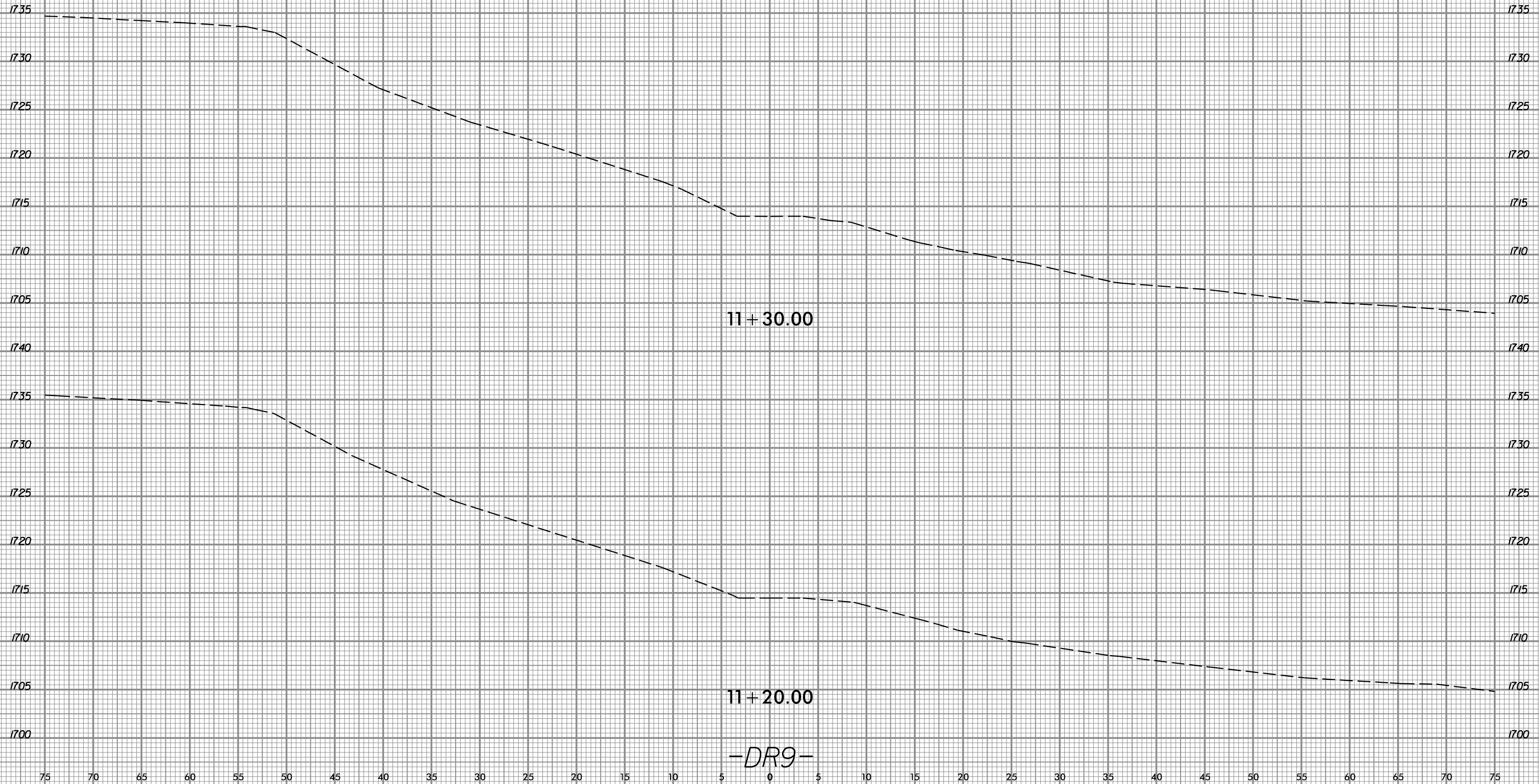
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-106

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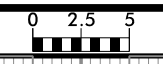
11 + 30.00

11 + 20.00

-DR9-

SECTION CONDITION
SYMBOLS
DATE
DRAWN
CHECKED
APPROVED

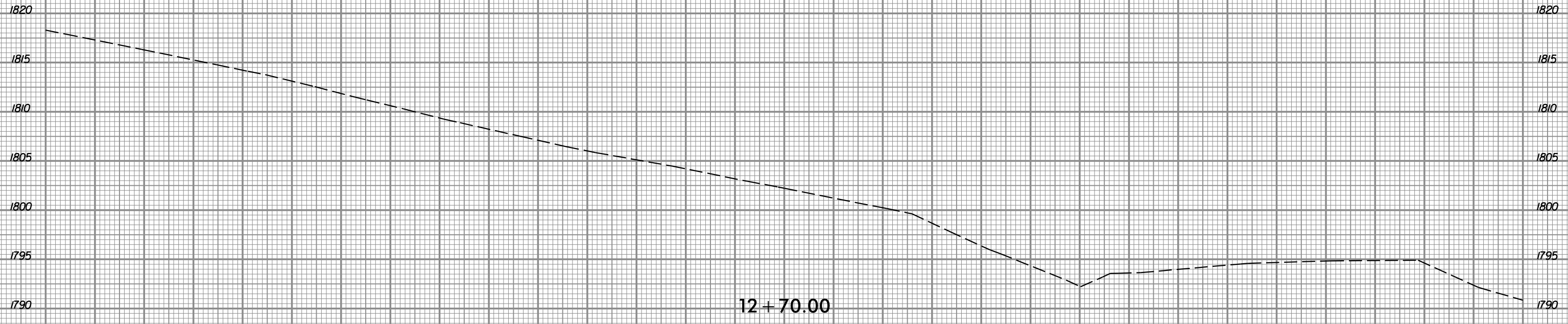
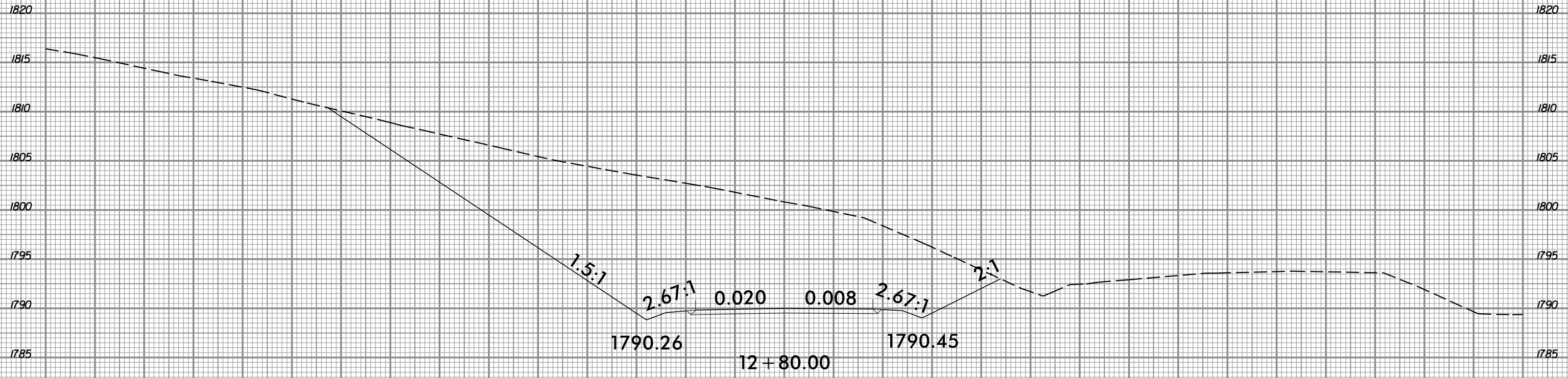
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-107

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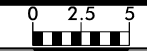


-YIT emp-

SYSTEM CONDITION
REPAIR
MAINTENANCE

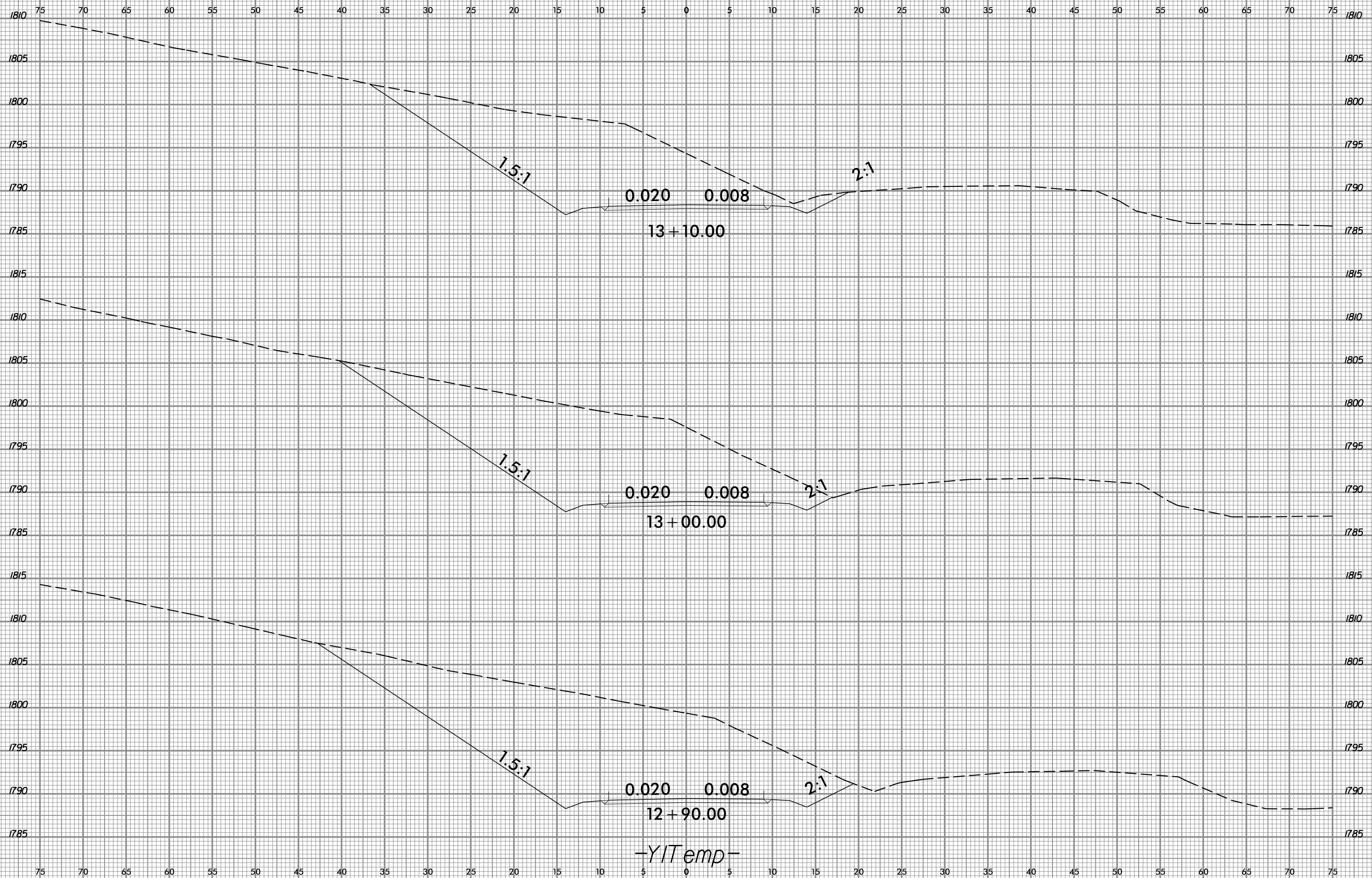
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8/23/99



PROJ. REFERENCE NO.
R-3622B

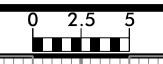
SHEET NO.
X-108



-YIT emp-

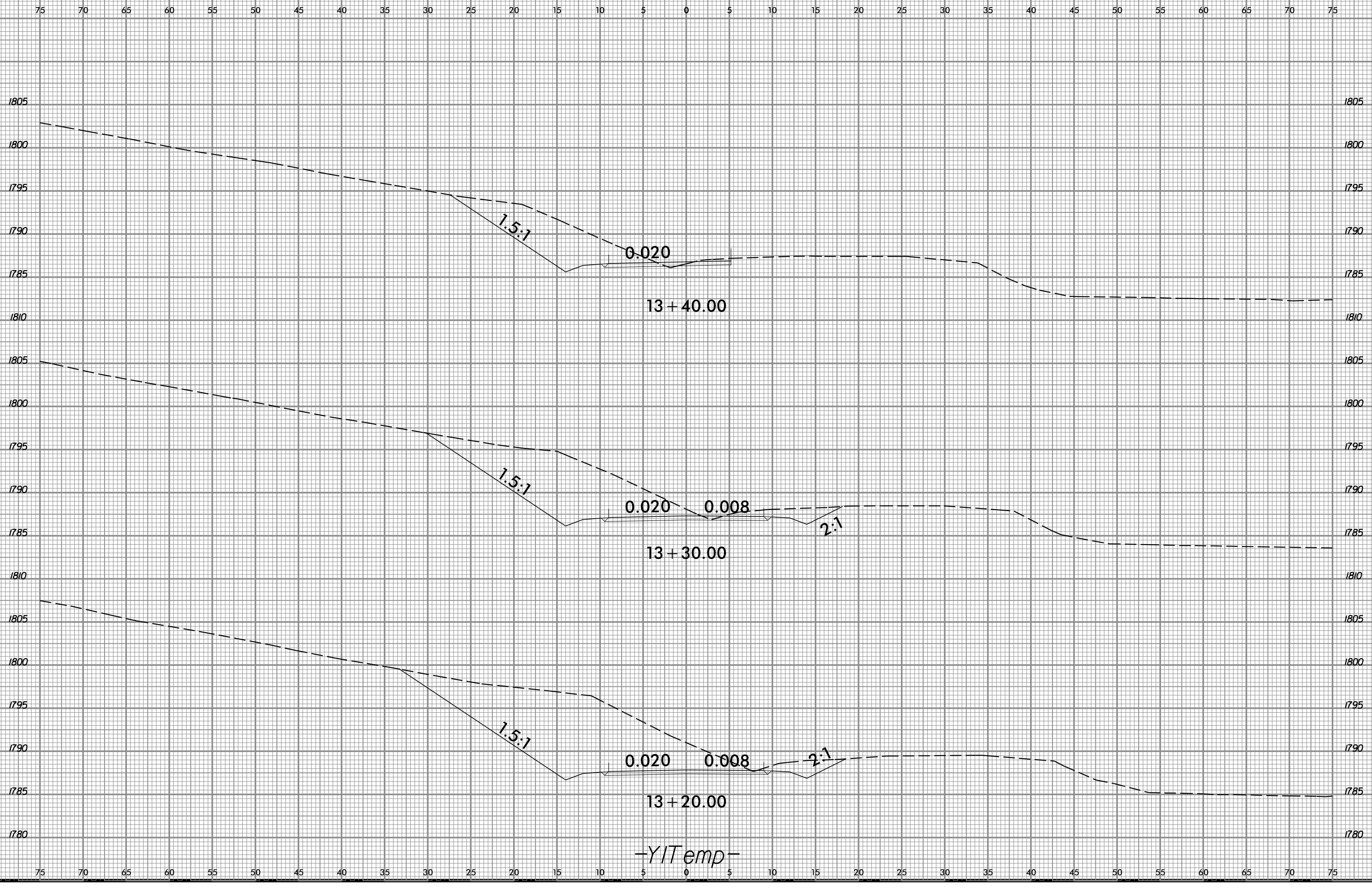
SYSTEM CONDITION SURVEY
DATE: 8/23/99
DRAWN BY: [illegible]
CHECKED BY: [illegible]

8/23/99



PROJ. REFERENCE NO.
R-3622B

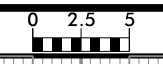
SHEET NO.
X-109



-YIT emp-

SYSTEM CONDITION
REPAIR
MAINTENANCE

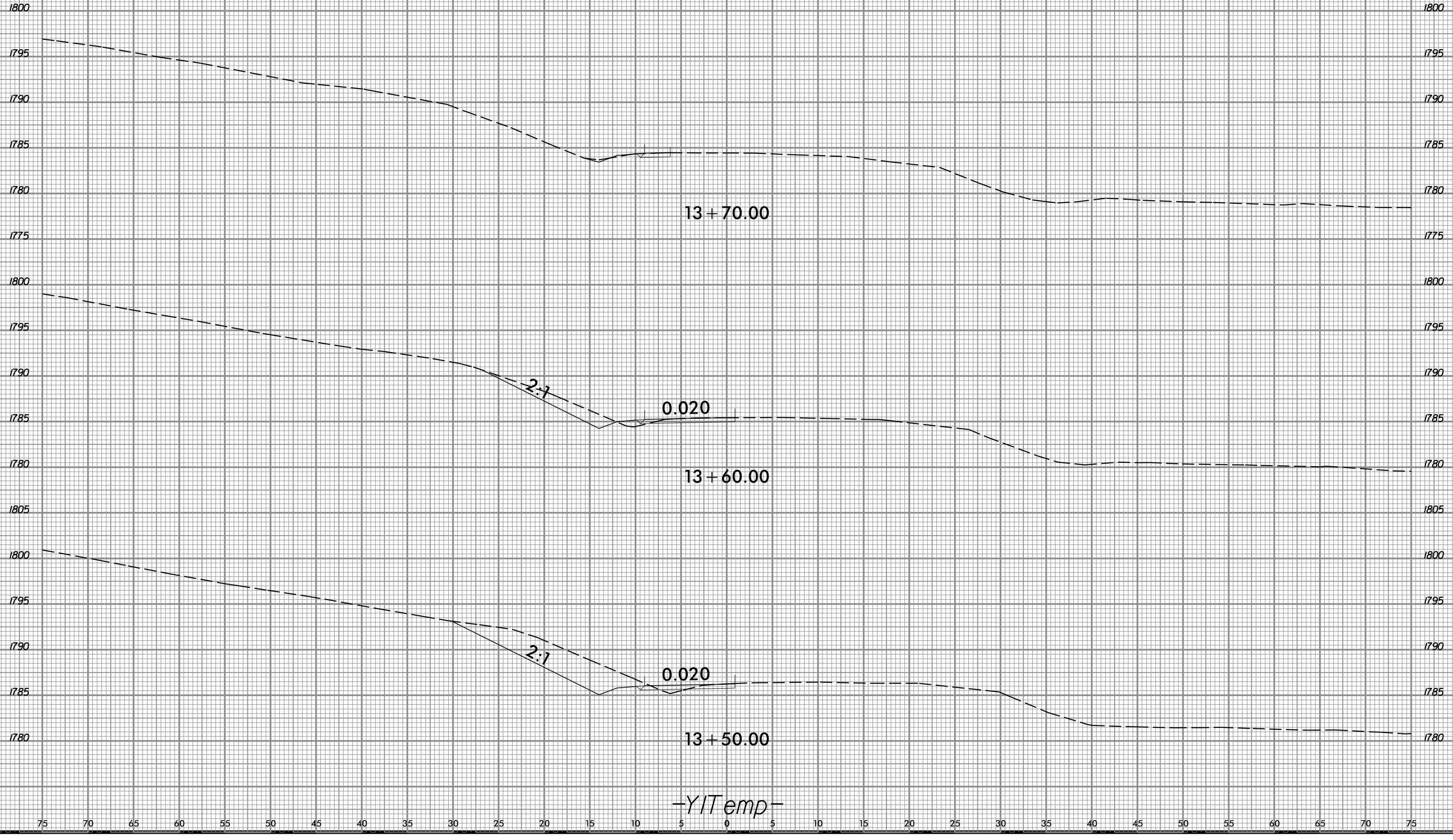
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-110

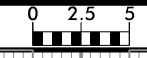
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-YIT emp-

SYSTEM CONDITION SURVEY
DATE: 8/23/99

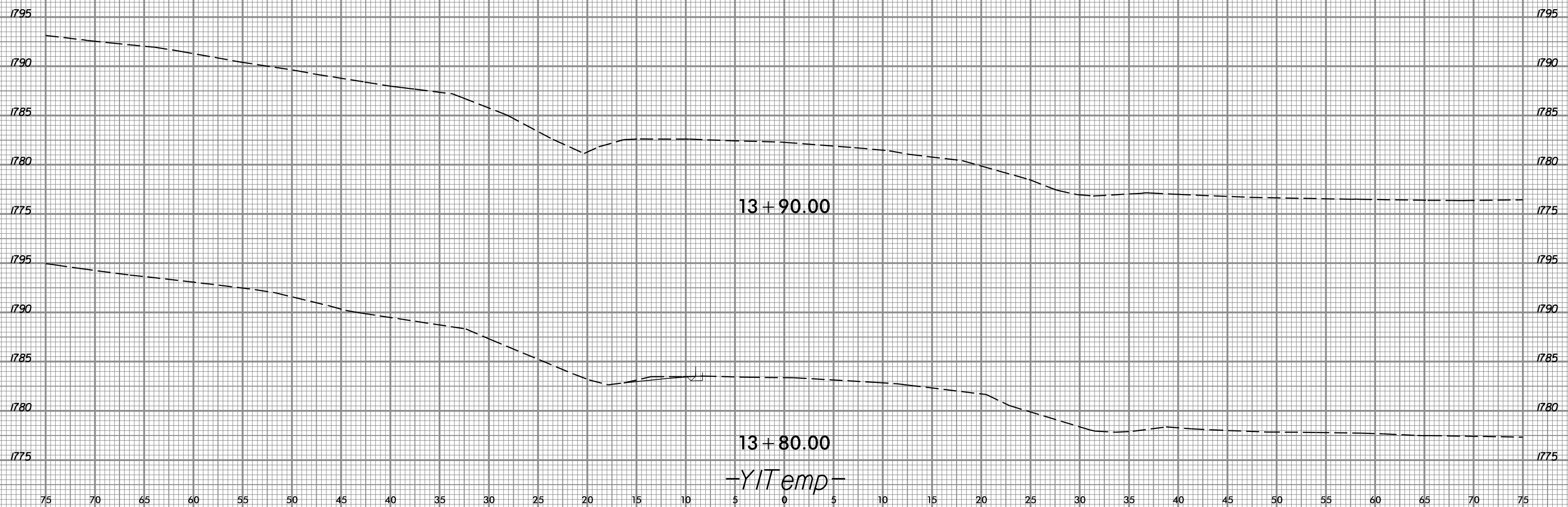
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-111

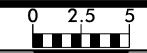
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SECTION 13+80.00 TO 13+90.00

-YIT emp-

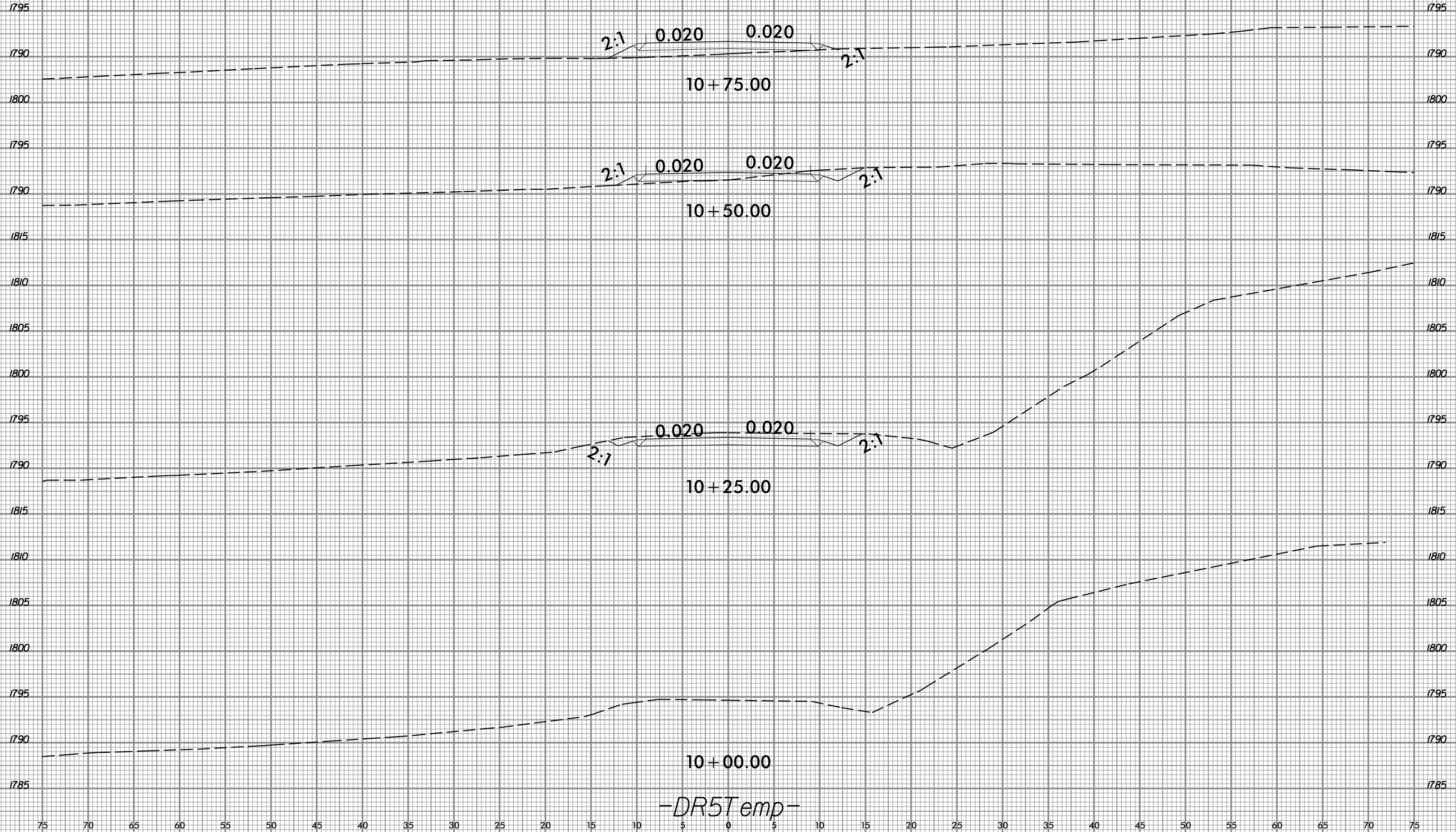
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-112

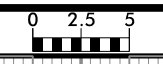
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-DR5Temp-

SYSTEM CONDITION SURVEY

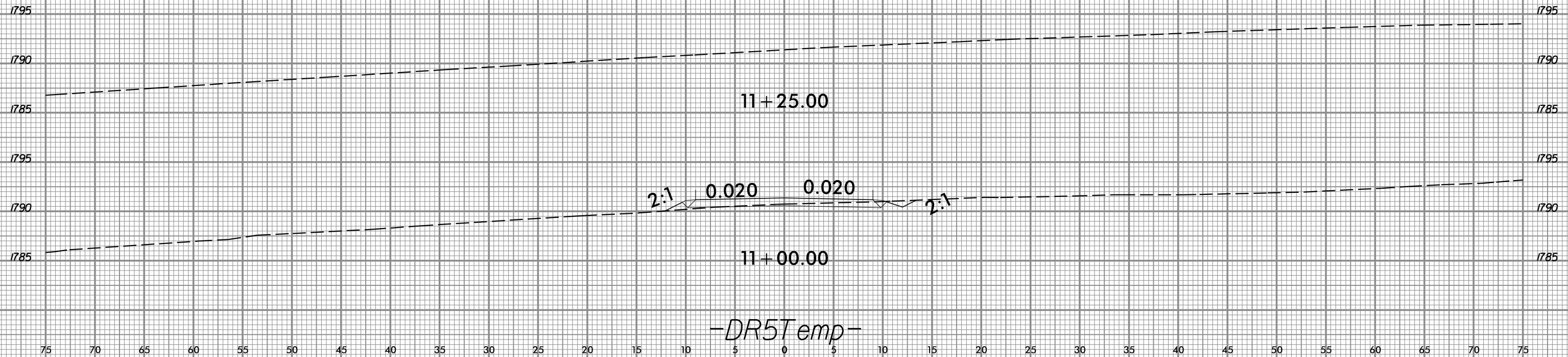
8/23/99



PROJ. REFERENCE NO.
R-3622B

SHEET NO.
X-113

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



SECTION
CON
PL
PR
SU
MA
VE