

US 220 BYPASS (R-3421B) CROSS-SECTIONS

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NOTE: QUANTITIES ARE APPROXIMATE ONLY. THE RESIDENT ENGINEER WILL RE-CROSS-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-3421B

X-0A

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

**Quantities are approximate only. The Resident Engineer will
re-cross-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 L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu. yd.)	Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu. yd.)	Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu. yd.)
128+00.00	0	0	154+50.00	2996	176	178+00.00	35	5795	700	202+00.00	18972	0	0	226+50.00	0	39246	700
128+50.00	1112	92	155+00.00	4445	2	178+50.00	3	8902	700	202+50.00	16900	0	0	227+00.00	0	36737	700
129+00.00	2225	0	155+50.00	6785	0	179+00.00	0	9820	700	203+00.00	13487	0	0	227+50.00	0	32615	0
129+50.00	3495	0	156+00.00	9317	0	179+50.00	0	8664	700	203+50.00	9745	0	0	228+00.00	0	29947	0
130+00.00	5101	0	156+50.00	11493	0	180+00.00	0	6085	0	204+00.00	6471	0	0	228+50.00	0	29560	0
130+50.00	7185	0	157+00.00	12947	0	180+50.00	181	3425	0	204+50.00	3591	0	0	229+00.00	0	30822	783
131+00.00	10005	0	157+50.00	13510	0	181+00.00	638	1505	0	205+00.00	1137	136	0	229+50.00	0	32375	783
131+50.00	13714	0	158+00.00	13090	0	181+50.00	1317	386	0	205+50.00	44	912	0	230+00.00	0	33990	784
132+00.00	17475	0				182+00.00	2688	16	0	206+00.00	0	2029	0	230+50.00	0	35121	783
132+50.00	20061	0	Station	Uncl. Exc.	Embt	182+50.00	5209	0	0	206+50.00	0	2759	0	231+00.00	0	35076	783
133+00.00	20963	0	L	(cu. yd.)	(cu. yd.)	183+00.00	7668	0	0	207+00.00	0	3109	0	231+50.00	0	33353	784
133+50.00	20583	0				183+50.00	9177	0	0	207+50.00	0	2999	0	232+00.00	0	29834	0
134+00.00	19802	0	158+00.00	0	0	184+00.00	10310	0	0	208+00.00	4	2463	0	232+50.00	0	26580	0
134+50.00	18684	0	158+50.00	11830	0	184+50.00	11164	0	0	208+50.00	136	1606	0	233+00.00	0	26148	0
135+00.00	17610	0	159+00.00	8935	74	185+00.00	11825	0	0	209+00.00	517	738	0	233+50.00	0	30025	0
135+50.00	17280	0	159+50.00	6187	526	185+50.00	12523	0	0	209+50.00	1050	210	0	234+00.00	0	33863	0
136+00.00	17124	0	160+00.00	5808	513	186+00.00	13667	0	0	210+00.00	1768	11	0	234+50.00	0	35545	0
136+50.00	17307	0	160+50.00	6882	61	186+50.00	15101	0	0	210+50.00	2747	0	0	235+00.00	0	38120	0
137+00.00	18014	0	161+00.00	7815	0	187+00.00	16375	0	0	211+00.00	3683	0	0	235+50.00	0	40859	0
137+50.00	18402	0	161+50.00	7843	0	187+50.00	17246	0	0	211+50.00	3589	0	0	236+00.00	0	42442	0
138+00.00	18431	0	162+00.00	7178	0	188+00.00	17128	0	0	212+00.00	2023	117	0	236+50.00	0	42833	0
138+50.00	17790	0	162+50.00	5919	0					212+50.00	480	1215	0	237+00.00	0	42628	0
139+00.00	16570	0	163+00.00	4623	0	Station	Uncl. Exc.	Embt	Undercut	213+00.00	8	3929	0	237+50.00	0	41364	0
139+50.00	15266	0	163+50.00	2930	3	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	213+50.00	0	7854	0	238+00.00	0	38757	0
140+00.00	13203	0	164+00.00	1287	569					214+00.00	0	11341	0	238+50.00	0	35279	0
140+50.00	11427	0	164+50.00	370	1899	188+00.00	0	0	0	214+50.00	0	15274	0	239+00.00	0	31565	0
141+00.00	11345	0	165+00.00	0	4735	188+50.00	16035	0	0	215+00.00	0	21246	0	239+50.00	0	28283	0
141+50.00	10081	0	165+50.00	0	9406	189+00.00	15248	0	0	215+50.00	0	27636	0	240+00.00	0	25446	0
142+00.00	7863	0	166+00.00	0	14645	189+50.00	17433	0	0	216+00.00	0	33491	825	240+50.00	0	22887	0
142+50.00	7452	0	166+50.00	0	20277	190+00.00	21589	0	0	216+50.00	0	38454	825	241+00.00	0	21121	0
143+00.00	8233	0	167+00.00	0	26166	190+50.00	24530	0	0	217+00.00	0	41733	825	241+50.00	0	19738	0
143+50.00	8554	0	167+50.00	0	31140	191+00.00	27010	0	0	217+50.00	0	40589	825	242+00.00	0	17465	0
144+00.00	7918	0	168+00.00	0	34361	191+50.00	30975	0	0	218+00.00	0	35401	0	242+50.00	0	15237	0
144+50.00	6822	0	168+50.00	0	34559	192+00.00	36294	0	0	Station	Uncl. Exc.	Embt	Undercut	243+00.00	0	13486	0
145+00.00	5534	0	169+00.00	0	31505	192+50.00	39651	0	0	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	243+50.00	0	11848	0
145+50.00	4192	0	169+50.00	0	26648	193+00.00	40082	0	0					244+00.00	0	11379	0
146+00.00	2724	0	170+00.00	0	21828	193+50.00	39712	0	0	218+00.00	0	0	0	244+50.00	0	11312	0
146+50.00	1078	273	170+50.00	0	16785	194+00.00	38871	0	0	218+50.00	0	30976	0	245+00.00	0	9980	0
147+00.00	123	2528	171+00.00	0	10608	194+50.00	36929	0	0	219+00.00	0	29002	0	245+50.00	0	7629	0
147+50.00	93	7019	171+50.00	7	5030	195+00.00	34452	0	0	219+50.00	0	26656	0	246+00.00	0	5200	0
148+00.00	77	11361	172+00.00	10	1741	195+50.00	32392	0	0	220+00.00	0	22854	0	246+50.00	0	3198	0
148+50.00	0	12275	172+50.00	65	544	196+00.00	30133	0	0	220+50.00	0	19897	0	247+00.00	21	1960	0
149+00.00	0	9238	173+00.00	468	133	196+50.00	26533	0	0	221+00.00	0	18543	0	247+50.00	256	1683	0
149+50.00	0	8093	173+50.00	2501	0	197+00.00	21047	0	0	221+50.00	0	17928	0	248+00.00	614	1790	0
150+00.00	0	11459	174+00.00	4504	0	197+50.00	14557	0	0	222+00.00	0	17921	0				
150+50.00	0	15310	174+50.00	4559	0	198+00.00	8429	0	0	222+50.00	0	18161	0				
151+00.00	0	16433	175+00.00	3911	0	198+50.00	3402	2	0	223+00.00	0	19011	0				
151+50.00	0	14581	175+50.00	3024	0	199+00.00	916	386	0	223+50.00	0	22049	0				
152+00.00	0	11783	176+00.00	2256	0	199+50.00	1164	584	0	224+00.00	0	25907	0				
152+50.00	0	7769	176+50.00	1699	6	200+00.00	3821	201	0	224+50.00	0	29131	0				
153+00.00	232	2726	177+00.00	897	178	200+50.00	8928	0	0	225+00.00	0	32159	700				
153+50.00	1470	353	177+50.00	223	2016	201+00.00	14683	0	0	225+50.00	0	35263	700				
154+00.00	2538	319				201+50.00	18502	0	0	226+00.00	0	38155	700				

**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS**

PROJ. REFERENCE NO. R-3421B	SHEET NO. X-0B
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Quantities are approximate only. The Resident Engineer will re-cross-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	Undercut	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Undercut
L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)
248+00.00	0	0	274+00.00	272	962	433	297+50.00	1854	5599	322+00.00	0	3966	346+00.00	4005	0	0
248+50.00	852	1586	274+50.00	20	1975	433	298+00.00	1904	6139	322+50.00	0	3689	346+50.00	3040	92	0
249+00.00	1098	1006	275+00.00	0	2637	434	298+50.00	1977	6526	323+00.00	0	3026	347+00.00	2747	170	0
249+50.00	1659	388	275+50.00	0	2539	0	299+00.00	2090	6692	323+50.00	0	2291	347+50.00	2820	82	0
250+00.00	2698	57	276+00.00	0	1698	0	299+50.00	2235	6803	324+00.00	0	1605	348+00.00	2735	5	0
250+50.00	4247	0	276+50.00	10	831	0	300+00.00	2318	7113	324+50.00	4	846	348+50.00	2389	0	0
251+00.00	6132	0	277+00.00	128	265	0	300+50.00	2315	7453	325+00.00	164	252	349+00.00	1623	77	0
251+50.00	8089	0	277+50.00	415	74	0	301+00.00	2235	7587	325+50.00	986	29	349+50.00	625	657	0
252+00.00	10261	0	278+00.00	627	75	0	301+18.32	797	2774	326+00.00	2193	0	350+00.00	60	2689	0
252+50.00	12328	0								326+50.00	3584	0	350+50.00	0	6067	0
253+00.00	14138	0	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	327+00.00	5285	0	351+00.00	0	9805	0
253+50.00	15634	0								327+50.00	7093	0	351+50.00	0	13409	0
254+00.00	16519	0	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	328+00.00	9000	0	352+00.00	0	16350	1940
254+50.00	16764	0	278+00.00	0	0	0	302+44.58	0	0	328+50.00	10794	0	352+50.00	0	18296	1940
255+00.00	16059	0	278+50.00	771	77	0	302+50.00	771	1348	329+00.00	12316	0	353+00.00	0	18915	1940
255+50.00	14311	0	279+00.00	889	53	0	303+00.00	889	13430	329+50.00	13598	0	353+50.00	0	18459	1940
256+00.00	11748	0	279+50.00	908	46	0	303+50.00	908	15509	330+00.00	14543	0	354+00.00	0	17465	1940
256+50.00	8525	0	280+00.00	946	36	0	304+00.00	946	17011	330+50.00	14944	0	354+50.00	0	15344	0
257+00.00	5366	0	280+50.00	1153	14	0	304+50.00	1153	17838	331+00.00	15046	0	355+00.00	0	12179	0
257+50.00	2955	23	281+00.00	1498	0	0	305+00.00	1498	18007	331+50.00	14826	0				
258+00.00	1251	374	281+50.00	2008	0	0	305+50.00	2008	18098	332+00.00	14217	0	Station	Uncl. Exc.	Embt	Undercut
258+50.00	392	1065	282+00.00	2802	0	0	306+00.00	2802	17883				L	(cu. yd.)	(cu. yd.)	(cu. yd.)
259+00.00	185	1292	282+50.00	3654	0	0	306+50.00	3654	16848	Station	Uncl. Exc.	Embt				
259+50.00	164	961	283+00.00	4466	0	0	307+00.00	4466	15288	L	(cu. yd.)	(cu. yd.)	355+00.00	0	0	0
260+00.00	495	400	283+50.00	5452	0	0	307+50.00	5452	13525				355+50.00	115	5383	0
260+50.00	1868	17	284+00.00	6732	0	0	308+00.00	6732	11969	332+00.00	0	0	356+00.00	138	12	0
261+00.00	4013	0	284+50.00	8132	0	0	308+50.00	8132	10708	332+50.00	13513	0	356+50.00	40	32	0
261+50.00	6301	0	285+00.00	9539	0	0	309+00.00	9539	9564	333+00.00	12806	0	357+00.00	27	35	0
262+00.00	8321	0	285+50.00	11087	0	0	309+50.00	11087	8897	333+50.00	11725	0	357+50.00	26	25	0
262+50.00	9982	0	286+00.00	12756	0	0	310+00.00	12756	8391	334+00.00	11238	0	358+00.00	38	20	0
263+00.00	11200	0	286+50.00	14624	0	0	310+50.00	14624	7614	334+50.00	12339	0	358+50.00	34	32	0
263+50.00	11734	0	287+00.00	16752	0	0	311+00.00	16752	6534	335+00.00	13710	0	359+00.00	22	39	0
264+00.00	12021	0	287+50.00	19049	0	0	311+50.00	19049	6360	335+50.00	14441	0	359+50.00	14	35	0
264+50.00	12231	0	288+00.00	21573	0	0	312+00.00	21573	7405	336+00.00	14965	0	360+00.00	10	40	0
265+00.00	12222	0	288+50.00	24248	0	0	312+50.00	24248	7586	336+50.00	15665	0	360+50.00	11	33	0
265+50.00	12097	0	289+00.00	26861	0	0	313+00.00	26861	7040	337+00.00	16321	0	361+00.00	9	49	0
266+00.00	12101	0	289+50.00	29116	0	0	313+50.00	29116	6757	337+50.00	16809	0	361+50.00	4	61	0
266+50.00	12265	0	290+00.00	30581	0	0	314+00.00	30581	6894	338+00.00	16953	0	362+00.00	6	47	0
267+00.00	12320	0	290+50.00	30674	0	0	314+50.00	30674	7162	338+50.00	16685	0	362+50.00	9	45	0
267+50.00	12065	0	291+00.00	23344	0	0	315+00.00	23344	7124	339+00.00	16246	0	363+00.00	12	46	0
268+00.00	11644	0	291+50.00	15815	0	0	315+50.00	15815	7038	339+50.00	15675	0	363+50.00	24	46	0
268+50.00	11159	0	292+00.00	12555	0	0	316+00.00	12555	6958	340+00.00	14996	0	364+00.00	40	40	0
269+00.00	10528	0	292+50.00	9417	0	0	316+50.00	9417	6920	340+50.00	14170	0	364+50.00	41	45	0
269+50.00	9756	0	293+00.00	8463	0	0	317+00.00	8463	6902	341+00.00	13149	0	365+00.00	53	37	0
270+00.00	9026	0	293+50.00	7359	0	0	317+50.00	7359	6768	341+50.00	11988	0	365+50.00	45	41	0
270+50.00	8388	0	294+00.00	5855	0	0	318+00.00	5855	6464	342+00.00	10760	0	366+00.00	41	32	0
271+00.00	7739	0	294+50.00	4103	249	0	318+50.00	4103	6046	342+50.00	9586	0	366+50.00	61	4	0
271+50.00	6937	0	295+00.00	2922	941	0	319+00.00	2922	5563	343+00.00	8562	0	367+00.00	61	7	0
272+00.00	5954	0	295+50.00	2448	1951	0	319+50.00	2448	5042	343+50.00	7648	0	367+50.00	54	11	0
272+50.00	4592	0	296+00.00	2150	3063	0	320+00.00	2150	4652	344+00.00	6898	0	368+00.00	59	11	0
273+00.00	2956	0	296+50.00	1962	4065	0	320+50.00	1962	4326	344+50.00	6268	0	368+50.00	63	10	0
273+50.00	1333	170	297+00.00	1882	4897	0	321+00.00	1882	4025	345+00.00	5629	0	369+00.00	96	7	0
							321+50.00	0	3950	345+50.00	4950	0				

**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS**

PROJ. REFERENCE NO. R-3421B	SHEET NO. X-0C
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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.

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CROSS-SECTION SUMMARY

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Station RAMP A IN L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Station RAMP C IN L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Station SR 1 IN L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu. yd.)
369+50.00	106	10	392+00.00	854	435	301+35.42	0	0	292+00.00	0	0	142+50.00	0	0	0
370+00.00	95	13	392+50.00	529	431	302+50.00	2385	0	292+50.00	3483	0	143+00.00	929	9	0
370+50.00	123	10	393+00.00	269	0	303+00.00	1369	0	293+00.00	2630	0	143+50.00	1850	0	0
371+00.00	143	8	393+50.00	320	0	303+50.00	1245	0	293+50.00	1850	0	144+00.00	2418	0	0
371+50.00	141	8	394+00.00	412	0	304+00.00	482	68	294+00.00	1076	0	144+50.00	2477	0	0
372+00.00	131	11	394+50.00	466	0	304+50.00	86	504	294+50.00	522	0	145+00.00	2314	0	0
372+50.00	126	7	395+00.00	480	0	305+00.00	0	1605	295+00.00	227	67	145+50.00	2293	0	0
373+00.00	114	4	395+50.00	602	0	305+50.00	0	2906	295+50.00	48	334	146+00.00	2410	0	0
373+50.00	111	7	396+00.00	671	0	306+00.00	0	3930	296+00.00	0	683	146+50.00	2177	0	0
374+00.00	87	12	396+50.00	577	0	306+50.00	0	4429	296+50.00	0	901	147+00.00	1664	0	0
374+50.00	85	18	397+00.00	454	0	307+00.00	0	4279	297+00.00	0	1027	147+50.00	837	0	0
375+00.00	131	29	397+50.00	391	5	307+50.00	0	3892	297+50.00	0	1043	148+00.00	125	864	0
375+50.00	178	37	398+00.00	377	10	308+00.00	0	3638	298+00.00	0	794	148+50.00	0	3528	0
376+00.00	220	38	398+50.00	324	4	308+50.00	0	3378	298+50.00	35	343	149+00.00	0	6393	0
376+50.00	248	34	399+00.00	267	5	309+00.00	0	2996	299+00.00	236	50	149+50.00	0	7415	366
377+00.00	287	22	399+50.00	219	13	309+50.00	0	2586	299+50.00	376	41	150+00.00	0	7497	367
378+00.00	755	17	400+00.00	174	15	310+00.00	0	2272	300+00.00	279	182	150+50.00	0	7599	367
378+50.00	483	1	400+50.00	116	9	310+50.00	0	2242	300+50.00	179	468	151+00.00	0	6622	0
379+00.00	563	0	401+00.00	72	6	311+00.00	0	2283	301+00.00	97	482	151+50.00	0	4404	0
379+50.00	530	2	401+50.00	105	7				301+63.47	55	395	152+00.00	0	2324	0
380+00.00	434	4	402+00.00	115	22							152+50.00	0	1097	0
			402+50.00	122	27							153+00.00	81	359	0
Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	403+00.00	235	21	Station RAMP D IN L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	153+50.00	1067	16	154+00.00	3148	0	0
			403+50.00	631	25	301+54.93	0	0	154+50.00	5367	0	154+50.00	5367	0	0
			404+00.00	516	15	302+50.00	179	84	155+00.00	7186	0	155+00.00	7186	0	0
380+00.00	0	0	404+50.00	77	7	303+00.00	54	159	155+50.00	8546	0	156+00.00	9900	0	0
380+50.00	379	3	405+00.00	78	7	303+50.00	0	438	156+00.00	9900	0	156+00.00	9900	0	0
381+00.00	327	1	405+50.00	75	4	304+00.00	11904	7	156+50.00	11822	0	156+50.00	11822	0	0
381+50.00	303	2	406+00.00	65	3	304+50.00	10909	0	157+00.00	14041	0	157+00.00	14041	0	0
382+00.00	263	3	406+50.00	102	3	291+00.00	0	0	157+50.00	16496	0	157+50.00	16496	0	0
382+50.00	201	5	407+00.00	107	2	291+50.00	11904	0	158+00.00	19099	0	158+00.00	19099	0	0
383+00.00	148	8	407+50.00	81	1	292+00.00	10041	0	158+50.00	20495	0	158+50.00	20495	0	0
383+50.00	78	8	408+00.00	98	0	292+50.00	10041	0	159+00.00	18786	0	159+00.00	18786	0	0
384+00.00	33	12	408+50.00	125	0	293+00.00	9429	0	160+00.00	6802	0	160+00.00	6802	0	0
384+50.00	32	17	409+00.00	124	0	293+50.00	8937	0	160+50.00	4979	0	160+50.00	4979	0	0
385+00.00	48	20	409+50.00	102	1	294+00.00	8616	0	296+00.00	8117	0	296+00.00	8117	0	0
385+50.00	48	25	410+00.00	101	1	294+50.00	6471	0	296+50.00	7426	0	296+50.00	7426	0	0
386+00.00	52	17				295+00.00	8464	0	297+00.00	6820	0	297+00.00	6820	0	0
386+50.00	69	7	Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	295+50.00	8464	0	297+50.00	6549	0	297+50.00	6549	0	0
387+00.00	80	4	410+00.00	0	0	296+00.00	8117	0	300+00.00	5845	0	300+00.00	5845	0	0
387+50.00	94	4	410+50.00	88	0	296+50.00	7426	0	300+50.00	5638	0	300+50.00	5638	0	0
388+00.00	98	5	411+00.00	68	0	297+00.00	6820	0	301+00.00	5391	0	301+00.00	5391	0	0
388+50.00	93	4	411+50.00	69	0	297+50.00	6549	0	301+50.00	3948	0	301+50.00	3948	0	0
389+00.00	97	3	412+00.00	59	0	298+00.00	6678	0	301+63.47	722	0	301+63.47	722	0	0
389+50.00	107	3	412+50.00	54	1	298+50.00	6716	0							
390+00.00	138	2	413+00.00	56	4	299+00.00	6350	0							
390+50.00	202	0	413+50.00	39	8	299+50.00	6086	0							
391+00.00	421	0	414+00.00	25	8	300+00.00	5845	0							
391+50.00	755	4				300+50.00	5638	0							

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

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Quantities are approximate only. The Resident Engineer will re-cross-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.

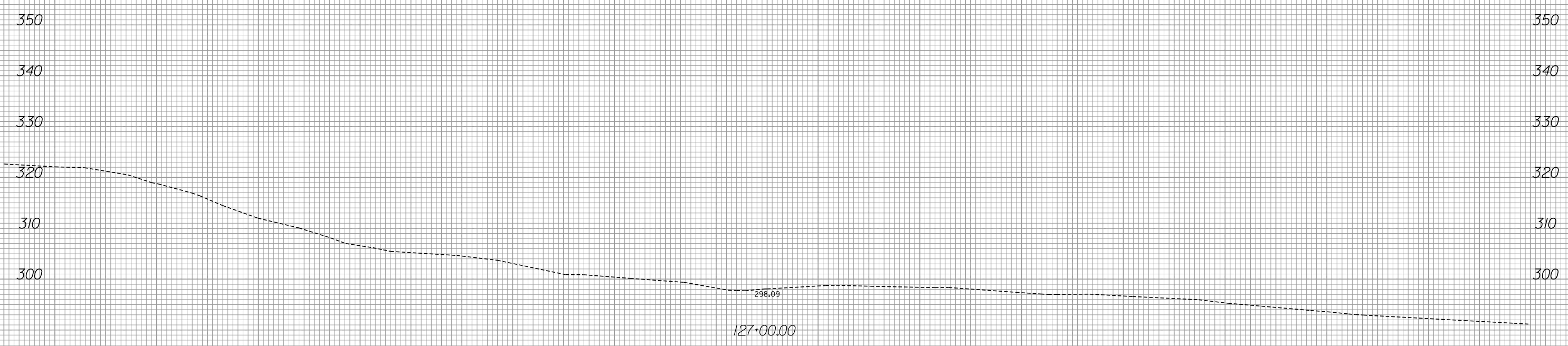
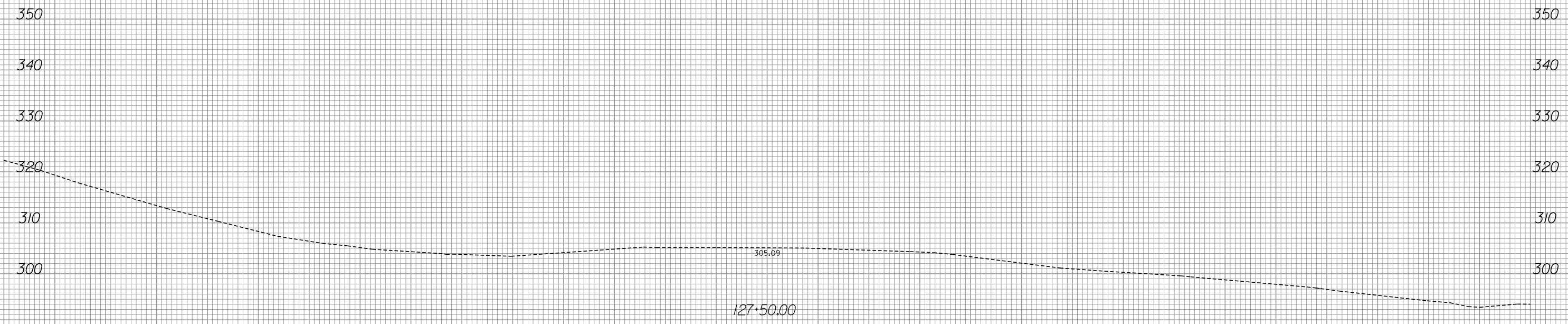
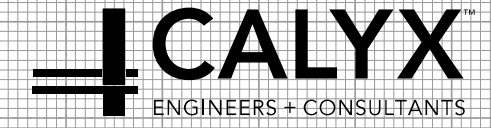
NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt
Sr1Rev	(cu. yd.)	(cu. yd.)	Sr6	(cu. yd.)	(cu. yd.)	Y3	(cu. yd.)	(cu. yd.)	Y5	(cu. yd.)	(cu. yd.)	Y5	(cu. yd.)	(cu. yd.)
10+12.16	0	0	10+00.00	0	0	22+50.00	25	96	12+50.00	128	167	39+00.00	138	46
10+50.00	481	0	10+50.00	128	38	23+00.00	29	28	13+00.00	104	176	39+50.00	128	37
11+00.00	838	0	11+00.00	74	79	23+16.67	8	4	13+50.00	117	147	40+00.00	157	15
11+50.00	854	0	11+50.00	37	160				14+00.00	124	97			
12+00.00	358	12	12+00.00	15	343	Station	Uncl. Exc.	Embt	14+50.00	95	108	Station	Uncl. Exc.	Embt
12+50.00	24	291	12+50.00	9	546				15+00.00	84	131			
13+00.00	0	1468	13+00.00	10	688	Y3	(cu. yd.)	(cu. yd.)	15+50.00	89	129	Y5	(cu. yd.)	(cu. yd.)
13+50.00	0	2396	13+50.00	11	730	25+46.67	0	0	16+00.00	72	101	40+00.00	0	0
14+00.00	0	2363	14+00.00	16	655	25+50.00	1	1	16+50.00	35	52	40+50.00	168	14
14+50.00	0	1605	14+50.00	34	477	26+00.00	284	10	17+00.00	46	53	41+00.00	172	14
15+00.00	235	464	15+00.00	89	272	26+50.00	412	7	17+50.00	40	142	41+50.00	164	16
15+50.00	909	14	15+50.00	149	106	27+00.00	243	0	18+00.00	0	401	42+00.00	118	28
16+00.00	1785	0	16+00.00	148	21	27+50.00	196	0	18+50.00	0	828	42+50.00	72	56
16+50.00	2357	0	16+50.00	89	99	28+00.00	132	0	19+00.00	0	1261	43+00.00	48	70
17+00.00	2459	0	17+00.00	50	325	28+50.00	108	0	19+50.00	0	1693	43+50.00	43	47
17+50.00	2324	0	17+50.00	61	693	29+00.00	62	1	20+00.00	0	2035	43+75.00	23	15
17+53.73	166	0	18+00.00	60	1179	29+30.00	6	1	20+50.00	0	2286			
			18+50.00	44	1684				21+00.00	0	2683	Station	Uncl. Exc.	Embt
			19+00.00	45	2020	Station	Uncl. Exc.	Embt	21+50.00	0	3131			
Station	Uncl. Exc.	Embt	19+50.00	55	2131				22+00.00	0	3651	Y6	(cu. yd.)	(cu. yd.)
			20+00.00	47	2238	Y4	(cu. yd.)	(cu. yd.)	22+50.00	0	4204	11+23.34	0	0
Sr1	(cu. yd.)	(cu. yd.)	20+50.00	17	3295	9+75.26	0	0	23+00.00	0	4209	11+50.00	78	1
34+98.95	107	0	20+70.07	0	1717	10+00.00	0	744	23+50.00	0	3345	12+00.00	146	1
35+00.00	0	0				10+50.00	37	1716	24+00.00	0	2341			
35+50.00	4535	0	Station	Uncl. Exc.	Embt	11+00.00	206	470	24+50.00	21	1725	Station	Uncl. Exc.	Embt
36+00.00	4308	0				11+50.00	509	120	25+00.00	21	985			
36+50.00	5077	0	Y3	(cu. yd.)	(cu. yd.)	12+00.00	507	59	25+50.00	266	252	Y6	(cu. yd.)	(cu. yd.)
37+00.00	5316	0	13+00.00	0	0	12+50.00	173	24	26+00.00	852	0	16+57.58	0	0
37+50.00	5371	0	13+50.00	22	0	13+00.00	12	4	26+50.00	1383	0	17+00.00	115	81
38+00.00	5826	0	14+00.00	53	0				27+00.00	1870	0	17+33.96	92	65
38+50.00	5858	0	14+50.00	81	0	Station	Uncl. Exc.	Embt	27+50.00	2216	0			
39+00.00	5399	0	15+00.00	123	0				28+00.00	1950	0	Station	Uncl. Exc.	Embt
39+50.00	4707	0	15+50.00	120	1	Y4	(cu. yd.)	(cu. yd.)	28+50.00	1507	0			
40+00.00	3552	0	16+00.00	77	2	17+44.75	0	0	29+00.00	1611	0	Y9Lpa	(cu. yd.)	(cu. yd.)
40+50.00	2224	0	16+50.00	59	22	17+50.00	9	0	29+50.00	2033	0	4+00.00	0	0
41+00.00	1107	65	17+00.00	63	37	18+00.00	451	38	30+00.00	2793	0	4+50.00	28	25
41+50.00	438	382	17+50.00	89	42	18+20.00	328	31	30+50.00	3273	0	5+00.00	26	34
42+00.00	580	1120	18+00.00	81	43				31+00.00	2887	0	5+50.00	334	51
42+50.00	864	2376	18+50.00	52	27	Station	Uncl. Exc.	Embt	31+50.00	2009	60	6+00.00	584	75
43+00.00	884	2468	19+00.00	73	14				32+00.00	995	462	6+50.00	397	145
43+50.00	568	1457	19+50.00	120	5	Y4	(cu. yd.)	(cu. yd.)	32+50.00	395	1039	7+70.00	651	487
44+00.00	130	631	20+00.00	148	0	23+13.60	0	0	33+00.00	173	1521			
44+50.00	353	115	20+50.00	211	0	23+50.00	329	0	33+50.00	68	1845	Station	Uncl. Exc.	Embt
45+00.00	906	73	21+00.00	246	0	23+89.98	352	0	34+00.00	30	1799			
45+50.00	1076	41	21+50.00	211	0				34+50.00	12	1277	Y9Rpc	(cu. yd.)	(cu. yd.)
46+00.00	753	27	22+00.00	110	147	Station	Uncl. Exc.	Embt	35+00.00	31	484	7+50.00	0	0
46+50.00	354	23	44+50.00	0	0				35+50.00	42	101	8+00.00	53	0
47+00.00	263	15	45+00.00	0	0	Y5	(cu. yd.)	(cu. yd.)	36+00.00	22	204	8+50.00	45	0
47+50.00	313	5	45+50.00	0	0	10+00.00	0	0	36+50.00	48	270	10+00.00	125	0
48+00.00	178	2	46+00.00	0	0	10+50.00	31	25	37+00.00	120	140			
48+50.00	32	29	46+50.00	0	0	11+00.00	113	72	37+50.00	161	30			
49+00.00	22	29	47+00.00	0	0	11+50.00	162	114	38+00.00	154	25			
			47+50.00	0	0	12+00.00	155	152	38+50.00	156	30			



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140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

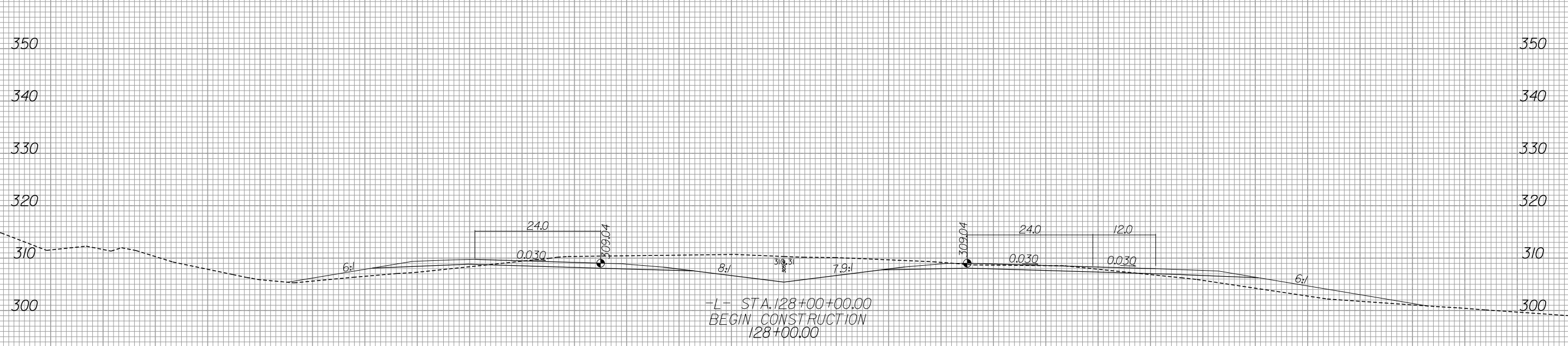
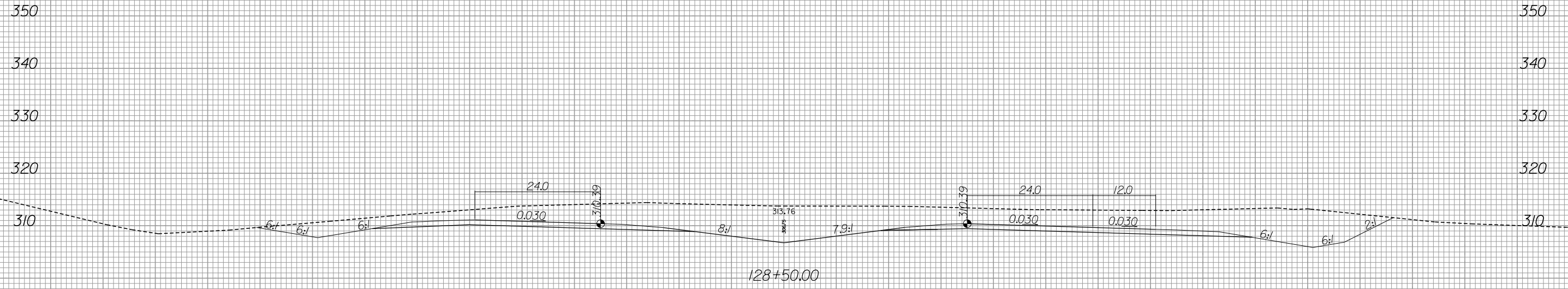
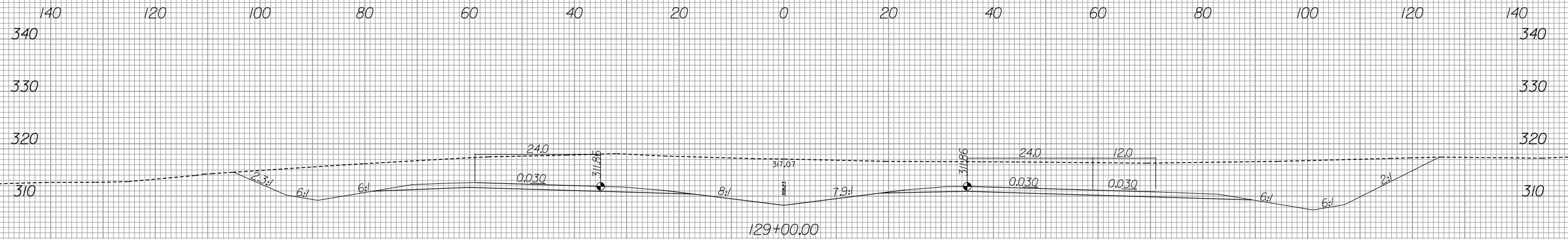
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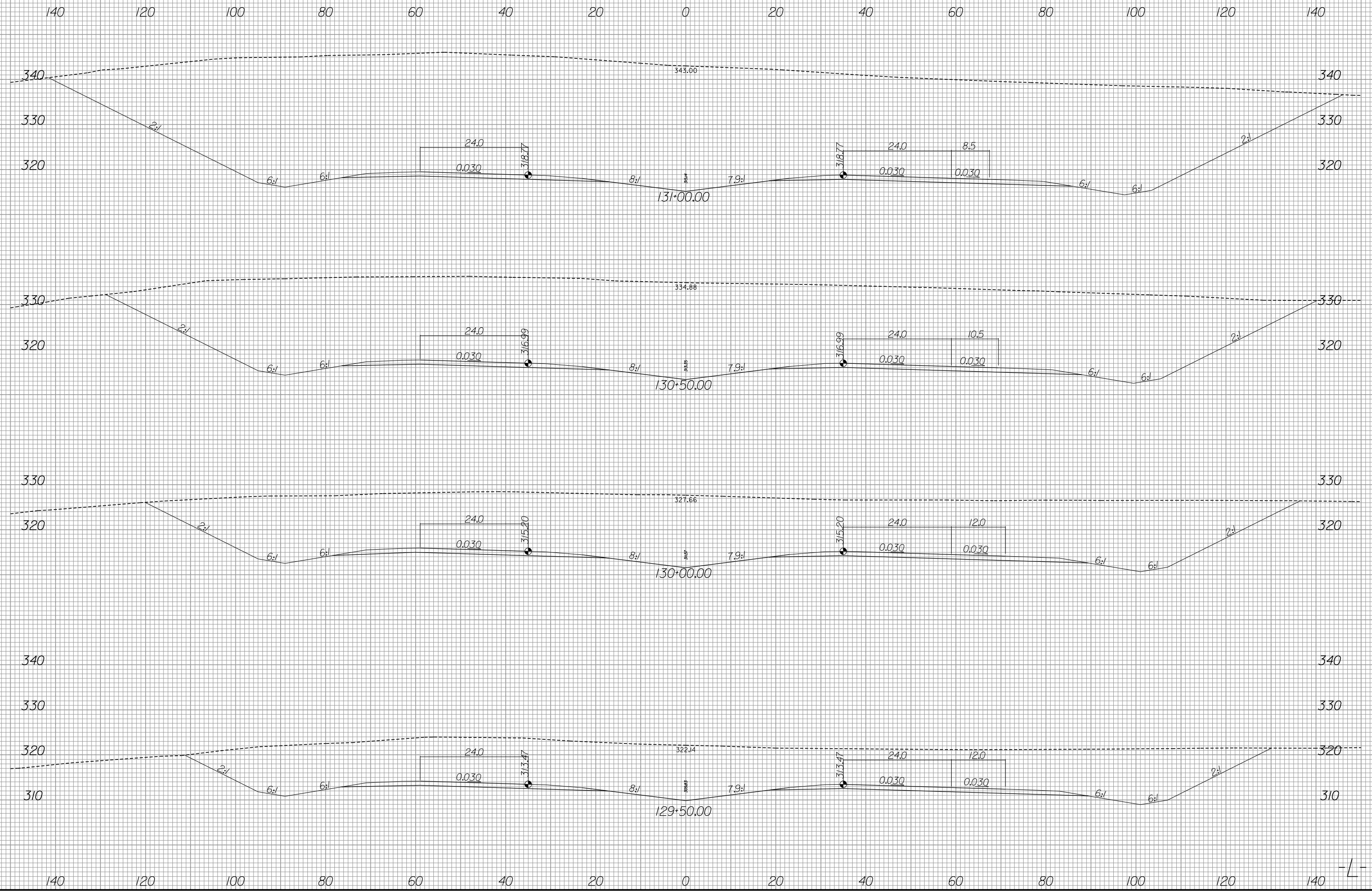
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-2



6/13/2019
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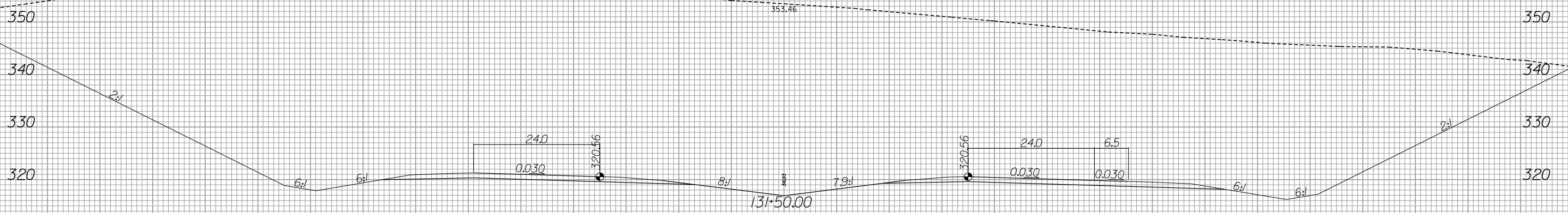
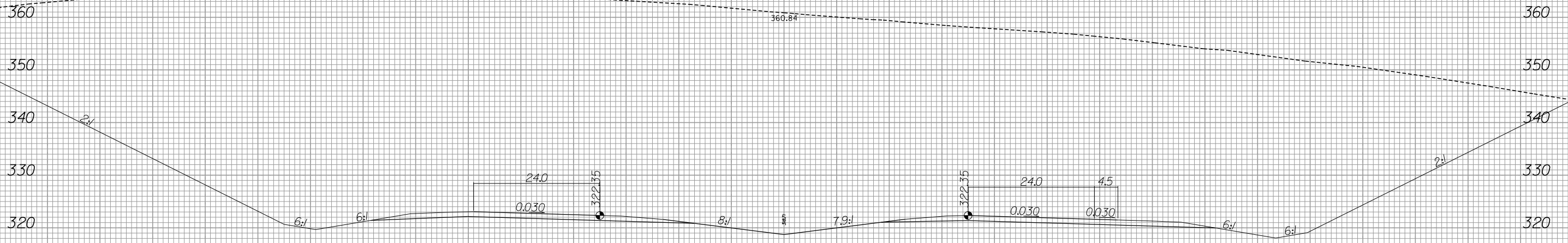
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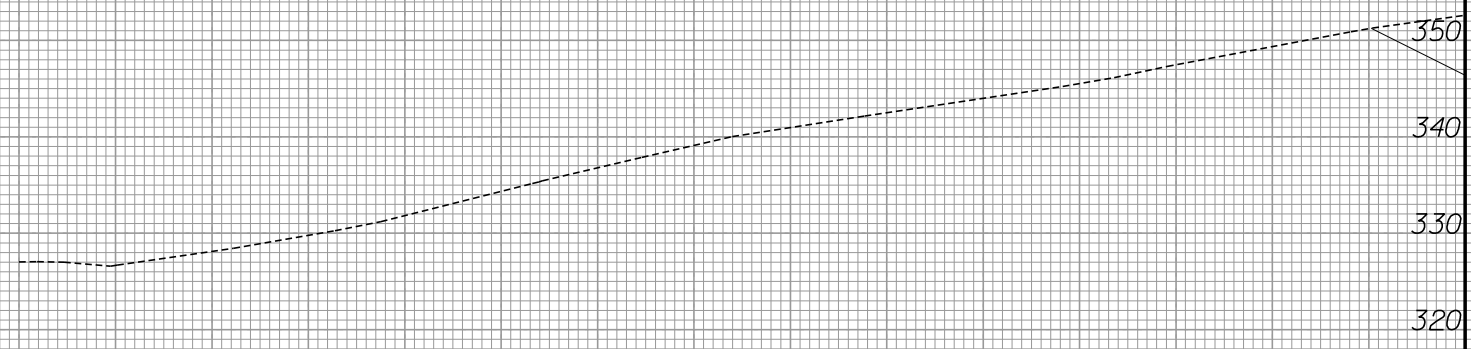
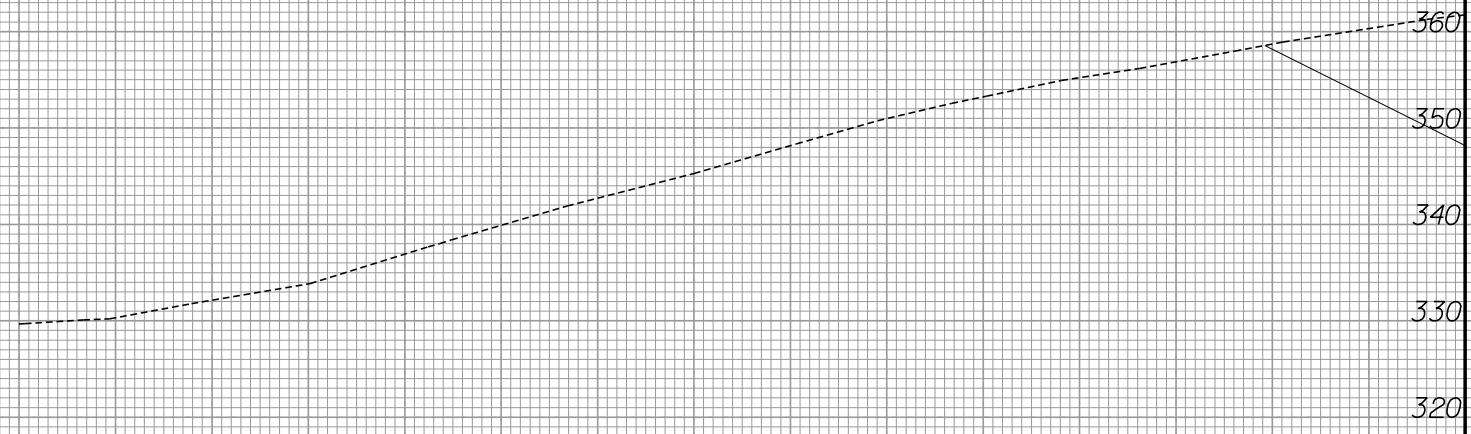
MATCH TO SHEET X-5



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MATCH TO SHEET X-4

360
350
340
330
320

350
340
330
320

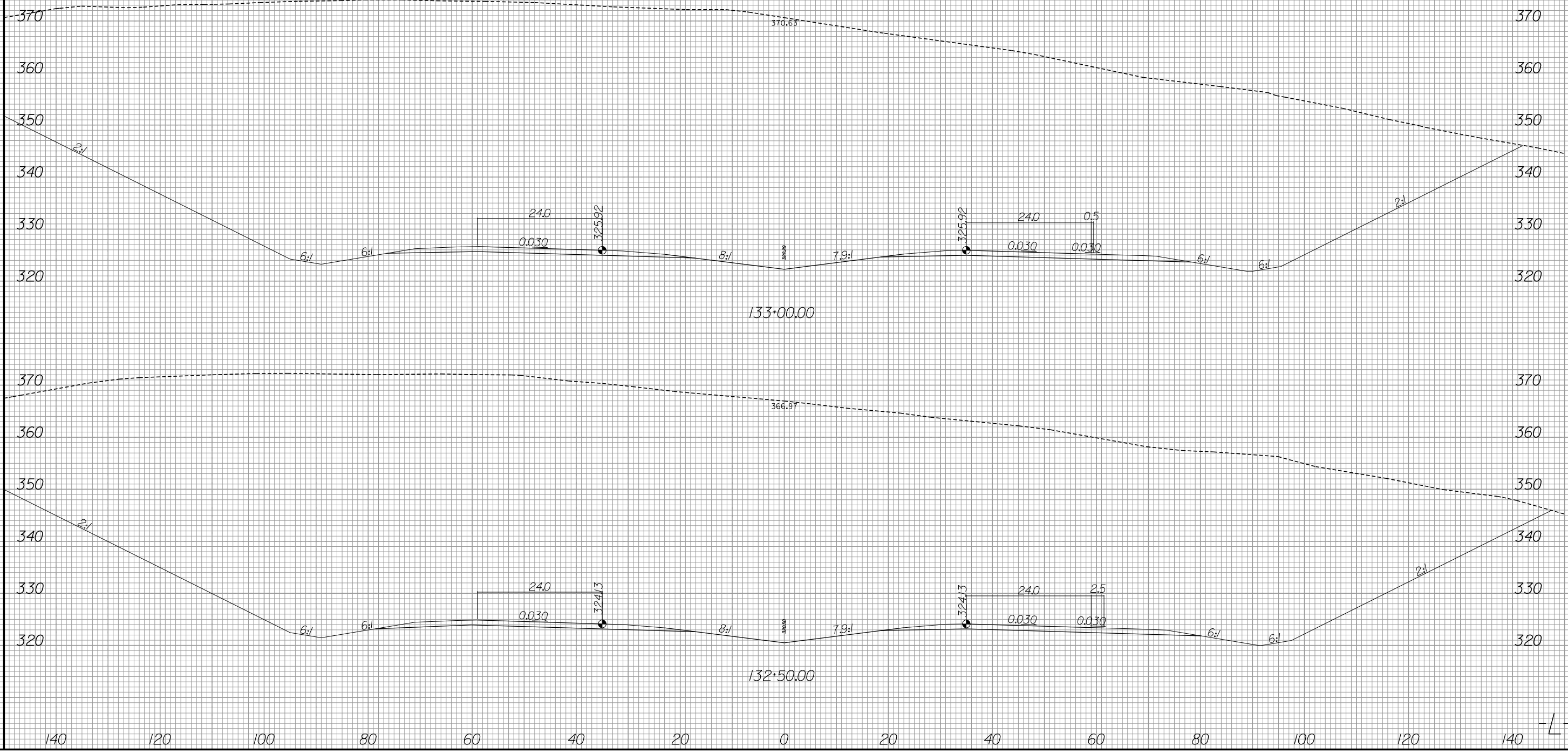
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140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-7





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

370
360
350
340
330
320
370
360
350
340
330
320

MATCH TO SHEET X-6

-L-



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

380 380

370 370

360 360

350 350

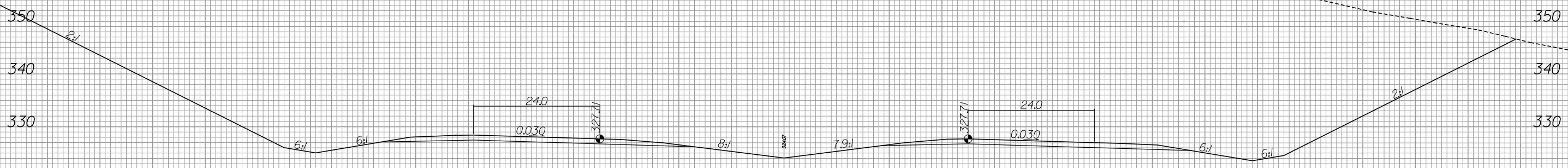
340 340

330 330

320 320

310

MATCH TO SHEET X-9



133+50.00

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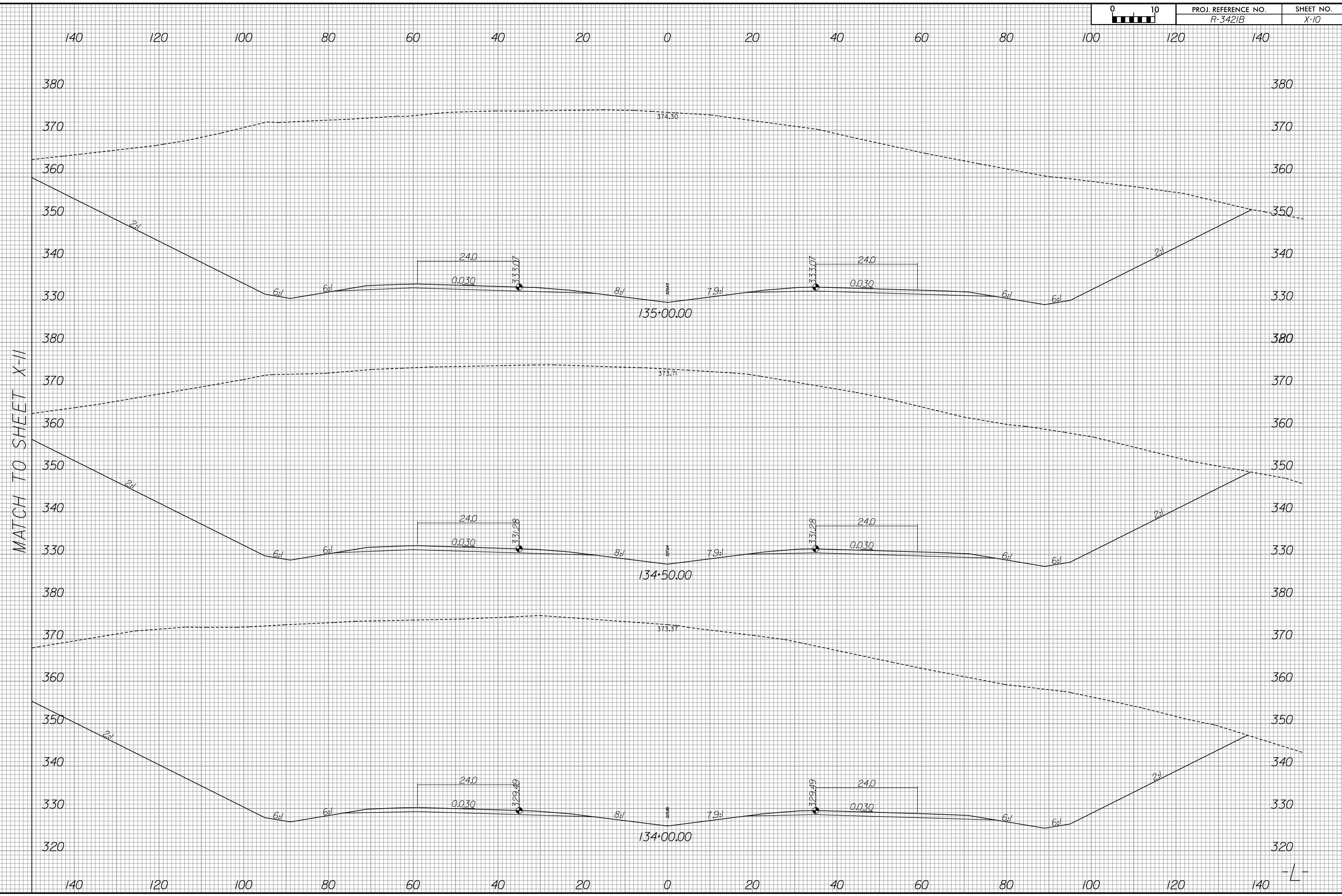
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380
370
360
350
340
330
320

MATCH TO SHEET X-8

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



MATCH TO SHEET X-11



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

380
370
360
350
340
330
380
370
360
350
340
330
380
370
360
350
340
330
320

MATCH TO SHEET X-10

-L-

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

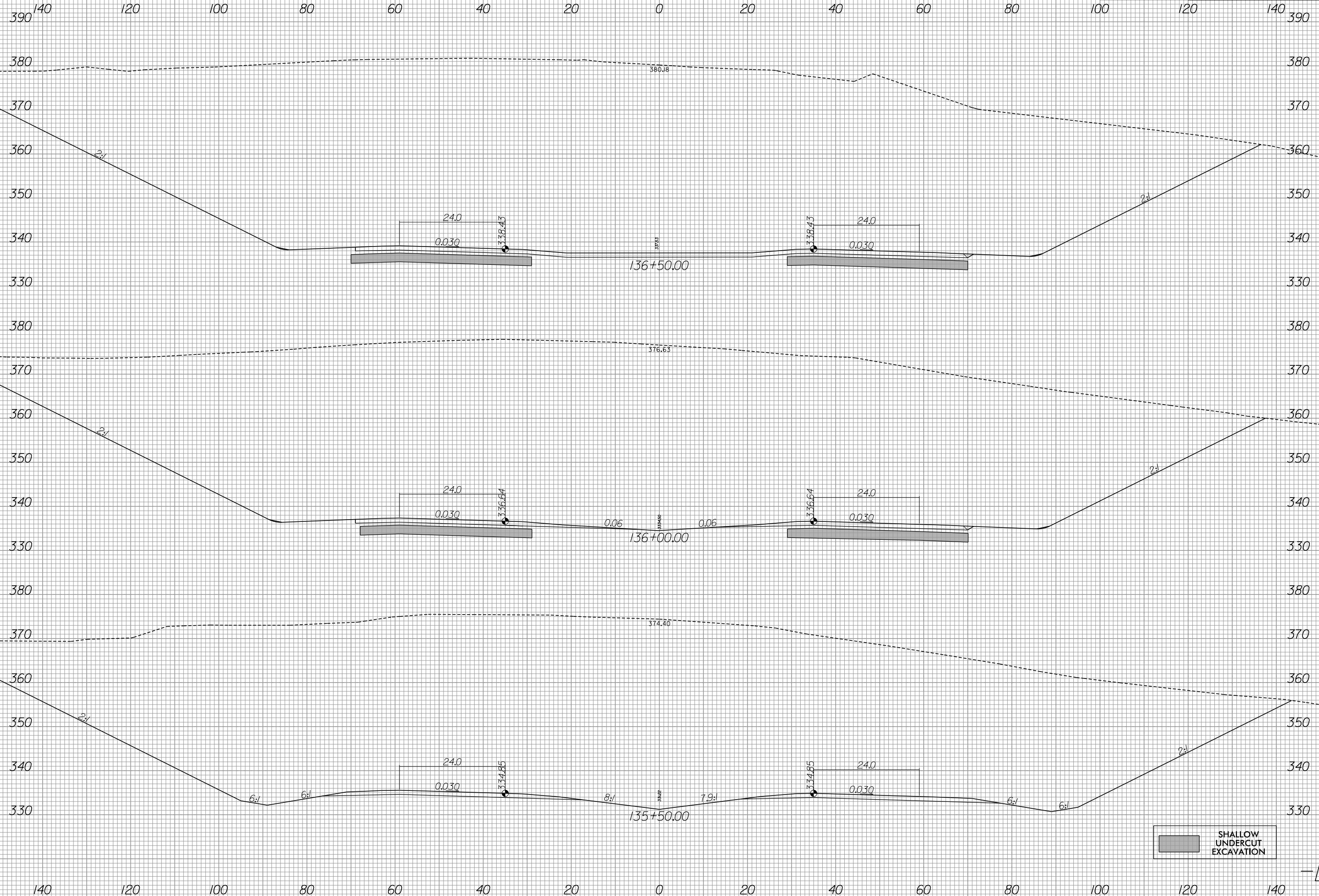
8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-12

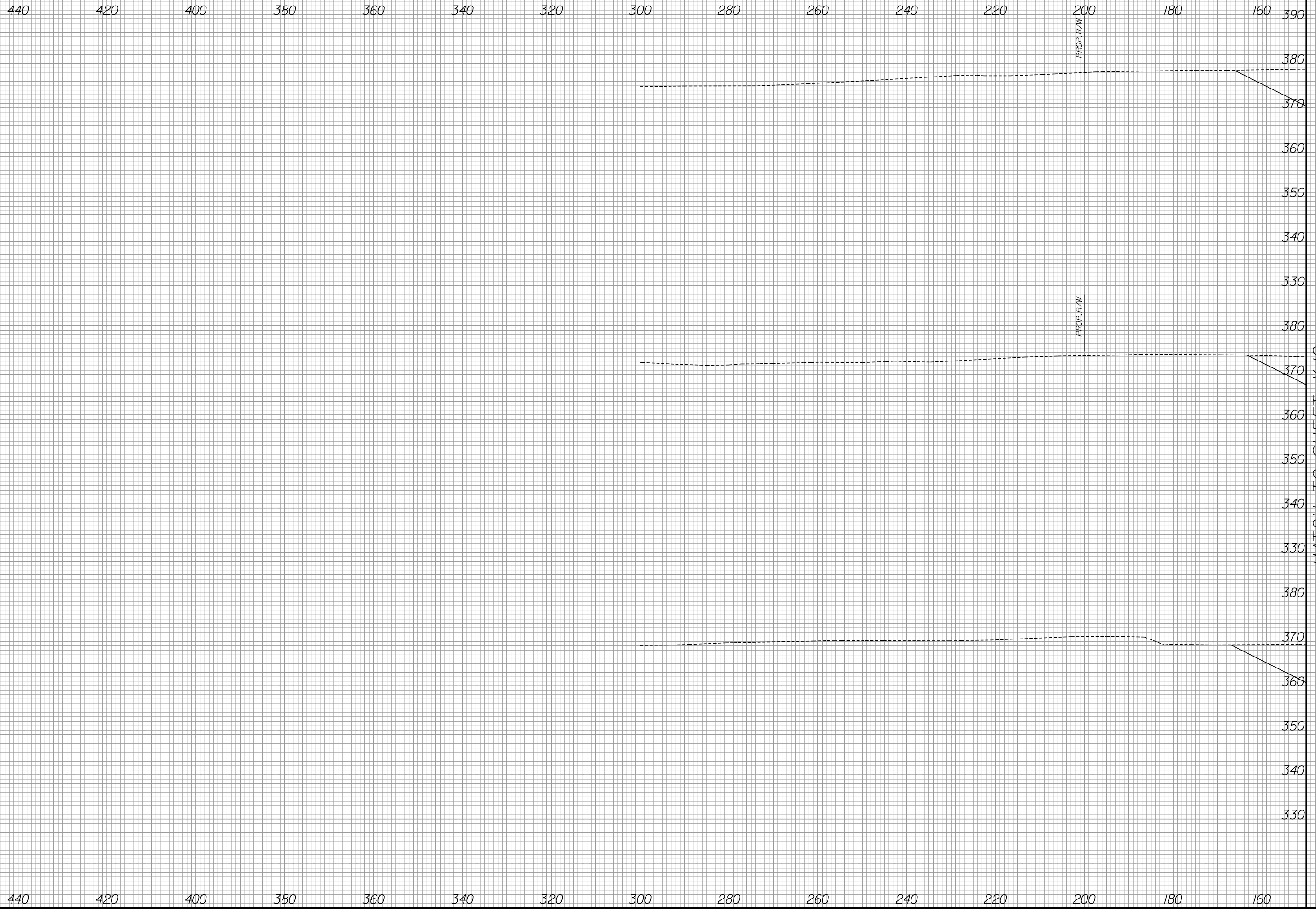
MATCH TO SHEET X-13



SHALLOW UNDERCUT EXCAVATION

6/13/2019
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MATCH TO SHEET X-12

-L-

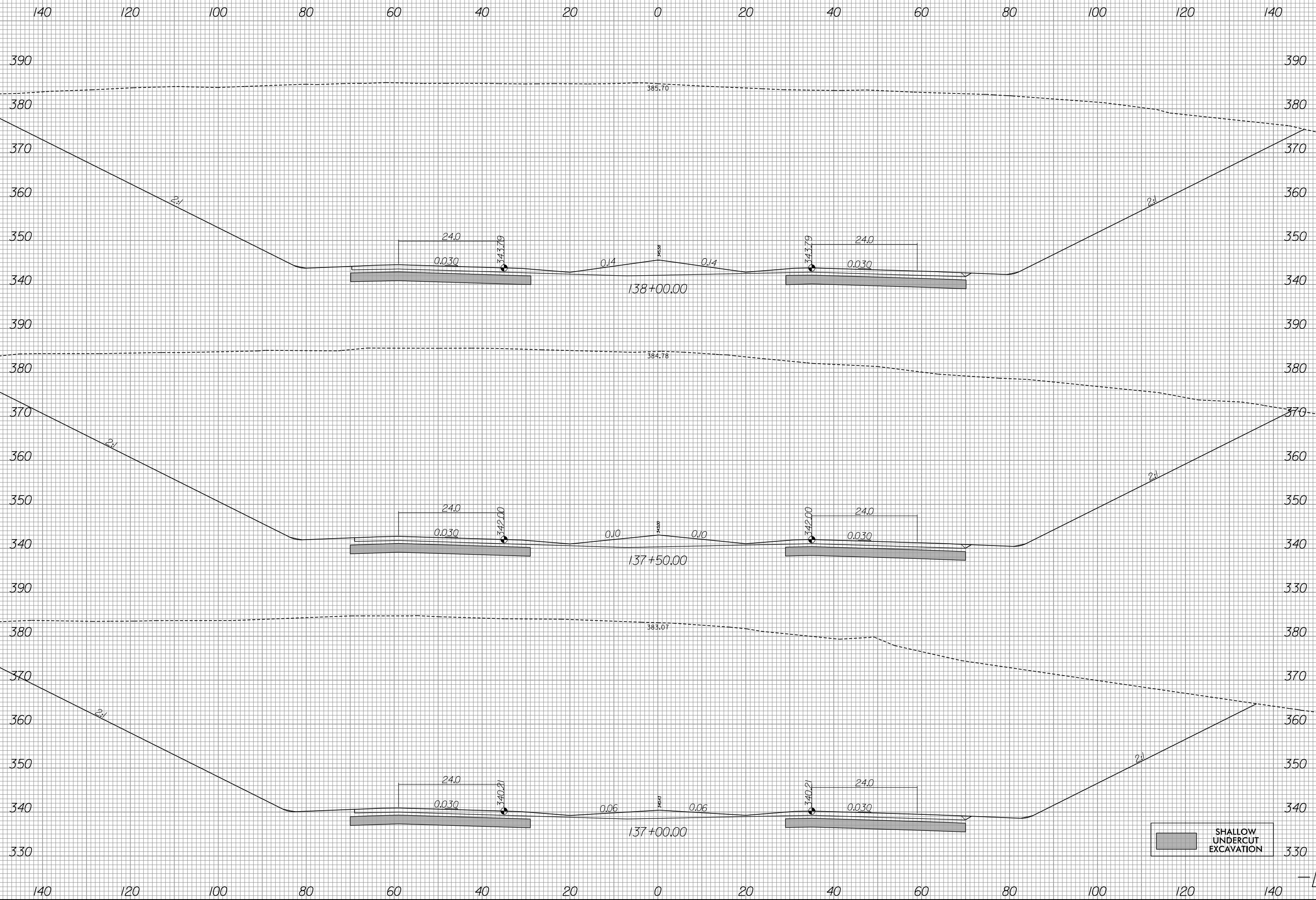
8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-14

MATCH TO SHEET X-15



6/13/2019
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gaugsborg

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

390
380
370
360
350
340
390
380
370
360
350
340
390
380
370
360
350
340
330

MATCH TO SHEET X-14

PROP. R/W

PROP. R/W

PROP. R/W

PROP. R/W

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

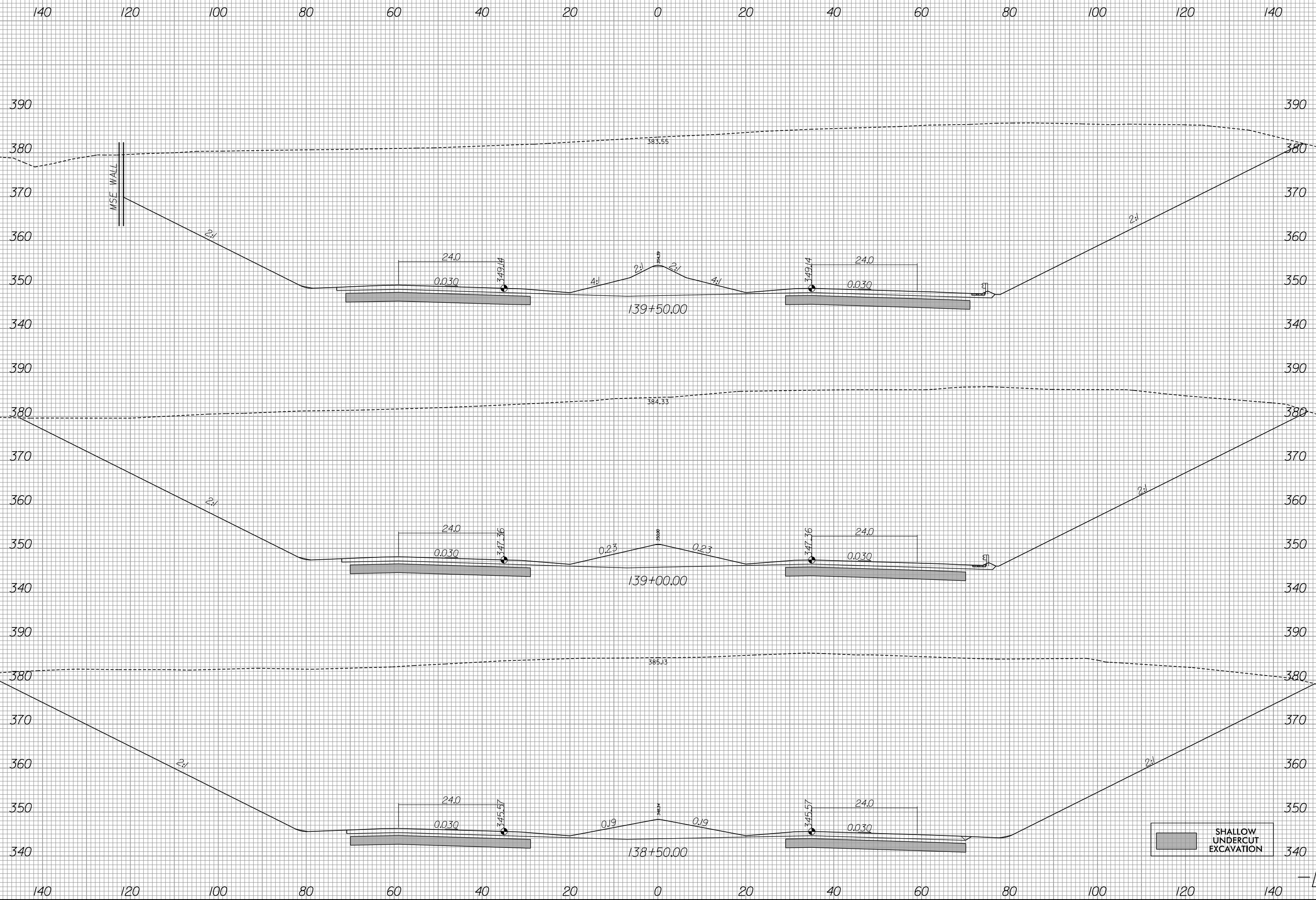
8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-16

MATCH TO SHEET X-17



SHALLOW UNDERCUT EXCAVATION

6/13/2019
R:\Roadway\Xsc\3421b_rdy_xpl_L1.dgn
gaugsborg

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

390
380
370
360
350
340
390
380
370
360
350
340
390
380
370
360
350
340

PROP. C/A

PROP. R/W

MATCH TO SHEET X-16

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

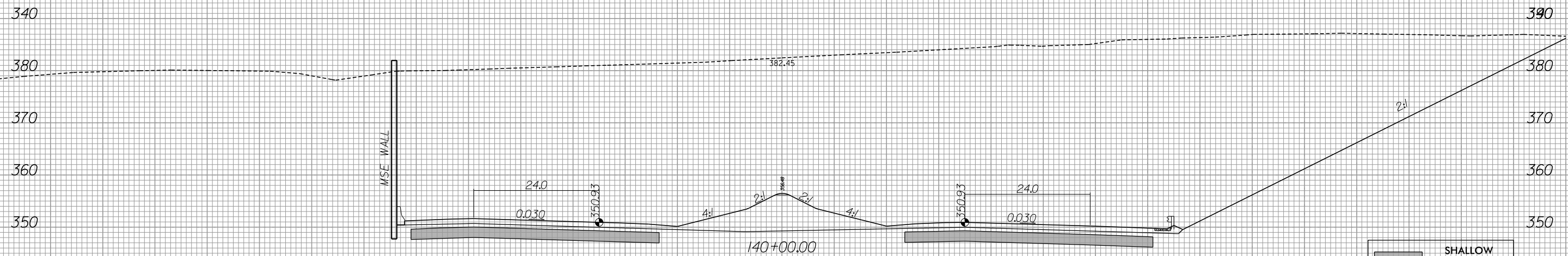
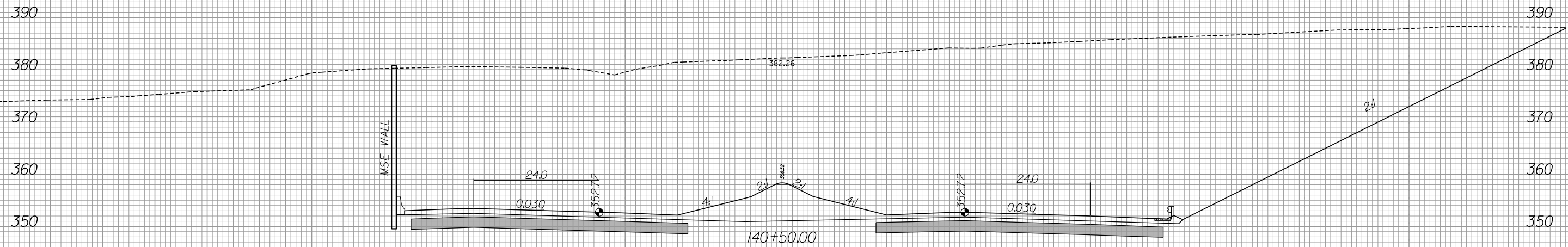
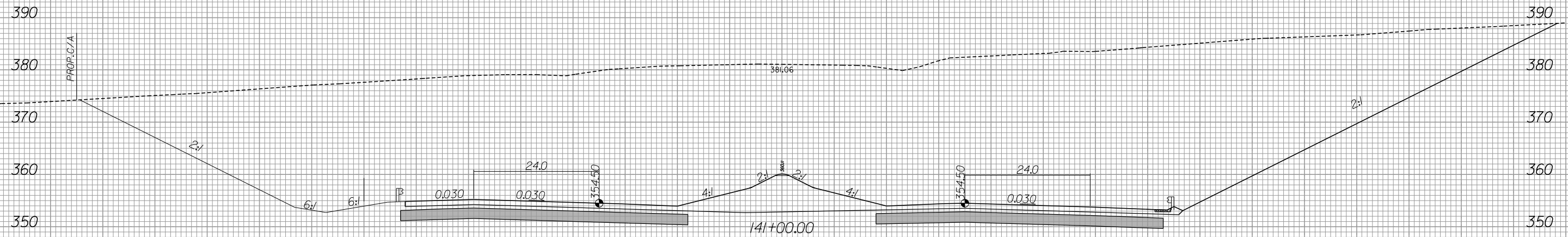
8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-18

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SHALLOW UNDERCUT EXCAVATION

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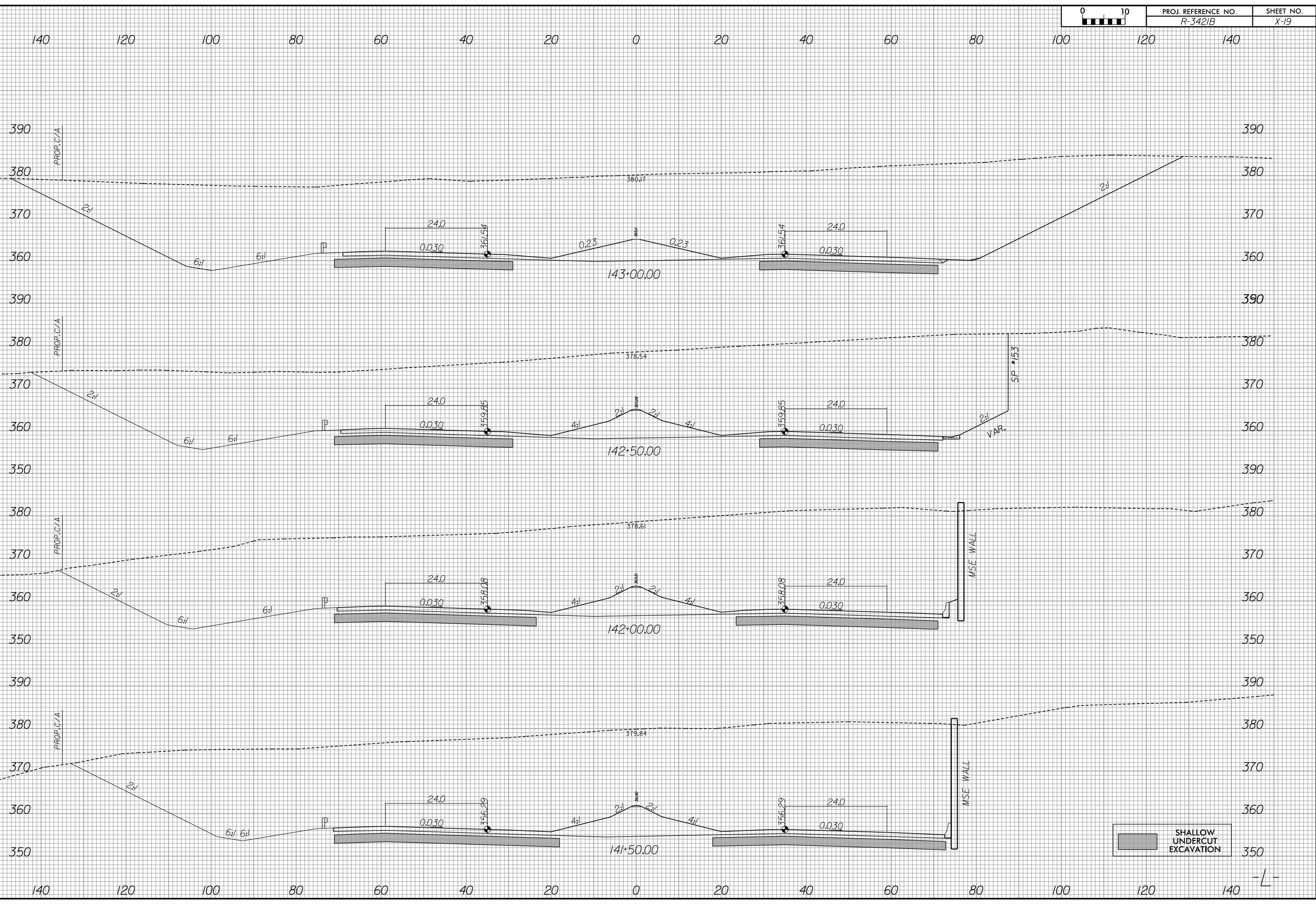
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gaugsburg

-L-

8/23/99



MATCH TO SHEET X-20



SHALLOW UNDERCUT EXCAVATION

-L-

9/24/2020
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condi.tbl:per

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-20

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

390
380
370
360
390
380
370
360
350
380
370
360
390
380
370
360
350

MATCH TO SHEET X19

PROP. R/W

PROP. R/W

PROP. R/W

S.S. 378.40

-SRIREV-
15+51.99

S.S. 379.75

2.02:1

4.04:1

0.046

0.045

4.04:1

2.02:1

368.18

369.61

-SRIREV-
14+99.42

S.S. 374.48

S.S. 373.93

2.08:1

4:1

0.055

0.055

4:1

4:1

368.59

370.34

12.4

12.4

SHALLOW UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

9/24/2020
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
condi.tbl

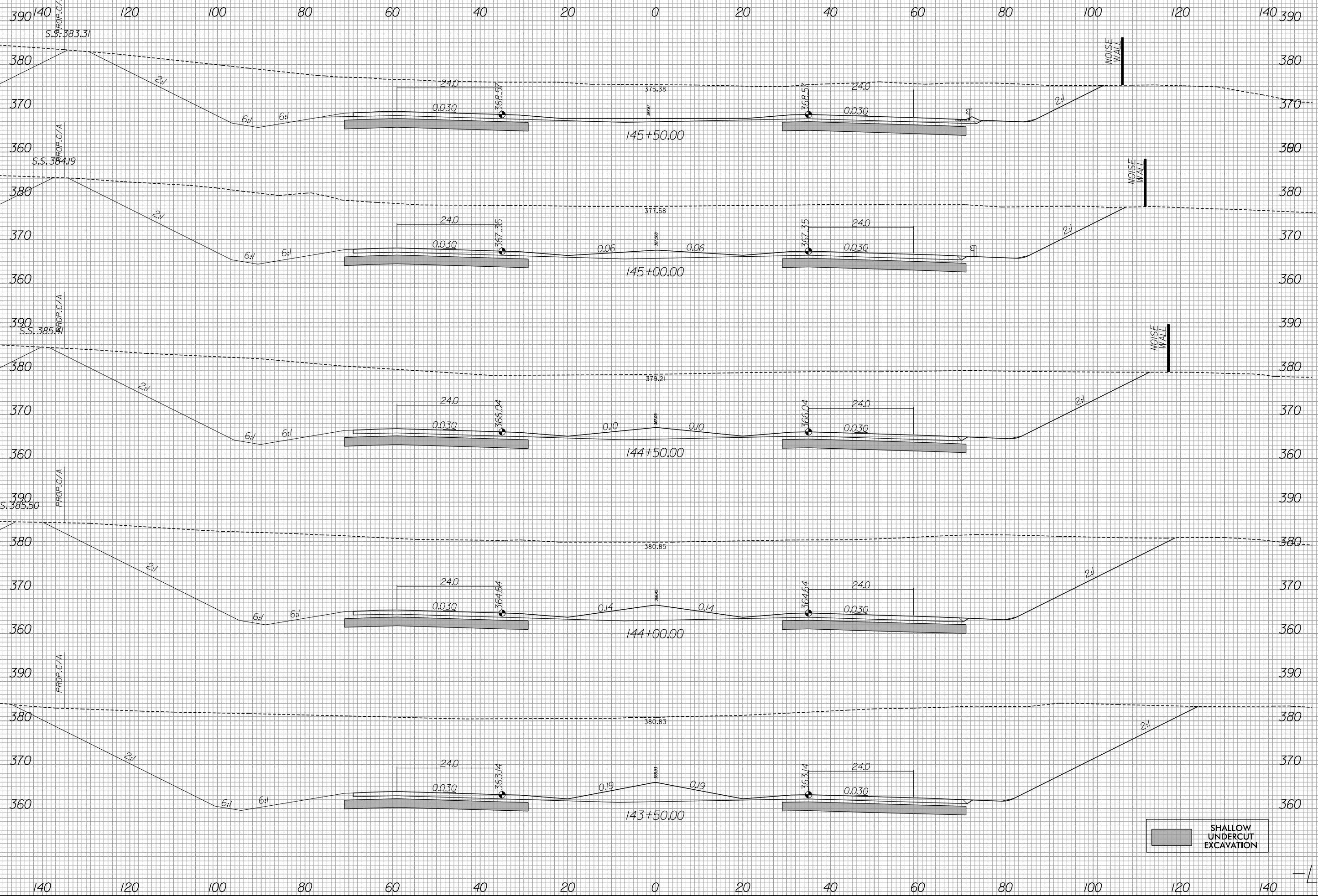
8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-21

MATCH TO SHEET X-22



SHALLOW UNDERCUT EXCAVATION

3/2/2020
R:\Roadway\Xsc\R-3421b_rdy_xpl_L1.dgn
0:05

-L-

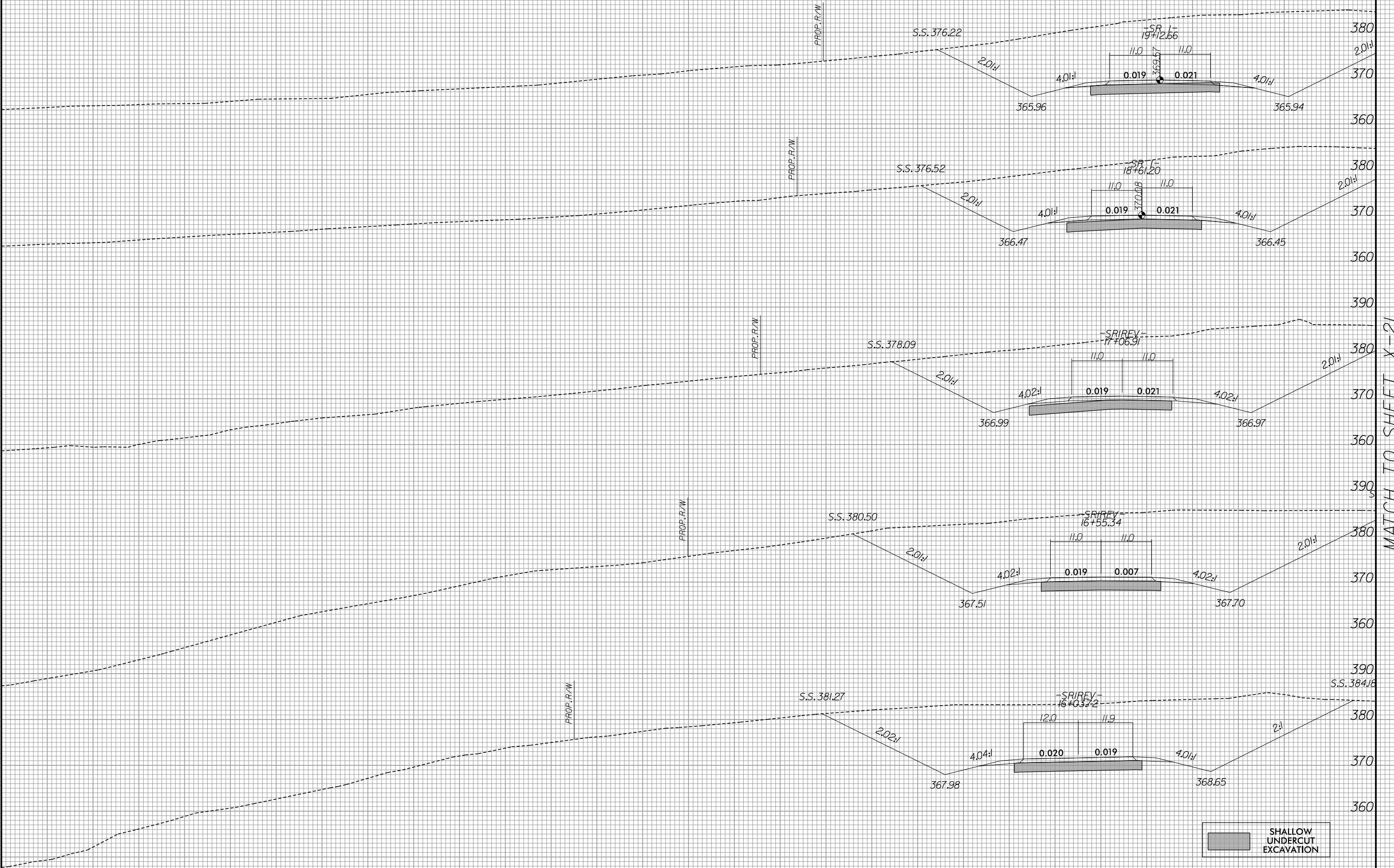
8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-22

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160 390



MATCH TO SHEET X-21

-L-

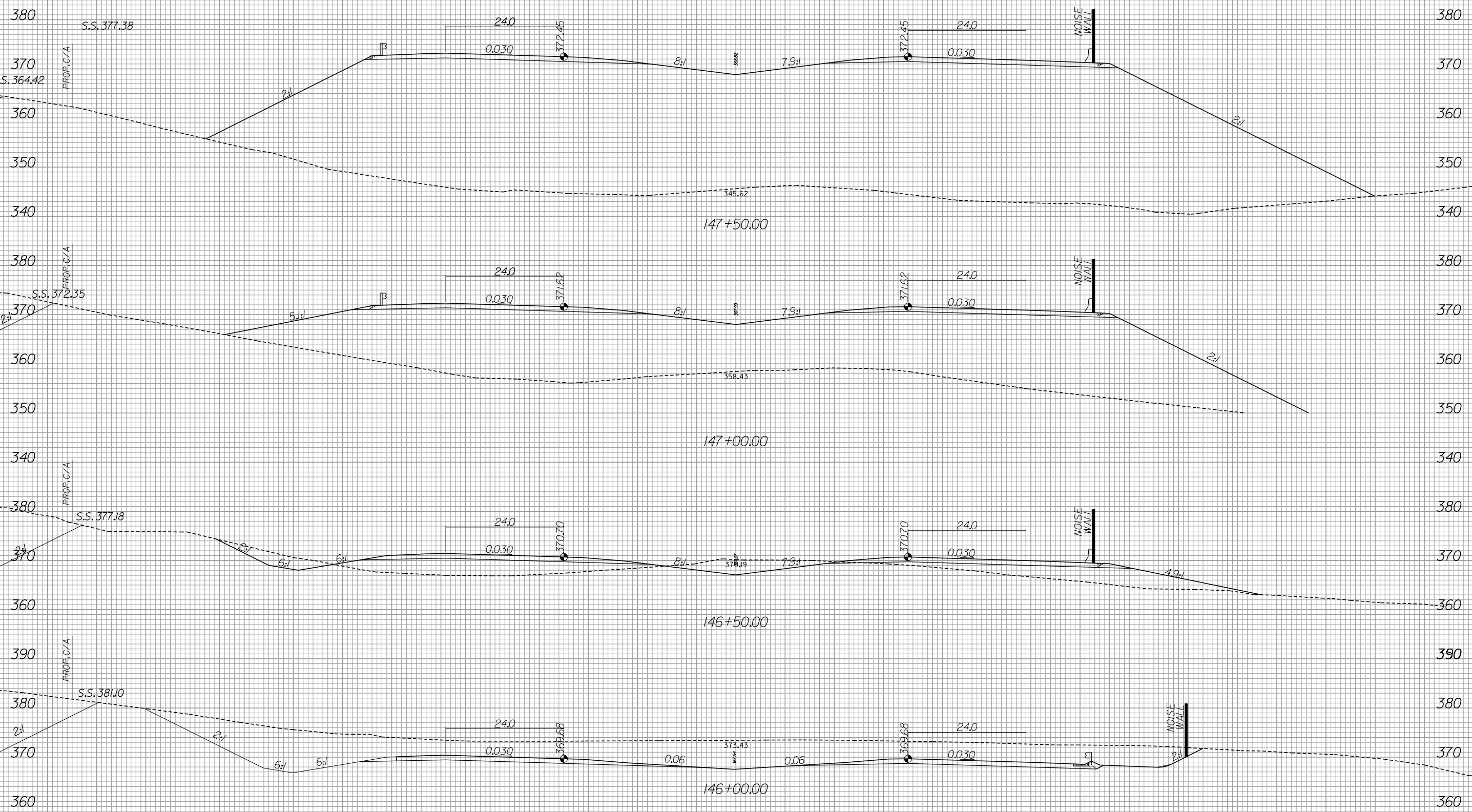
3/2/2020
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0:05:50

8/23/99



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-24



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

3/2/2020 R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-24

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

380
370
360
350
340
380
370
360
350
340
380
370
360
390
380
370
360

MATCH TO SHEET X-23

PROP. R/W

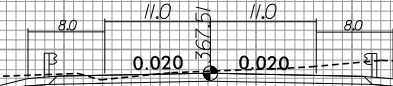
PROP. R/W

PROP. R/W

PROP. R/W

S.S. 369.70

SP 1-
21+18.02

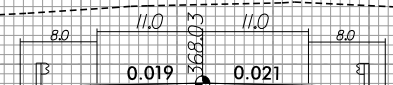


363.67

363.69

S.S. 372.63

SP 1-
20+66.74

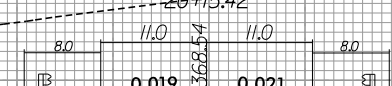


364.18

364.17

S.S. 373.46

SP 1-
20+15.42

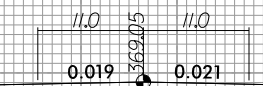


364.69

364.68

S.S. 374.81

SP 1-
19+64.06



365.44

365.43



SHALLOW
UNDERCUT
EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

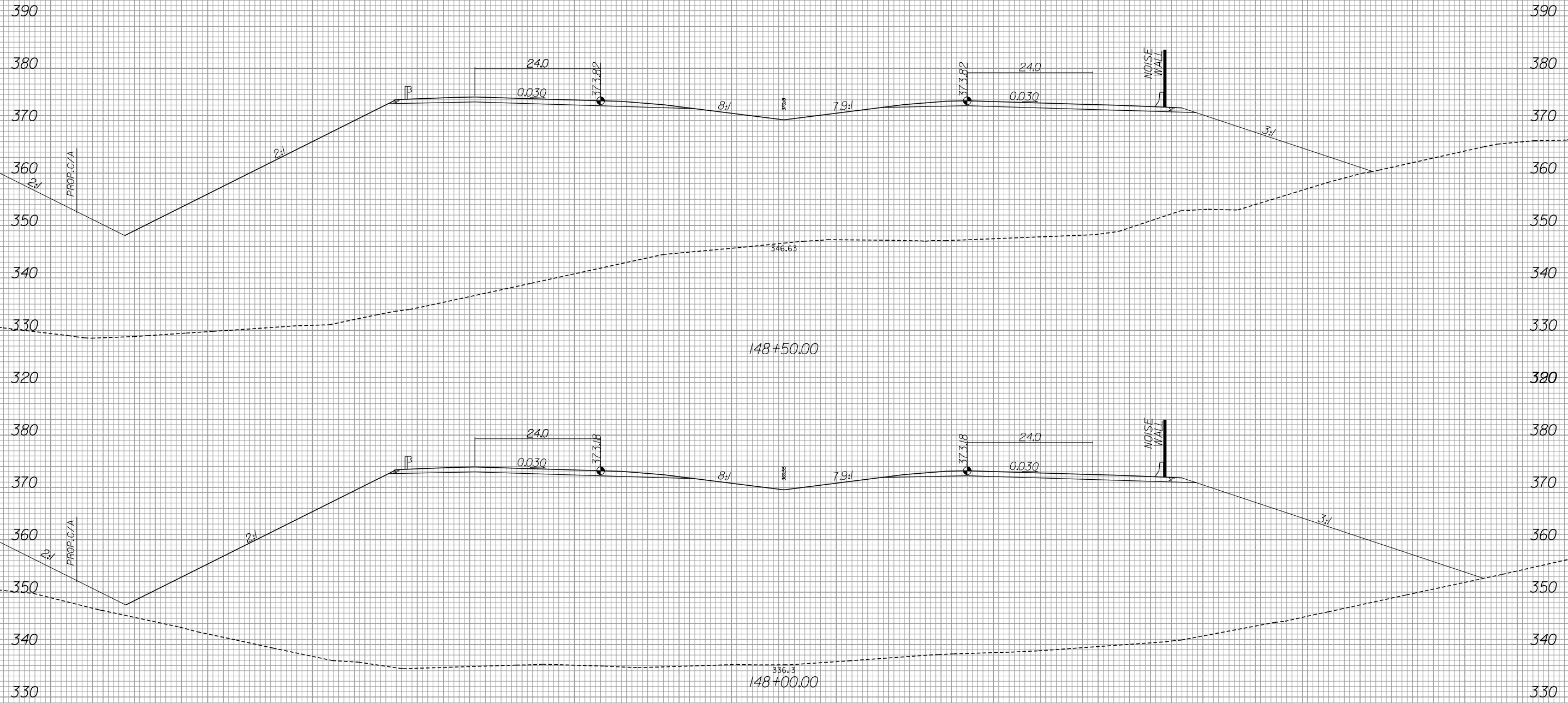
-L-

3/2/2020
R:\Roadway\Xsc\R-3421b_rdy_xpl.L1.dgn
0:05:56



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-26



8/23/99



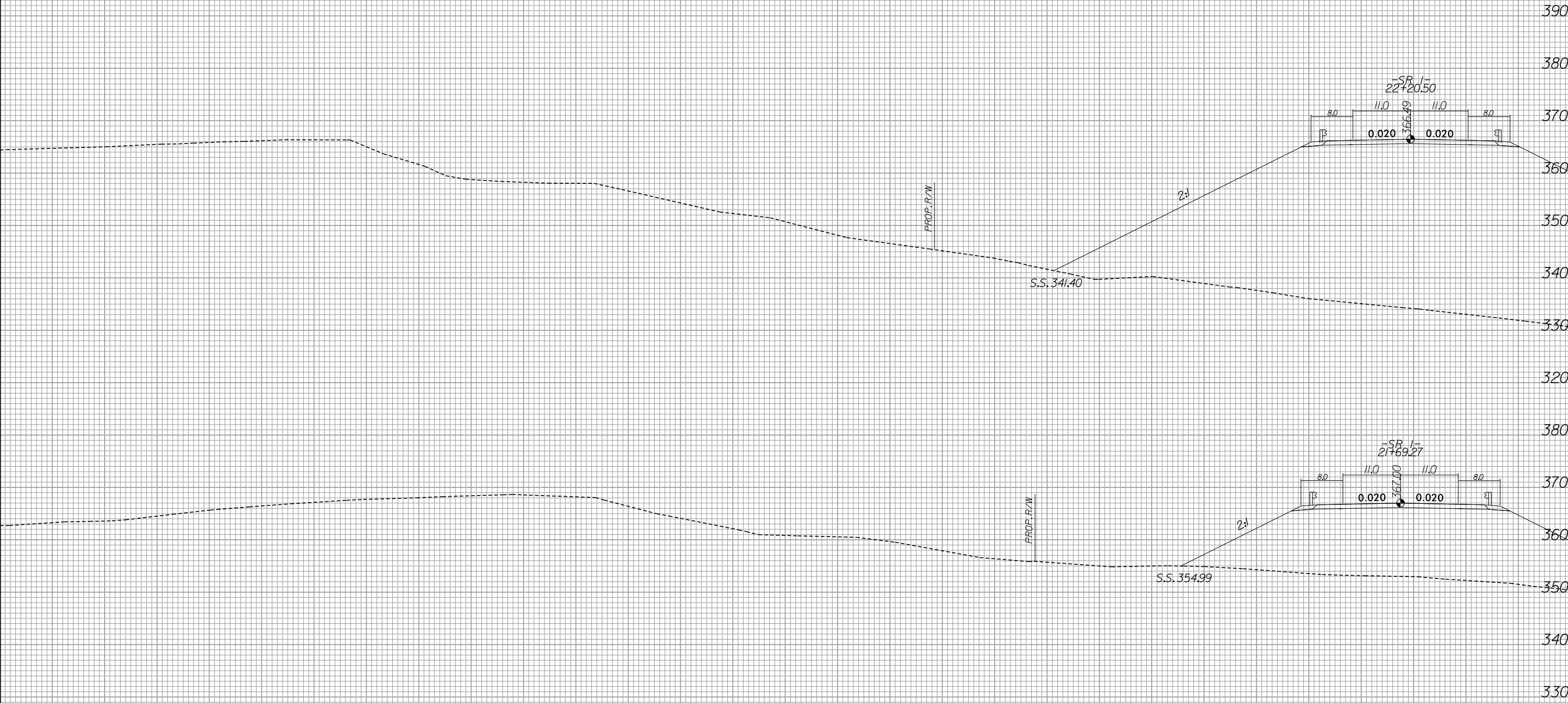
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-26

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

390
380
370
360
350
340
330
320
380
370
360
350
340
330

MATCH TO SHEET X-25



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

3/2/2020
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
0:05:16

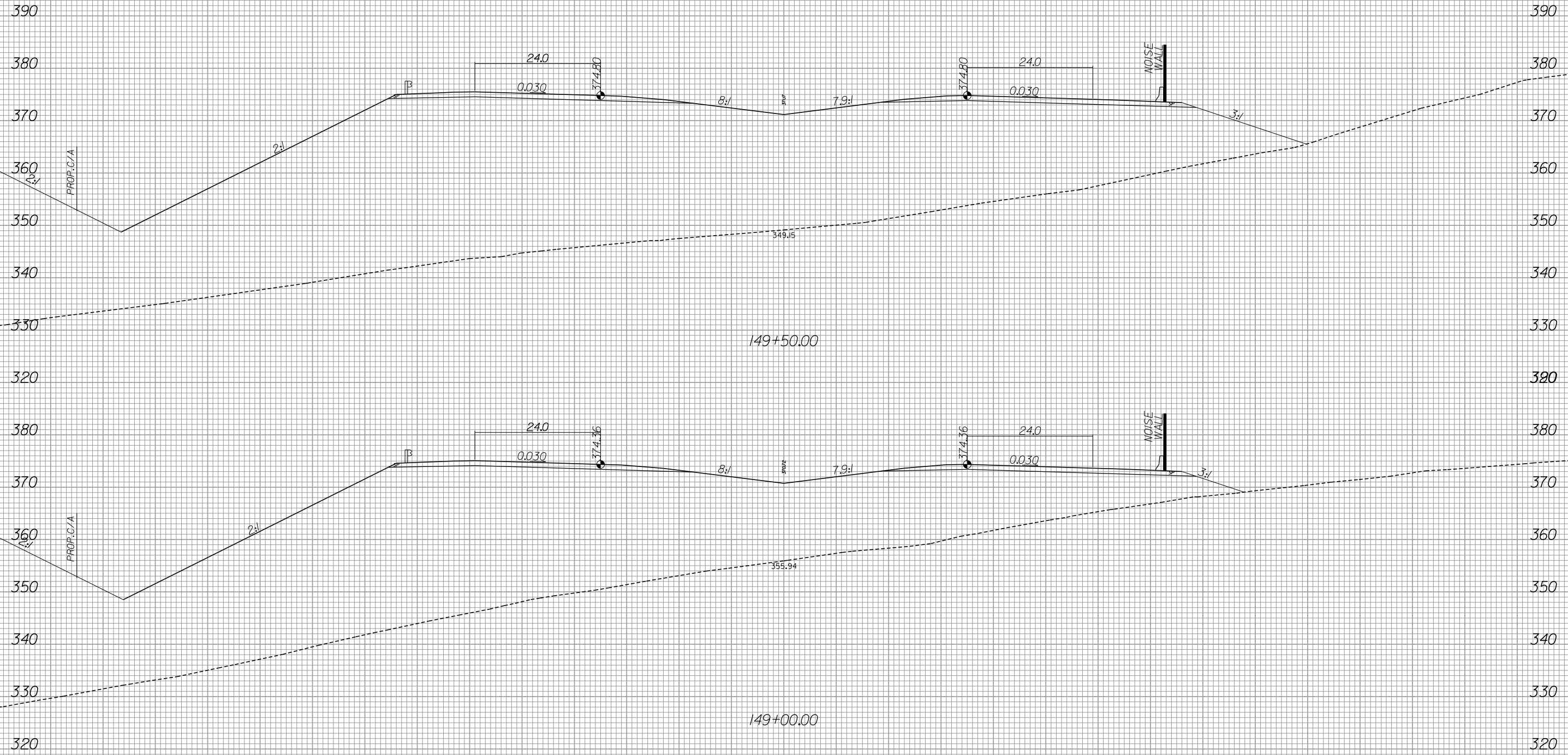
8/23/99



PROJ. REFERENCE NO. R-3421B	SHEET NO. X-27
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140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-28



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

3/2/2020
R:\Roadway\Xsec\3421b_rdy_xpl.L1.dgn
0:05:00

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-28

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

390
380
370
360
350
340
330
320
380
370
360
350
340
330
320

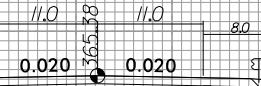
MATCH TO SHEET X-27

PROP. R/W

S.S. 319.88

2:1

-SR L-
23+22.88

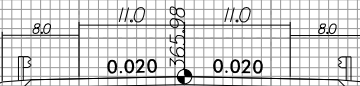


PROP. R/W

S.S. 328.07

2:1

-SR L-
22+71.70



UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

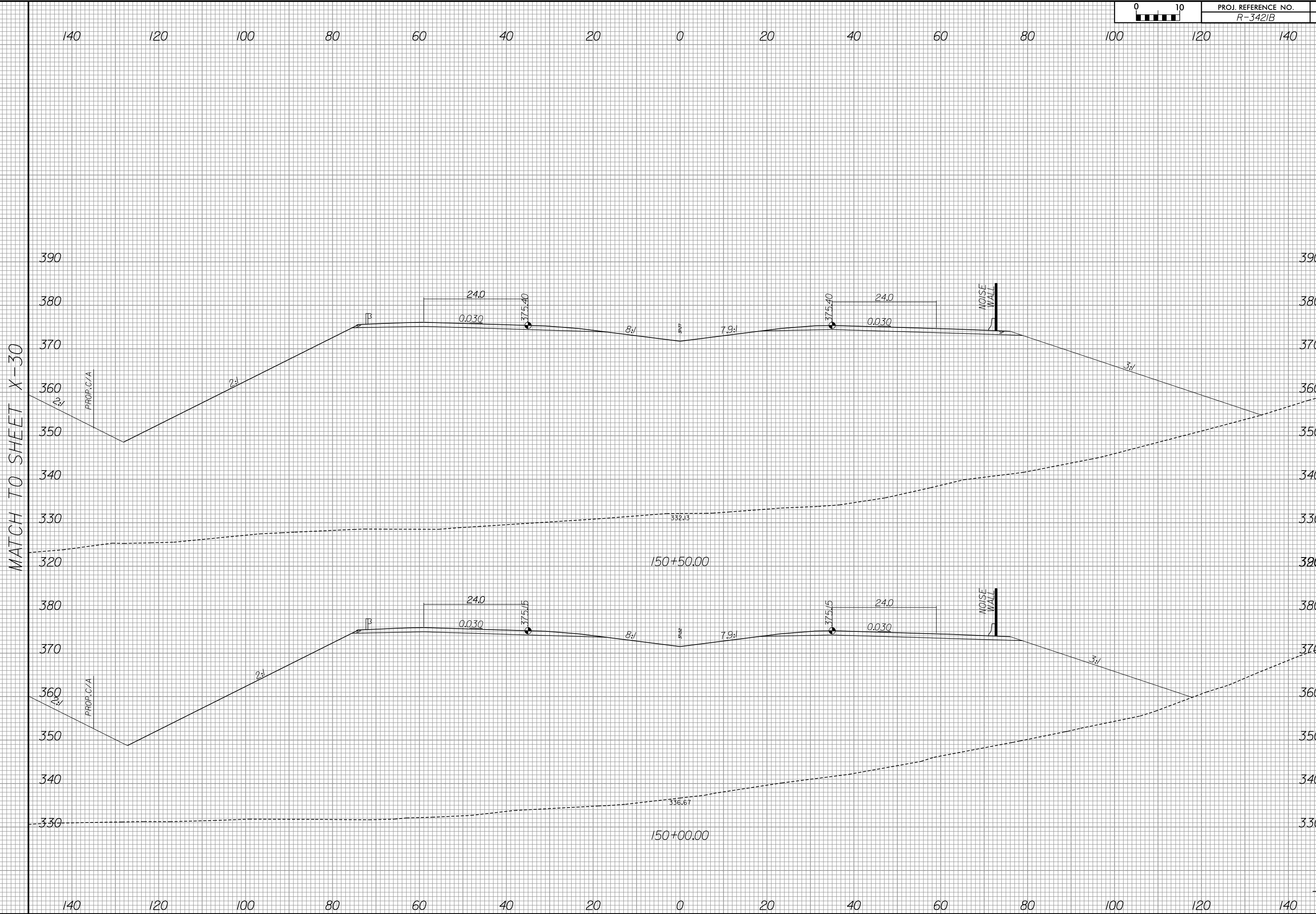
-L-

3/2/2020
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
0:05:16

8/23/99



PROJ. REFERENCE NO. R-3421B	SHEET NO. X-29
--------------------------------	-------------------



3/2/2020
R:\Roadway\Xsec\3421b_rdy_xpl.L1.dgn
2:05:56

-L-

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-30

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

390
380
370
360
350
340
330
320
380
370
360
350
340
330

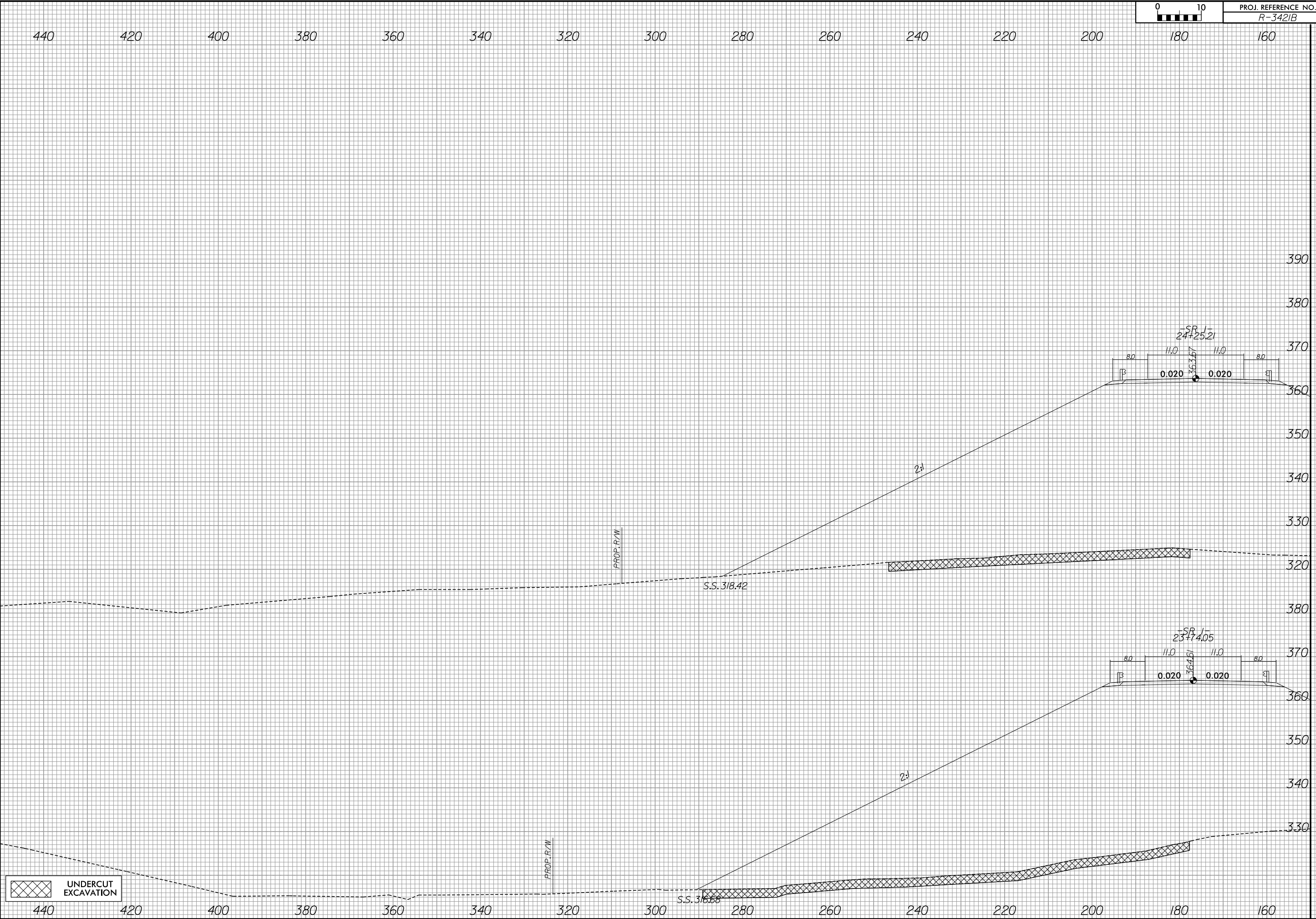
MATCH TO SHEET X-29

UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

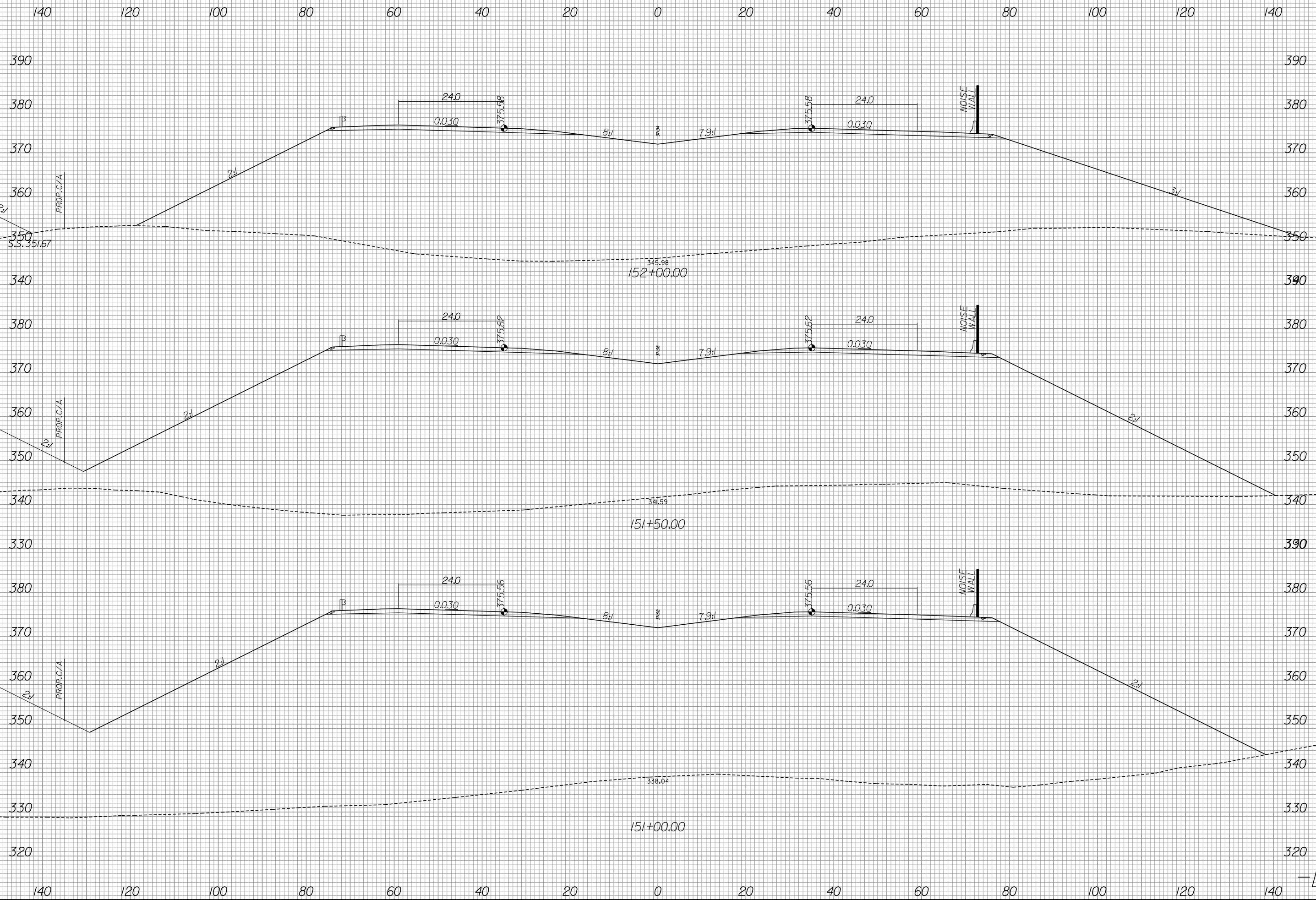
-L-

3/2/2020
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
0:05:10





MATCH TO SHEET X-32



8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-32

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

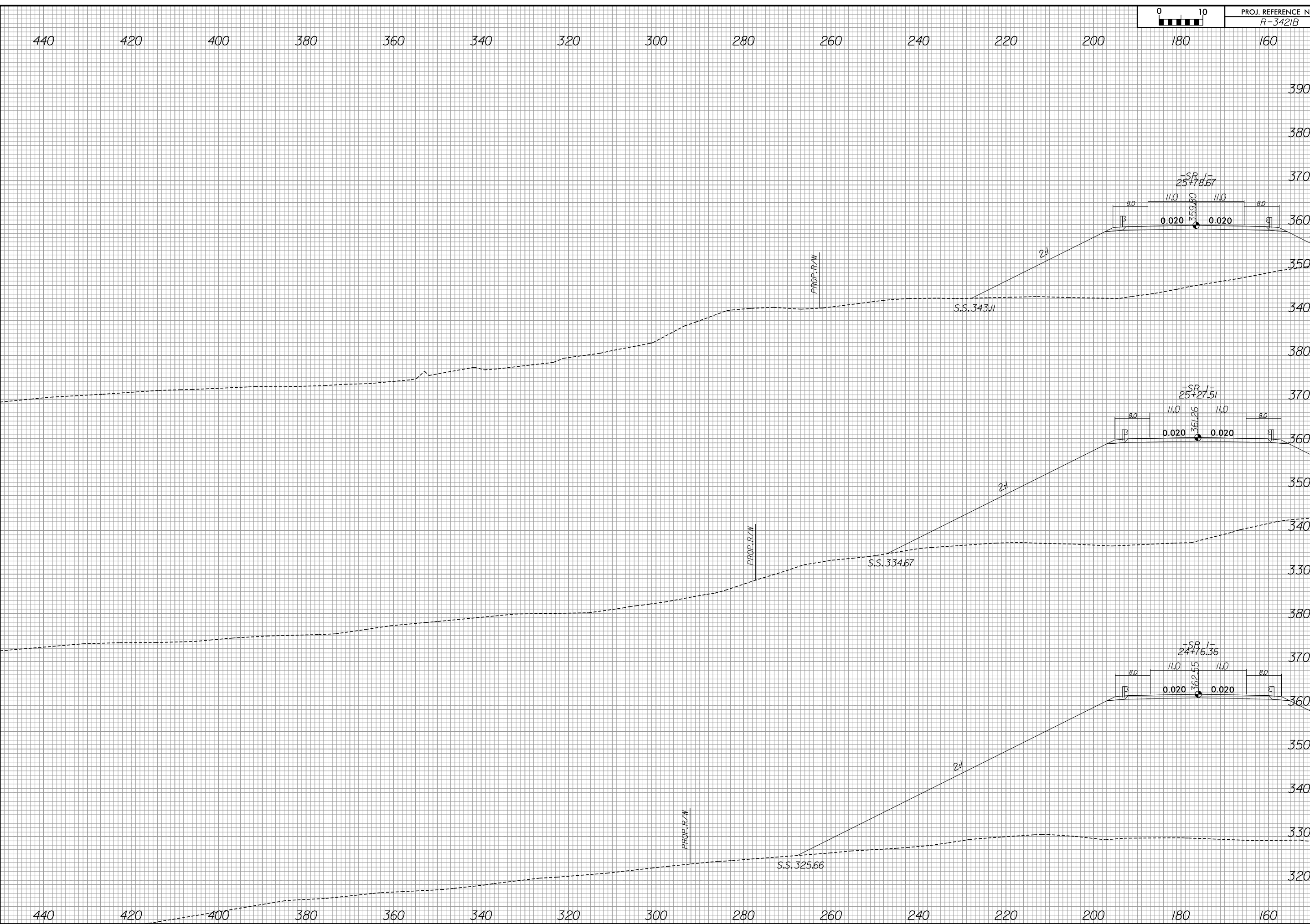
390
380
370
360
350
340
380
370
360
350
340
380
370
360
350
340
370
360
350
340
330
380
370
360
350
340
330
320

MATCH TO SHEET X-31

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

6/13/2019
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gaugsborg



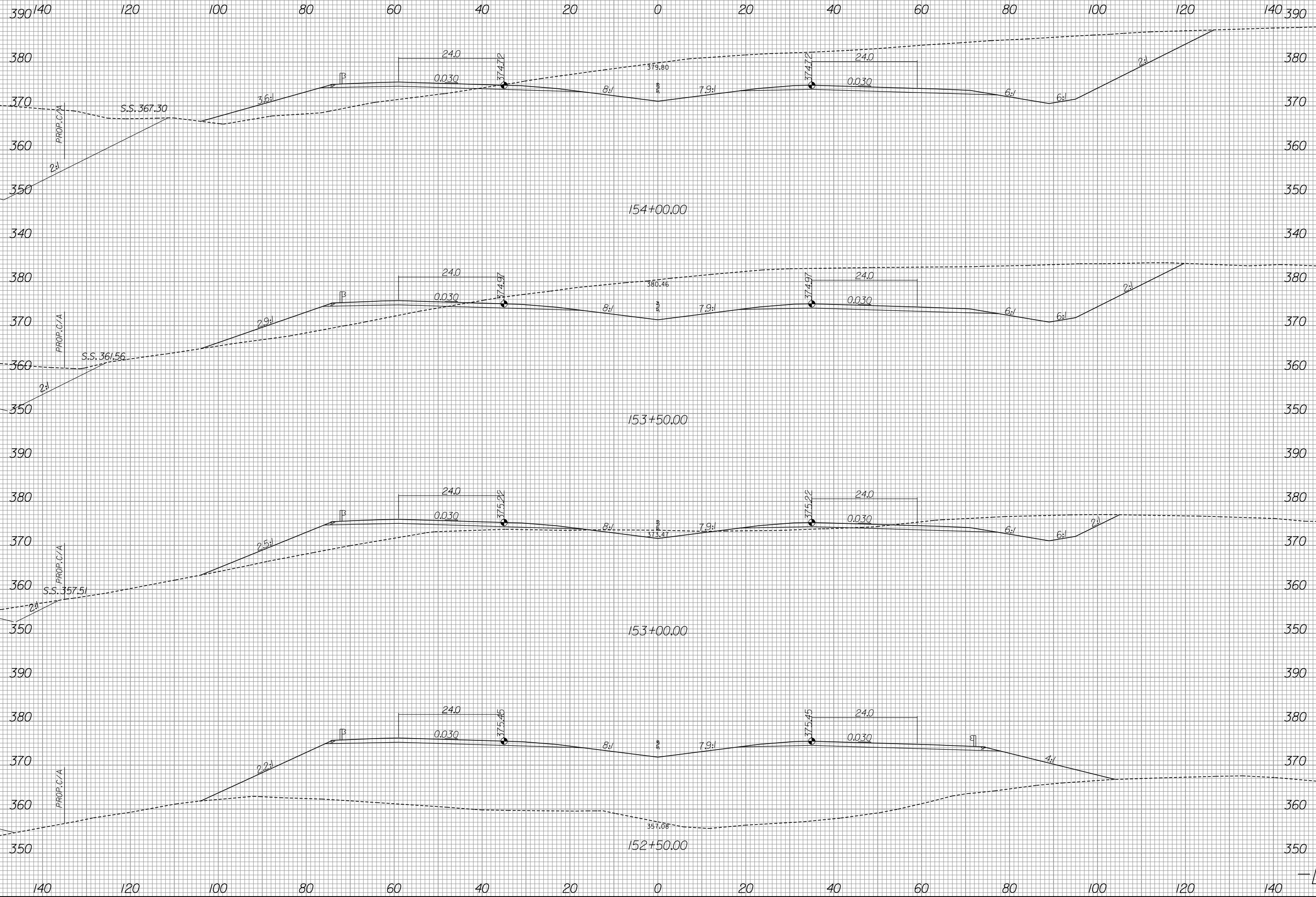
8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-33

MATCH TO SHEET X-34



6/13/2019
R:\Roadway\Xsc\R-3421b_rdy_xpl_L1.dgn
gaugsborg

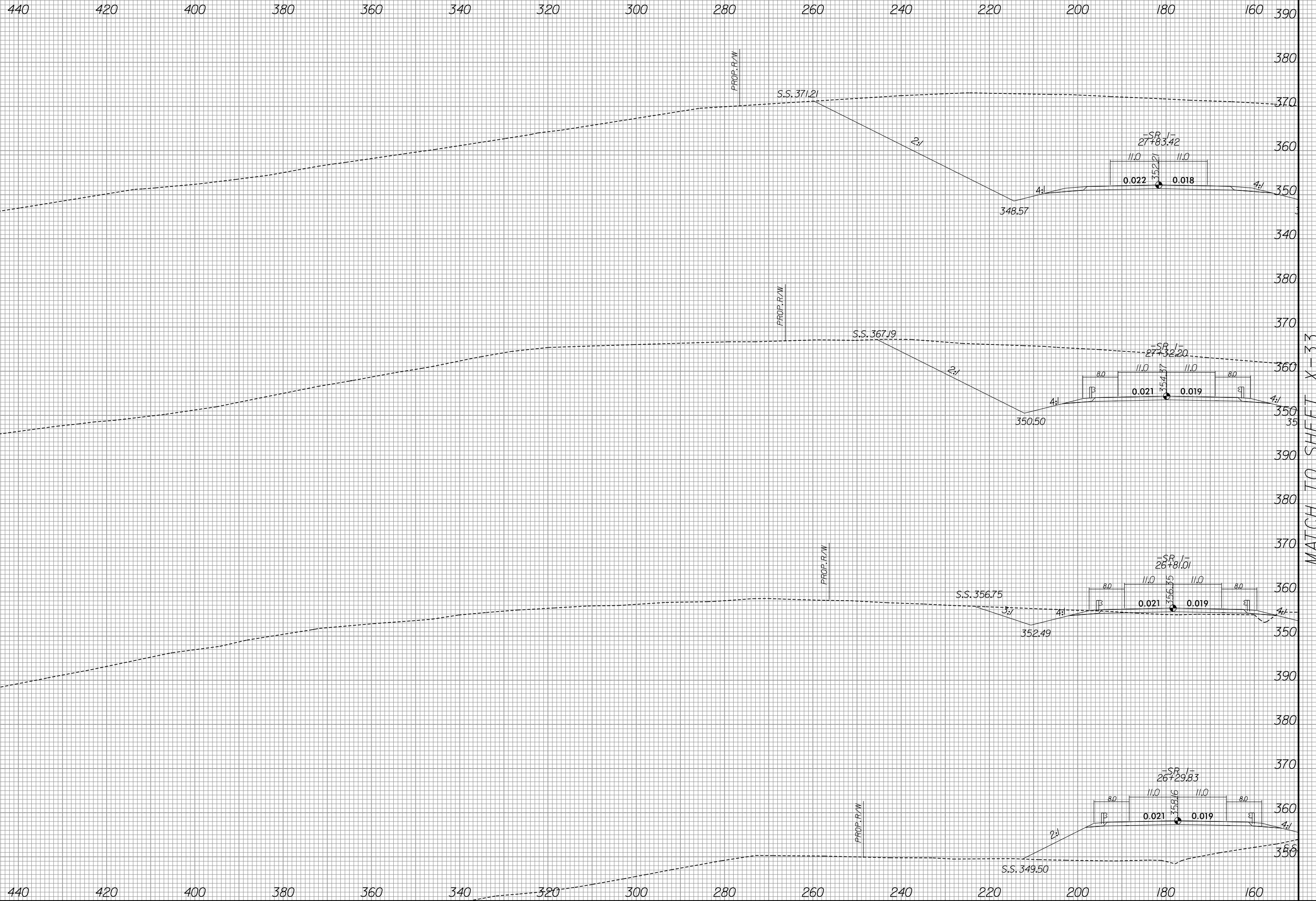
-L-

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-34



MATCH TO SHEET X-33

-L-

6/13/2019
R:\Roadway\Xsc\R-3421b_rdy_xpl_L1.dgn
gaussburg

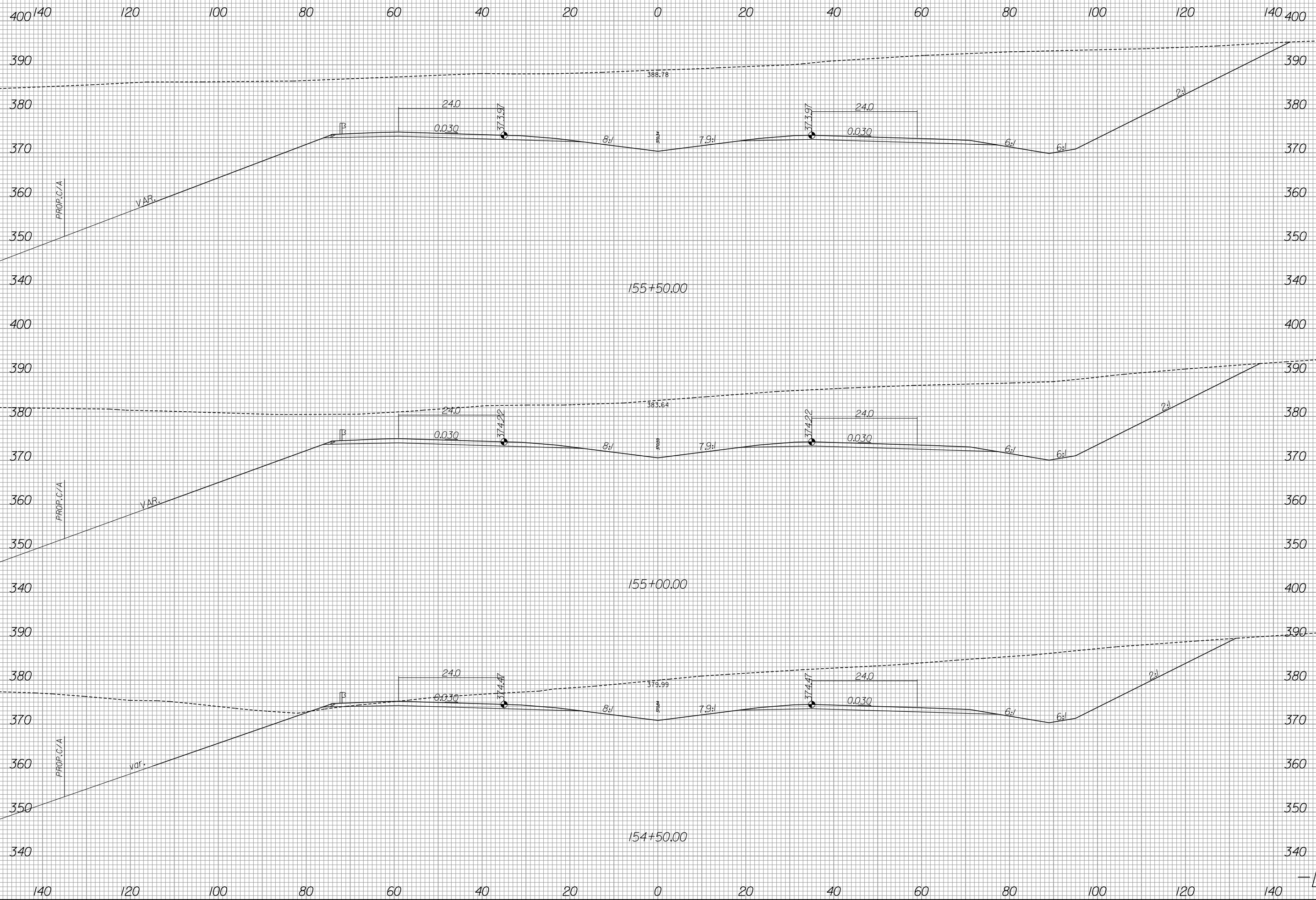
8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-35

MATCH TO SHEET X-36



6/13/2019
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
gaugsborg

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160 400

390
380
370
360
350
340
400
390
380
370
360
350
340
390
380
370
360
350
340
390
380
370
360
350
340

PROP. R/W

S.S. 371.93

2:1

SP 1
29+37.23

11.0 11.0

0.023 0.017

341.03

341.12

PROP. R/W

S.S. 372.42

2:1

SP 1
28+35.92

11.0 11.0

0.023 0.017

343.72

343.79

PROP. R/W

S.S. 373.46

2:1

SP 1
28+34.65

11.0 11.0

0.022 0.018

346.24

346.29

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

MATCH TO SHEET X-35

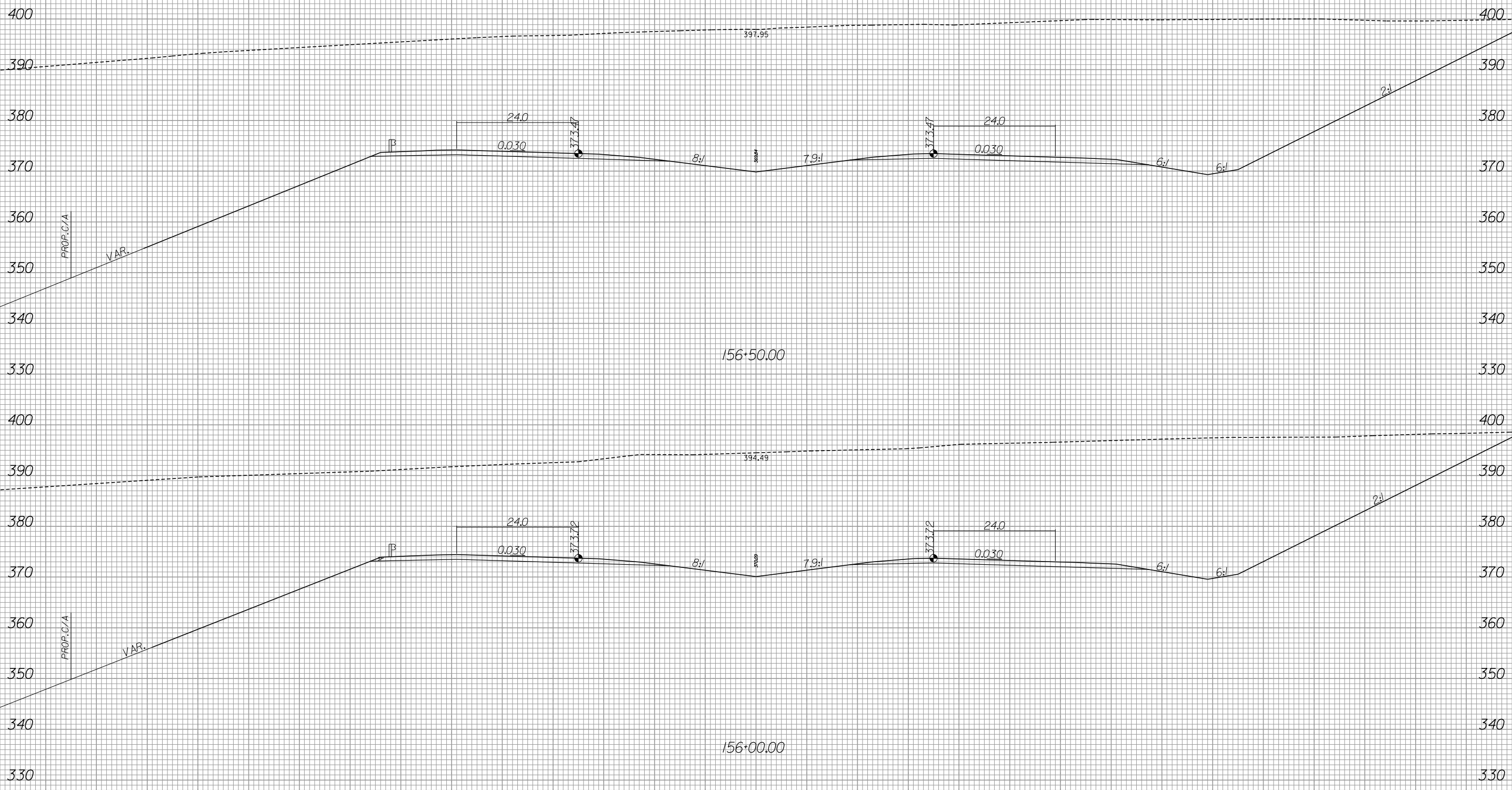
-L-



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-38

MATCH TO SHEET X-39





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

400
390
380
370
360
350
340
330
400
390
380
370
360
350
340
330

MATCH TO SHEET X-37

PROP. R/W

S.S. 376.92

2.0:1

4.0:1

SR 1
30-39.95

12.6

11.0

0.024

0.017

335.11

335.77

PROP. R/W

S.S. 375.05

2:1

4.0:1

SR 1
29-88.57

11.4

11.0

0.024

0.010

338.17

338.37

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

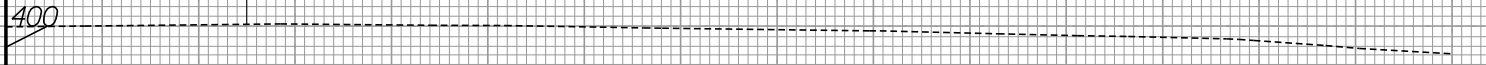


160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

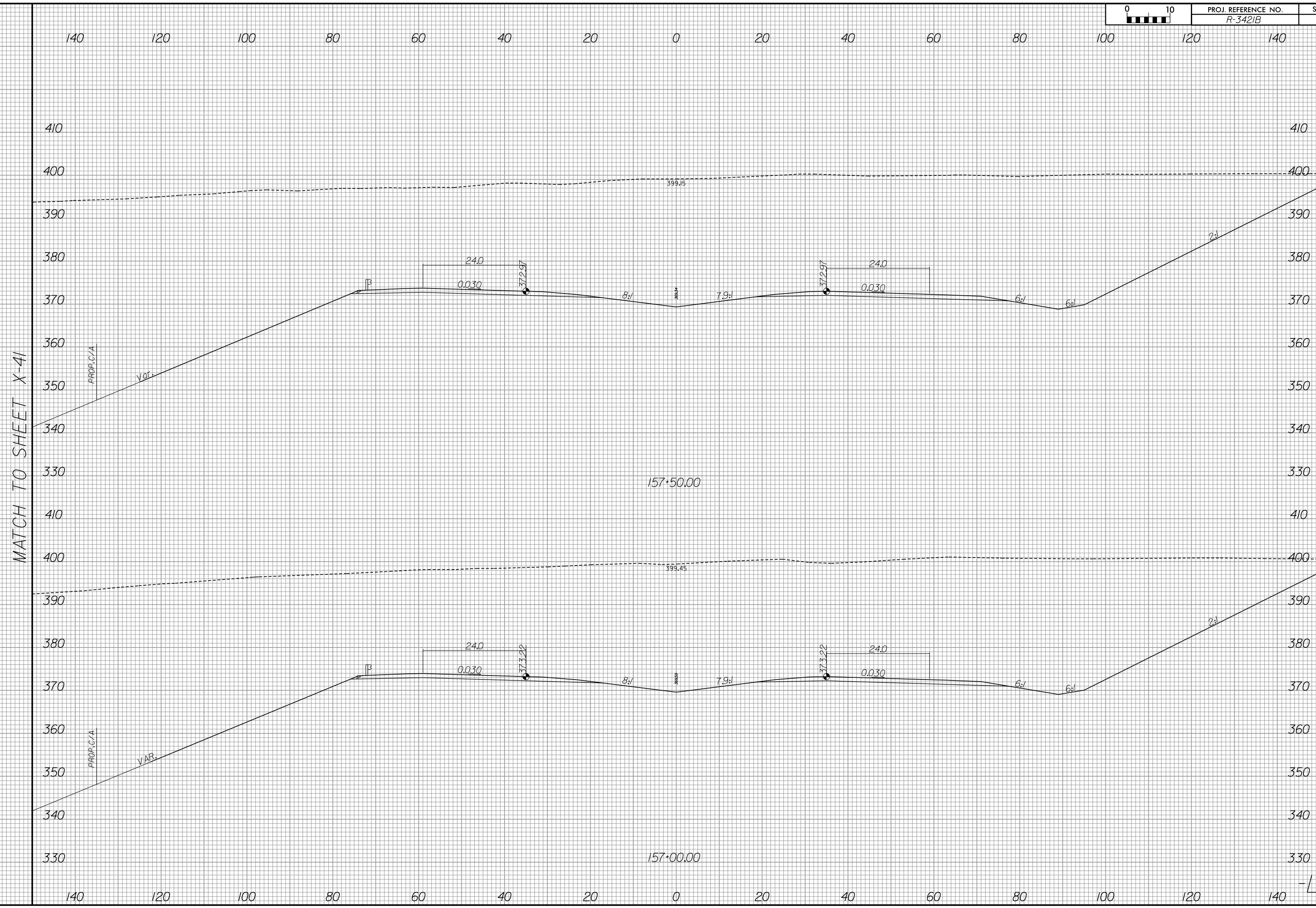
MATCH TO SHEET X-37

PROP. R/W

PROP. R/W



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

410
400
390
380
370
360
350
340
330
410
400
390
380
370
360
350
340
330

PROP. R/W

S.S. 382.70

2.03:1

4.06:1

SR 1/1
37+42.94

15.3

11.1

332.62

0.075

0.073

4.04:1

328.08

330.49

PROP. R/W

S.S. 377.55

2.01:1

4.02:1

SR 1/1
30+91.39

13.9

11.0

335.71

0.045

0.044

4.01:1

331.71

333.11

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

MATCH TO SHEET X-40

-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

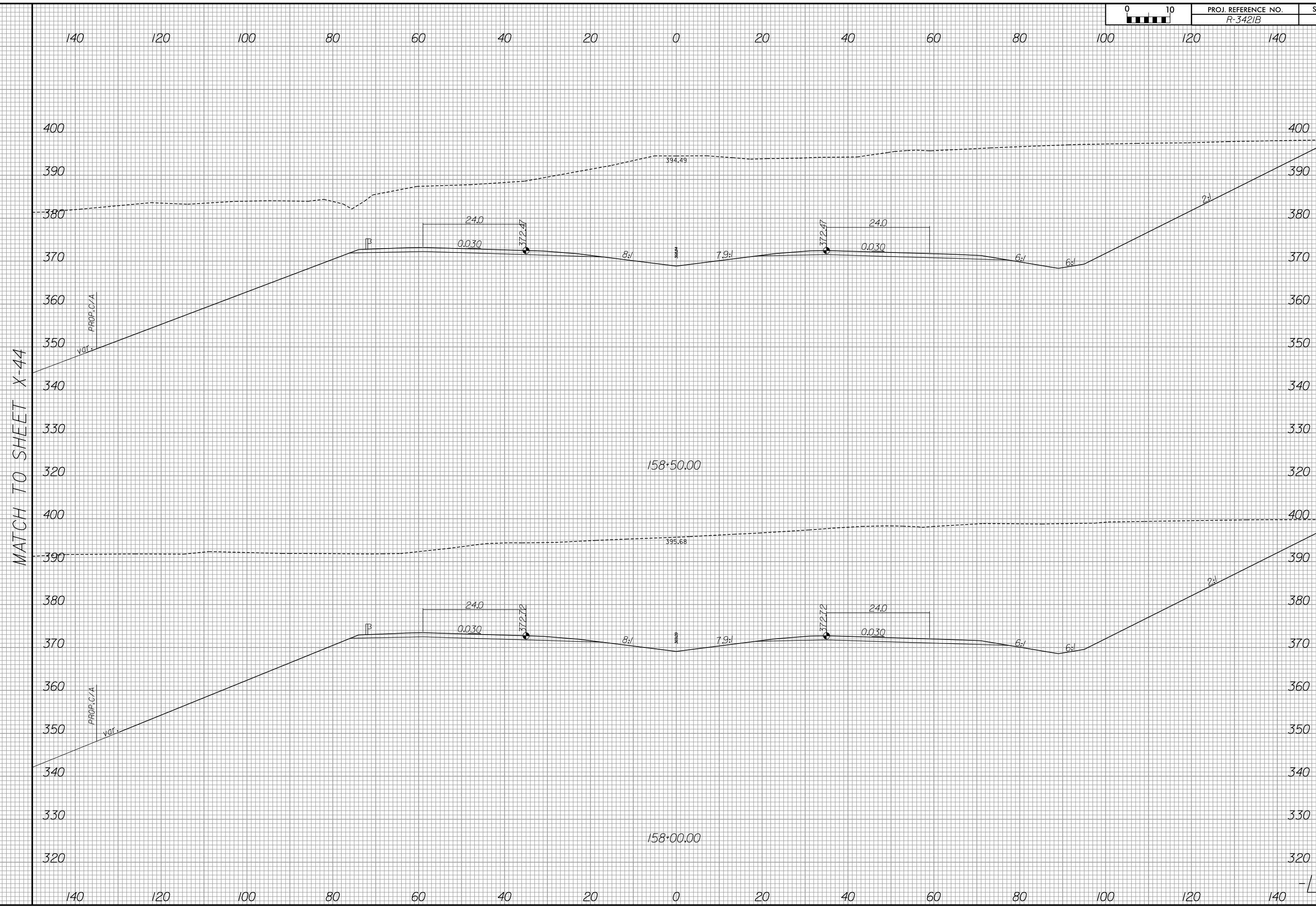
410
400
390
380
370
360
350
340
330
410
400
390
380
370
360
350
340
330

MATCH TO SHEET X-40

PROP. R/W

PROP. R/W

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440



8/23/99



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

400
390
380
370
360
350
340
330
320
400
390
380
370
360
350
340
330
320

MATCH TO SHEET X-43

S.S. 384.37

2.16:1

321.09

4.33:1

-SP 1/-
32749.53

16.9

11.8

0.097

0.096

4.29:1

324.54

PROP. R/W

S.S. 385.06

2.07:1

324.50

4.14:1

-SB 1/-
31795.34

16.2

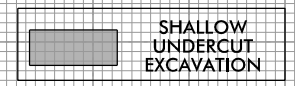
11.4

0.093

0.092

4.13:1

327.68



SHALLOW UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

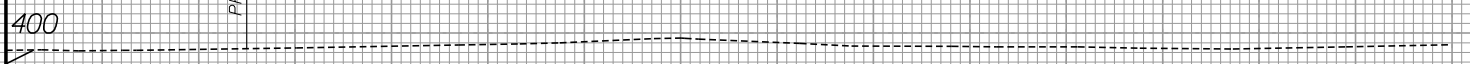
6/13/2019
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gaugsburg



PROJ. REFERENCE NO. R-3421B	SHEET NO. X-45
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160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-43



PROP. P/W

400

390

380

370

360

350

340

330

320

400

390

380

370

360

350

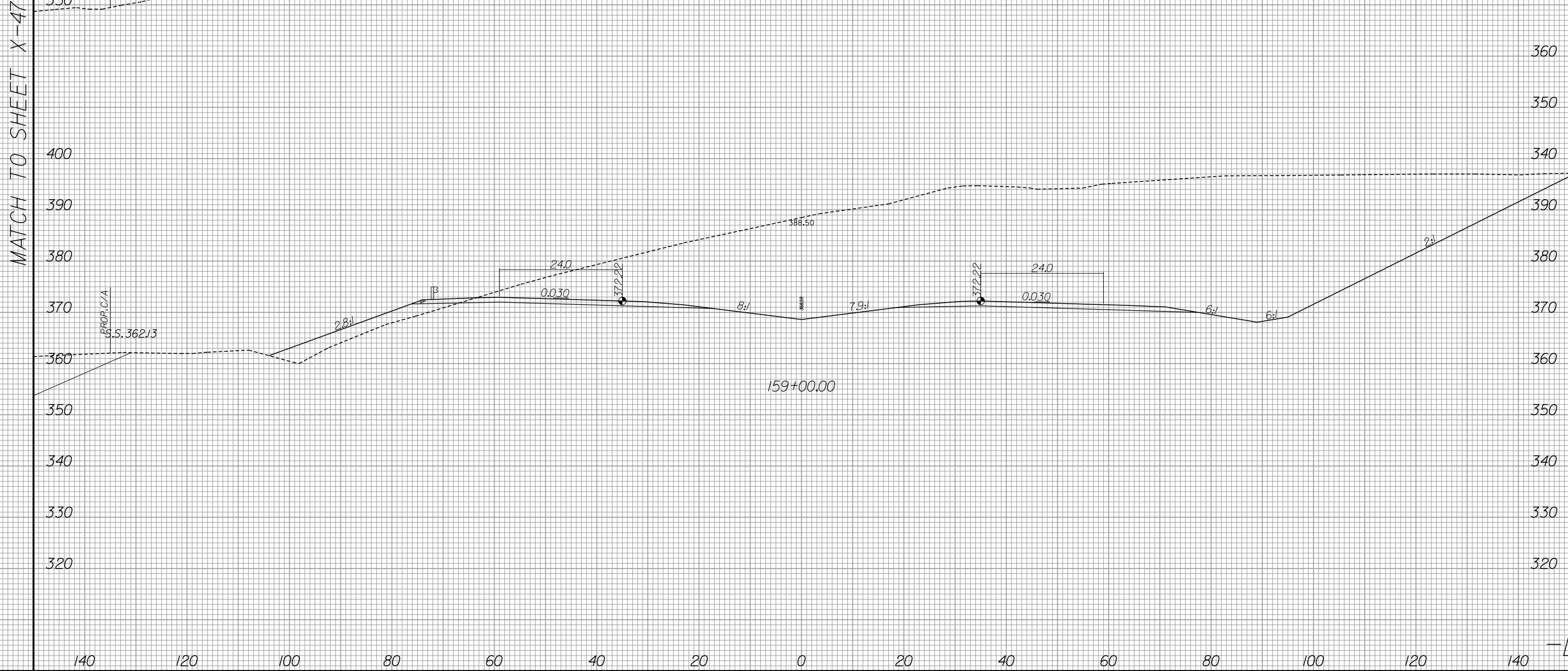
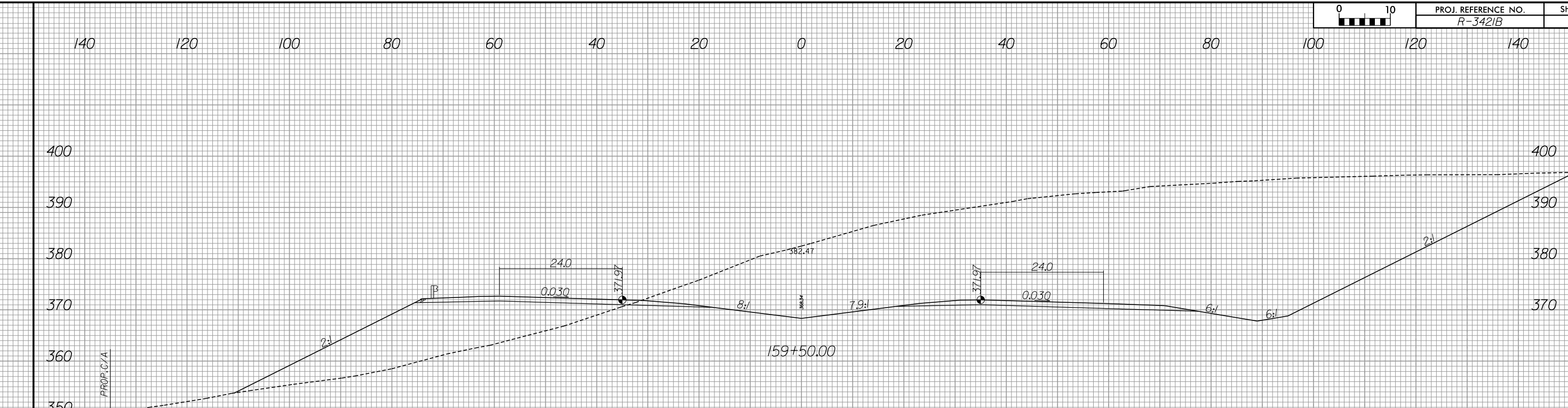
340

330

320

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-



8/23/99



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

400
390
380
370
360
350
400
390
380
370
360
350
340
330
320

MATCH TO SHEET X-46

S.S. 349.93

S.S. 345.74

2.44:1

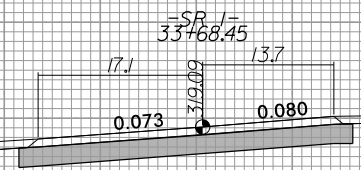
2.47:1

4.88:1

4.94:1

314.44

317.28



S.S. 374.51

2.28:1

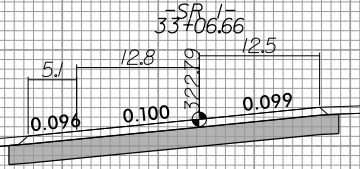
2.27:1

4.55:1

4.54:1

317.56

321.22



SHALLOW UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

6/13/2019
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gaugsburg



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

400
390
380
370
360
350
340
390
380
370
360
350
340
330
320

MATCH TO SHEET X-46

PROP. R/W

PROP. R/W

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

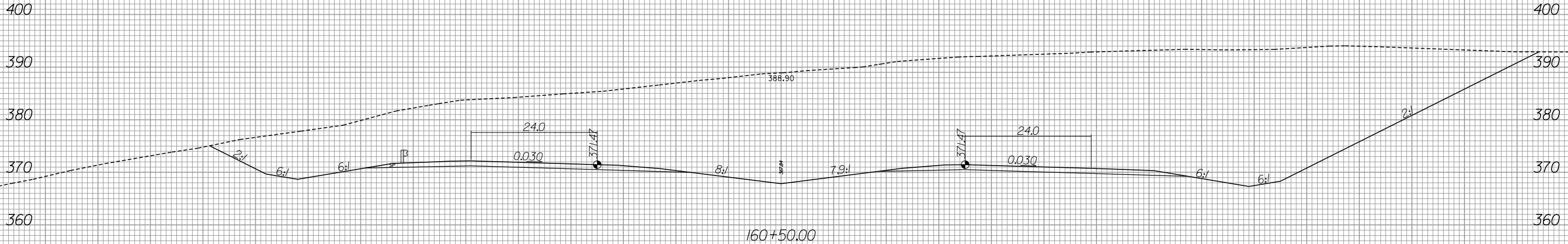
8/23/99



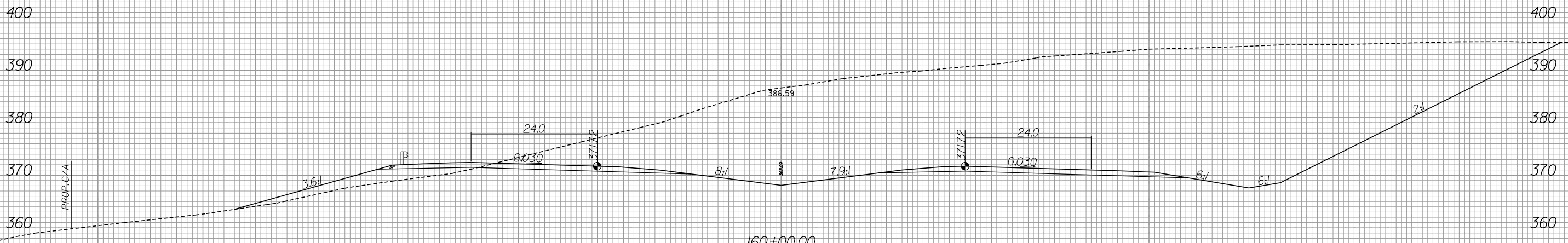
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-49

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140



MATCH TO SHEET X-50



PROP. C/A

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

-L-

6/13/2019
R:\Roadway\Xsc\3421b_rdy_xpl_L1.dgn
gaugsburg

8/23/99

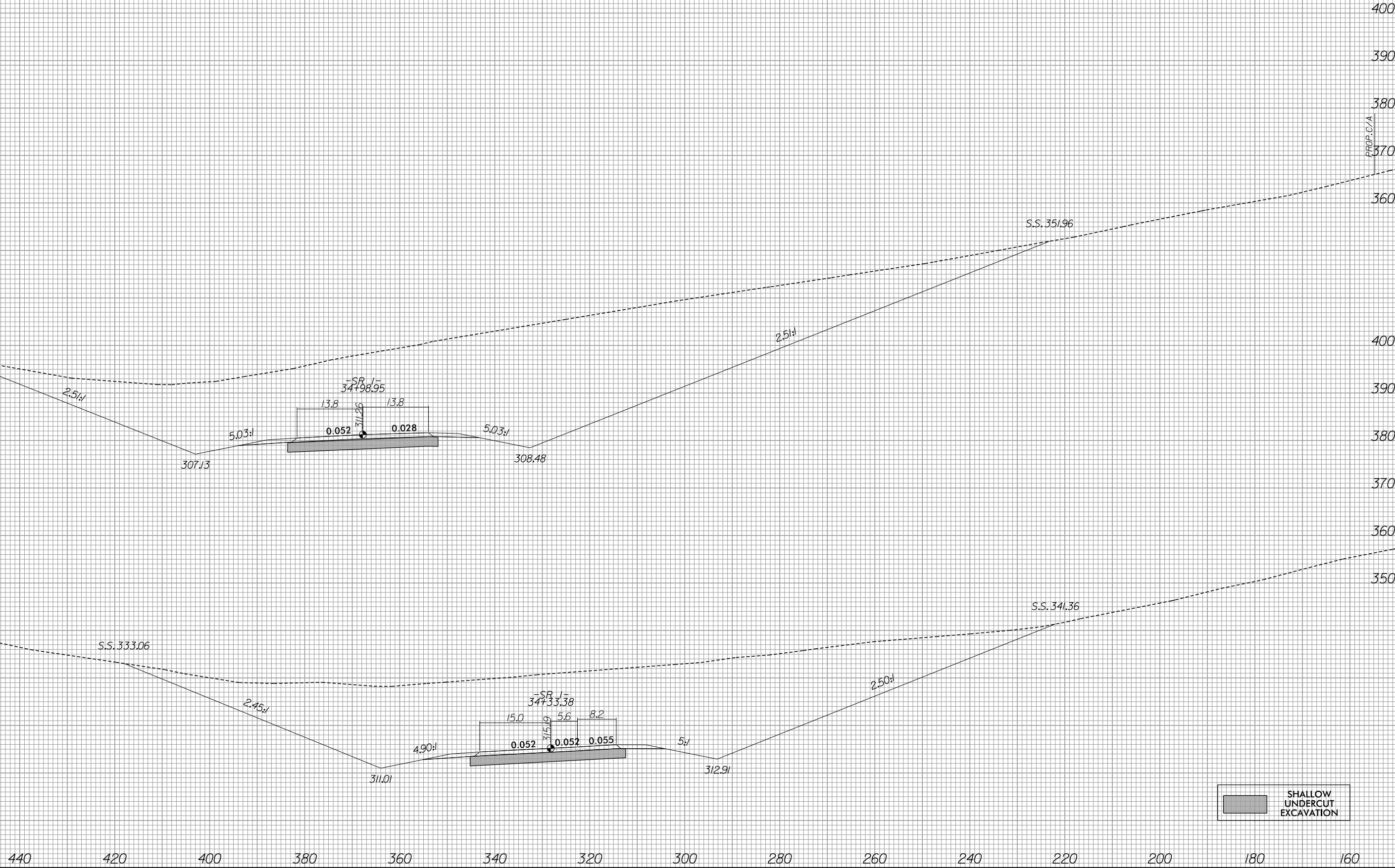


440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

400
390
380
370
360
350

PROP. C/A

MATCH TO SHEET X-49

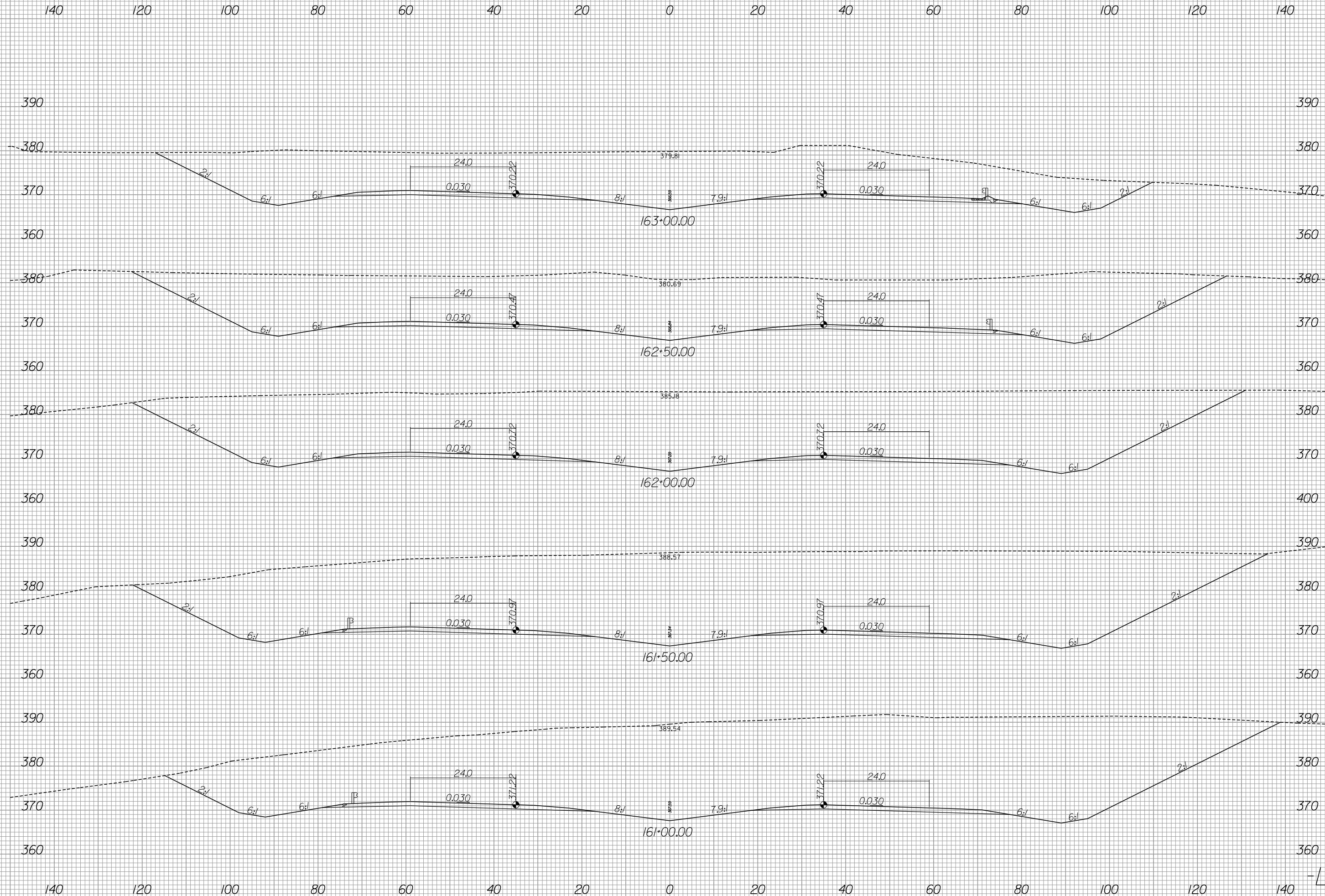


SHALLOW UNDERCUT EXCAVATION

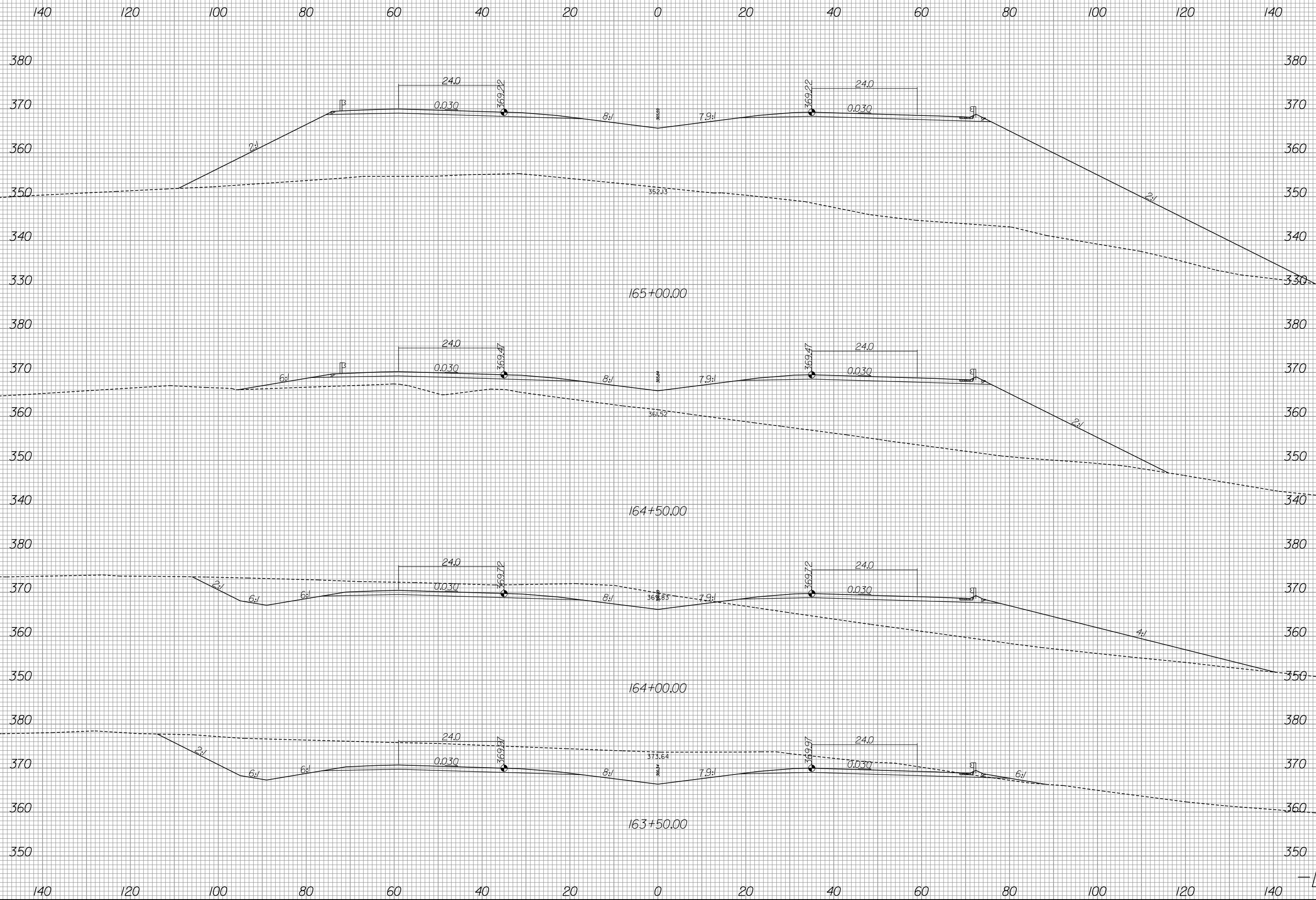
440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

6/13/2019
R:\Roadway\Xsc\R-3421b_rdy_xpl.L1.dgn
gaugsburg



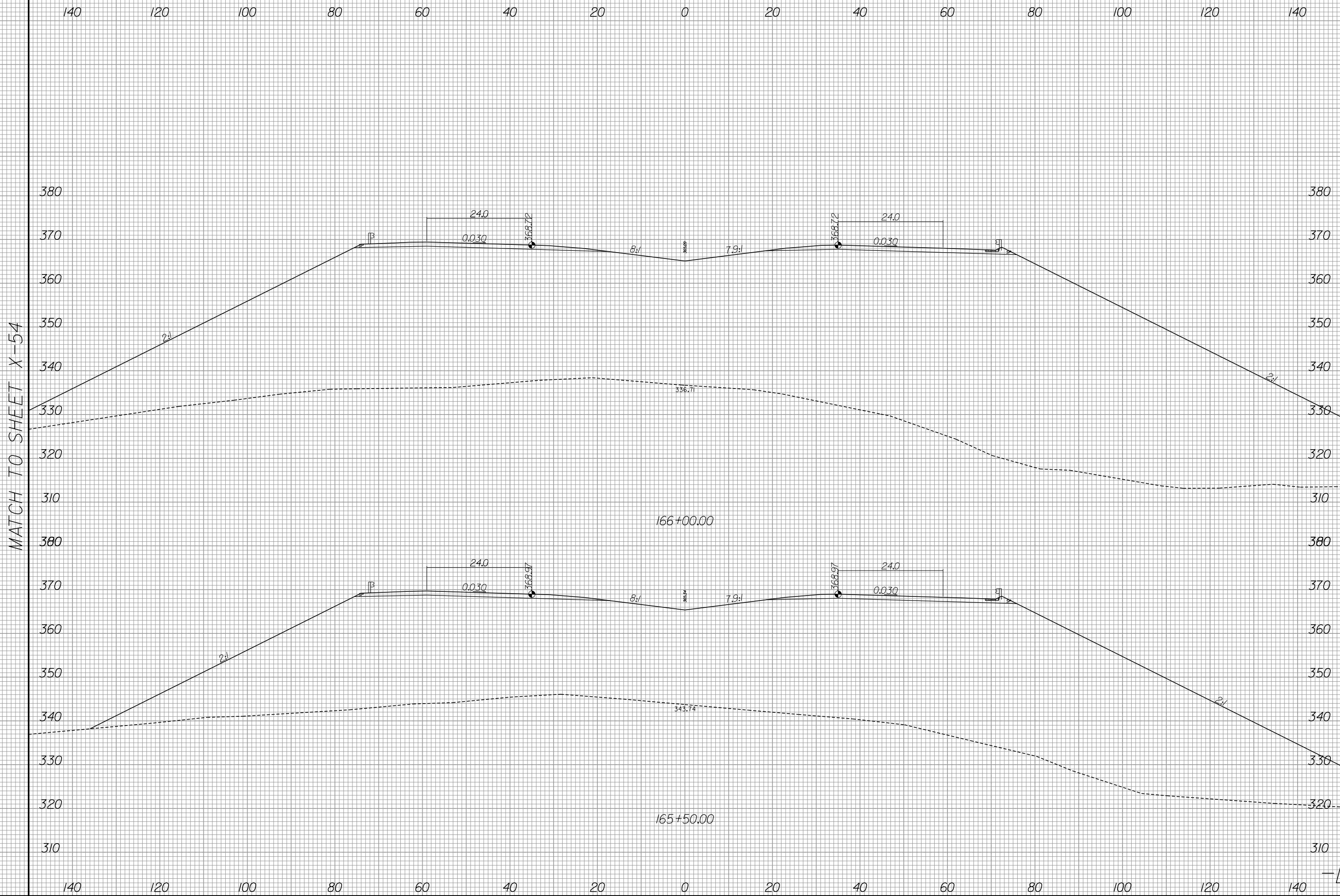
8/23/99



6/13/2019
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gaugsborg

-L-

8/23/99



6/13/2019
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
gaugsborg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

380
370
360
350
340
330
320
310
380
370
360
350
340
330
320
310

MATCH TO SHEET X-53

PROP. R/W

PROP. C/A

PROP. R/W

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

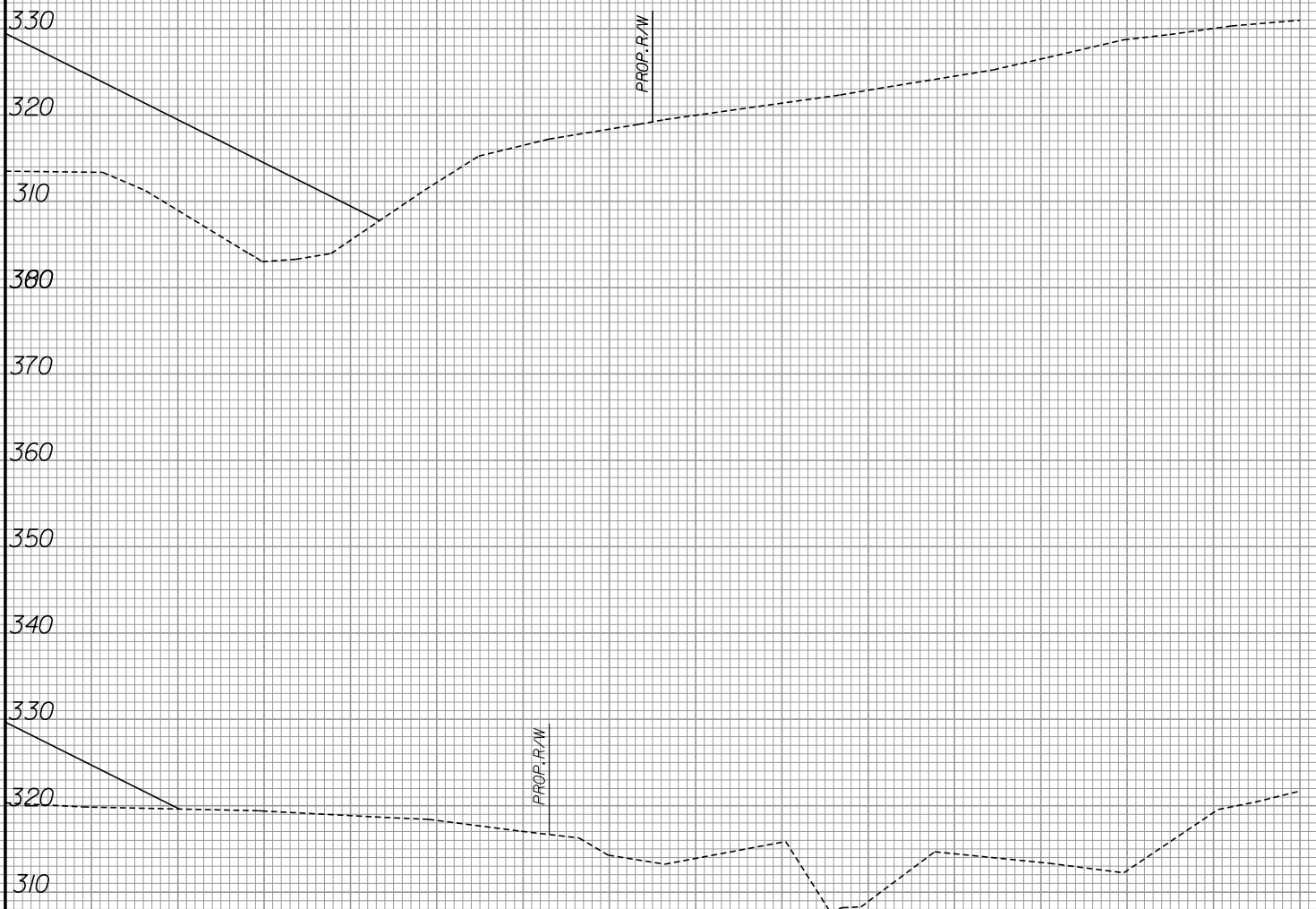
-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-53

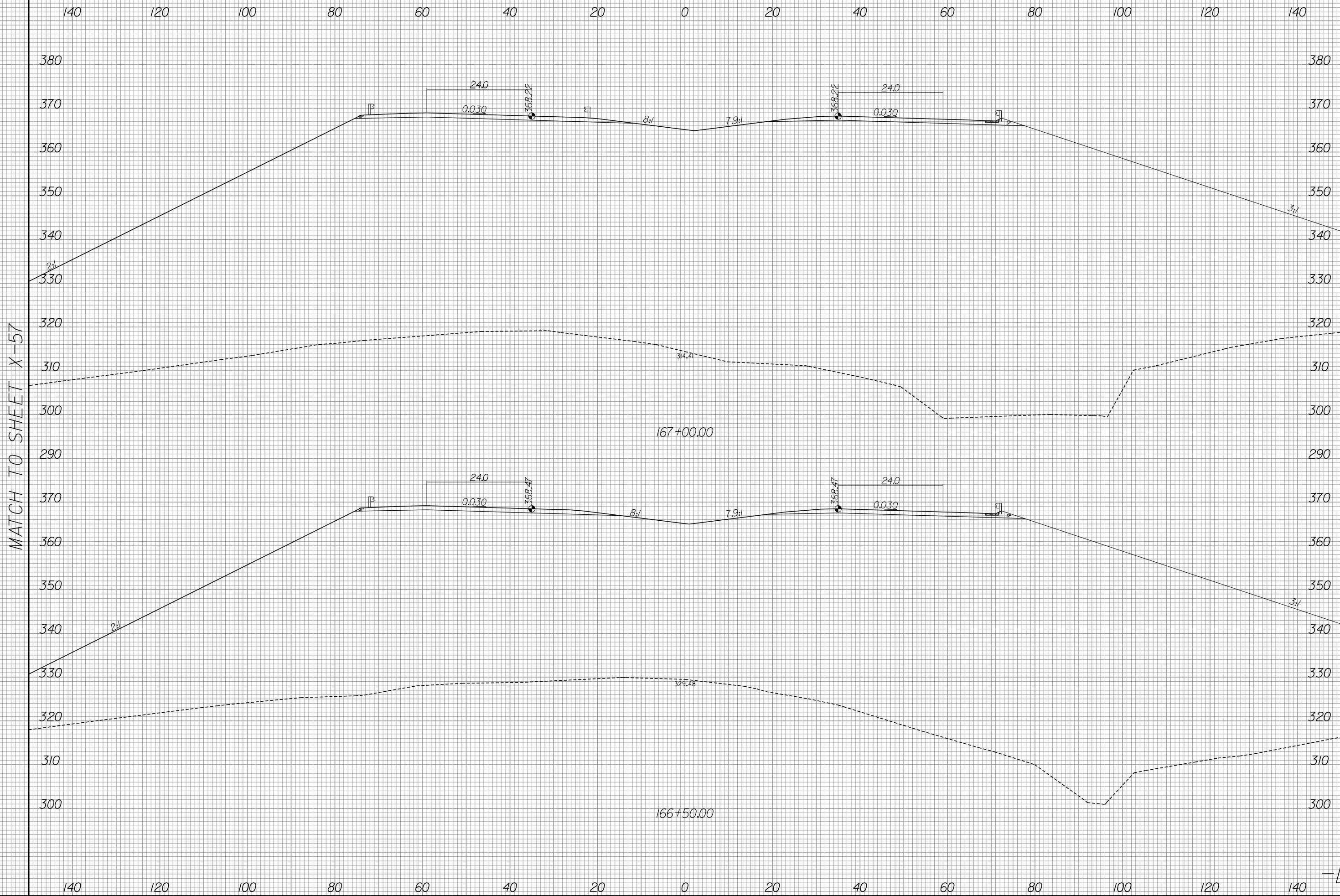
380
370
360
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330
320
310
300
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370
360
350
340
330
320
310



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-

8/23/99



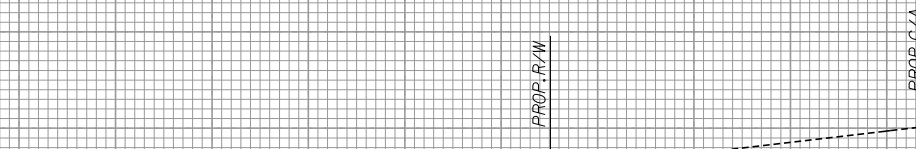
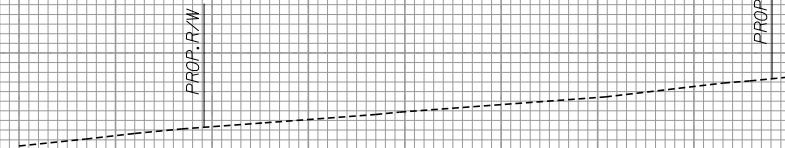
6/13/2019
R:\Roadway\Xsec\3421b_rdy_xpl.L1.dgn
gaugsburg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

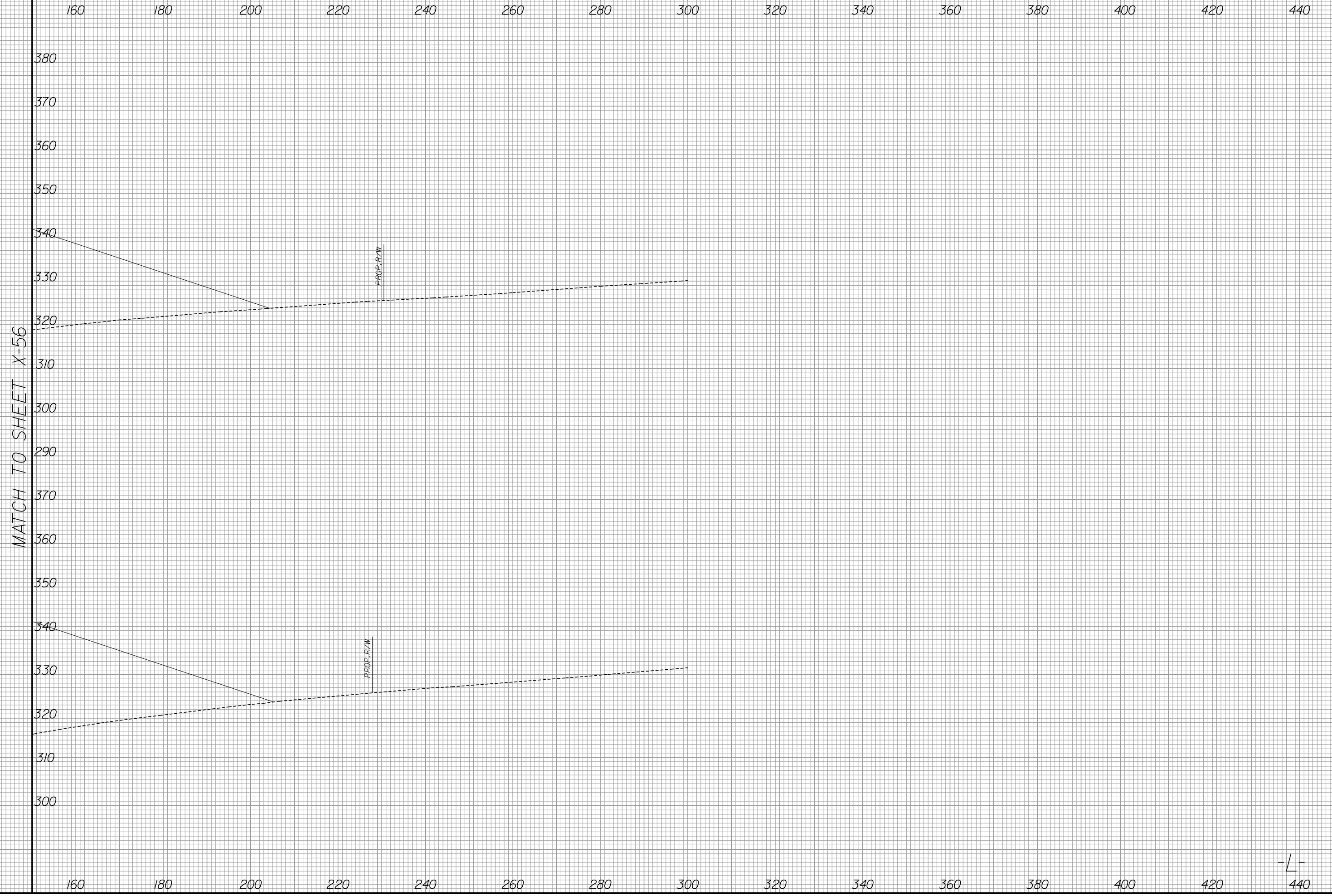
380
370
360
350
340
330
320
310
300
290
370
360
350
340
330
320
310
300

MATCH TO SHEET X-56



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



8/23/99



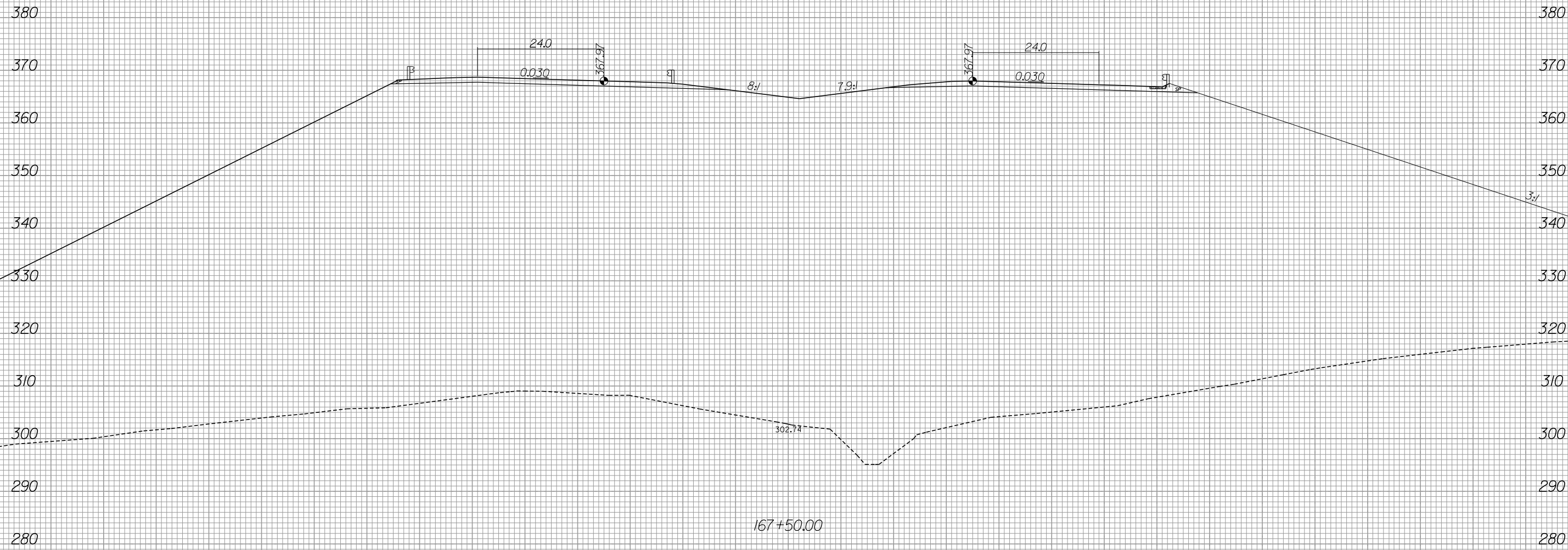
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-59

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-60

MATCH TO SHEET X-61



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

6/13/2019
R:\Roadway\Xsc\1-3421b_rdy_xpl.L1.dgn
gaugsborg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

380
370
360
350
340
330
320
310
300
290
280

MATCH TO SHEET X-61

PROP. C.A.

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

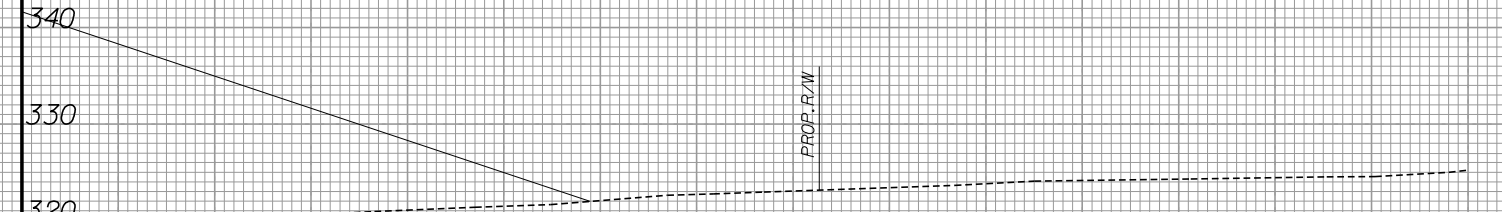


160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-59

380
370
360
350
340
330
320
310
300
290
280

PROF. F/W

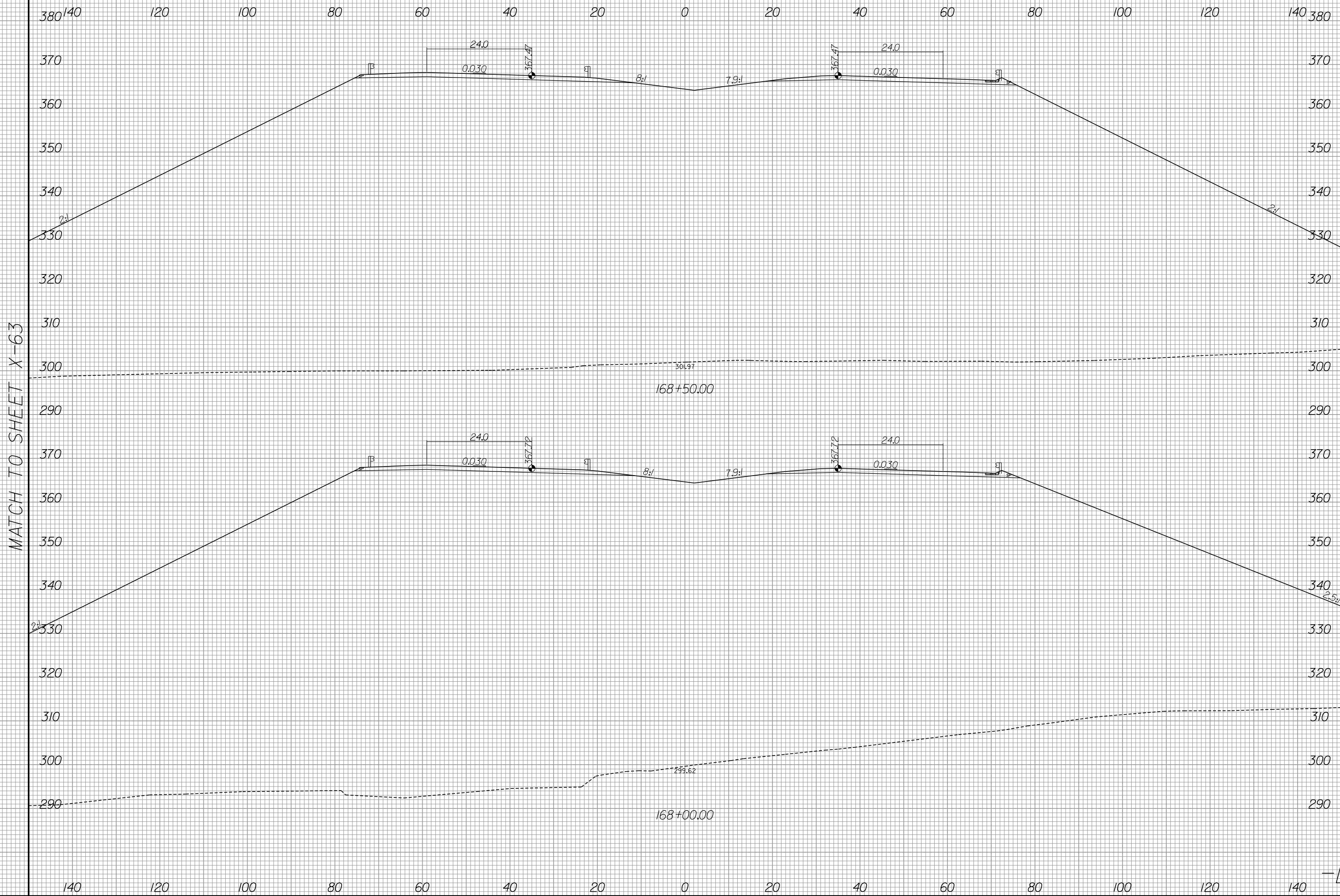


160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

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PROJ. REFERENCE NO. R-3421B	SHEET NO. X-62
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6/13/2019
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gaugsborg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160 380

370
360
350
340
330

320
310
300

290
370
360
350
340

330
320
310
300

290

MATCH TO SHEET X-62

PROP. C/A

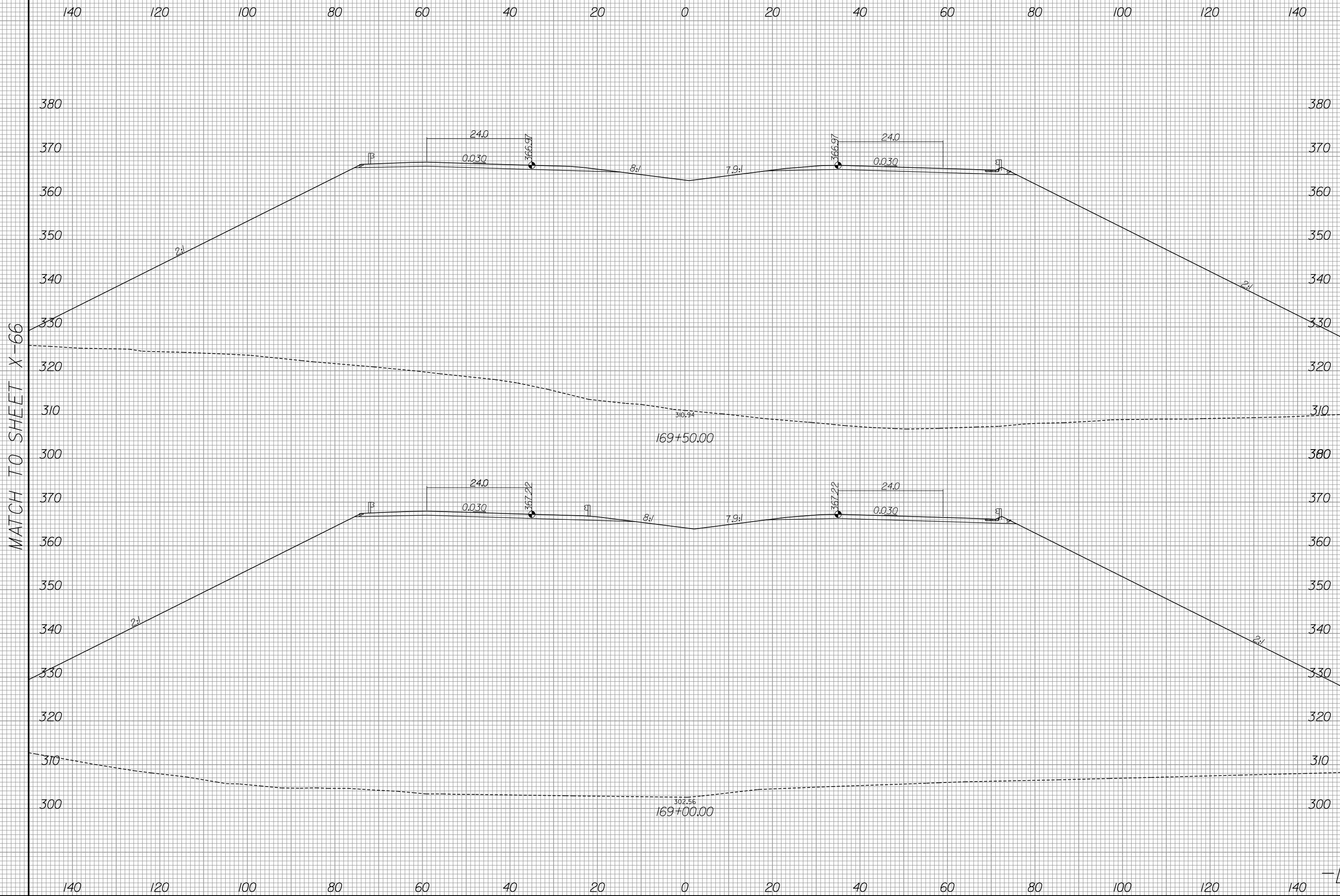
PROP. C/AR/W

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



8/23/99



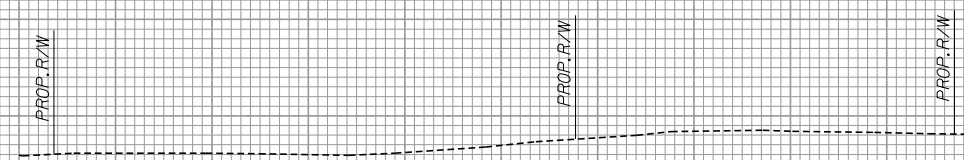
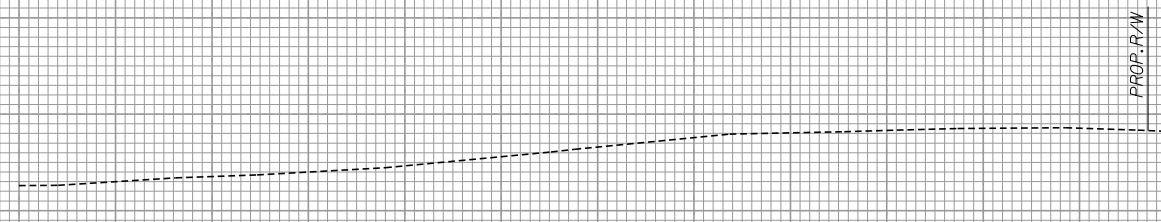
6/13/2019
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
gaugsborg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

380
370
360
350
340
330
320
310
300
370
360
350
340
330
320
310
300

MATCH TO SHEET X-65



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-65

380
370
360
350
340
330
320
310
380
370
360
350
340
330
320
310
300

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

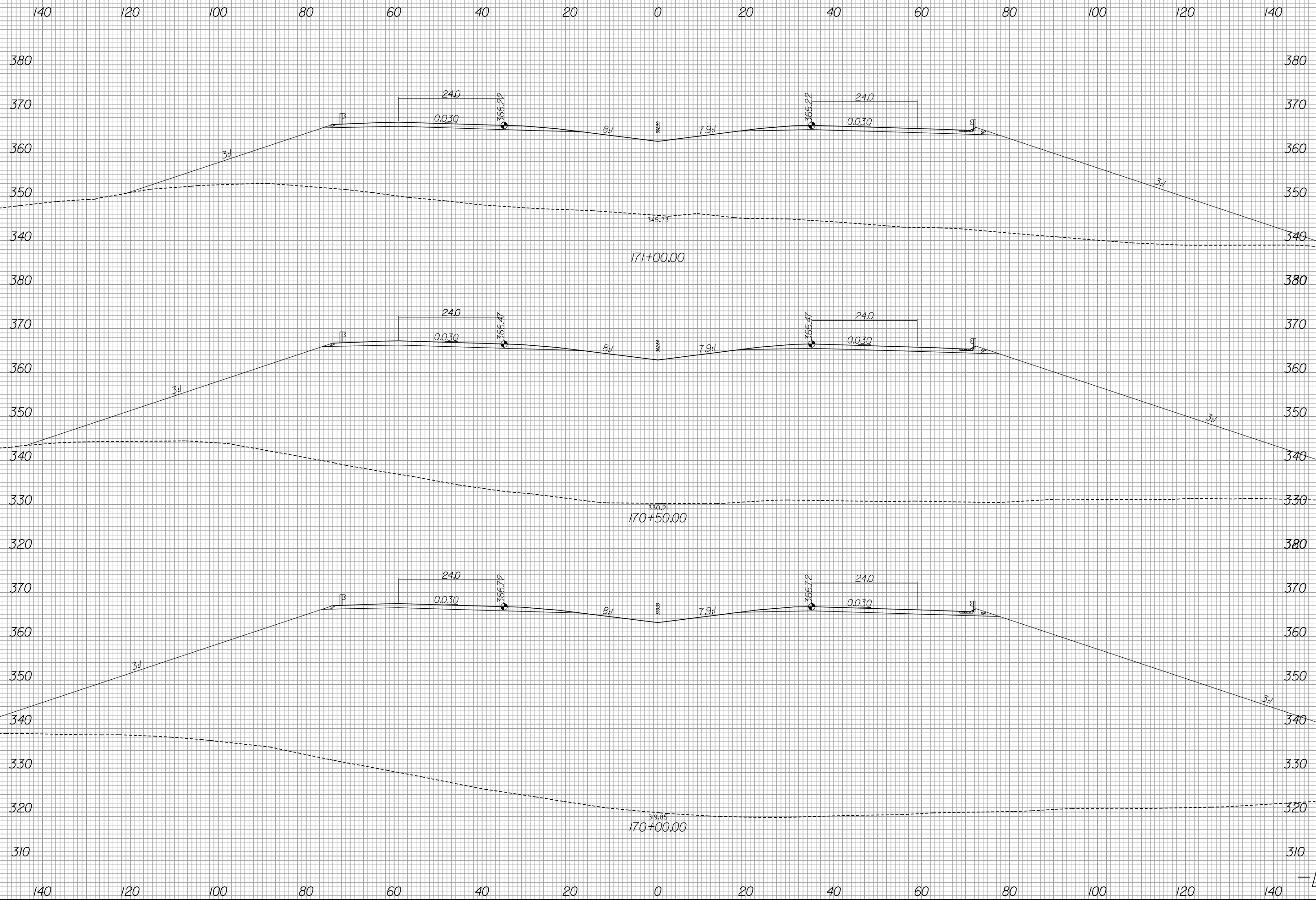
2:1 308.89 2:1

PROP. C/A

2:1 306.44 2:1

PROP. C/A

8/23/99



6/13/2019
R:\Roadway\Xsc\R-3421b_rdy_xpl.L1.dgn
Gaugsburg

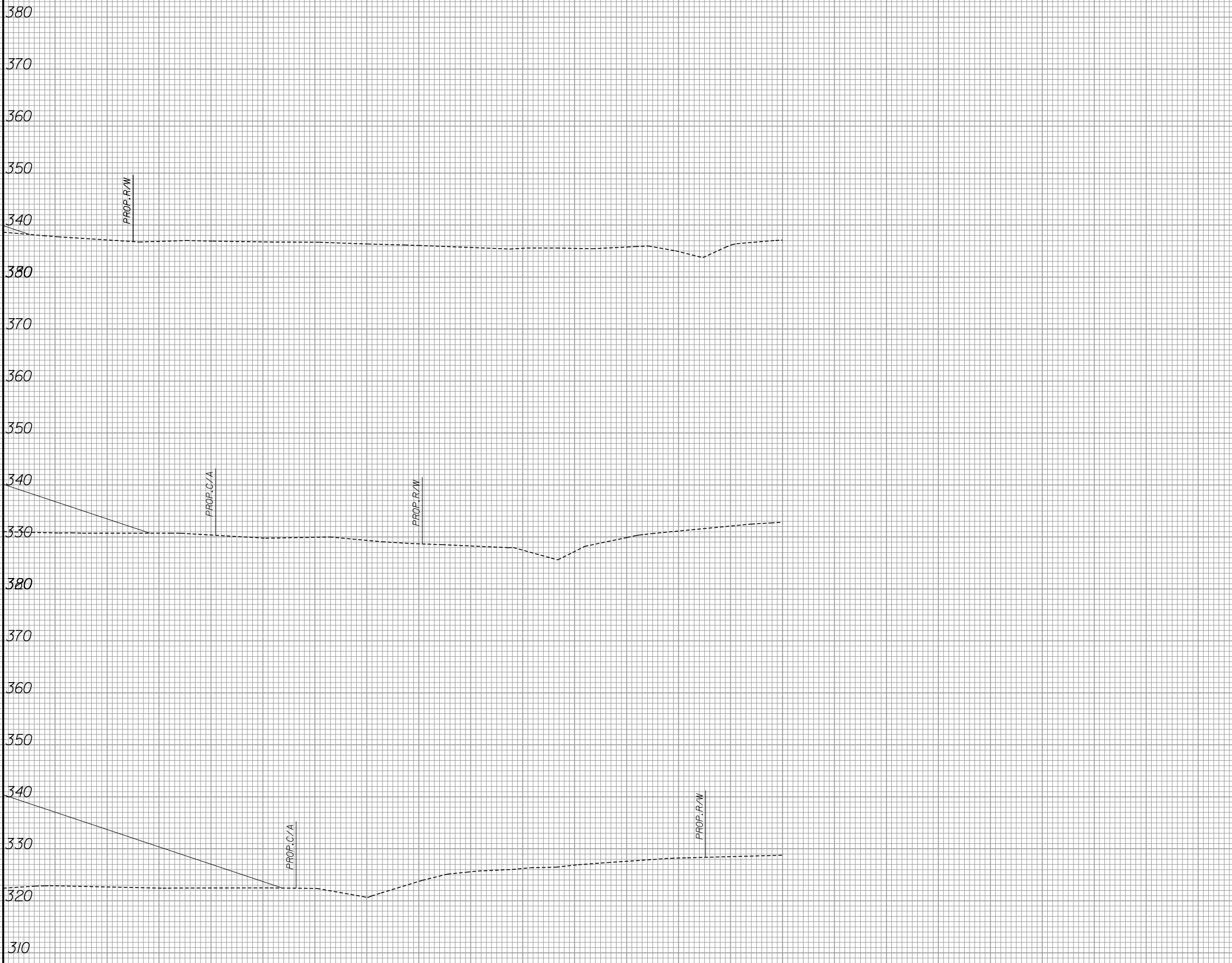
MATCH TO SHEET X-69

-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-68



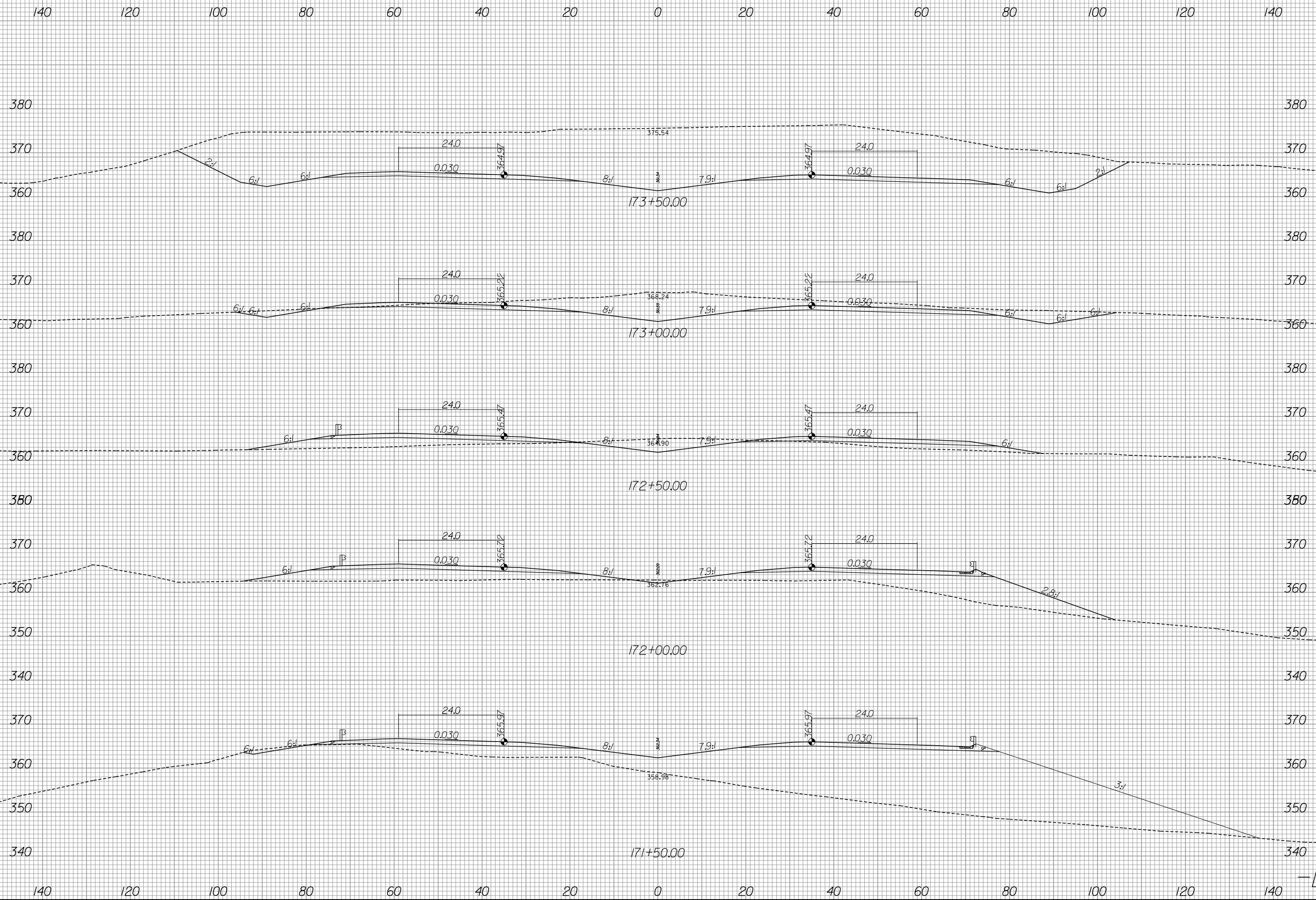
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-70



6/13/2019
R:\Roadway\Xsc\R-3421b_rdy_xpl_L1.dgn
Gaugsburg

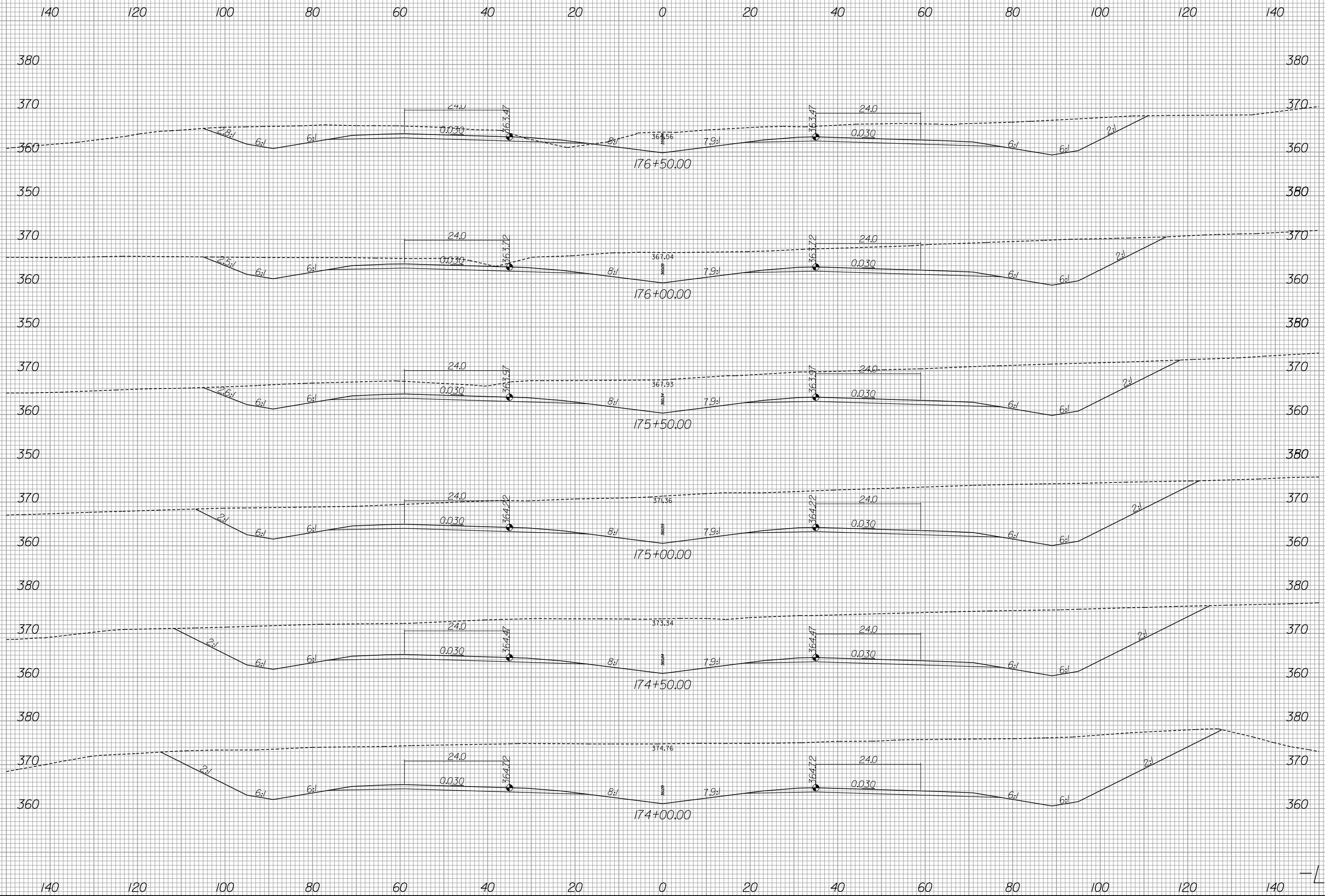
-L-

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-71

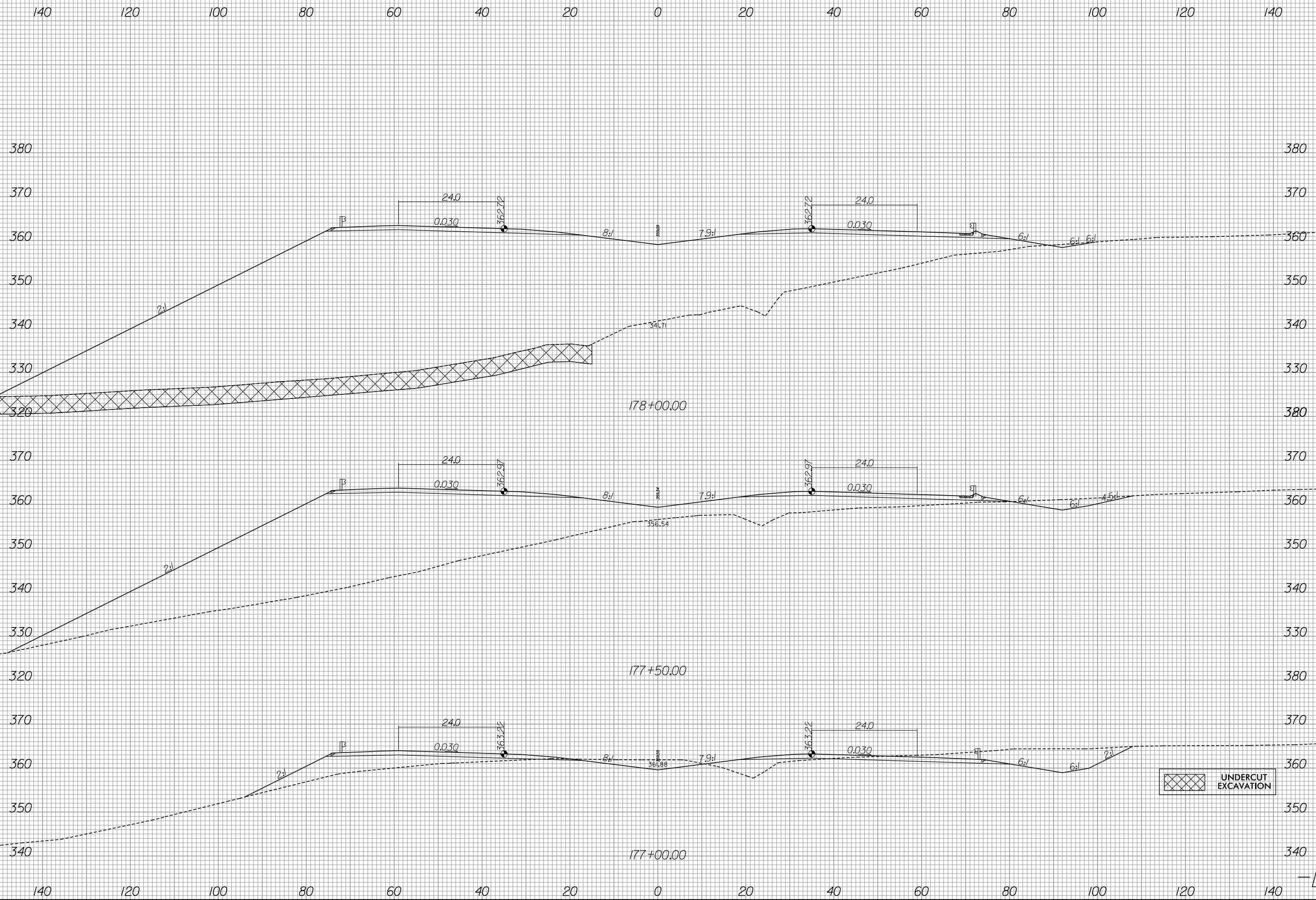


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R:\Roadway\Xsc\R-3421b_rdy_xpl.L1.dgn
gaugsborg

-L-



MATCH TO SHEET X-73





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

380
370
360
350
340
330
320
370
360
350
340
330
320
370
360
350
340

MATCH TO SHEET X-72

PROP. P/W

PROP. P/W

PROP. P/W

 UNDERCUT EXCAVATION

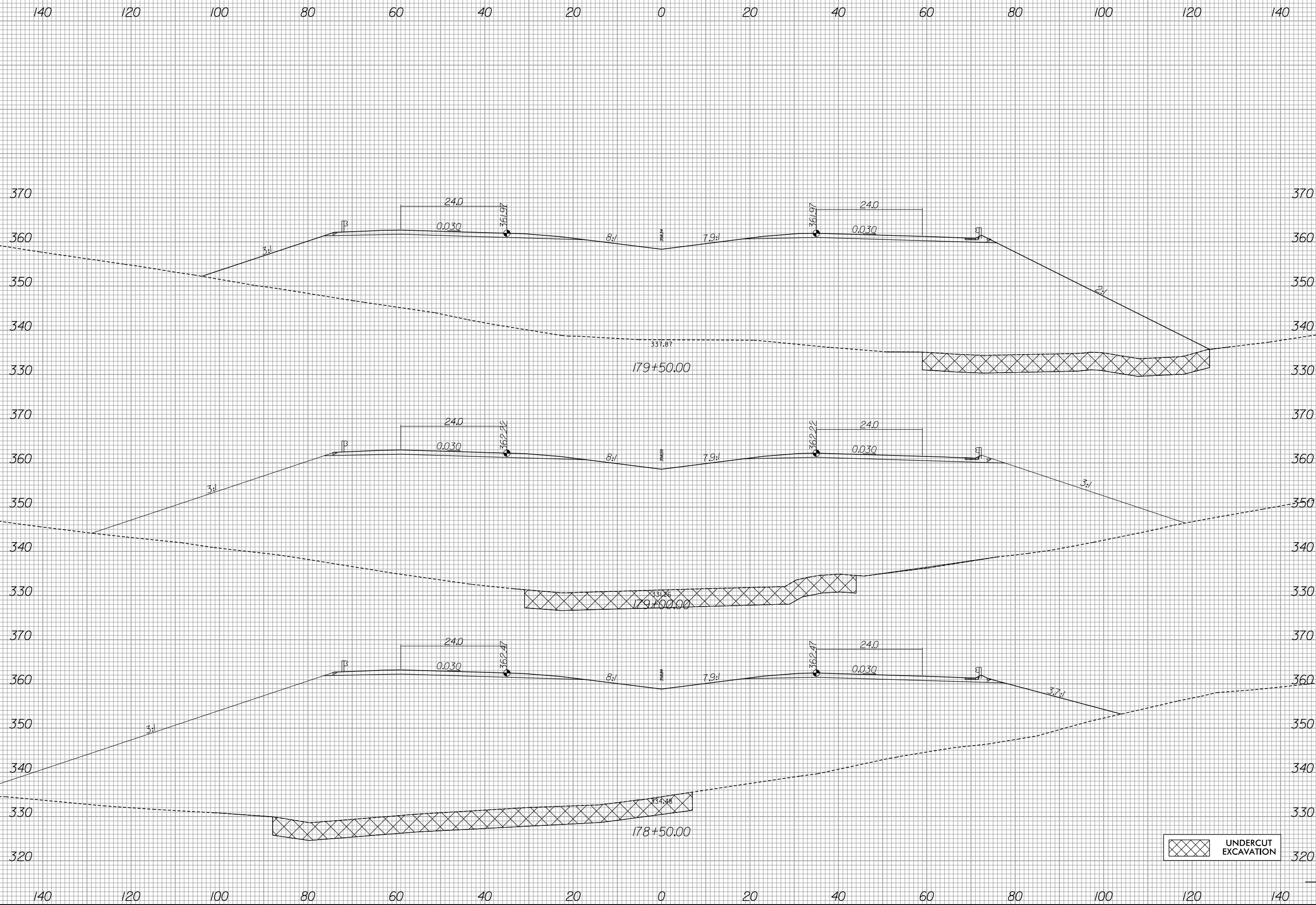
440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

8/23/99



PROJ. REFERENCE NO. R-3421B	SHEET NO. X-74
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UNDERCUT EXCAVATION

6/13/2019
 R:\Roadway\Xsc\R-3421b_rdy_xpl_L1.dgn
 gaugsburg

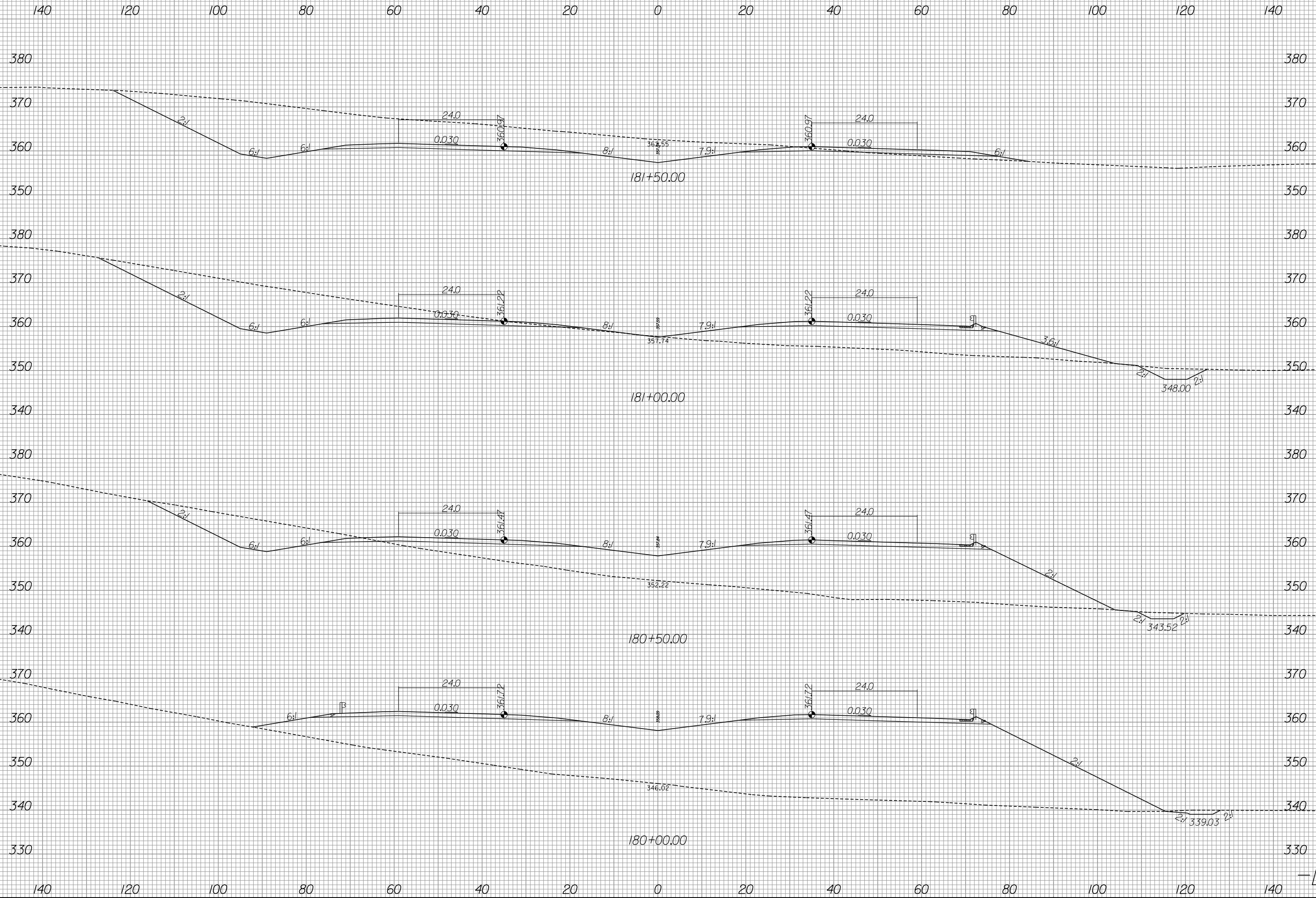
-L-

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-75

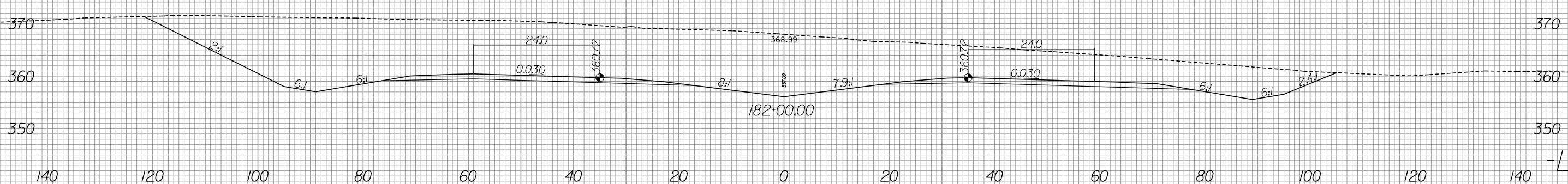
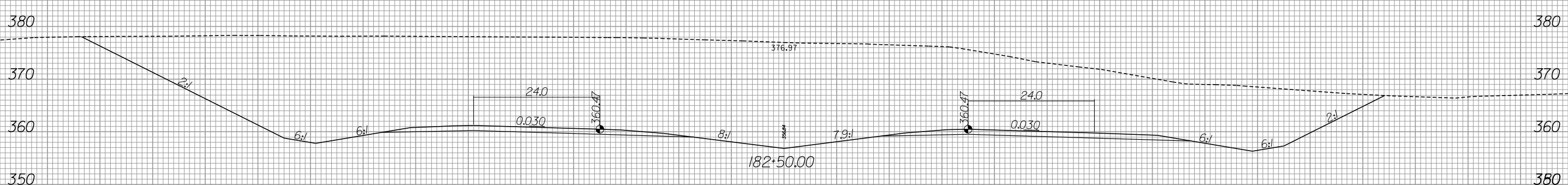
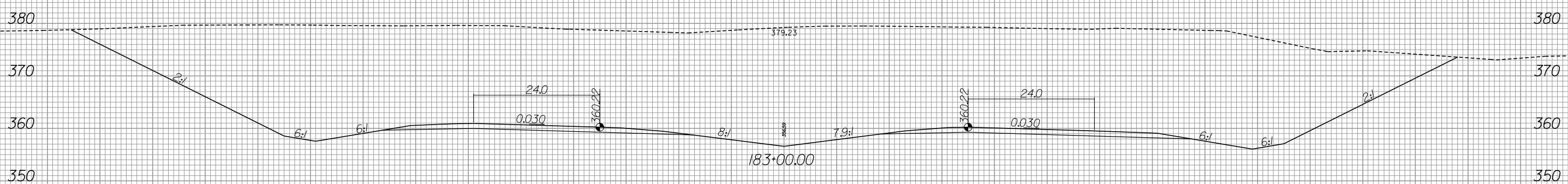
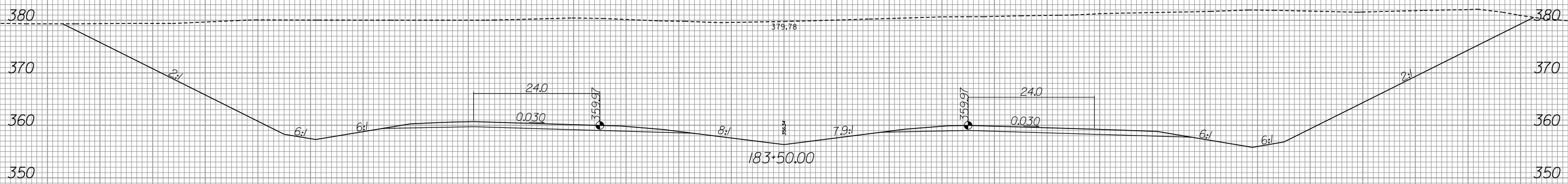
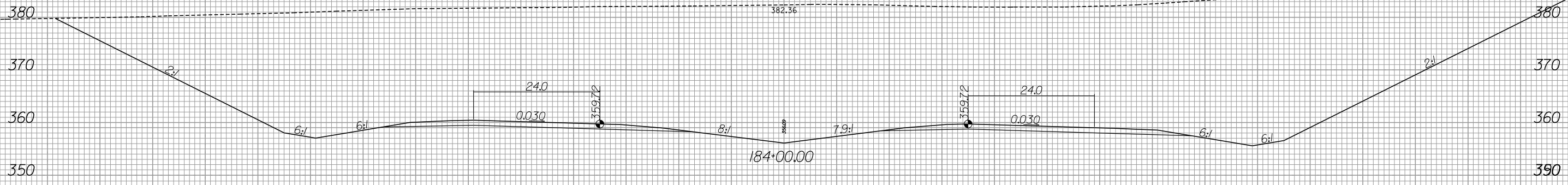


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gaussburg

-L-



390+40 120 100 80 60 40 20 0 20 40 60 80 100 120 140 390

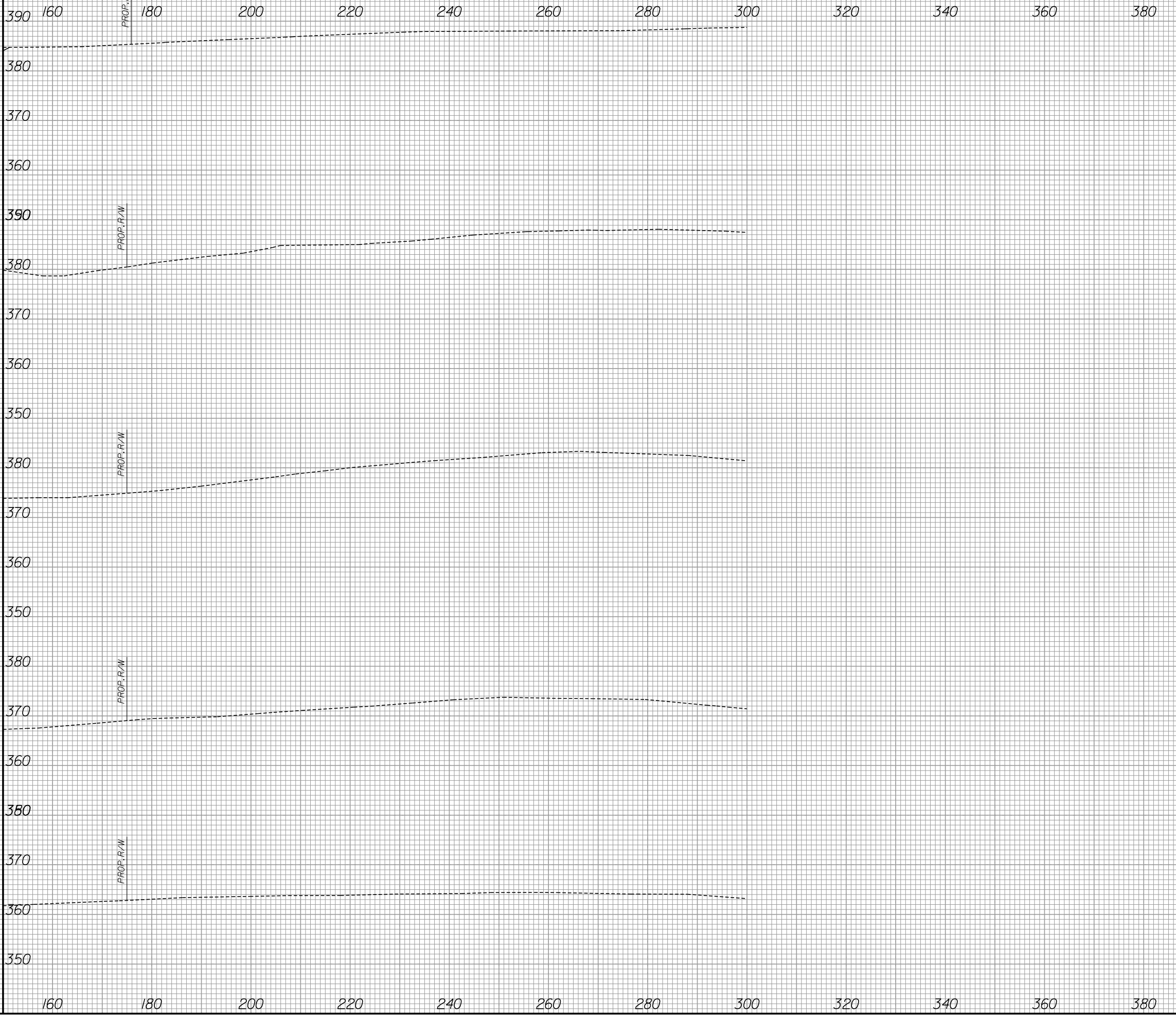


MATCH TO SHEET X-77

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

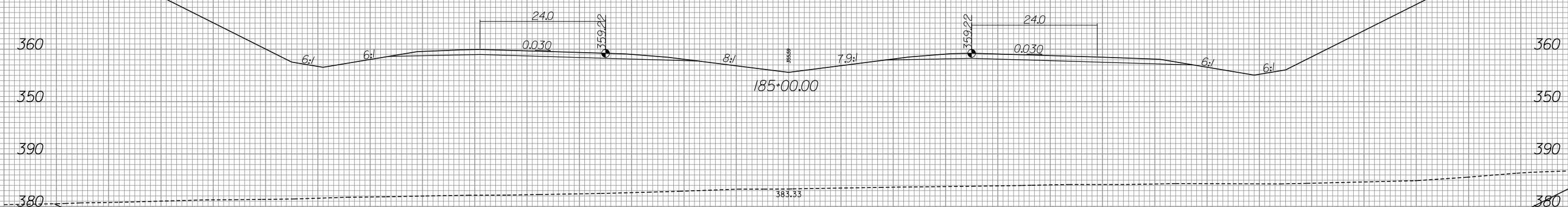
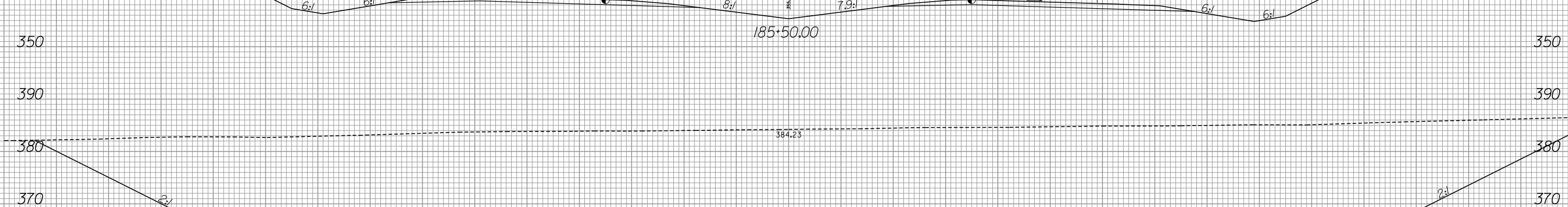
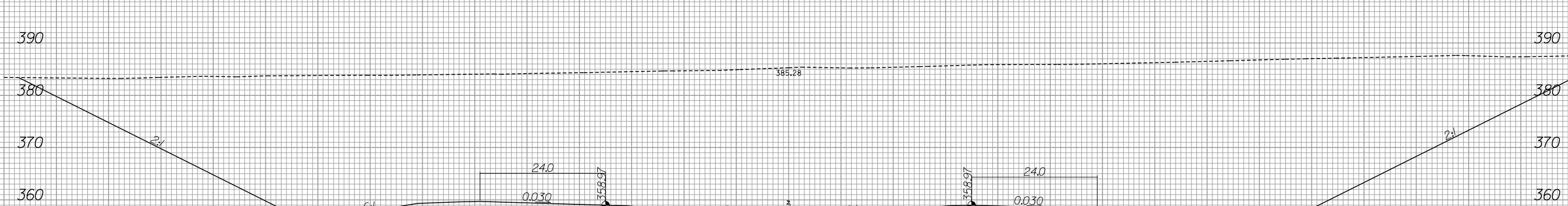
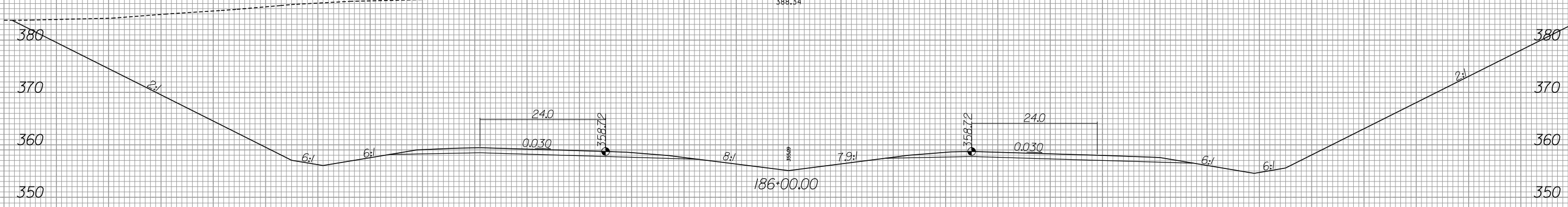


MATCH TO SHEET X-76



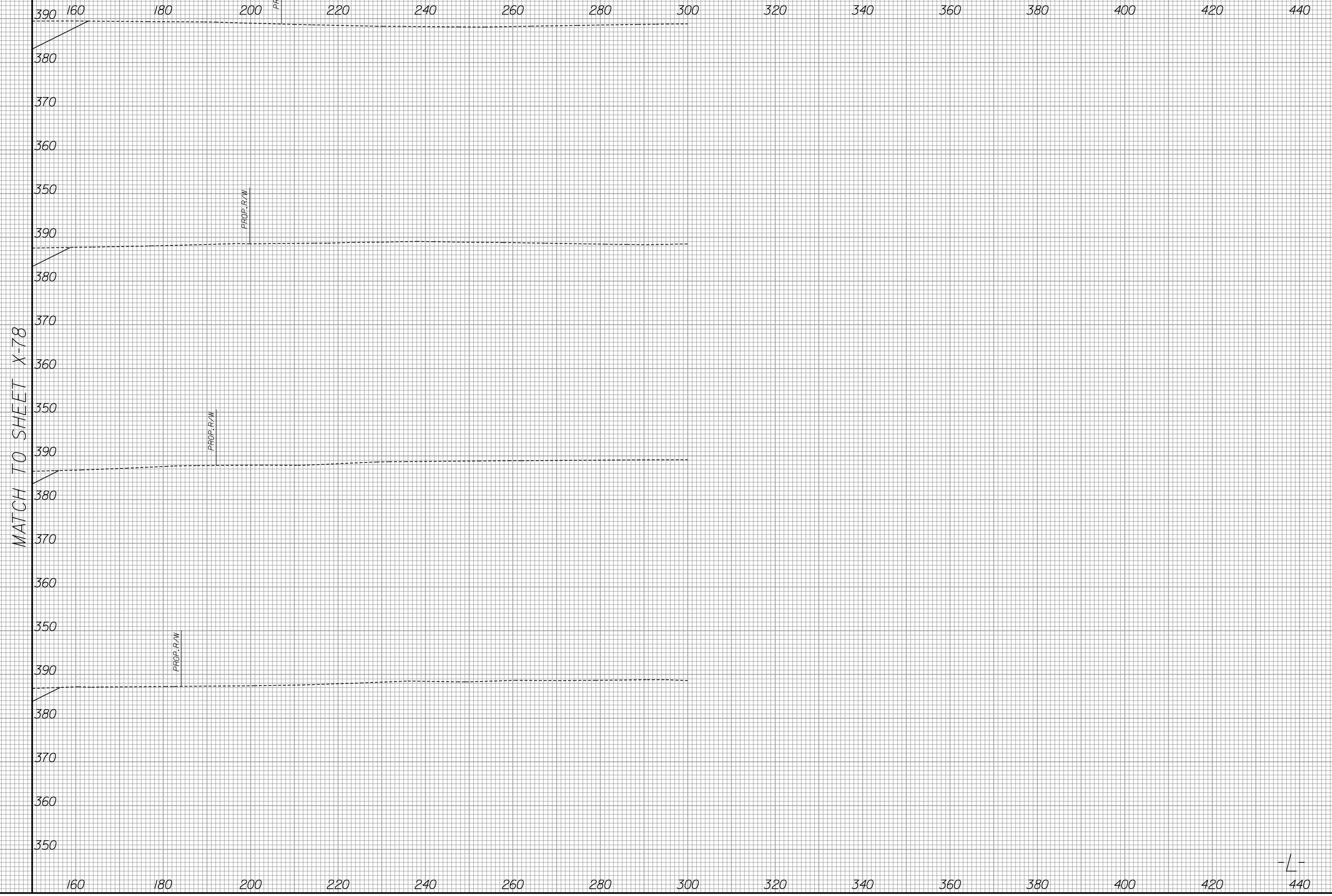


390/40 120 100 80 60 40 20 0 20 40 60 80 100 120 140 390



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-79





140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

400

400

390

390

380

380

370

370

360

360

350

400

390

390

380

380

370

370

360

360

350

400

390

390

380

380

370

370

360

360

350

350

MATCH TO SHEET X-81

MATCH TO SHEET X-82

2:1

2:1

6:1

6:1

6:1

6:1

8:1

7.9:1

2:1

2:1

6:1

6:1

6:1

6:1

8:1

7.9:1

2:1

2:1

6:1

6:1

6:1

6:1

8:1

7.9:1

24.0

24.0

24.0

24.0

24.0

24.0

0.030

0.030

0.030

0.030

0.030

0.030

357.97

357.97

358.22

358.22

358.47

358.47

187+50.00

187+00.00

186+50.00

392.89

393.08

391.52



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

400
390
380
370
360
350
390
380
370
360
350
390
380
370
360
350

MATCH TO SHEET X-80

PROP. R/W

PROP. R/W

PROP. R/W

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-82

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-80

400
390
380
370
360
400
390
380
370
360
400
390
380
370
360
350

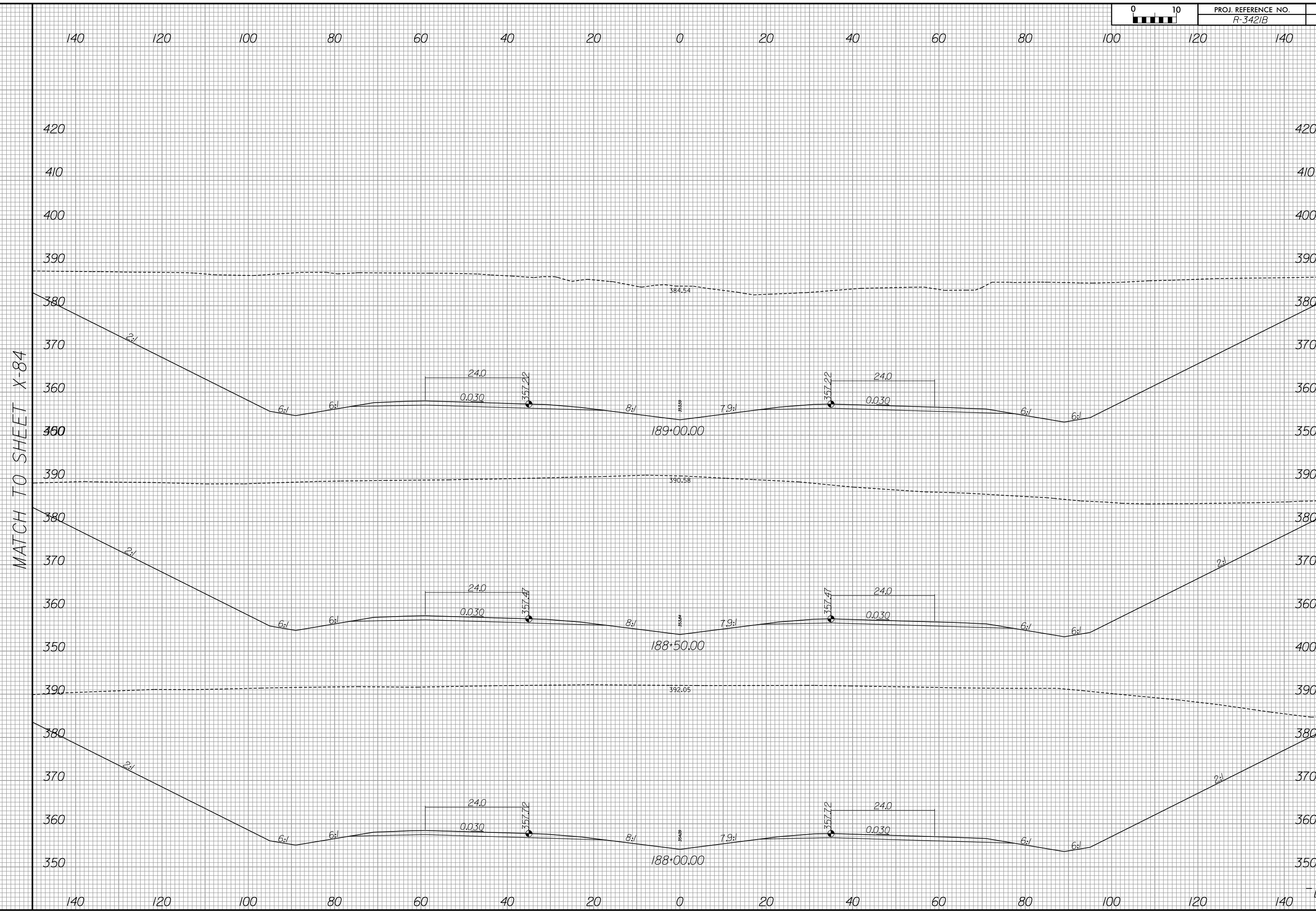
PROP. P/W

PROP. P/W

PROP. P/W

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-



MATCH TO SHEET X-84

MATCH TO SHEET X-85



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

420
410
400
390
380
370
360
360
390
380
370
360
350
390
380
370
360
350

MATCH TO SHEET X-83

PROP. R/W

PROP. R/W

PROP. R/W

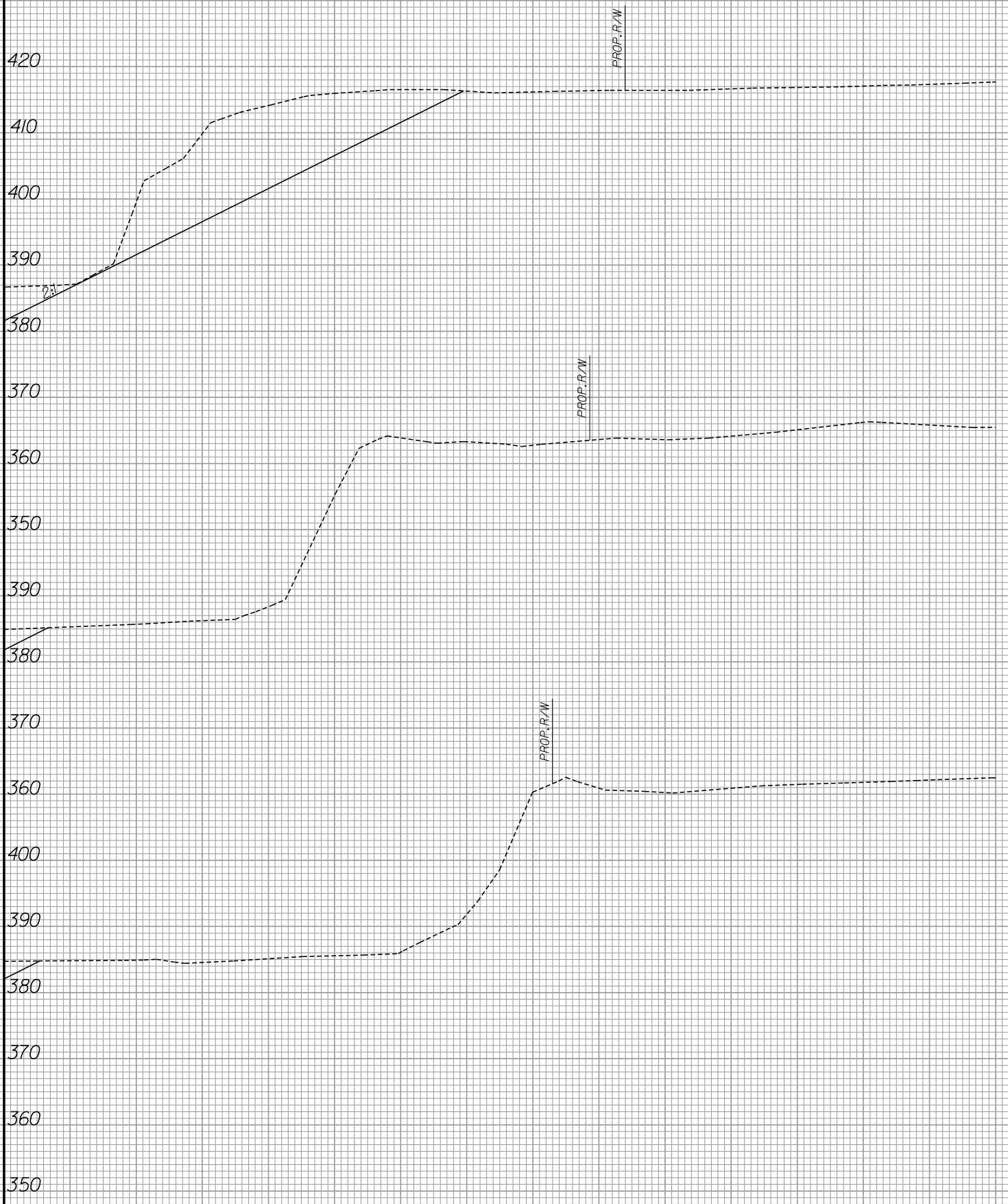
440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

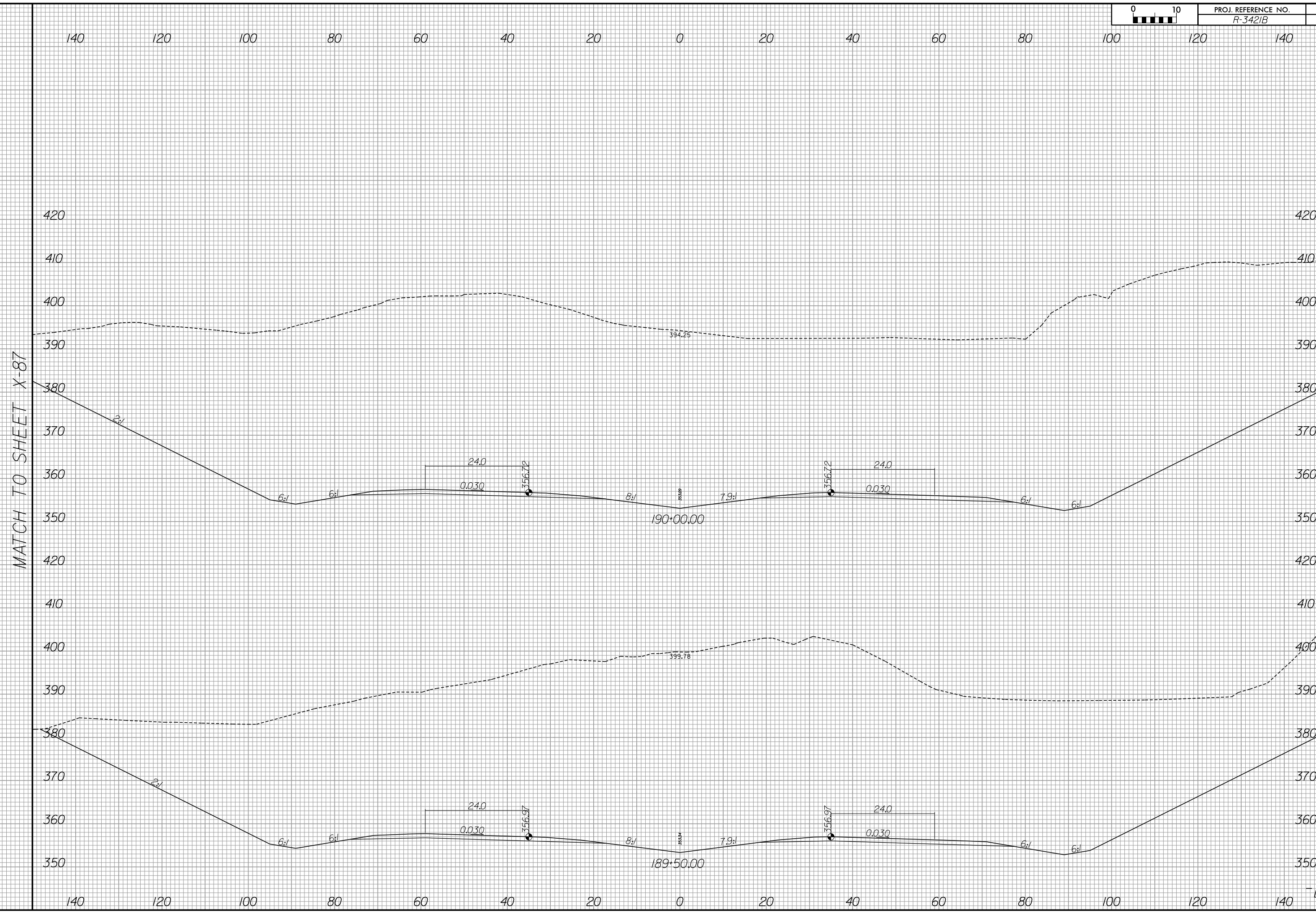
-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-83







440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

420
410
400
390
380
370
360
350
420
410
400
390
380
370
360
350

MATCH TO SHEET X-86

PROP. P/W

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

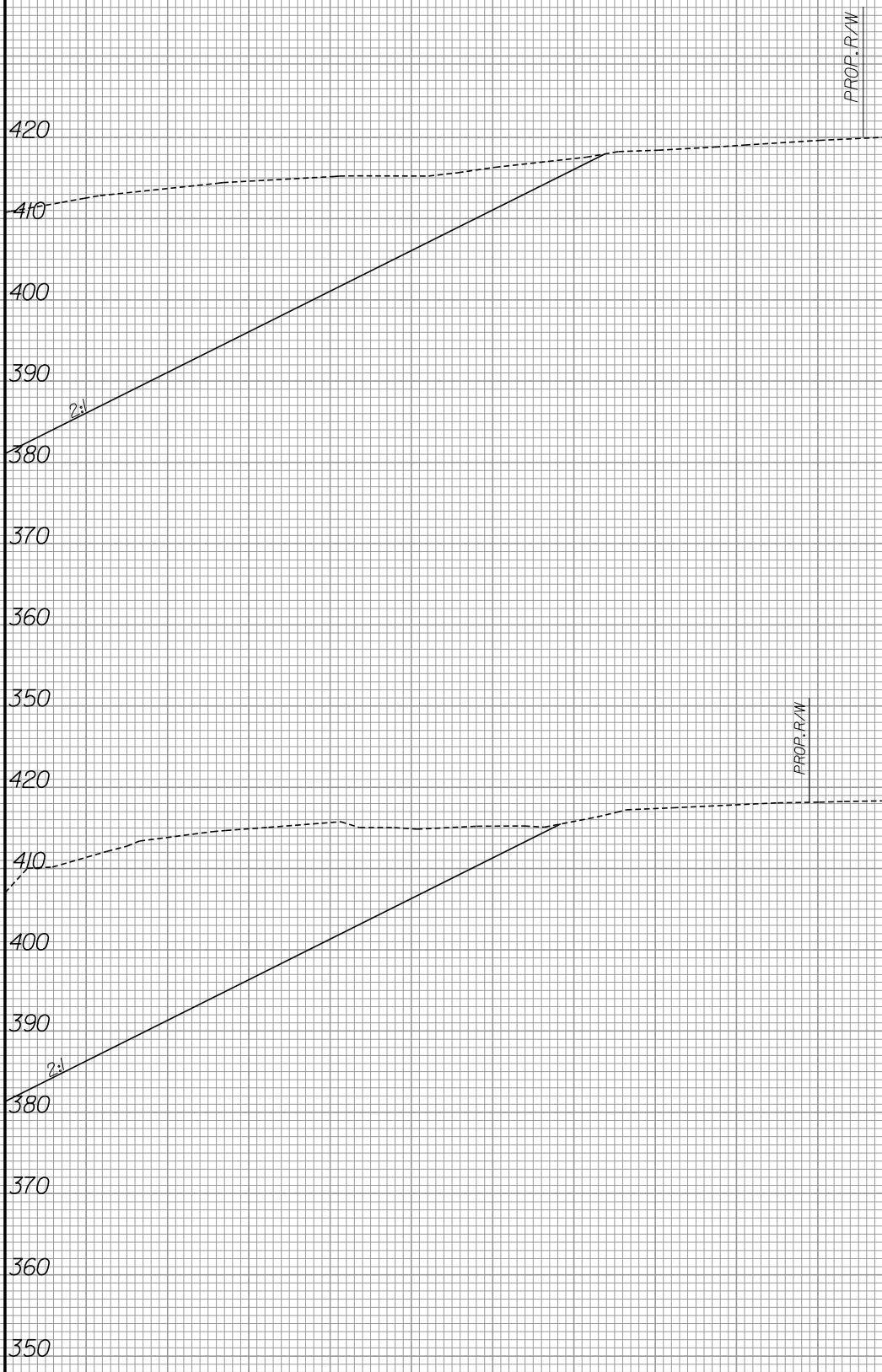
-L-



PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-88

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-86



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

430 430

420 420

410 410

400 400

390 390

380 380

370 370

360 360

350 350

420 420

410 410

400 400

390 390

380 380

370 370

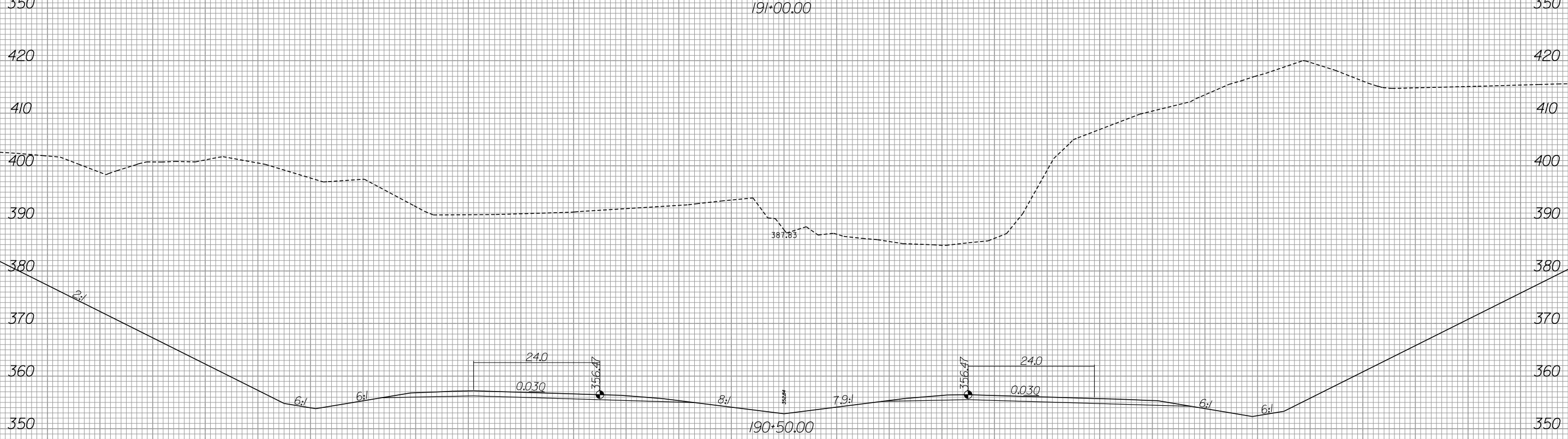
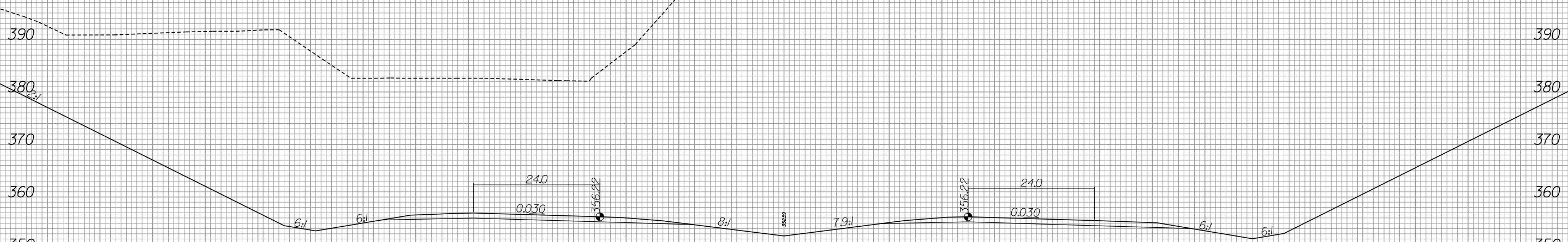
360 360

350 350

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-90

MATCH TO SHEET X-91





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

430
420
410
400
390
380
370
360
350
420
410
400
390
380
370
360
350

MATCH TO SHEET X-89

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

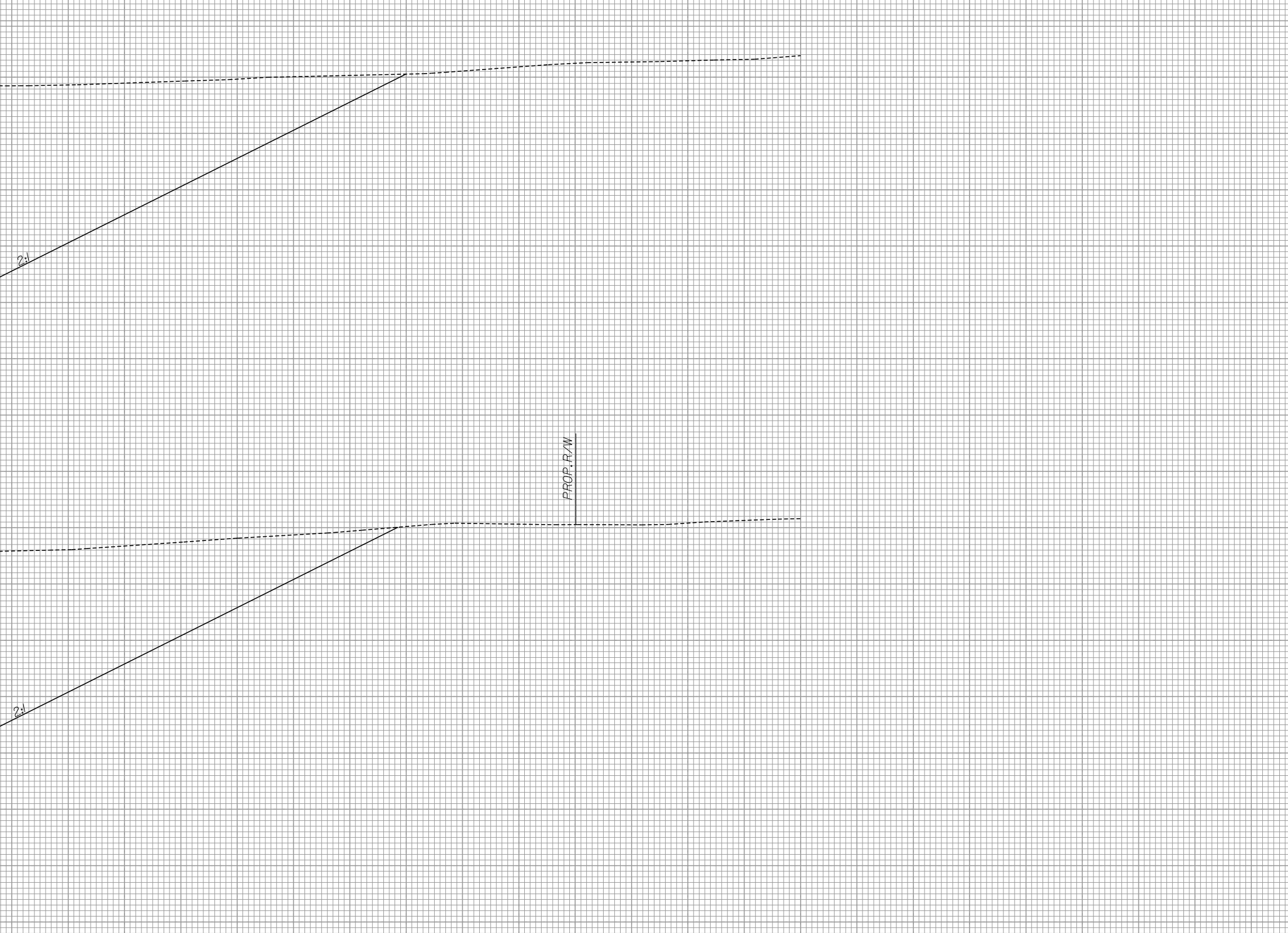
-L-



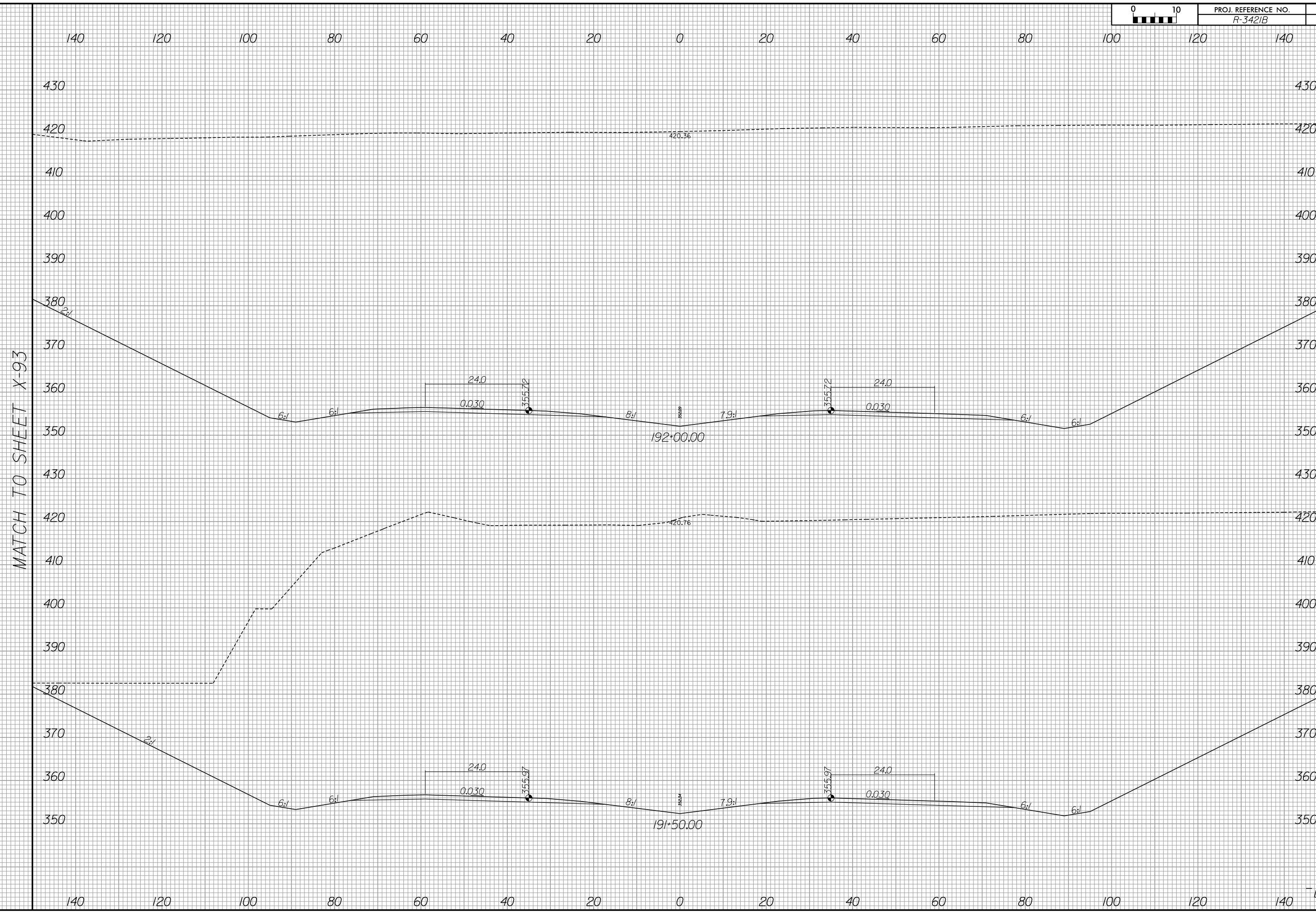
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-89

430
420
410
400
390
380
370
360
350
420
410
400
390
380
370
360
350



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

430
420
410
400
390
380
370
360
350
430
420
410
400
390
380
370
360
350

MATCH TO SHEET X-92

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

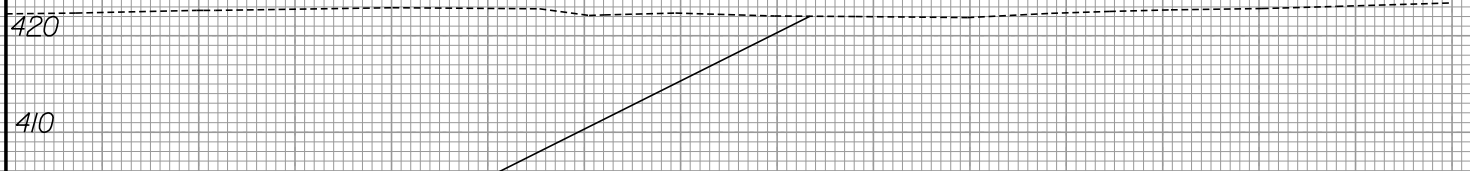
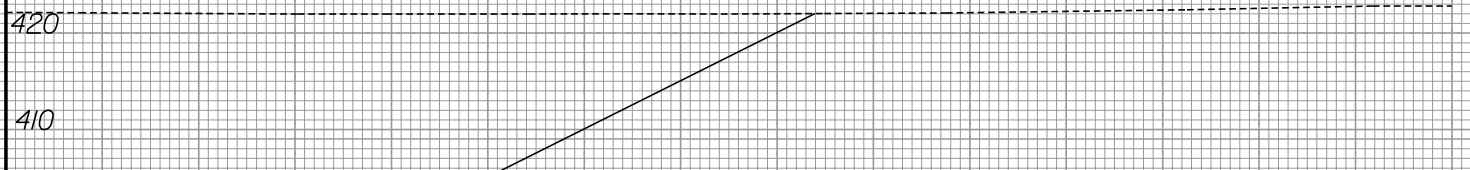
-L-



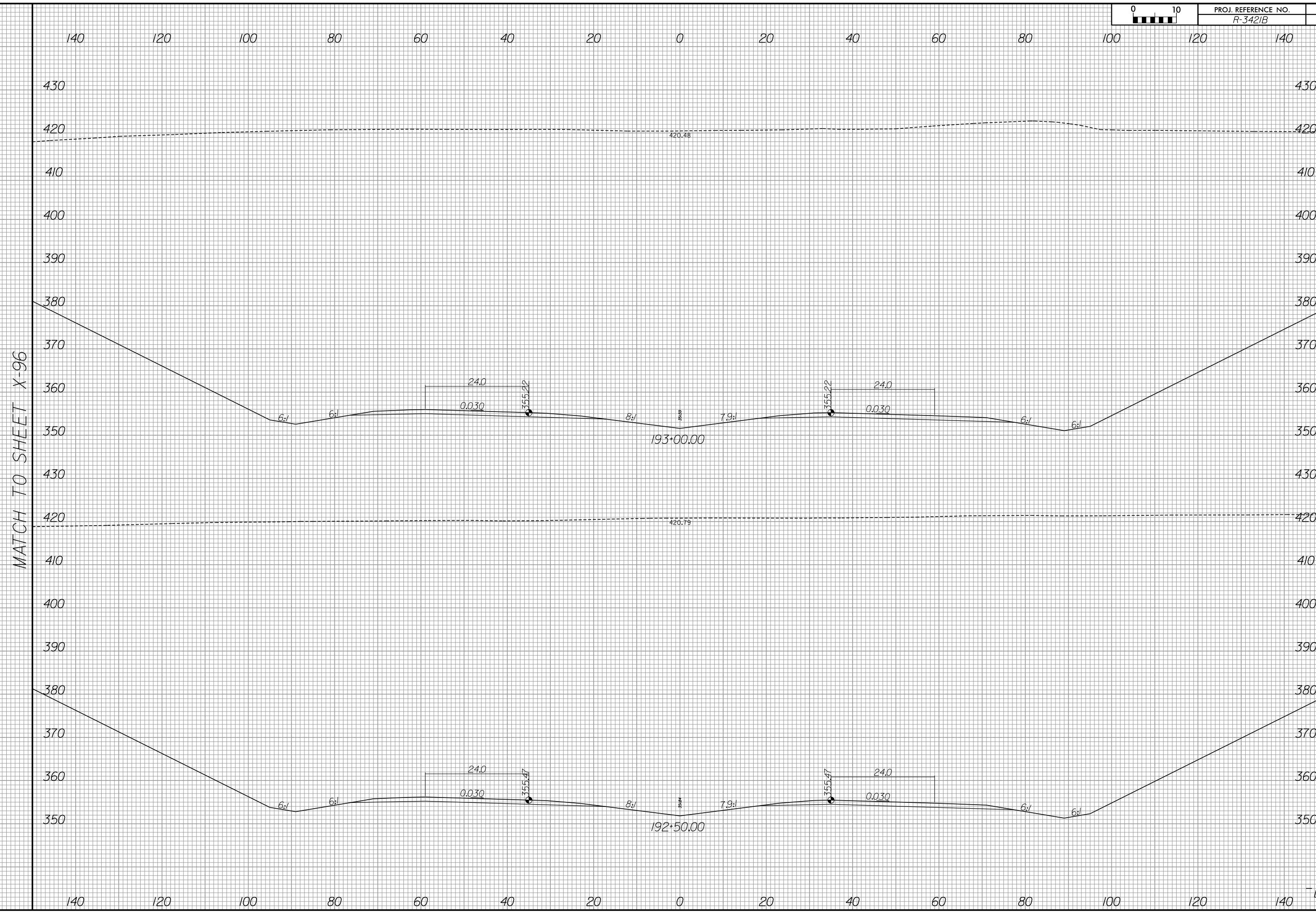
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-92

430
420
410
400
390
380
370
360
350
430
420
410
400
390
380
370
360
350



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

430
420
410
400
390
380
370
360
350
430
420
410
400
390
380
370
360
350

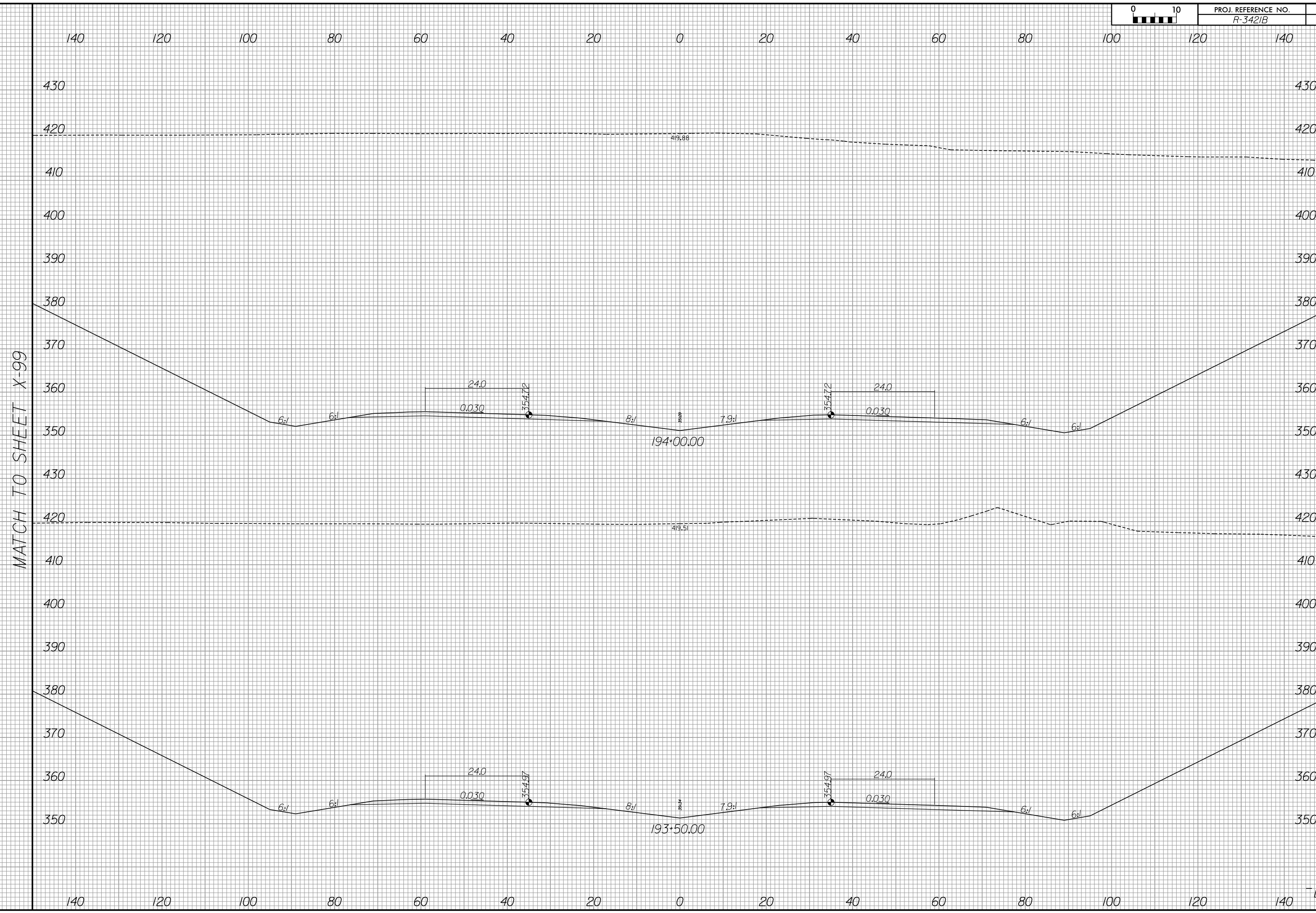
MATCH TO SHEET X-95

-L-

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

MATCH TO SHEET X-95





MATCH TO SHEET X-99

MATCH TO SHEET X-100

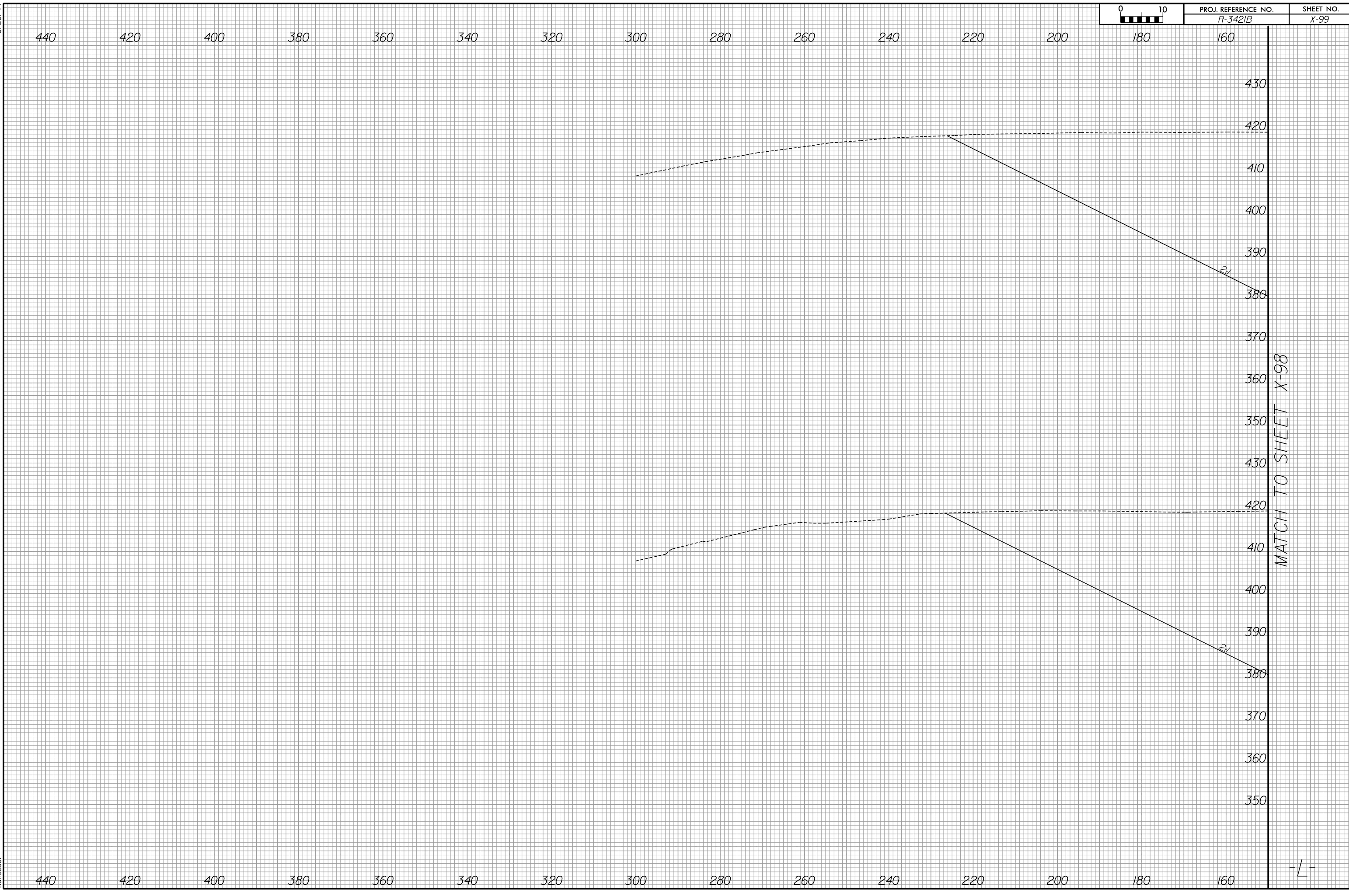
440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

430
420
410
400
390
380
370
360
350
430
420
410
400
390
380
370
360
350

MATCH TO SHEET X-98

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-





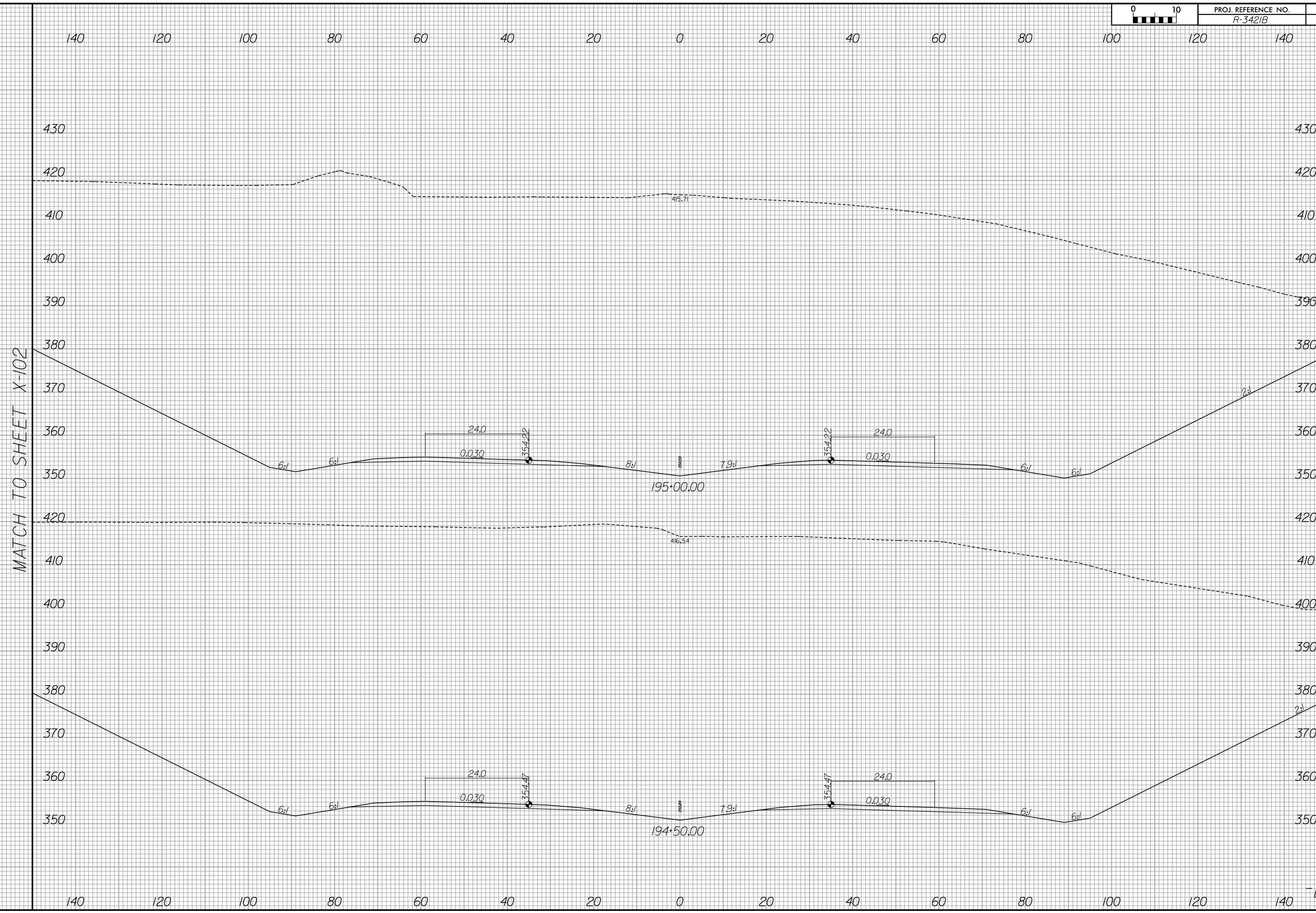
PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-100

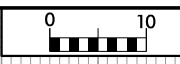
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-98

430
420
410
400
390
380
370
360
350
430
420
410
400
390
380
370
360
350

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

430
420
410
400
390
380
370
360
350
420
410
400
390
380
370
360
350

MATCH TO SHEET X-101

-L-

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160



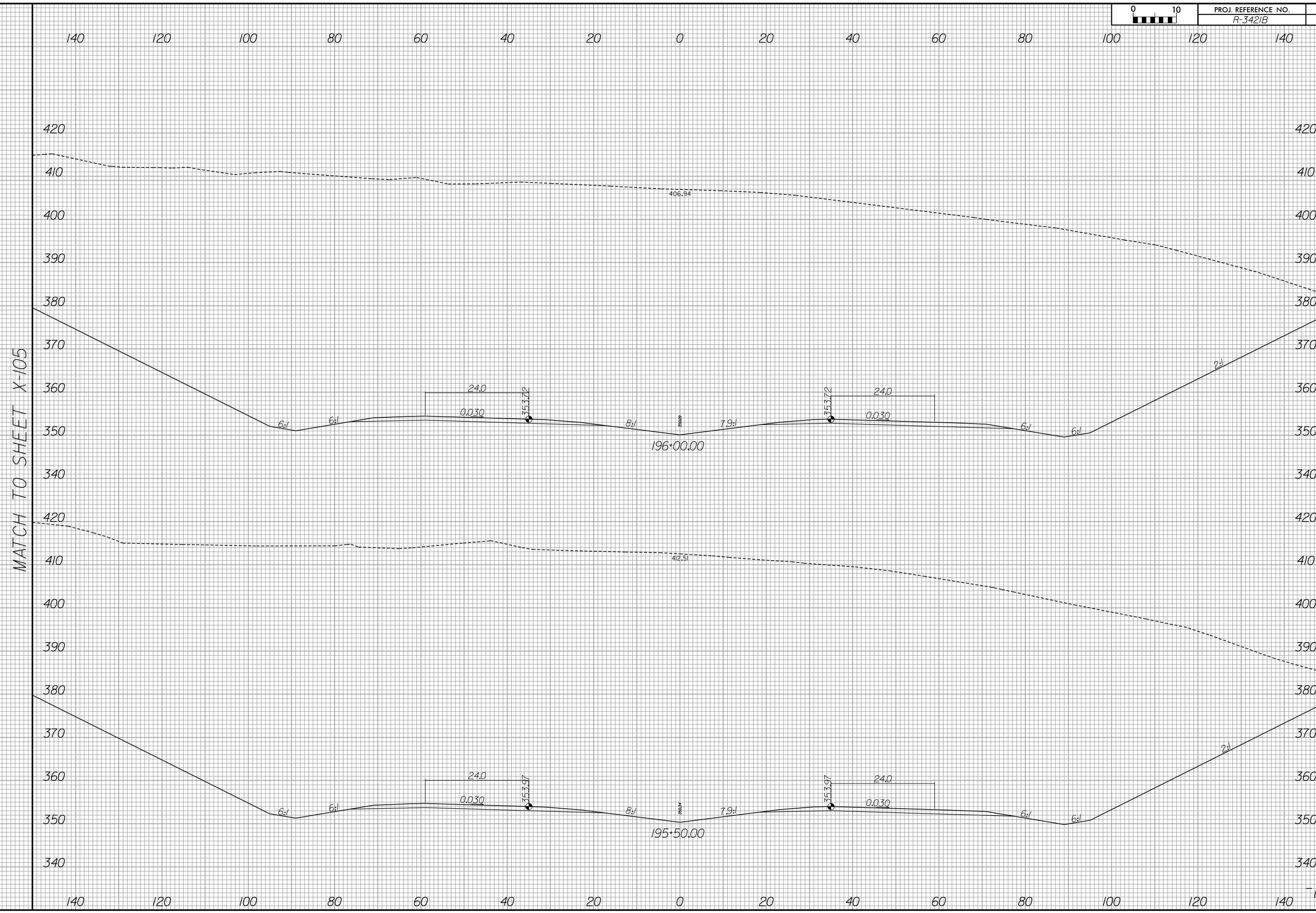
PROJ. REFERENCE NO. R-342/B	SHEET NO. X-103
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160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-101

430
420
410
400
390
380
370
360
420
410
400
390
380
370
360
350

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

420
410
400
390
380
370
360
350
340
420
410
400
390
380
370
360
350
340

MATCH TO SHEET X-104

-L-

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

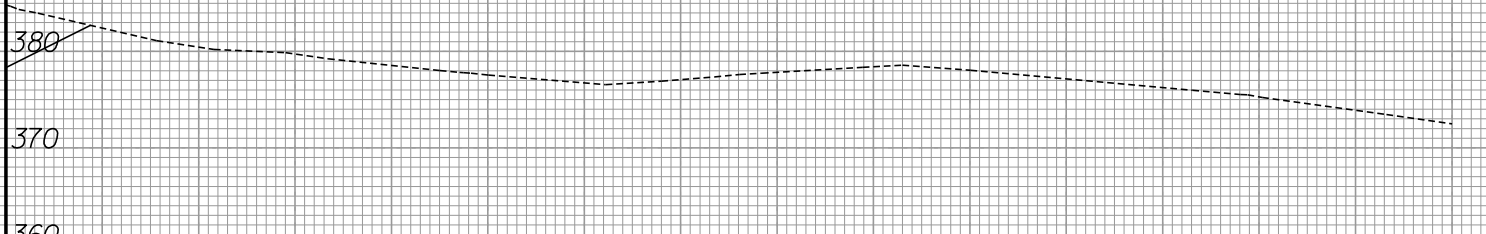
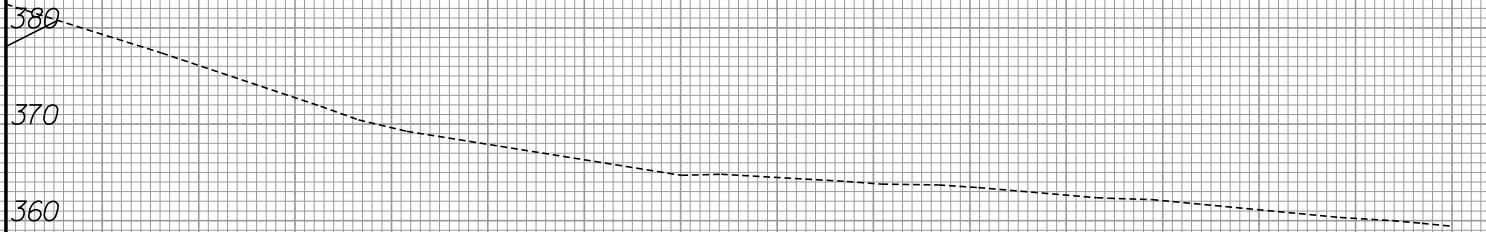


PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-106

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

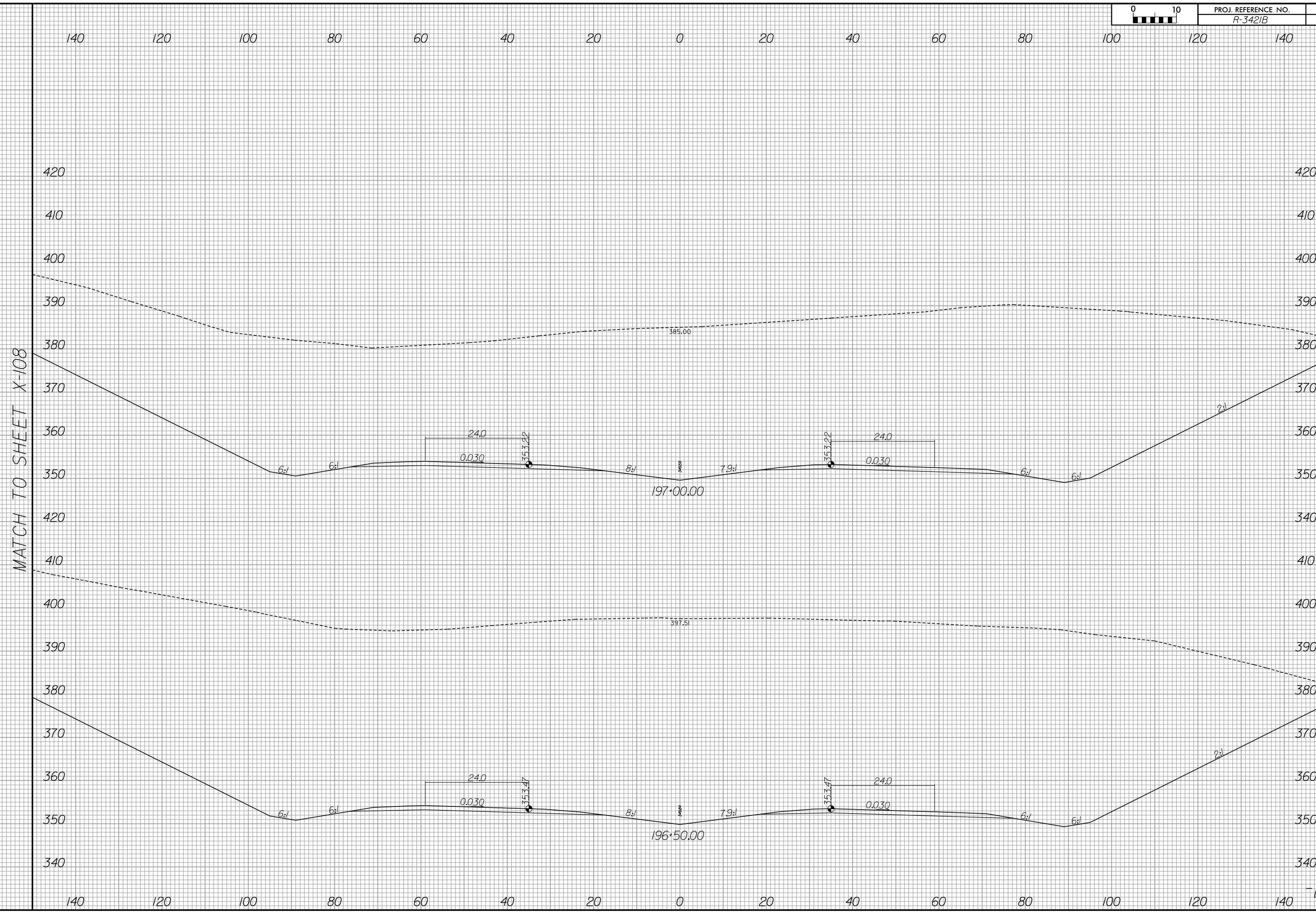
MATCH TO SHEET X-104

420
410
400
390
380
370
360
350
340
420
410
400
390
380
370
360
350
340



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

420
410
400
390
380
370
360
350
420
410
400
390
380
370
360
350
340

MATCH TO SHEET X-107

-L-

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

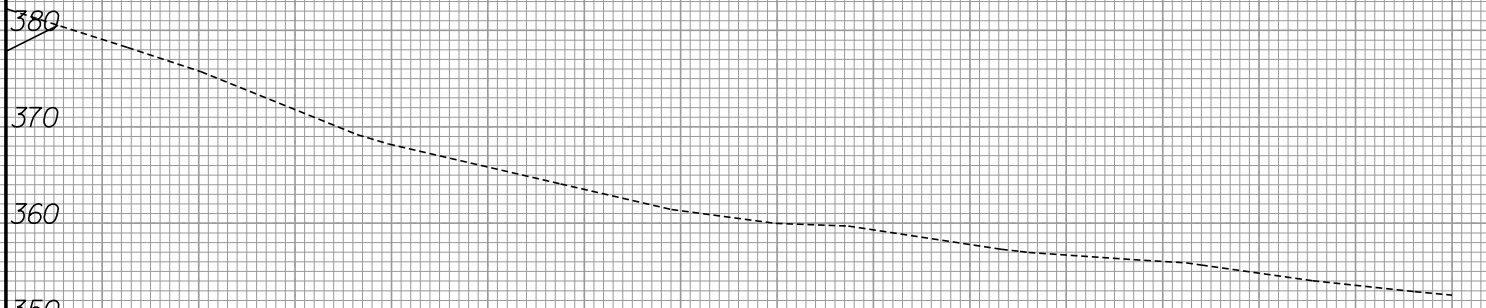
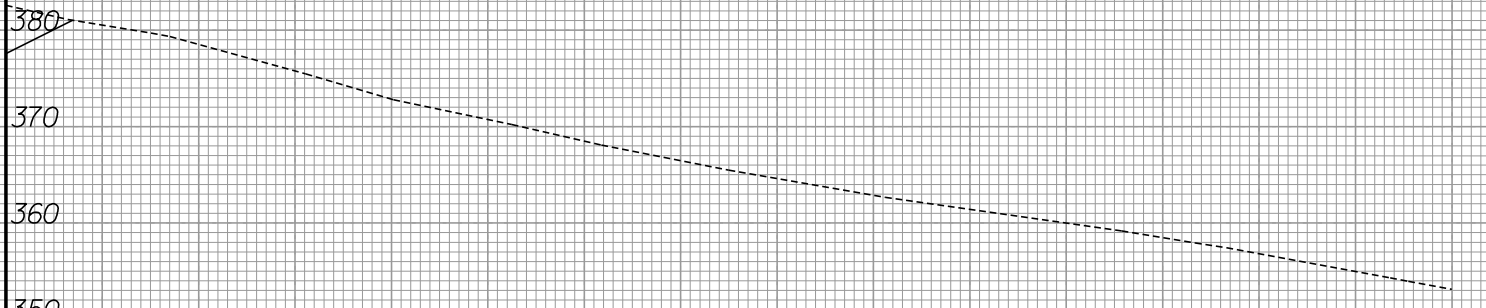


PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-109

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

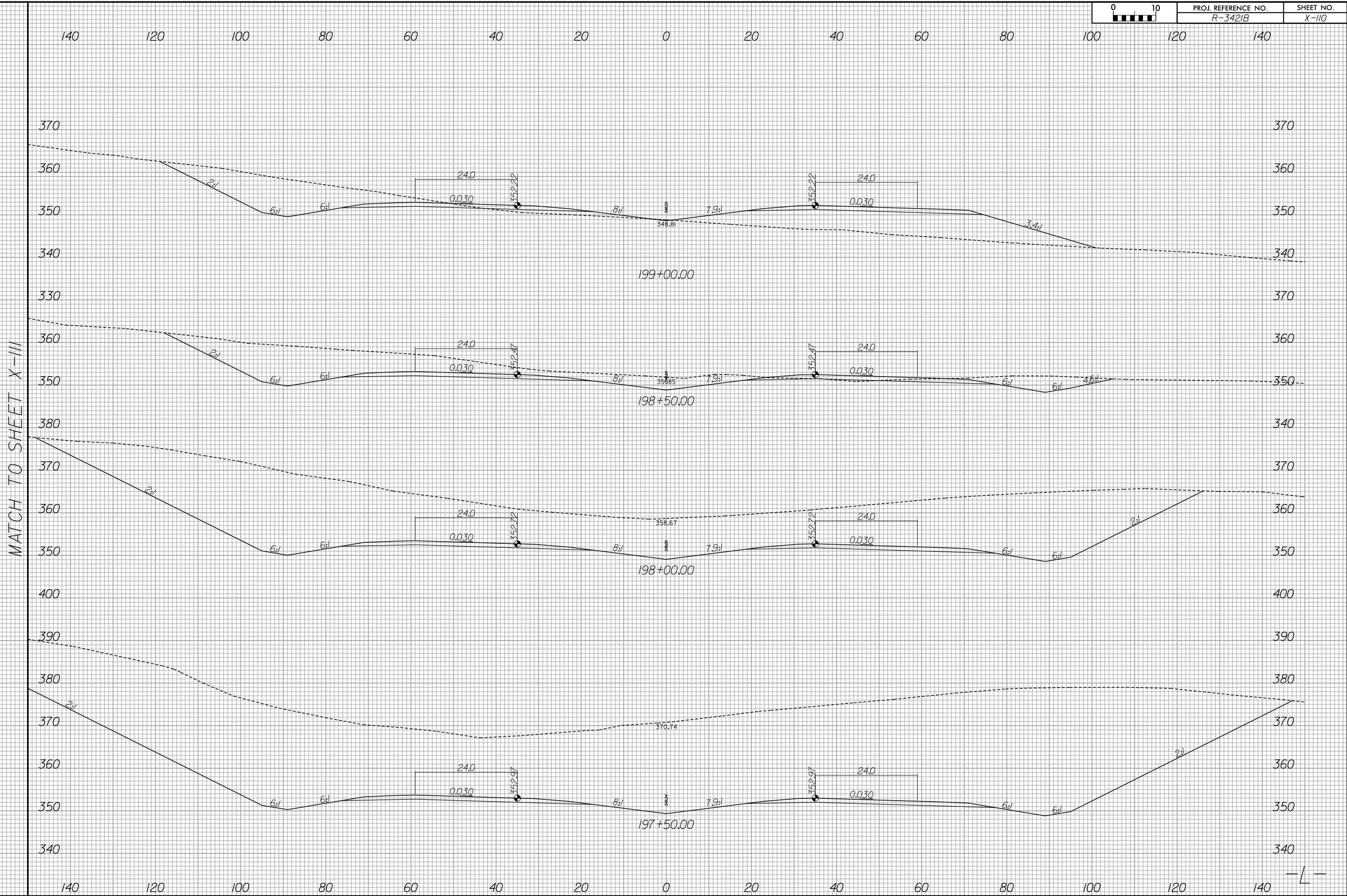
MATCH TO SHEET X-107

420
410
400
390
380
370
360
350
340
410
400
390
380
370
360
350
340



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

370
360
350
340
330
360
350
380
370
360
400
390
380
370
360
350
340

MATCH TO SHEET X-110

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

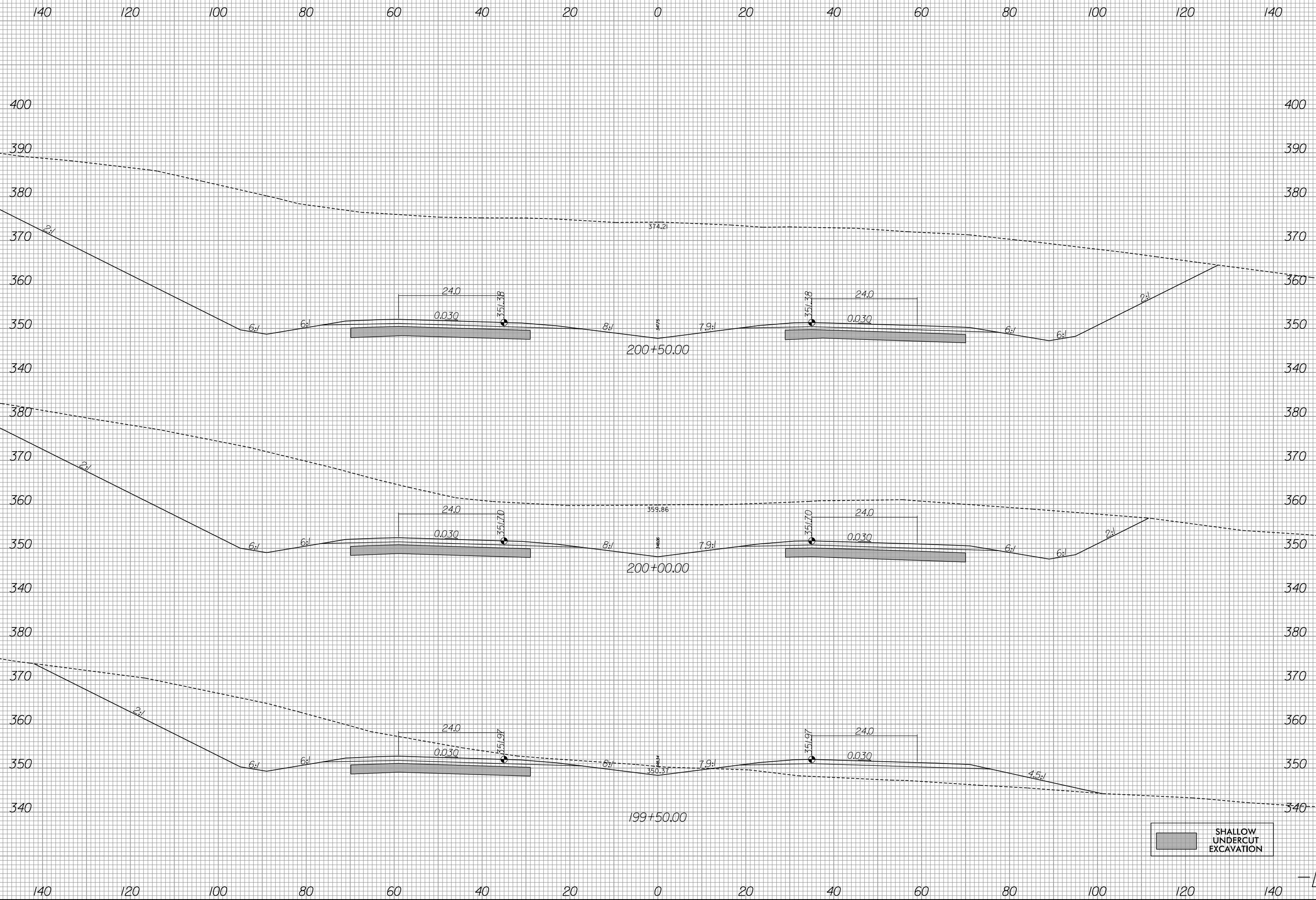
8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-112

MATCH TO SHEET X-113

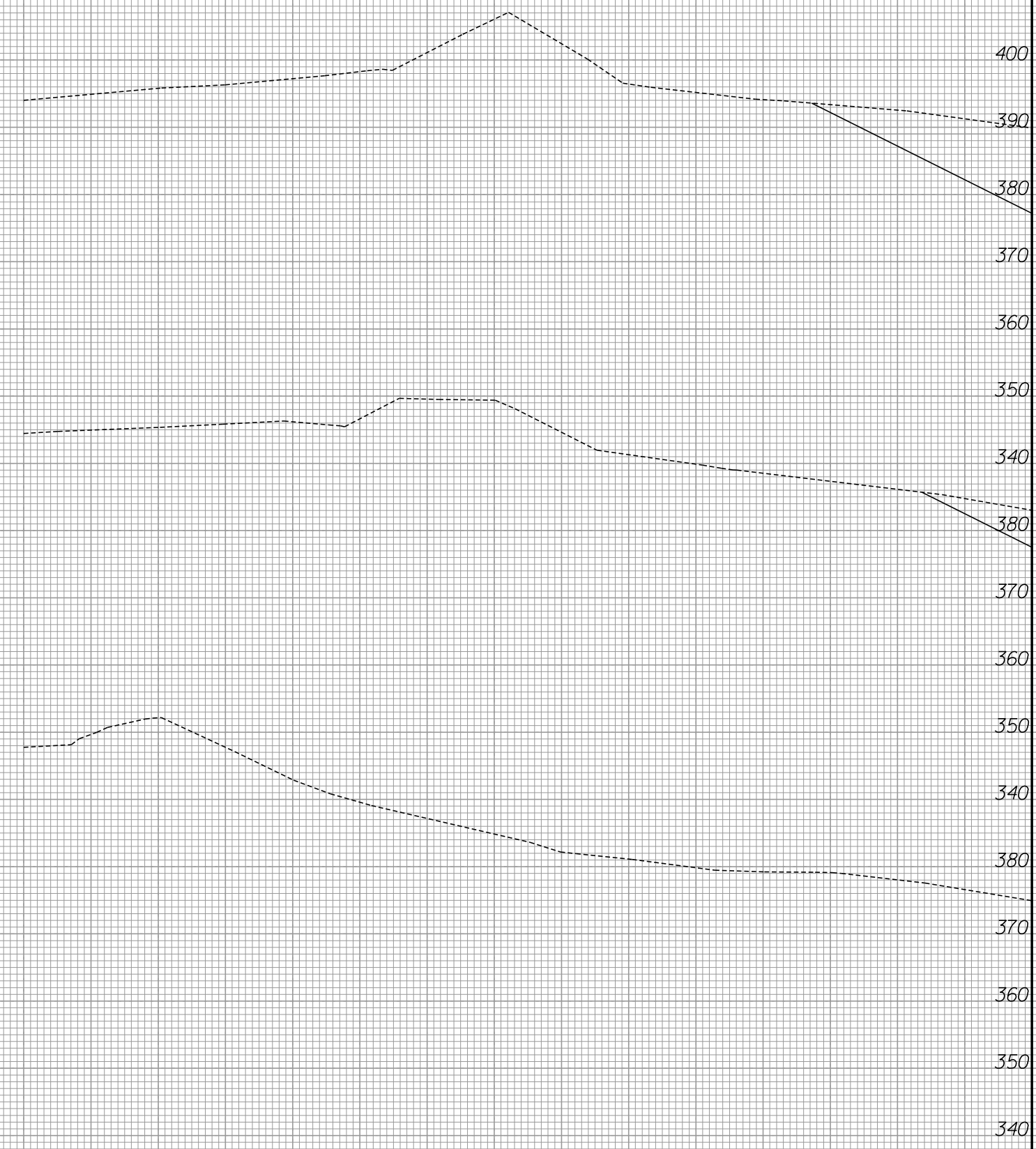


6/13/2019
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gaugsborg

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440 420 400 380 360 340 320 300 280 260 240 220 200 180 160



MATCH TO SHEET X-112

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

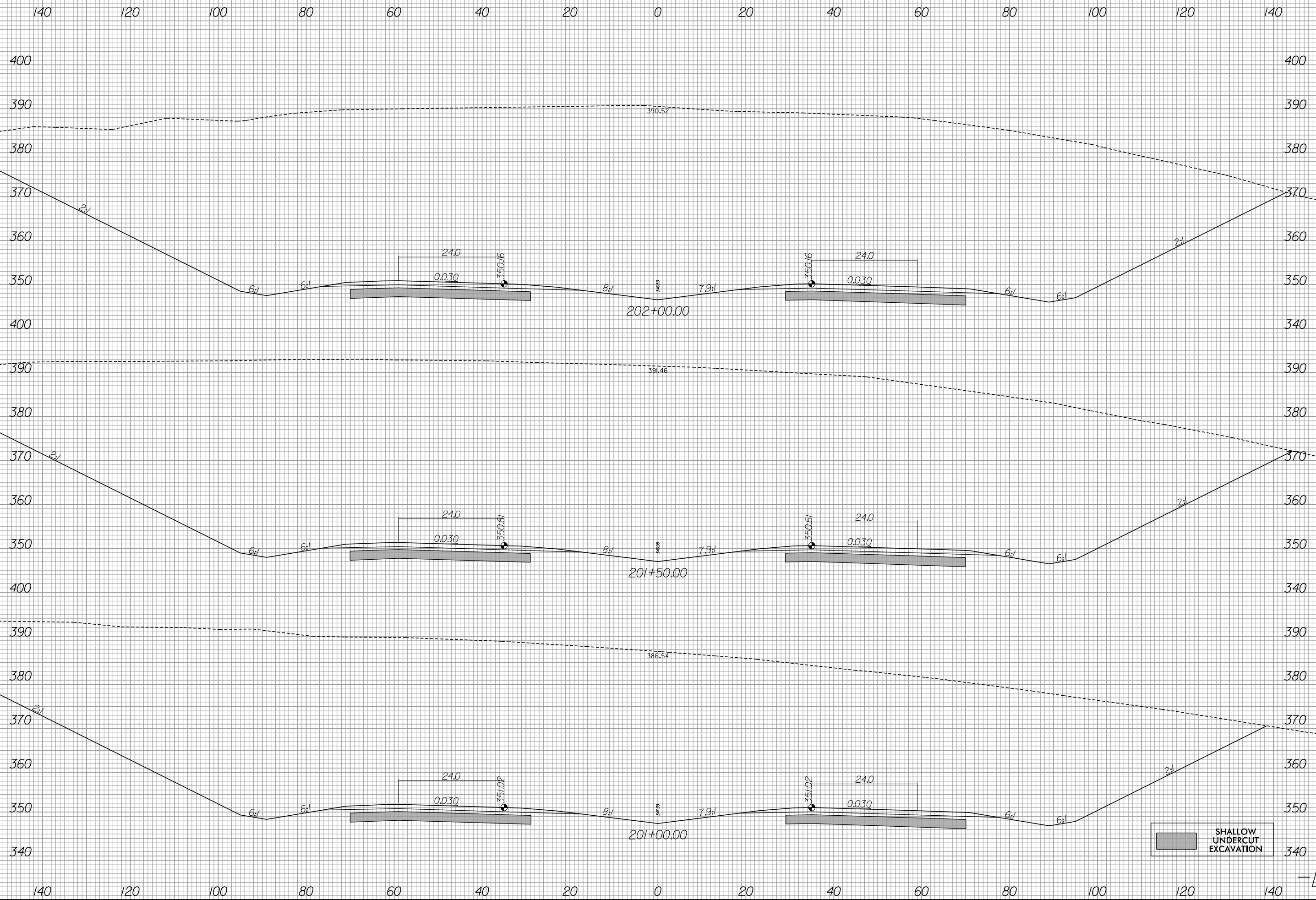
8/23/99



PROJ. REFERENCE NO.
R-3421B

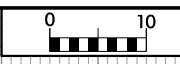
SHEET NO.
X-114

MATCH TO SHEET X-115



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gaussburg

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

400
390
380
370
360
350
400
390
380
370
360
350
400
390
380
370
360
350
340

MATCH TO SHEET X-114

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

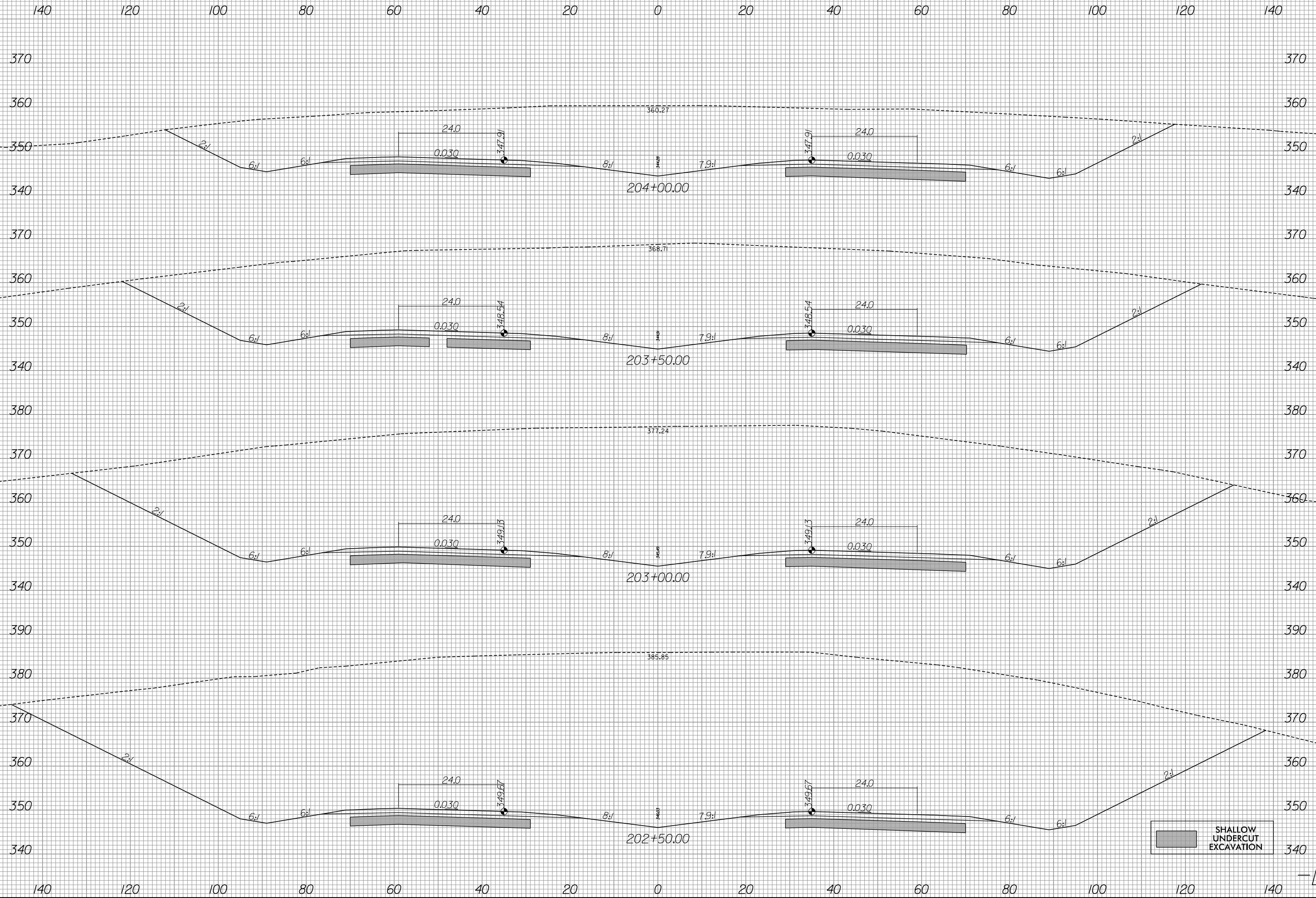
-L-

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PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-116



SHALLOW UNDERCUT EXCAVATION

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gaussburg

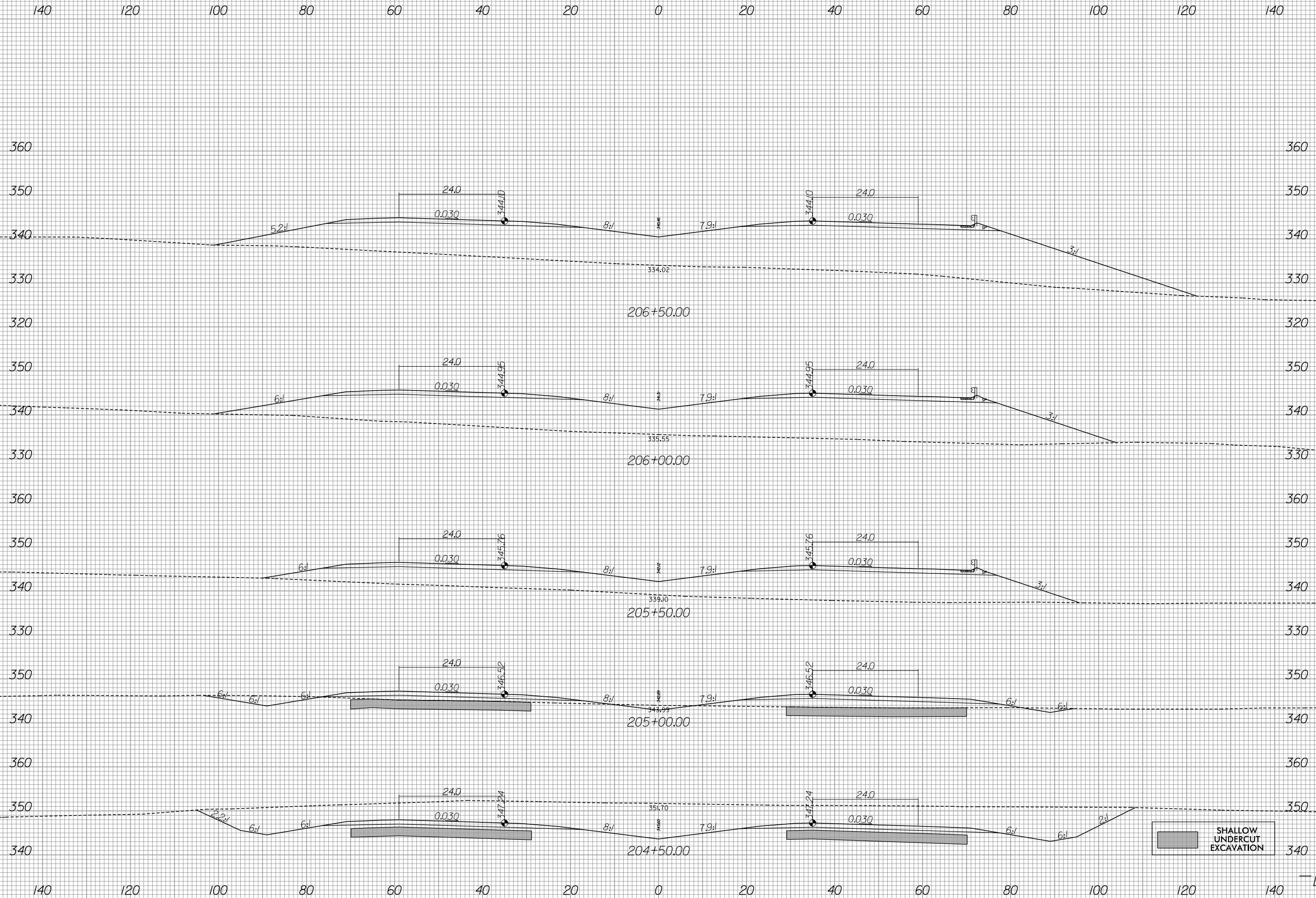
-L-

8/23/99



PROJ. REFERENCE NO.
R-3421B

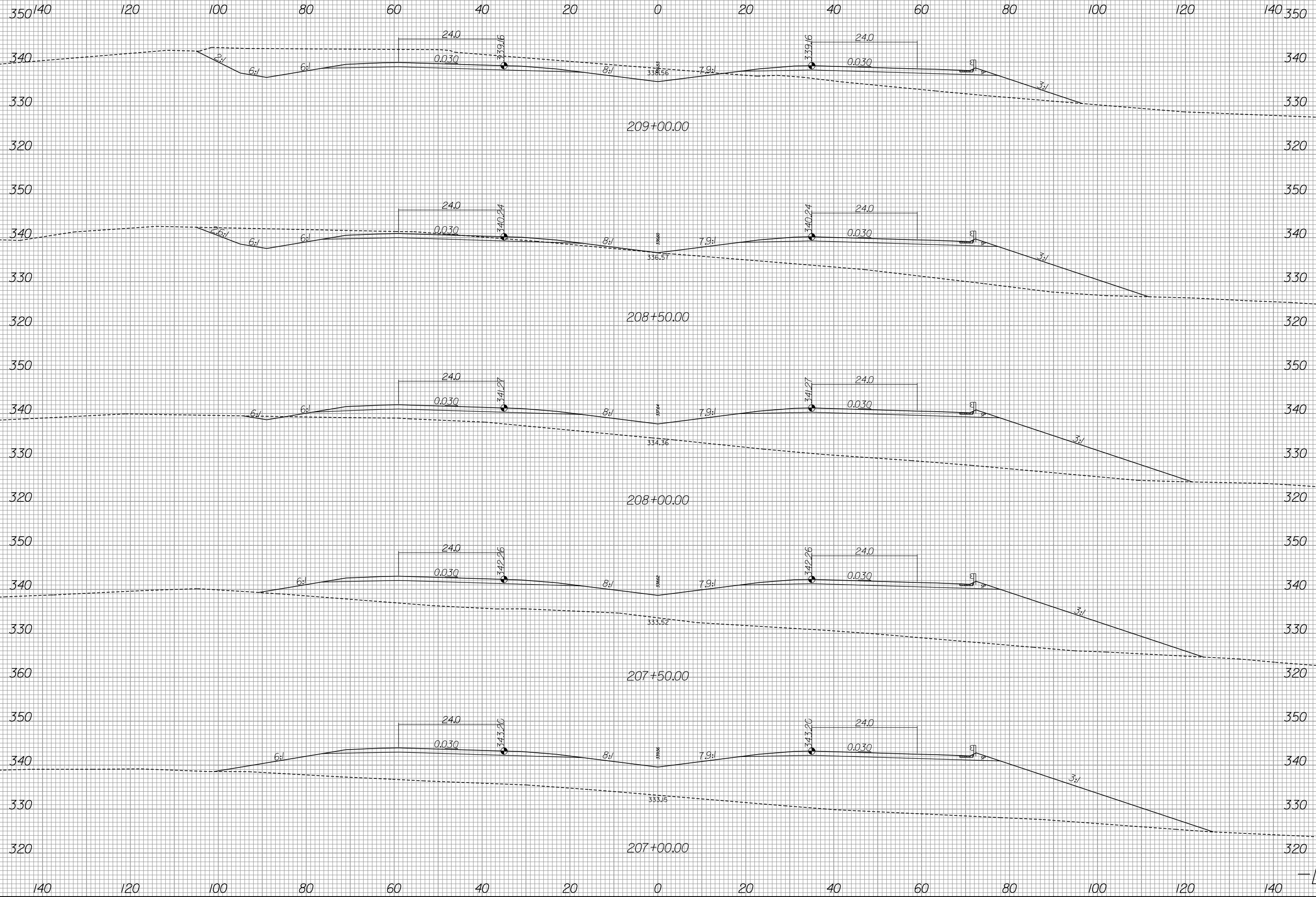
SHEET NO.
X-117



SHALLOW UNDERCUT EXCAVATION

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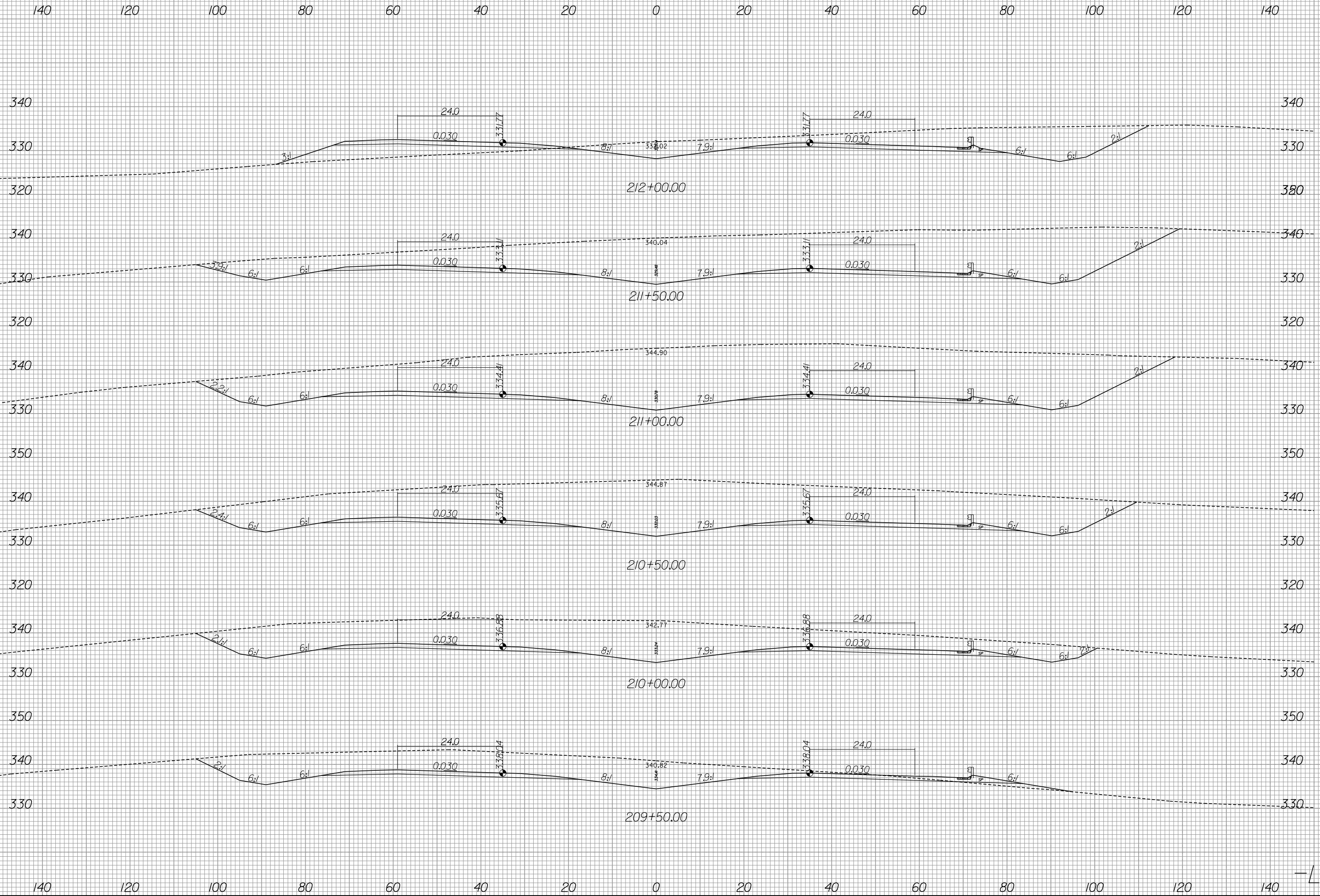


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PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-119



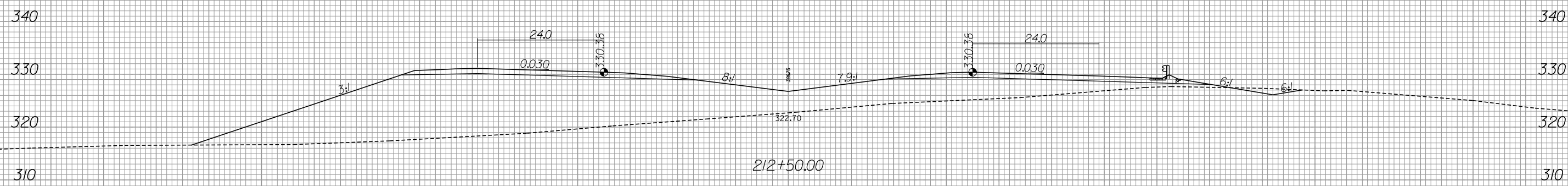
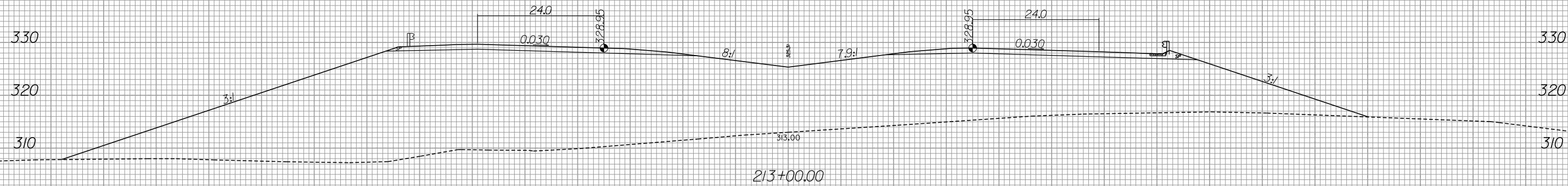
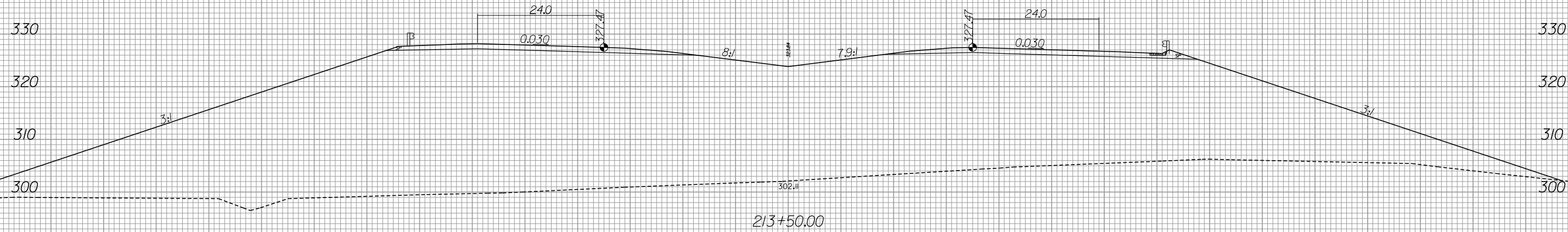
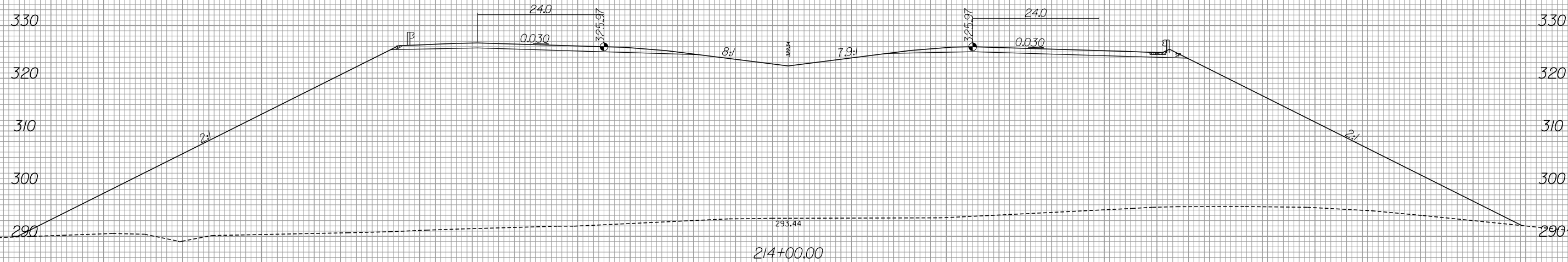
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340 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 340



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

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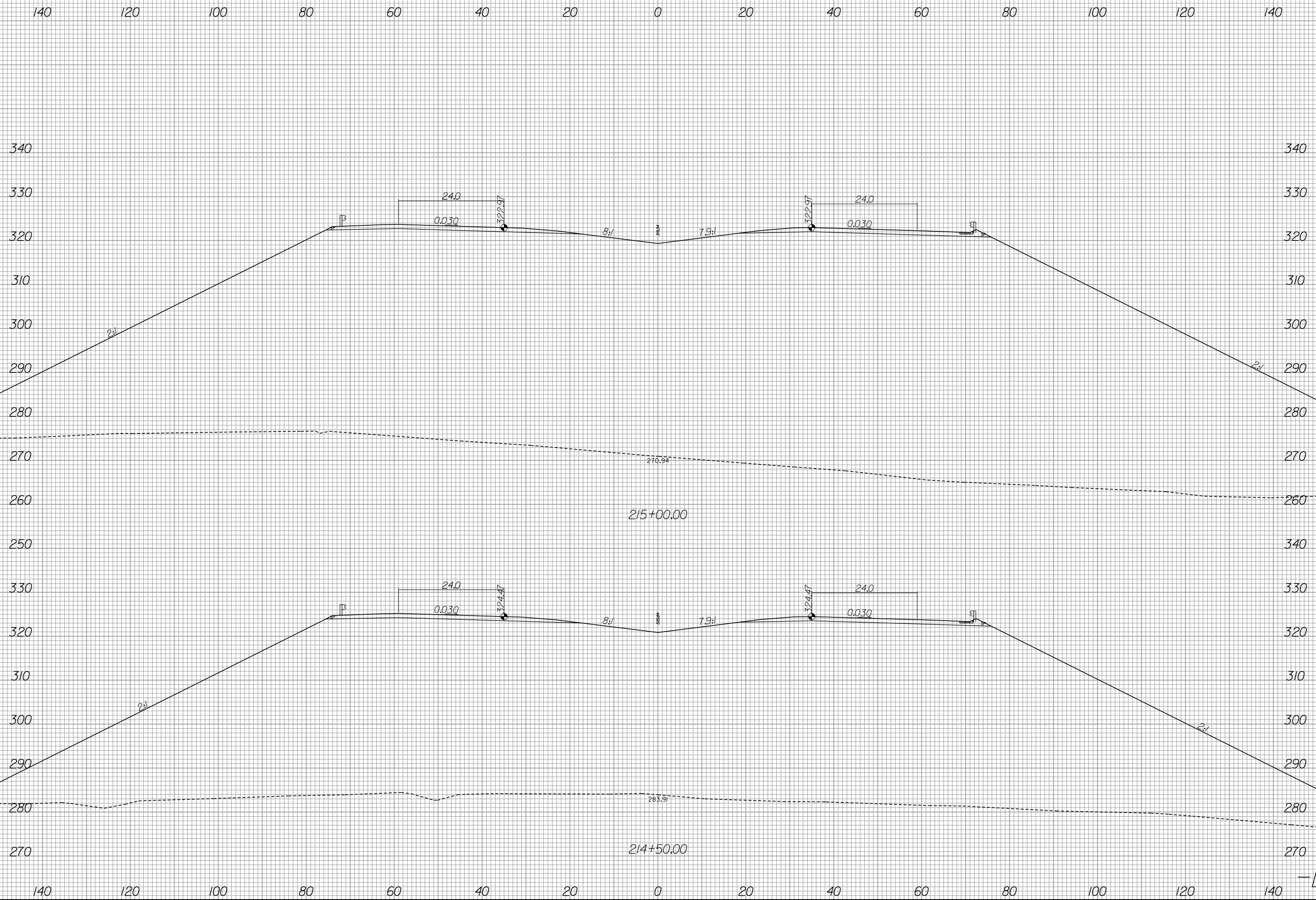
8/23/99



PROJ. REFERENCE NO. R-3421B	SHEET NO. X-121
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MATCH TO SHEET X-122

MATCH TO SHEET X-123



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440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

340
330
320
310
300
290
280
270
260
250
330
320
310
300
290
280
270

MATCH TO SHEET X-121

PROP. R/W

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-123

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-121

340
330
320
310
300
290
280
270
260
340
330
320
310
300
290
280
270

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

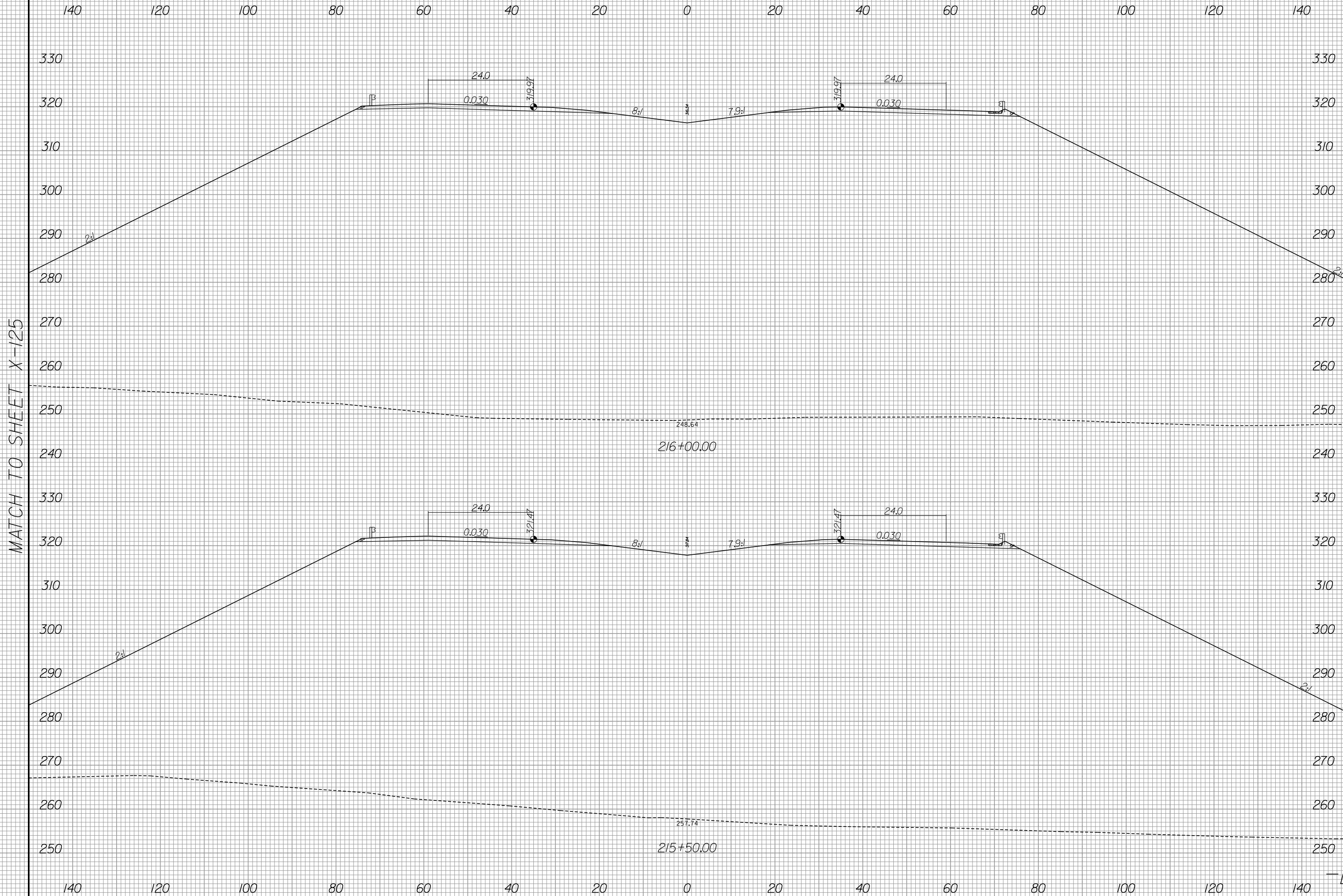
PROP. R/W

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PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-124



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gaugsburg

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440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

330
320
310
300
290
280
270
260
250
330
320
310
300
290
280
270
260
250

MATCH TO SHEET X-124

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-126

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-124

330
320
310
300
290
280
270
260
250
240
330
320
310
300
290
280
270
260
250

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

 UNDERCUT EXCAVATION

8/23/99

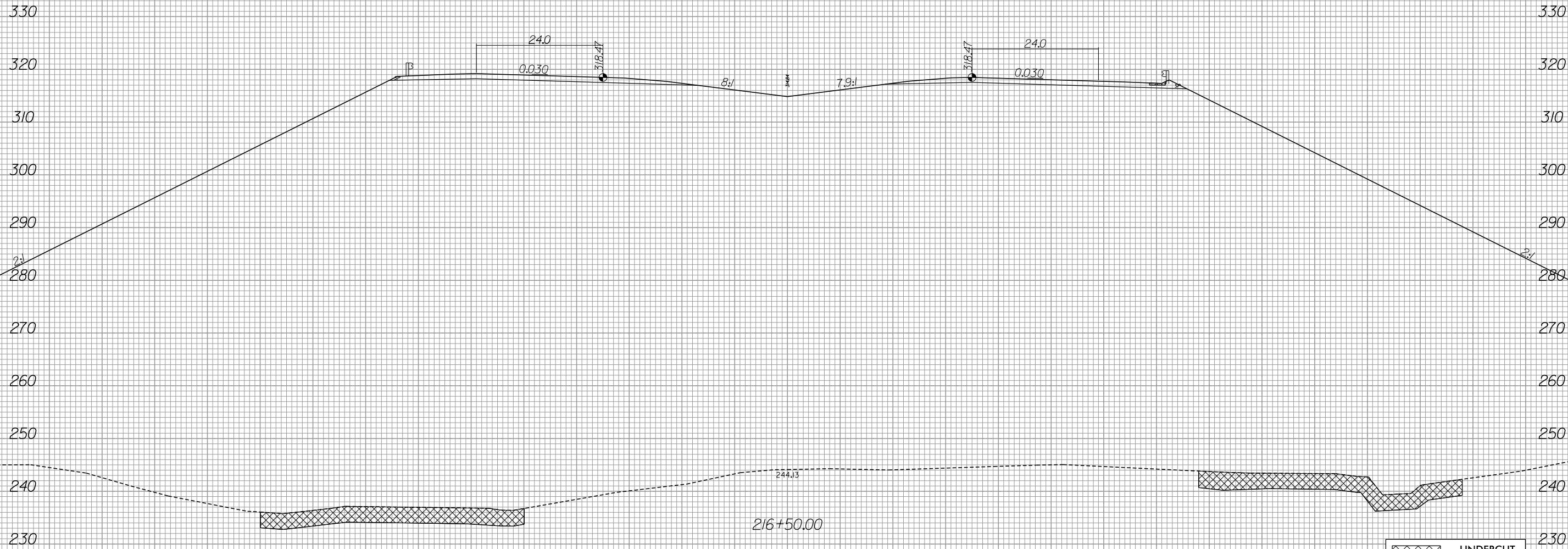


PROJ. REFERENCE NO. R-3421B	SHEET NO. X-127
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140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-128

MATCH TO SHEET X-129



UNDERCUT EXCAVATION

6/13/2019
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Gaugsborg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

330
320
310
300
290
280
270
260
250
240
230

MATCH TO SHEET X-127

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

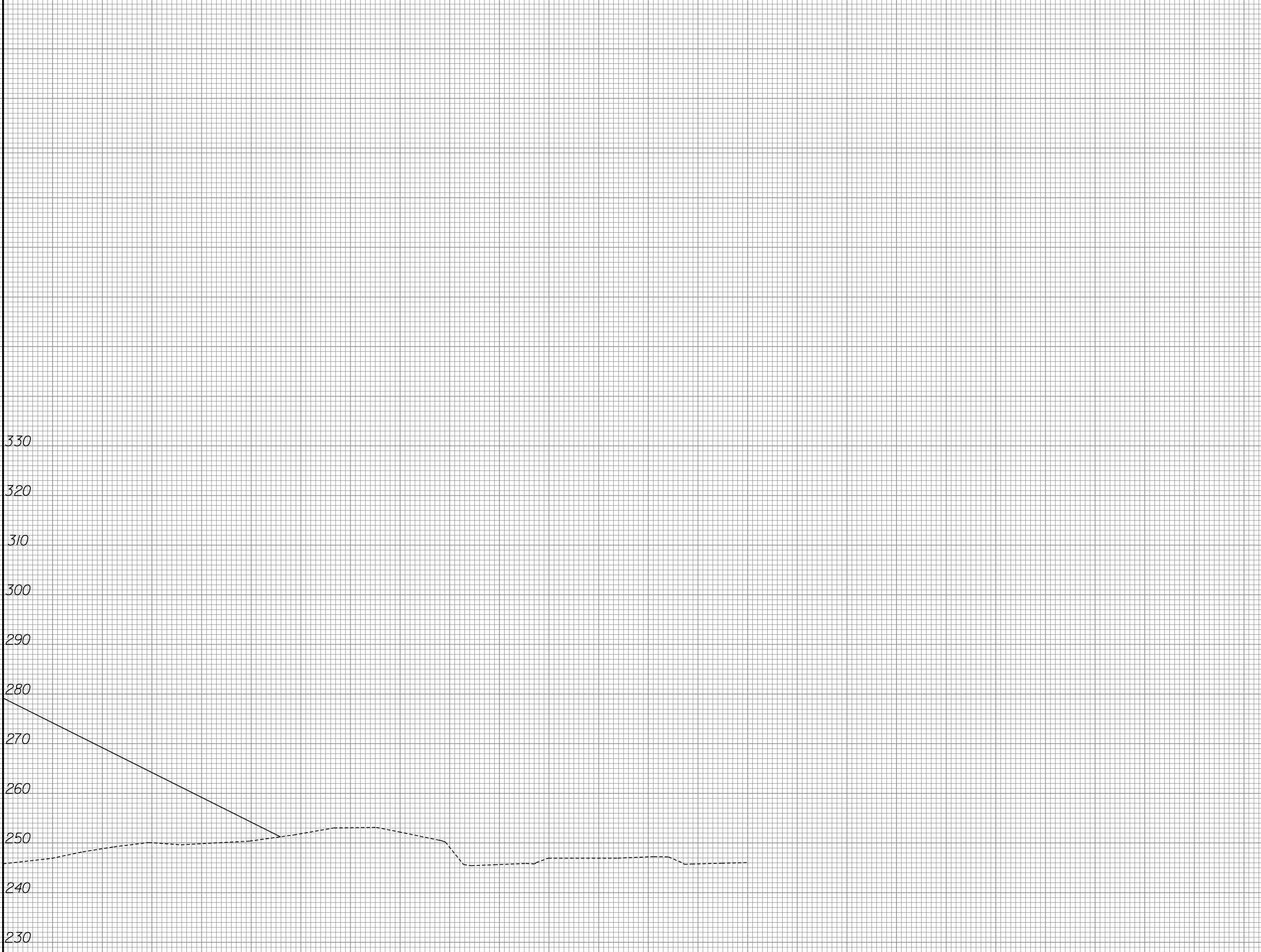
-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-127

330
320
310
300
290
280
270
260
250
240
230



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-

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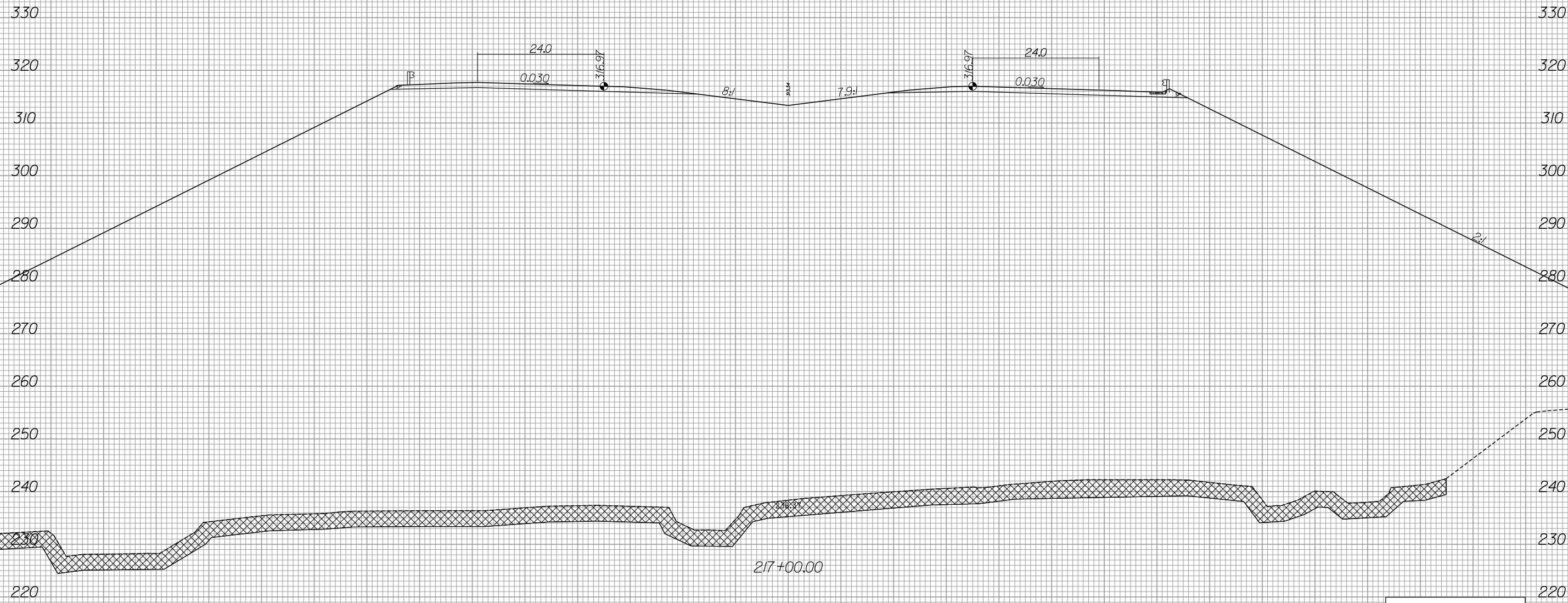


PROJ. REFERENCE NO. R-3421B SHEET NO. X-130

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-131

MATCH TO SHEET X-132



UNDERCUT EXCAVATION

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440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

330
320
310
300
290
280
270
260
250
240
230
220

MATCH TO SHEET X-130

 UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

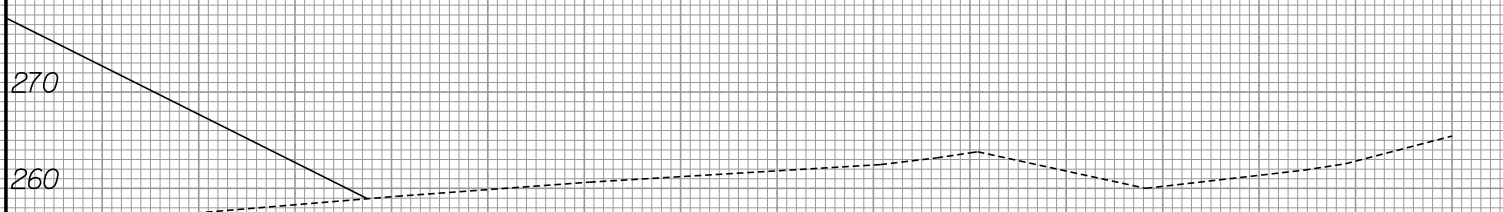
-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-130

330
320
310
300
290
280
270
260
250
240
230
220



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

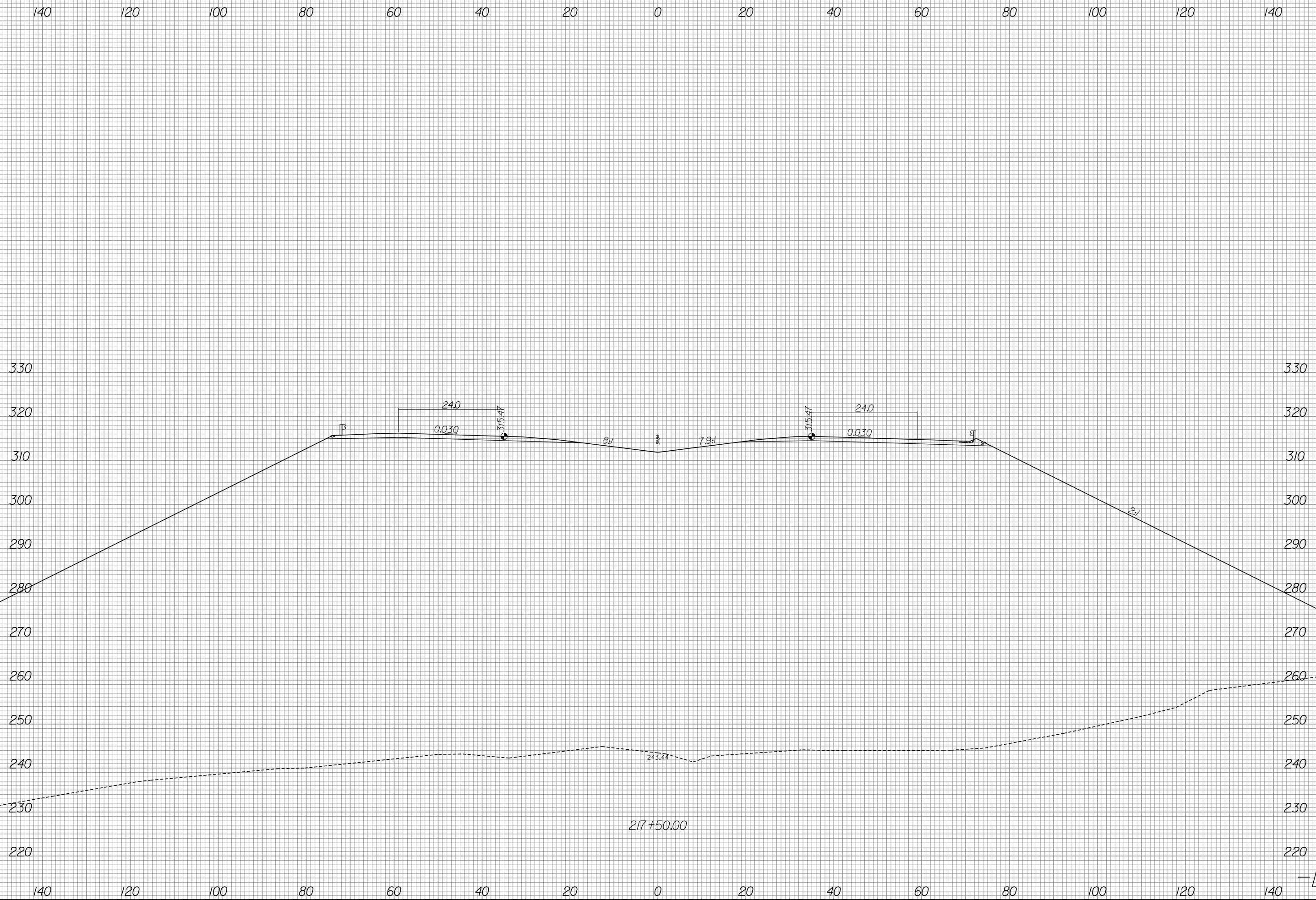
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PROJ. REFERENCE NO. R-3421B	SHEET NO. X-133
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MATCH TO SHEET X-134

MATCH TO SHEET X-135



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440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

330
320
310
300
290
280
270
260
250
240
230
220

MATCH TO SHEET X-133

 UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

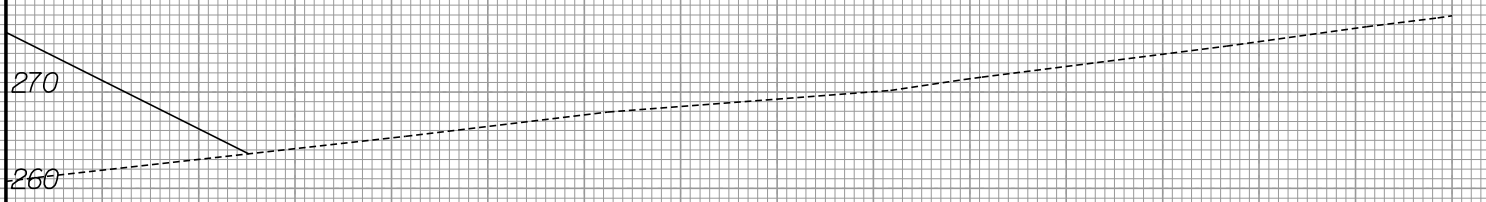
-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-133

330
320
310
300
290
280
270
260
250
240
230
220



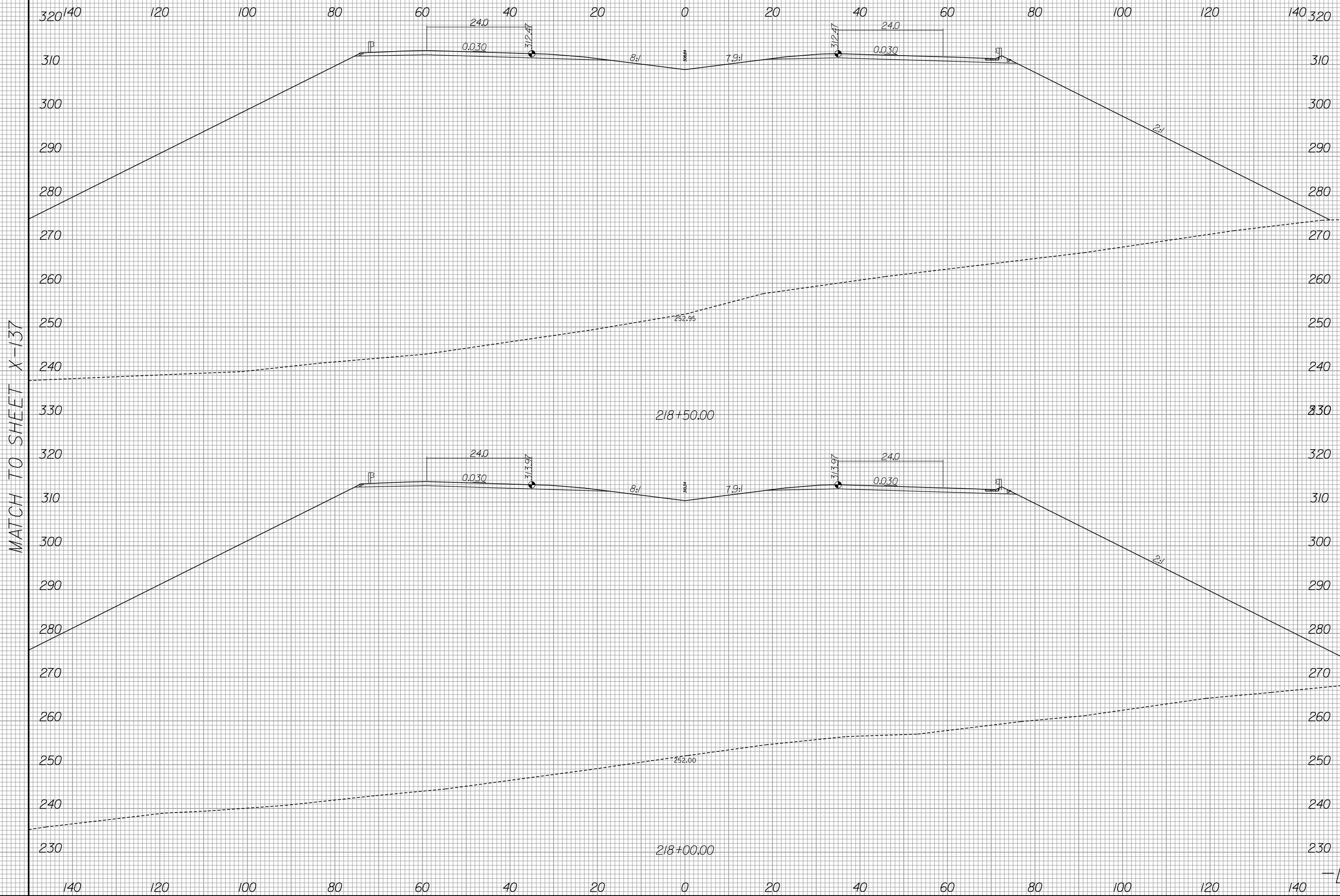
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

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PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-136



MATCH TO SHEET X-137

MATCH TO SHEET X-138

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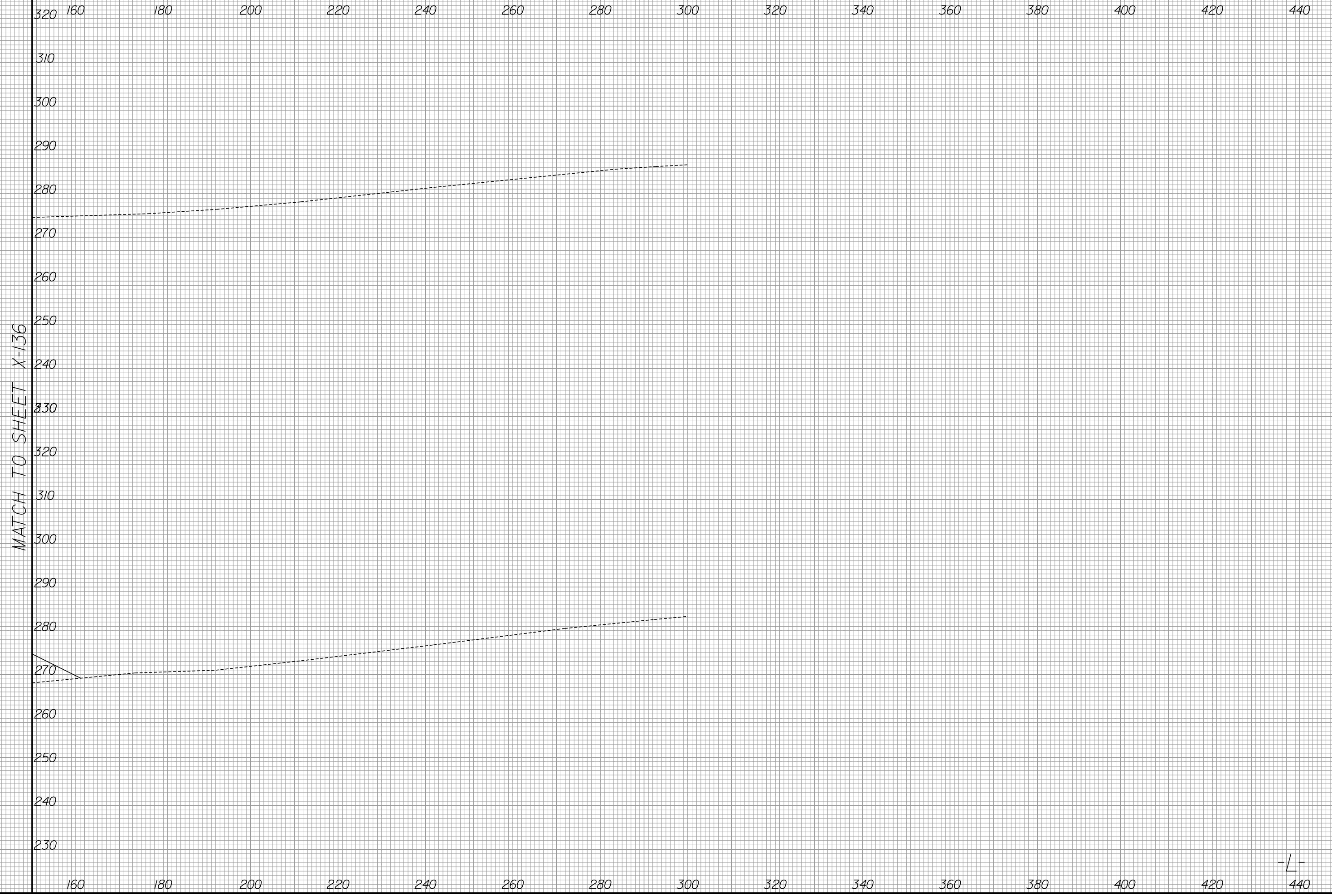
440 420 400 380 360 340 320 300 280 260 240 220 200 180 160 320

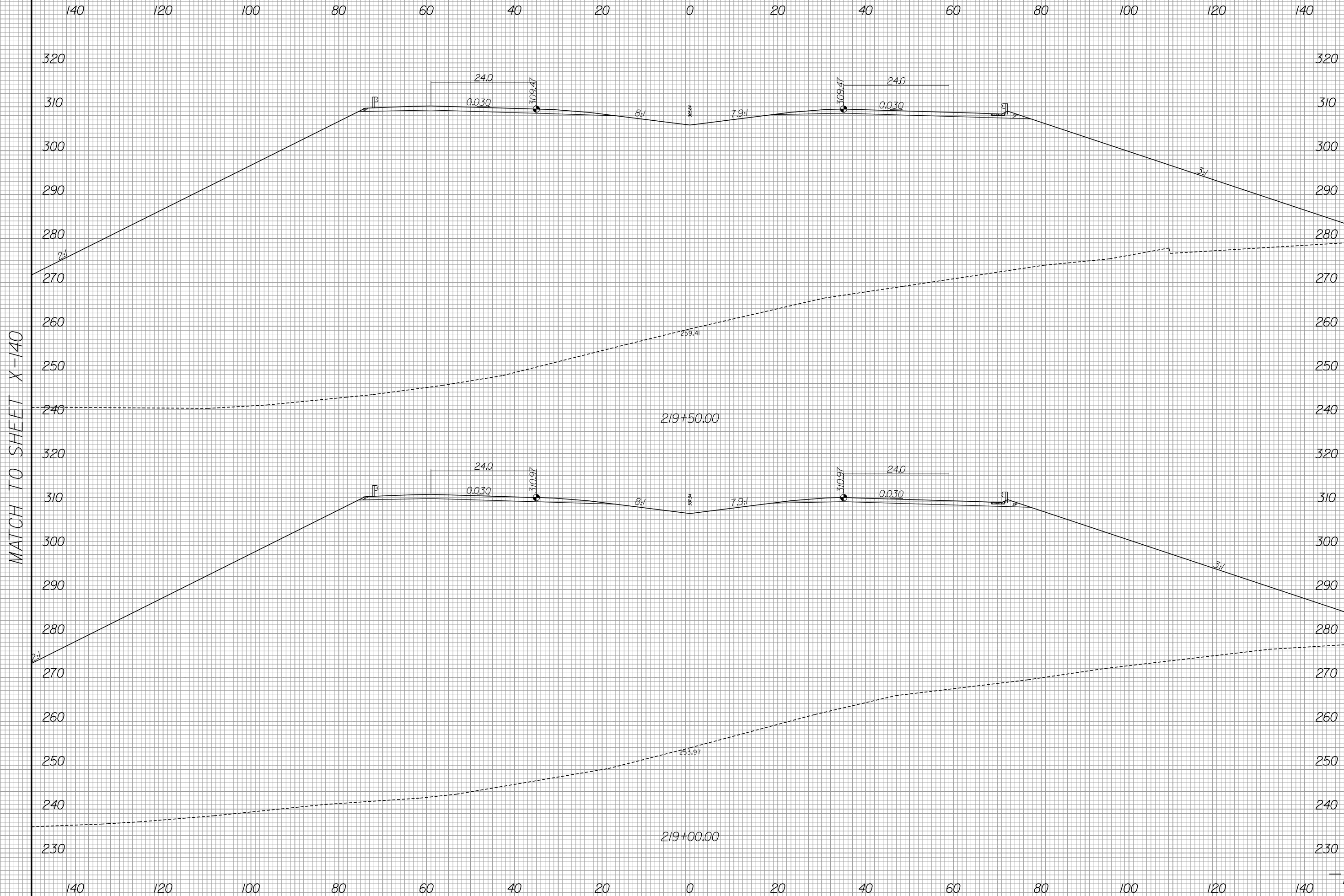
310
300
290
280
270
260
250
240
330
320
310
300
290
280
270
260
250
240
230

MATCH TO SHEET X-136

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-





MATCH TO SHEET X-140

MATCH TO SHEET X-141



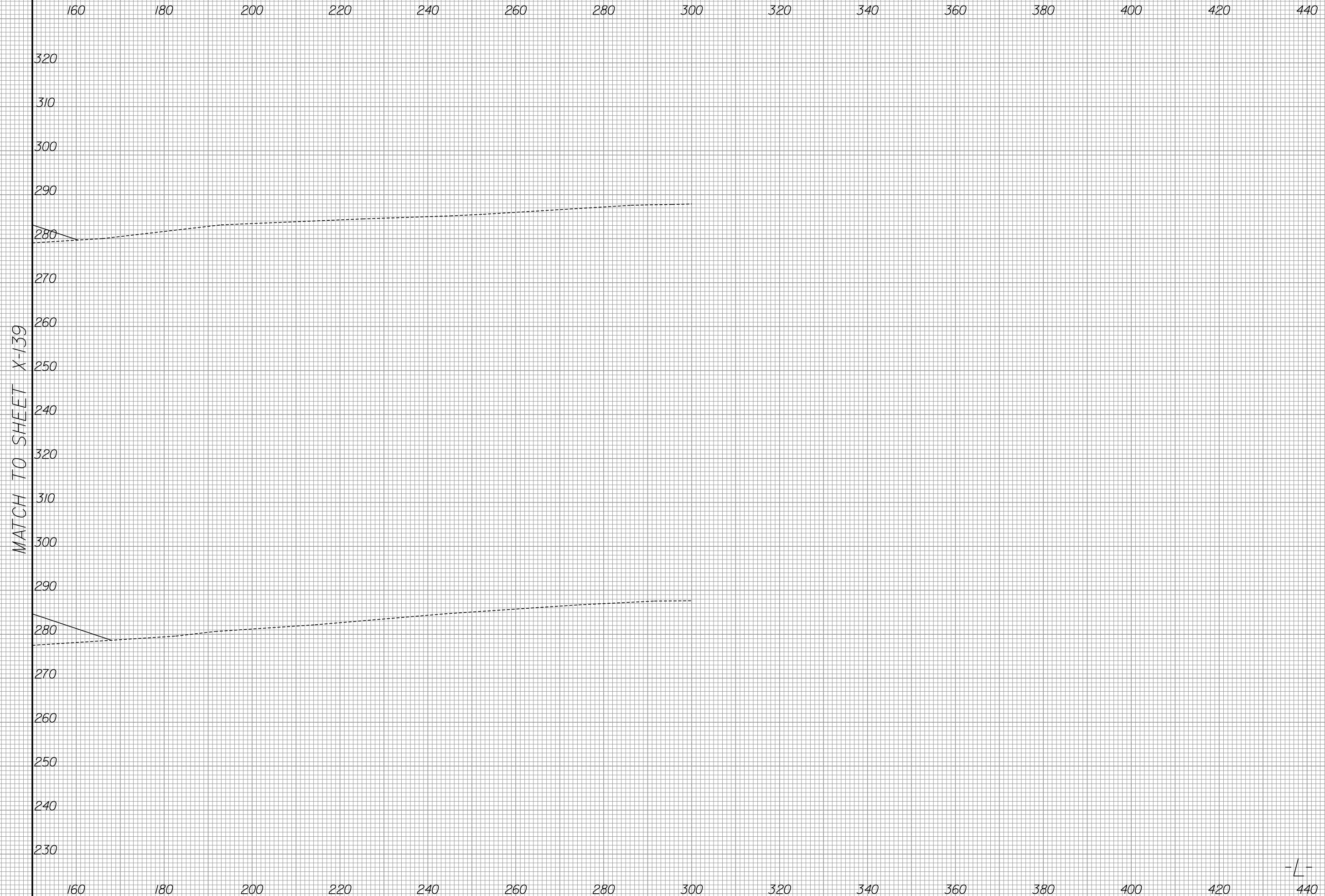
440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

320
310
300
290
280
270
260
250
240
320
310
300
290
280
270
260
250
240
230

MATCH TO SHEET X-139

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

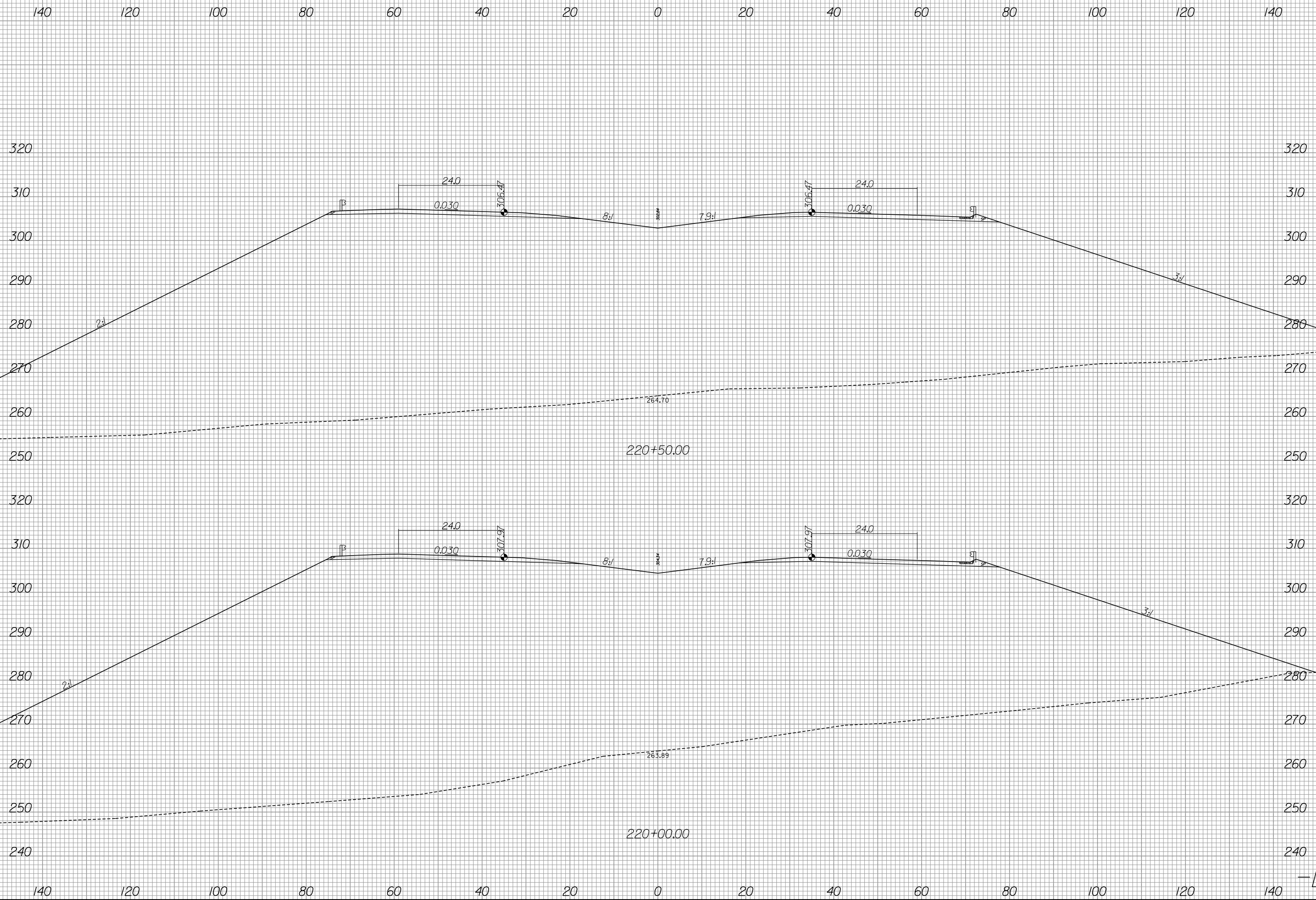
-L-





MATCH TO SHEET X-143

MATCH TO SHEET X-144





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

320
310
300
290
280
270
260
250
320
310
300
290
280
270
260
250
240

MATCH TO SHEET X-142

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-144

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-142

320
310
300
290
280
270
260
320
310
300
290
280
270
260
250
240

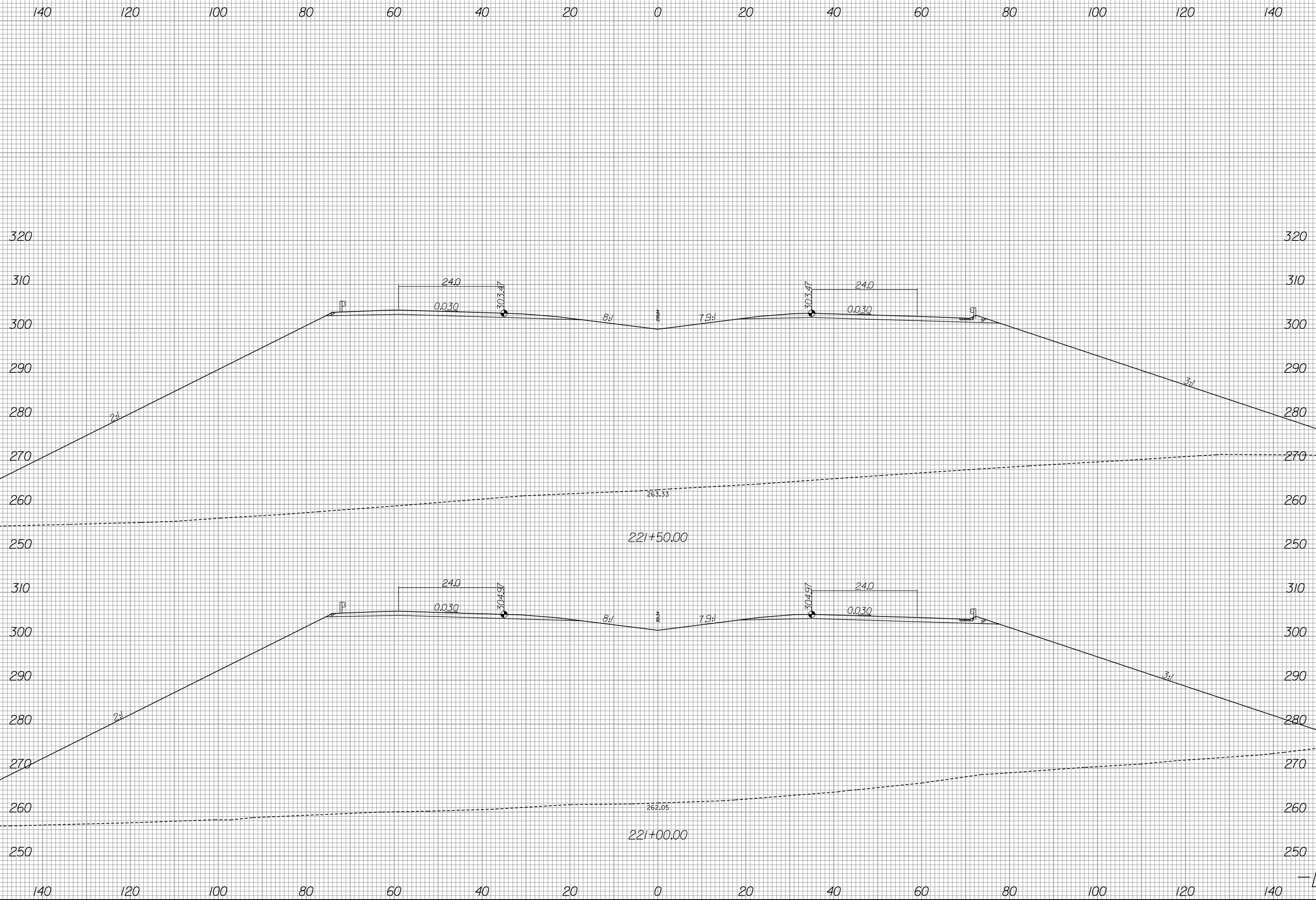
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-



MATCH TO SHEET X-146

MATCH TO SHEET X-147





440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

320
310
300
290
280
270
260
250
310
300
290
280
270
260
250

MATCH TO SHEET X-145

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-145

320
310
300
290
280
270
260
250
310
300
290
280
270
260
250

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

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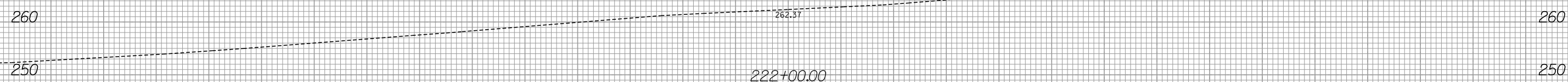
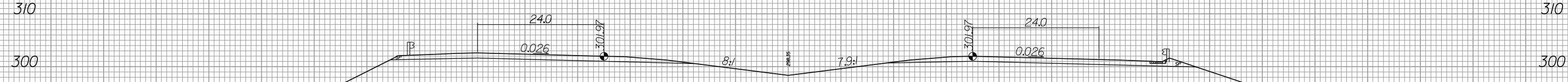
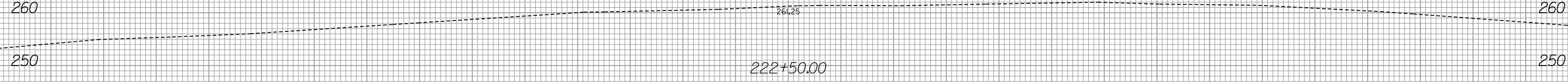
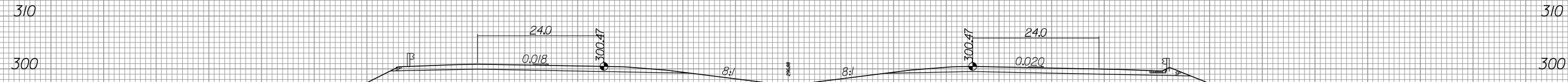
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-148

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-149

MATCH TO SHEET X-150



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

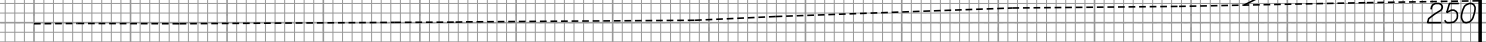
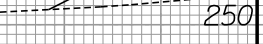
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gaugsborg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

310
300
290
280
270
260
250
310
300
290
280
270
260
250

MATCH TO SHEET X-148



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



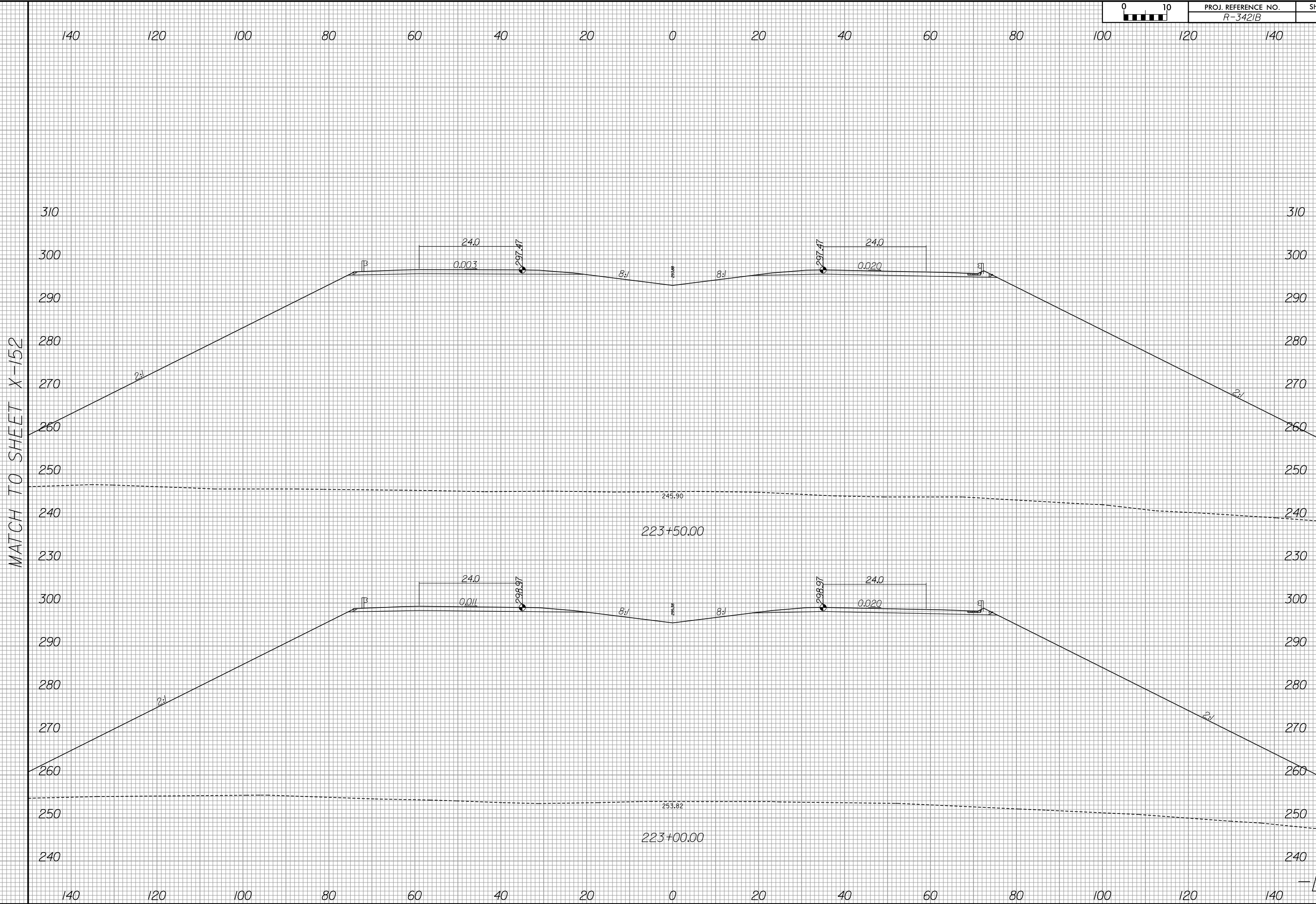
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-148

310
300
290
280
270
260
250
310
300
290
280
270
260
250

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

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MATCH TO SHEET X-152

MATCH TO SHEET X-153

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440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

310
300
290
280
270
260
250
240
230
300
290
280
270
260
250
240

MATCH TO SHEET X-151

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-153

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-151

310
300
290
280
270
260
250
240
300
290
280
270
260
250
240

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

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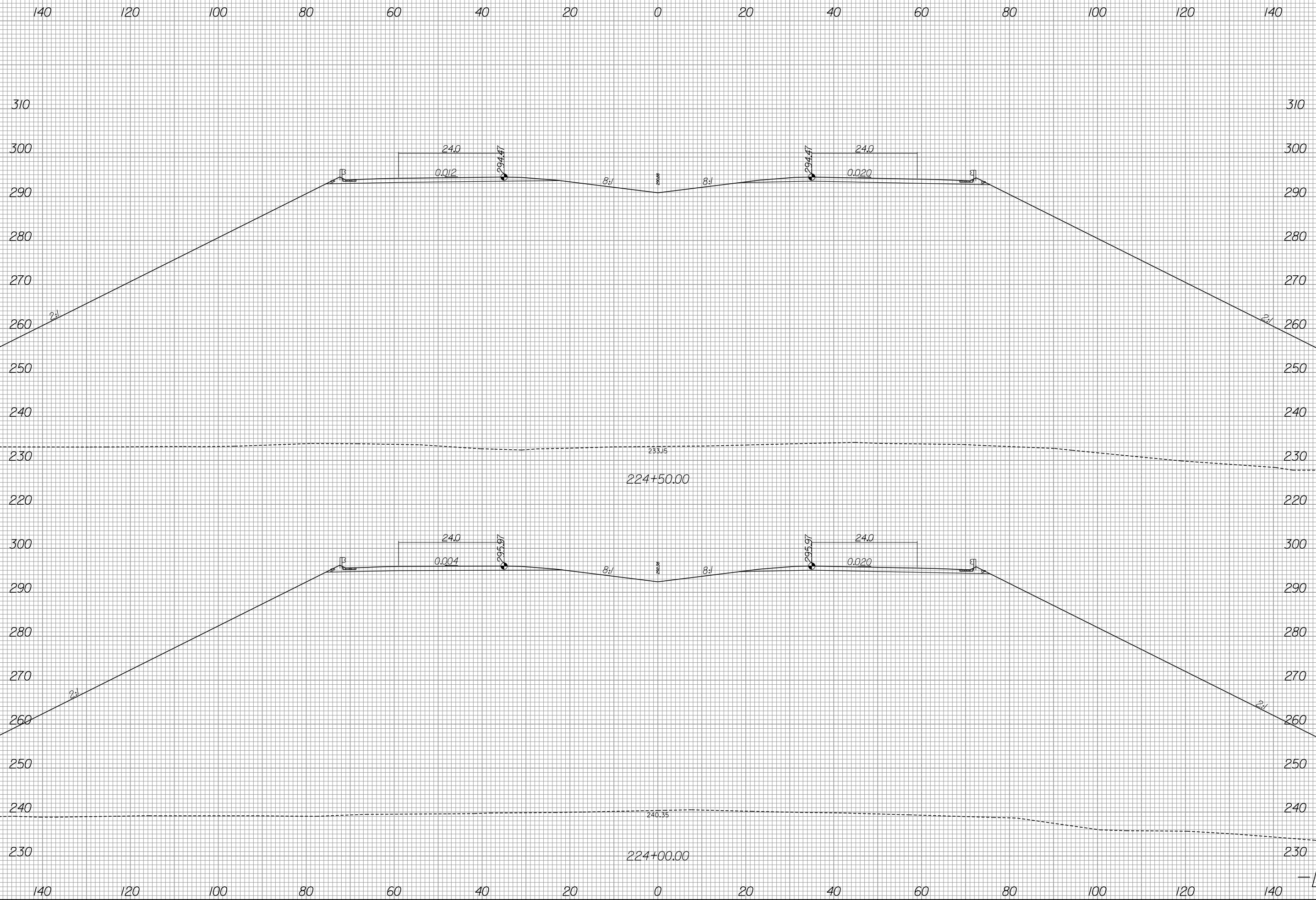


PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-154

MATCH TO SHEET X-155

MATCH TO SHEET X-156



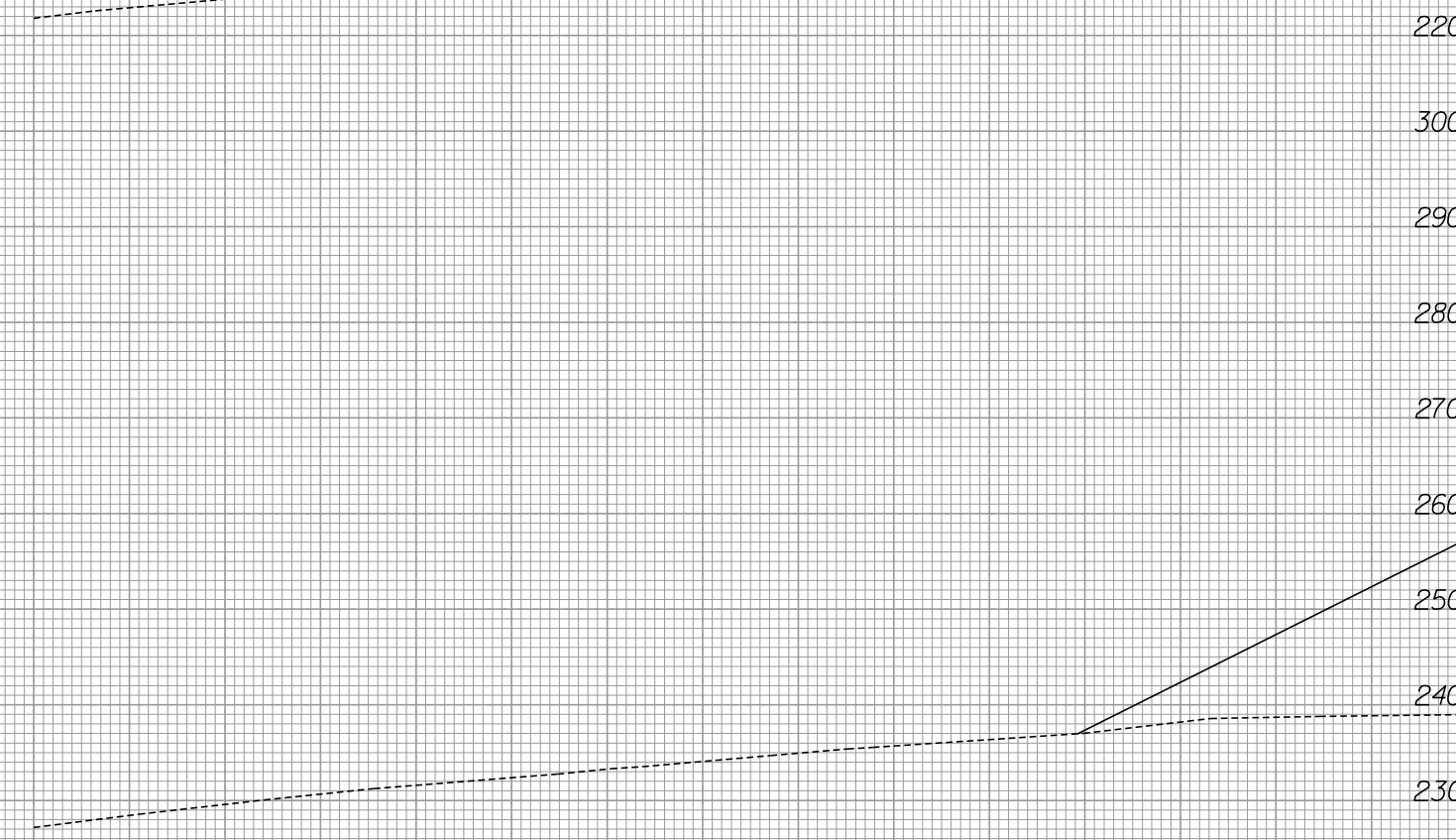
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gaugsburg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

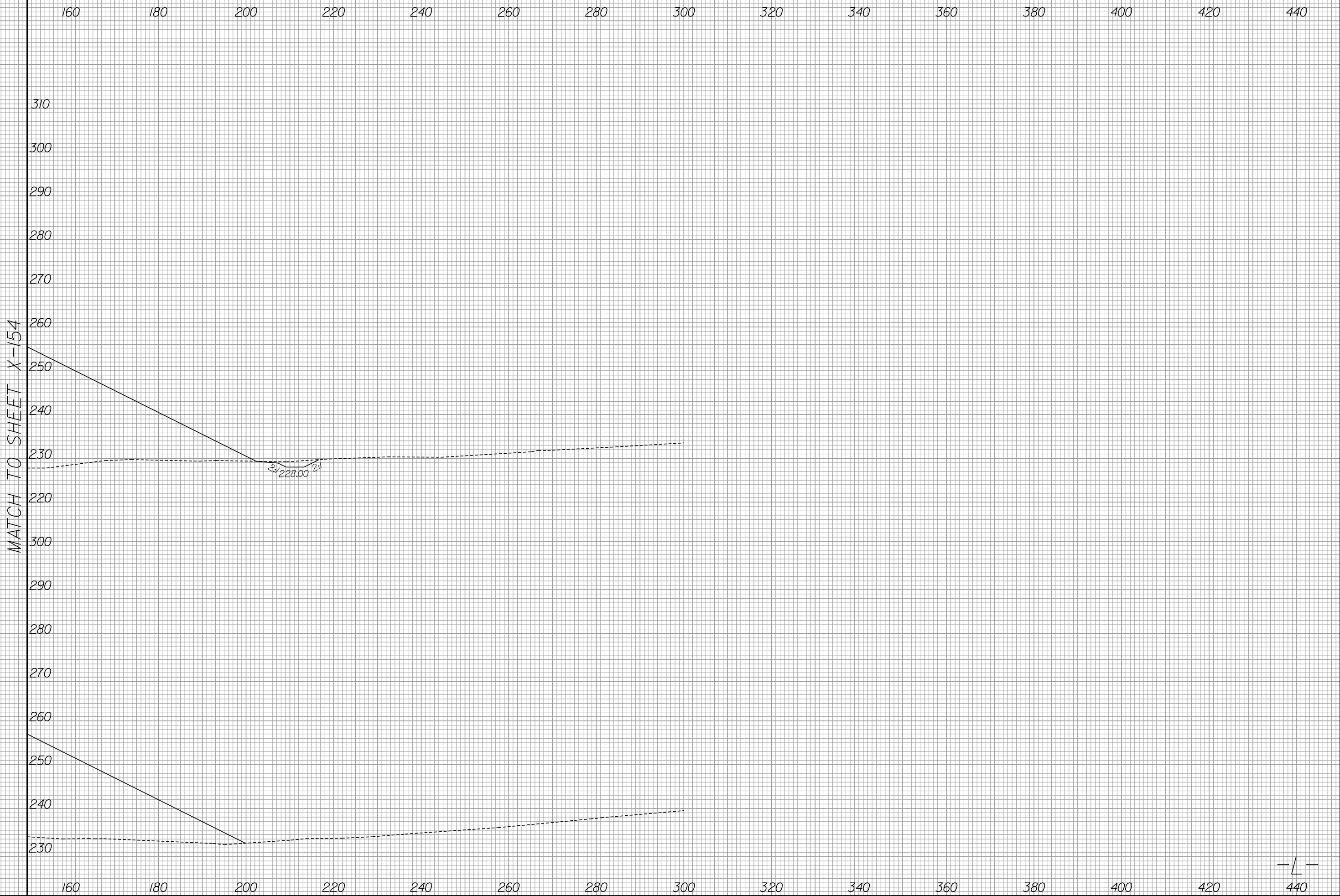
310
300
290
280
270
260
250
240
230
220
300
290
280
270
260
250
240
230

MATCH TO SHEET X-154



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



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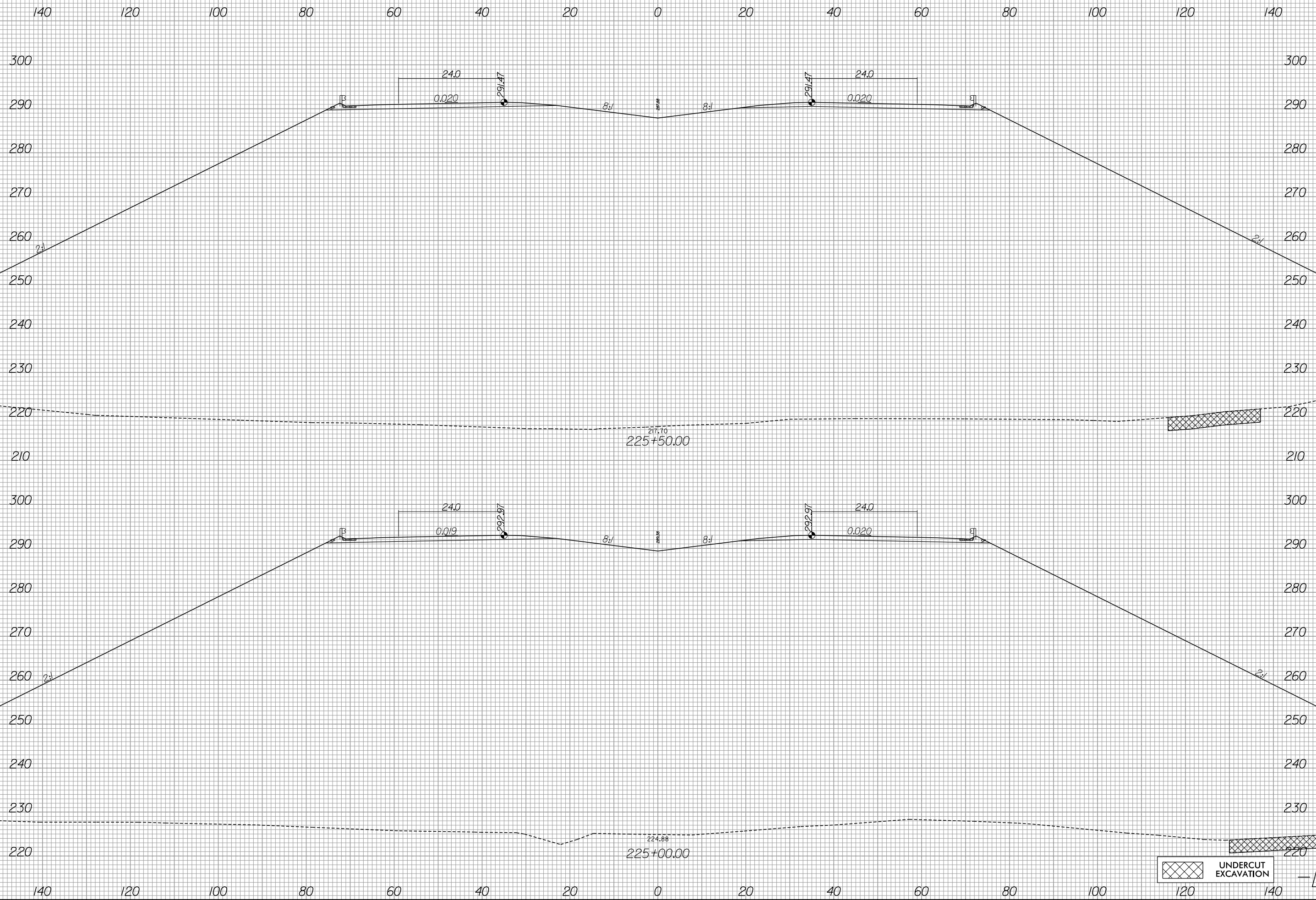


PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-157

MATCH TO SHEET X-158

MATCH TO SHEET X-159

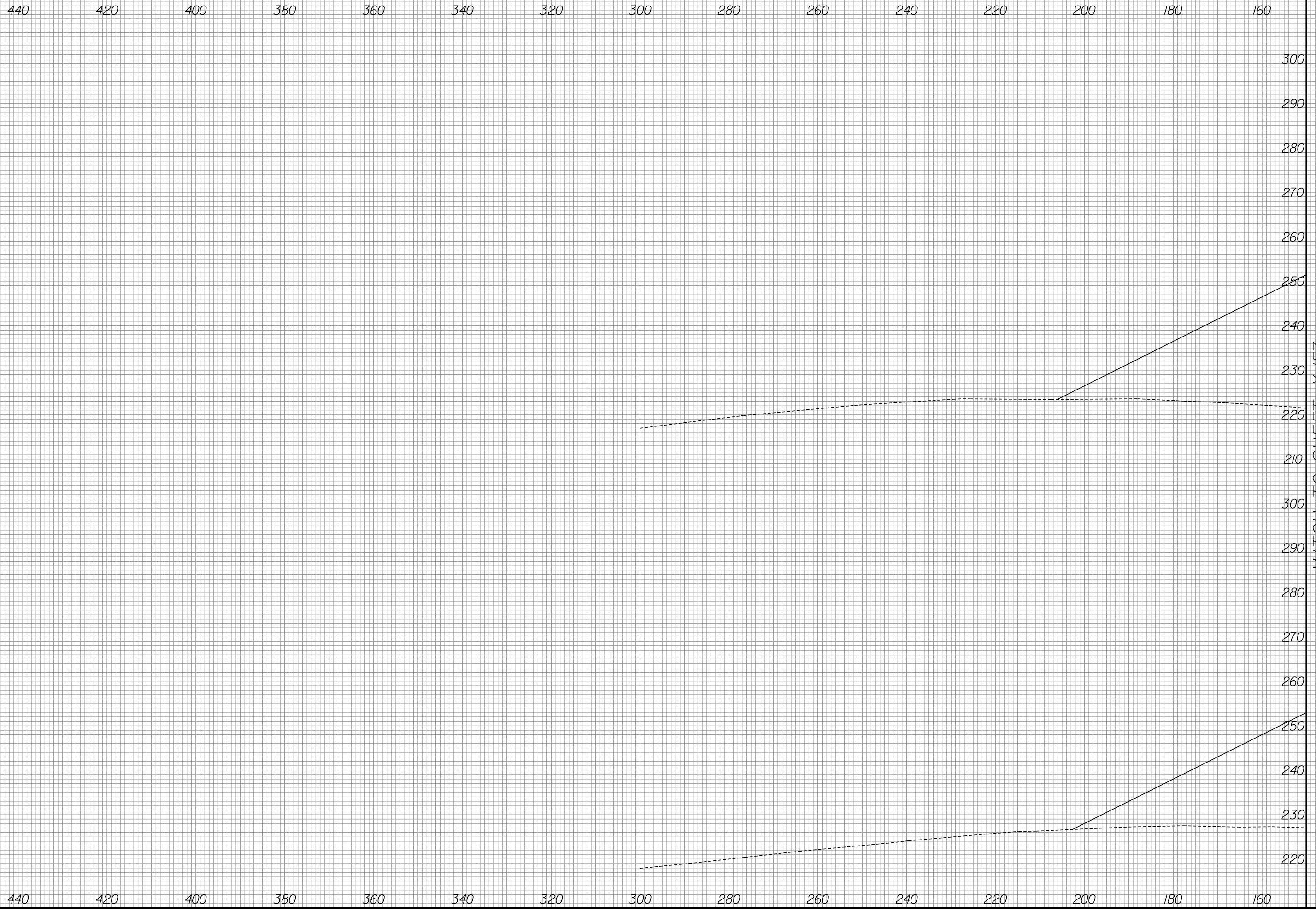


UNDERCUT EXCAVATION

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gaugsburg

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0 10	PROJ. REFERENCE NO. R-3421B	SHEET NO. X-158
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MATCH TO SHEET X-157

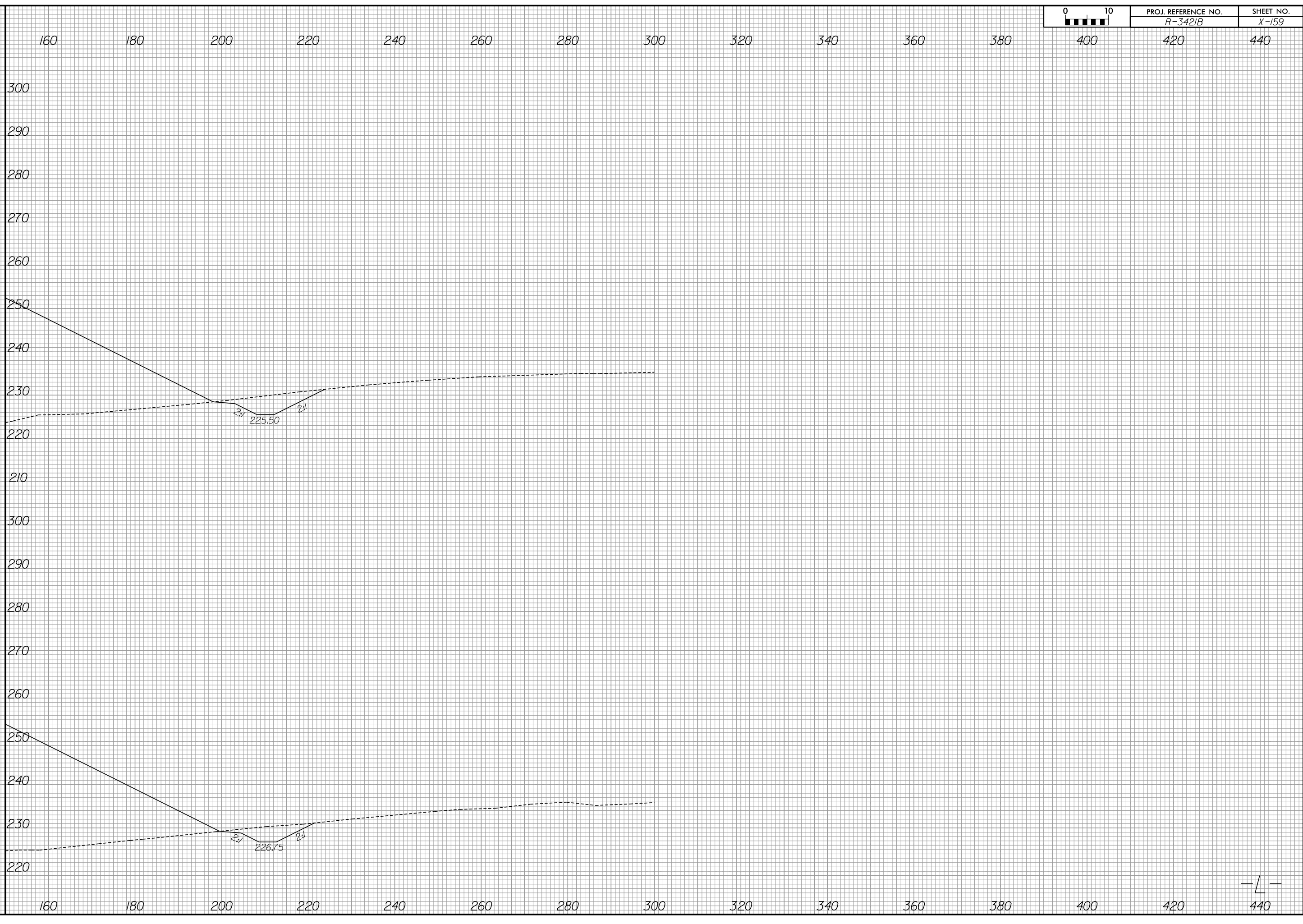
-L-

6/12/2016
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mahousser



PROJ. REFERENCE NO. R-3421B	SHEET NO. X-159
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MATCH TO SHEET X-157

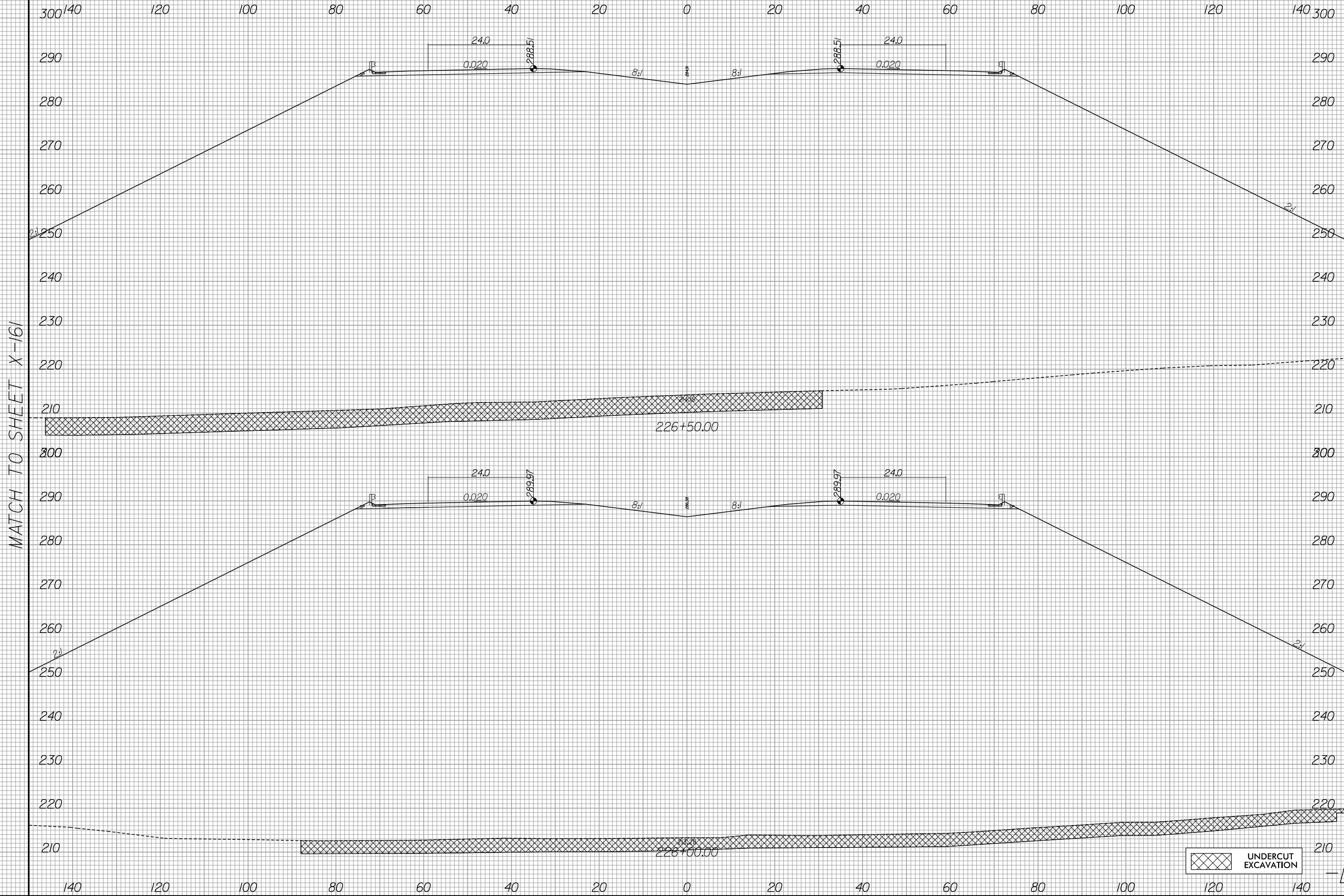


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PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-160



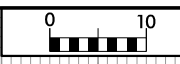
MATCH TO SHEET X-161

MATCH TO SHEET X-162

UNDERCUT EXCAVATION

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PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-161



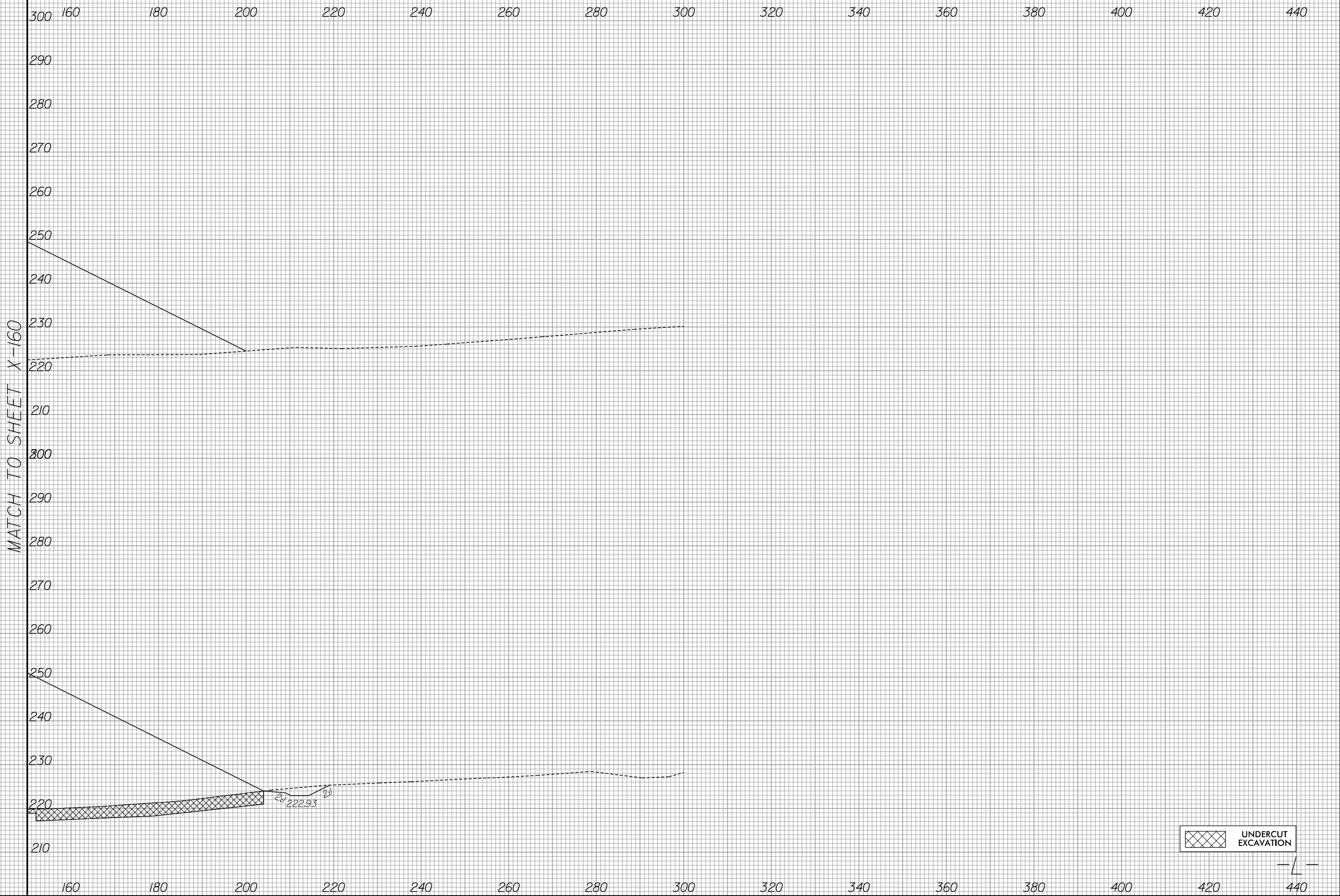
MATCH TO SHEET X-160

-L-

6/12/2016
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mahouser



PROJ. REFERENCE NO. R-3421B	SHEET NO. X-162
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UNDERCUT EXCAVATION

8/23/99

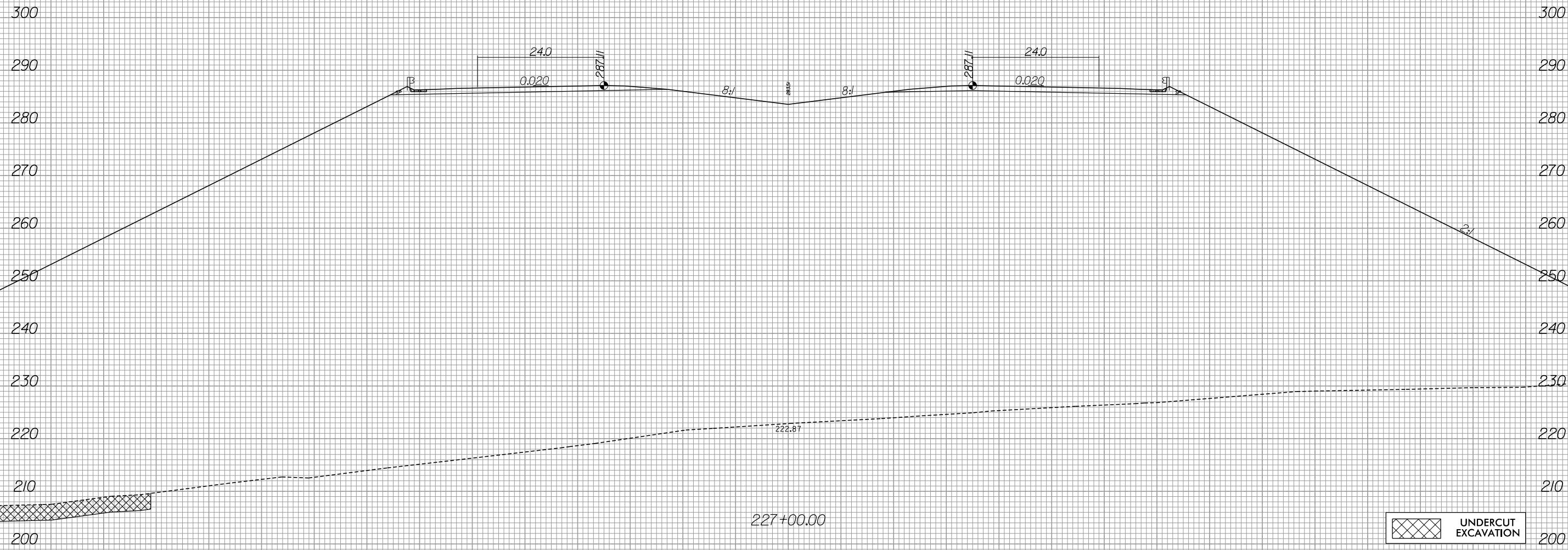


PROJ. REFERENCE NO. R-3421B SHEET NO. X-163

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-164

MATCH TO SHEET X-165



UNDERCUT EXCAVATION

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440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

300
290
280
270
260
250
240
230
220
210
200

MATCH TO SHEET X-163

 UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

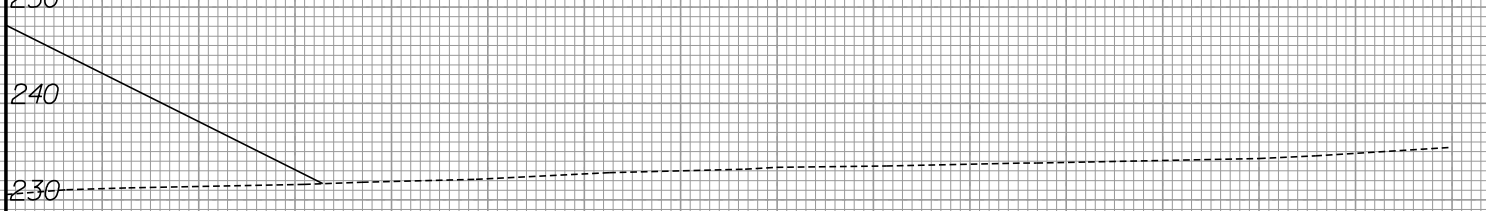
-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-163

300
290
280
270
260
250
240
230
220
210
200



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

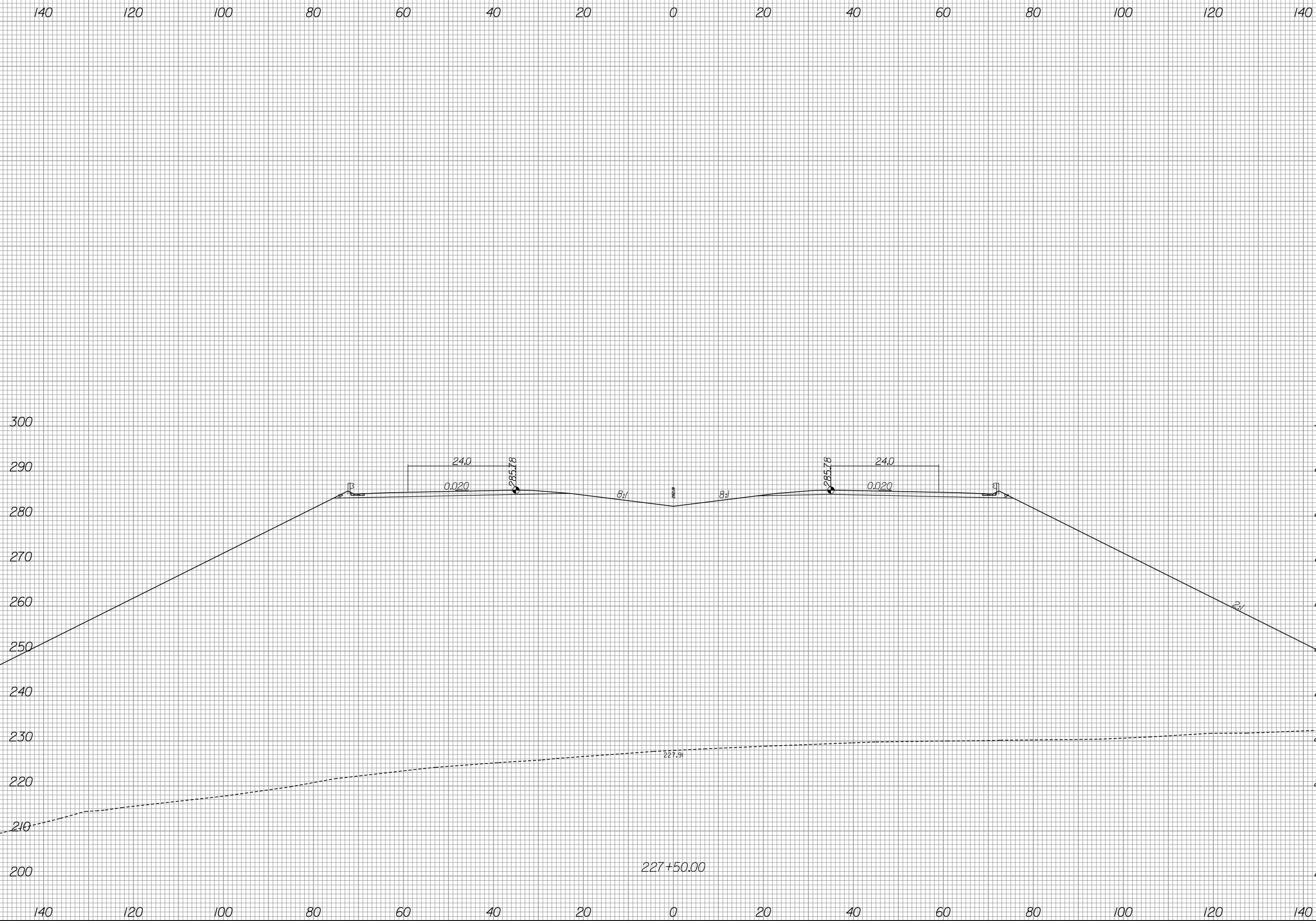
8/23/99



PROJ. REFERENCE NO.
R-3421B
SHEET NO.
X-166

MATCH TO SHEET X-167

MATCH TO SHEET X-168



6/13/2019
R:\Roadway\Xsc\X-3421b_rdy_xpl.L1.dgn
gaugsborg

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

300
290
280
270
260
250
240
230
220
210
200

MATCH TO SHEET X-166

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

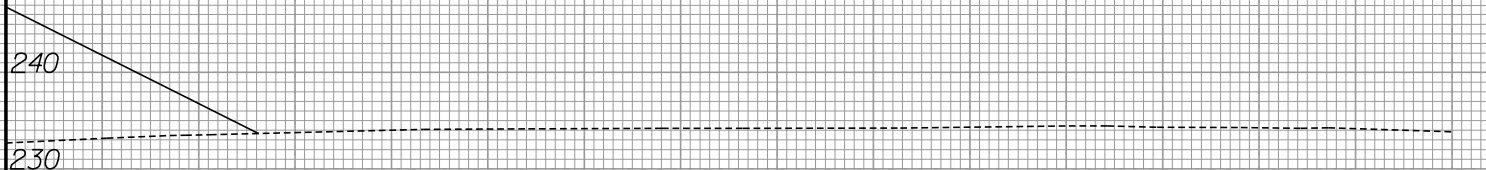
-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-166

300
290
280
270
260
250
240
230
220
210
200

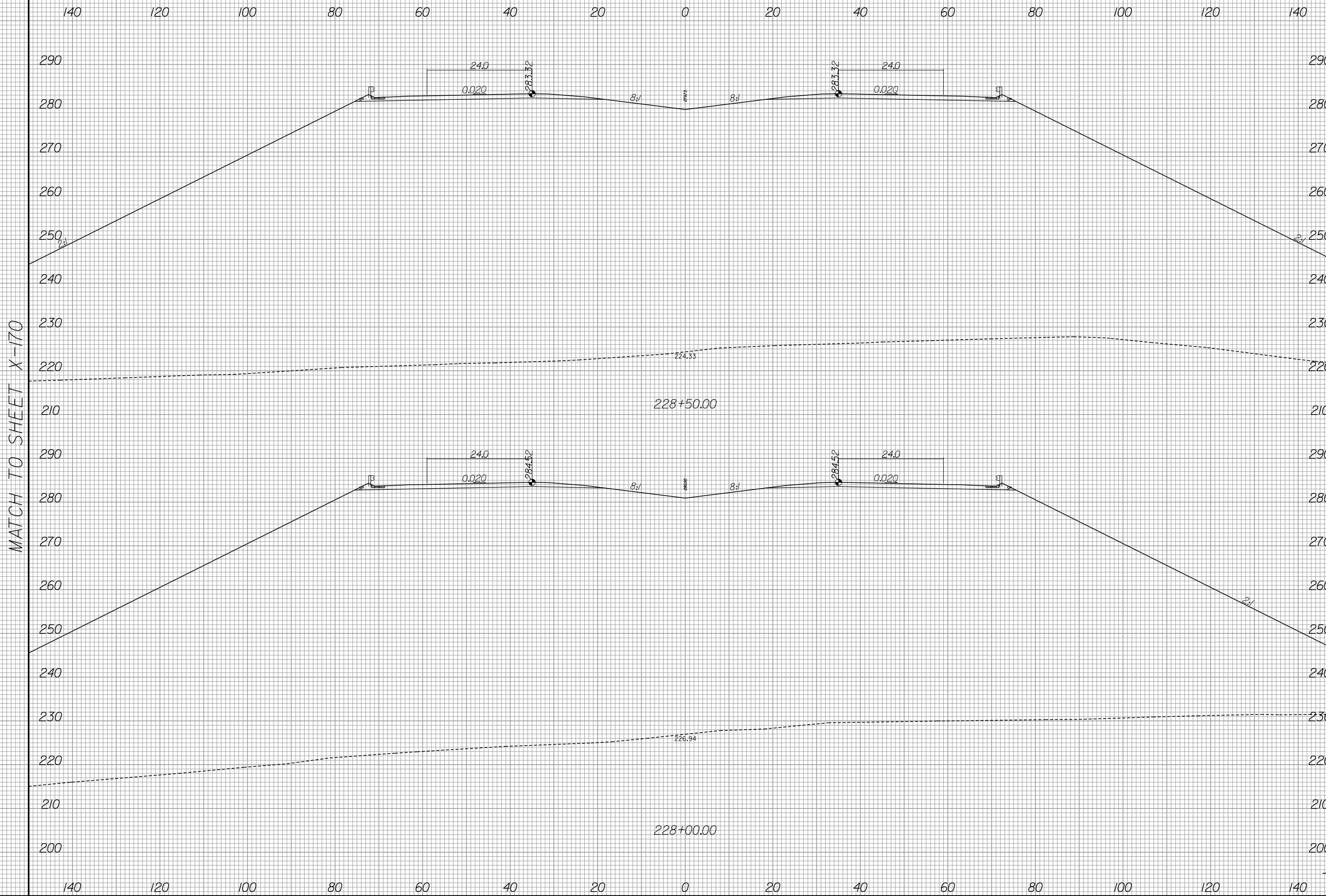


160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

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PROJ. REFERENCE NO. R-3421B SHEET NO. X-169



MATCH TO SHEET X-170

MATCH TO SHEET X-171

6/13/2019 R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn Gausburg

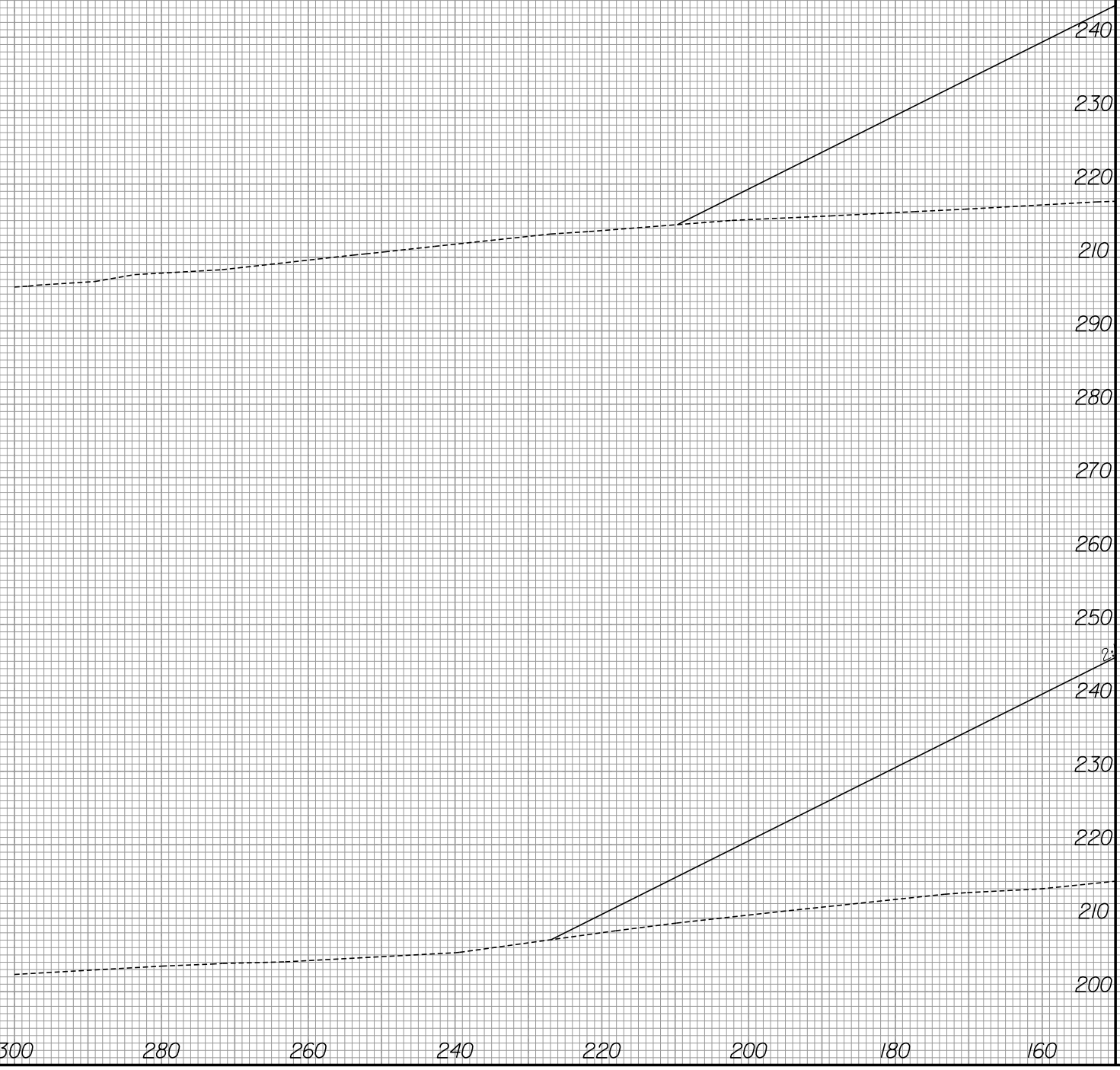
-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

290
280
270
260
250
240
230
220
210
200

MATCH TO SHEET X-169



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-171

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-169

290
280
270
260
250
240
230
220
210
290
280
270
260
250
240
230
220
210
200

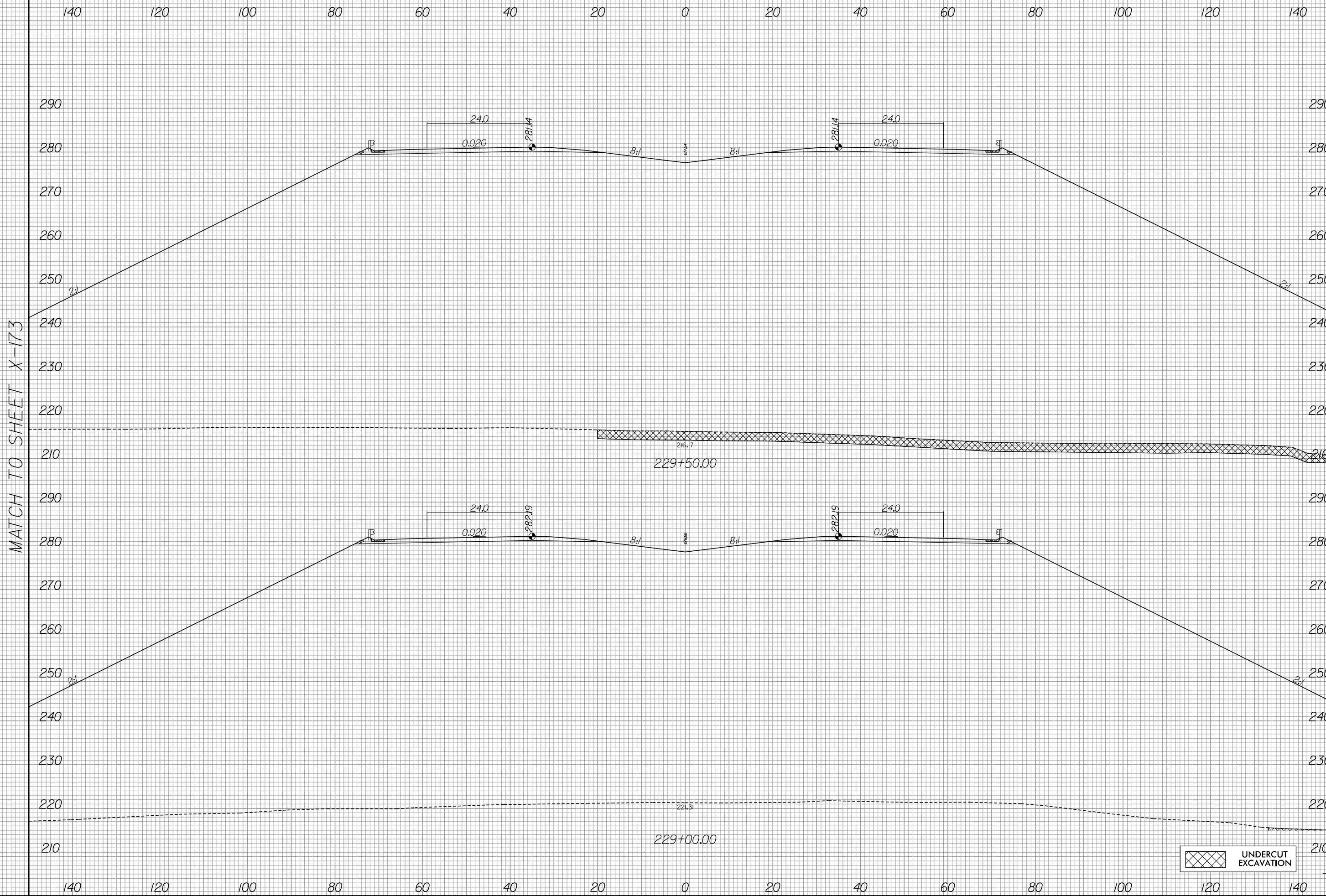
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-172



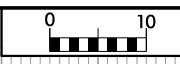
MATCH TO SHEET X-173

MATCH TO SHEET X-174

UNDERCUT EXCAVATION

6/13/2019
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
gaugsborg

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-173

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

290
280
270
260
250
240
230
220
210
290
280
270
260
250
240
230
220
210

MATCH TO SHEET X-172

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

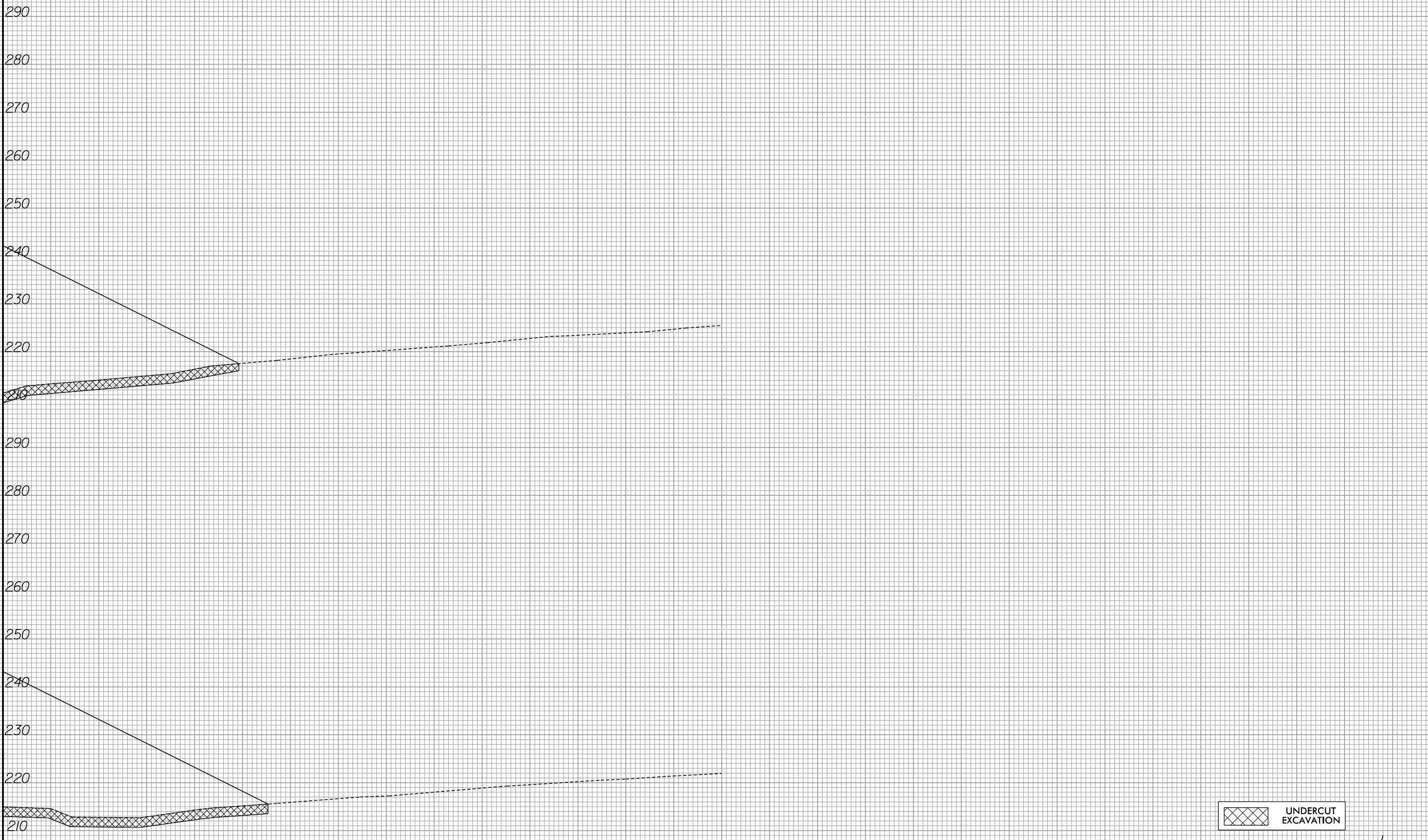
6/12/2016
R:\Roads\Xsc\3421b.rdy.xpl.L1.dgn
mahouser



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-172

290
280
270
260
250
240
230
220
210
290
280
270
260
250
240
230
220
210



 UNDERCUT EXCAVATION

-L-

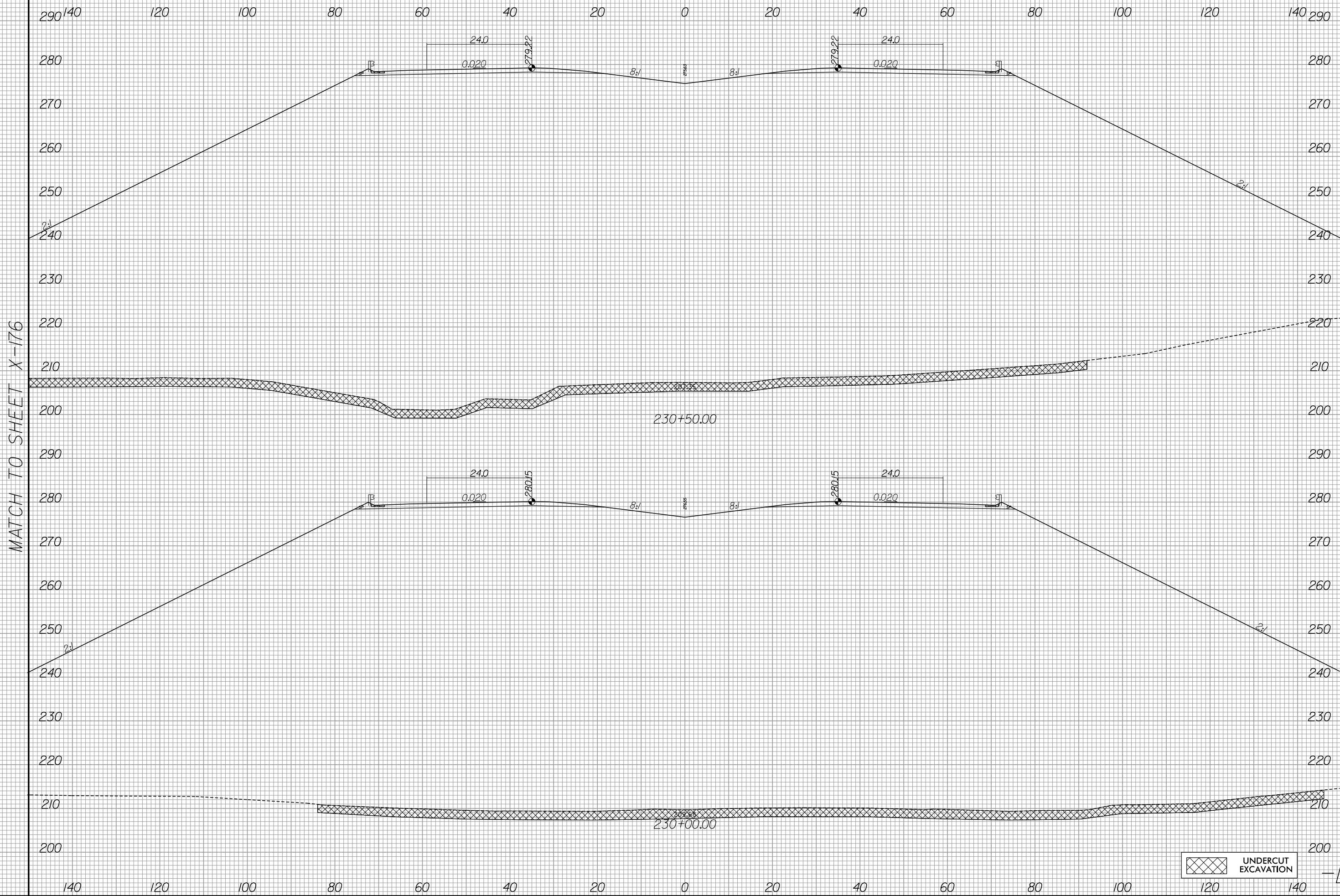
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-175



UNDERCUT EXCAVATION

6/13/2019
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
gaugsburg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160 290

280
270
260
250
240
230
220
210
200
290
280
270
260
250
240
230
220
210
200

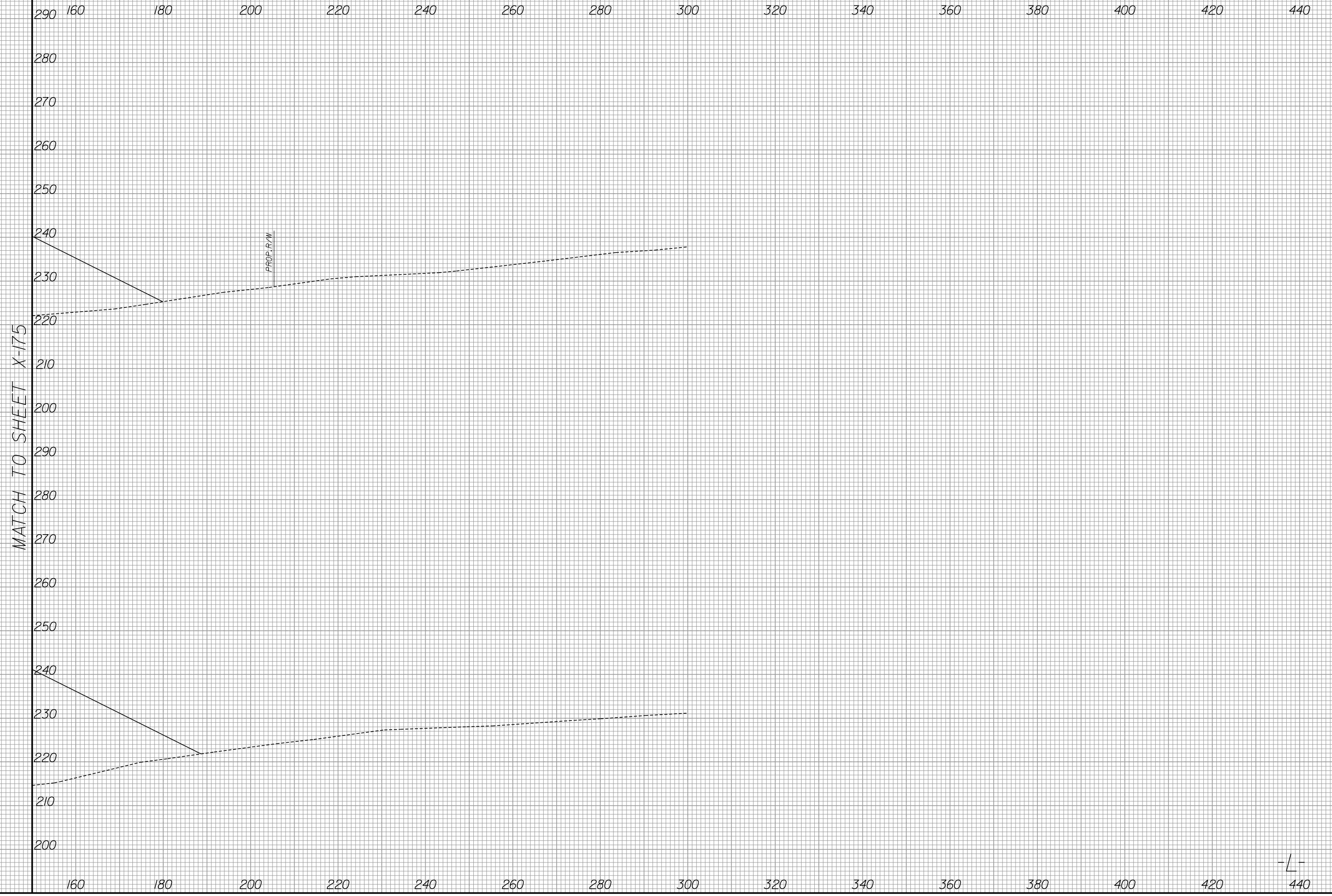
PROP. P.W

MATCH TO SHEET X-175

 UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



8/23/99

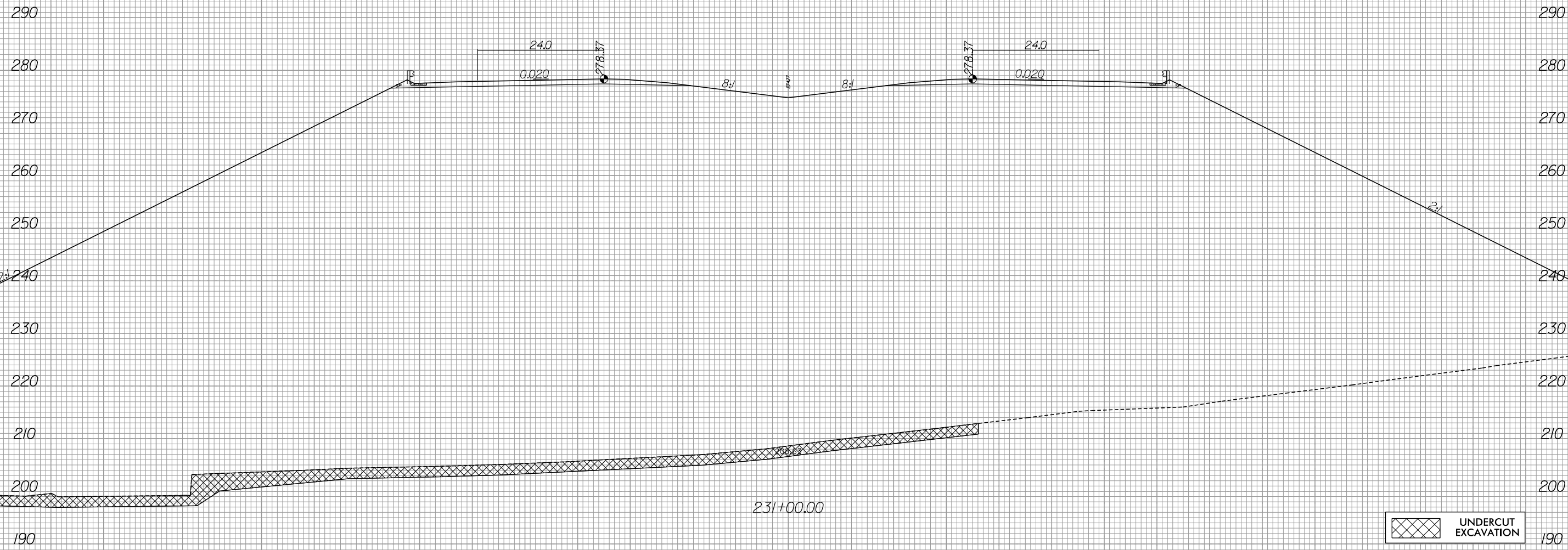


PROJ. REFERENCE NO. R-3421B	SHEET NO. X-178
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140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-179

MATCH TO SHEET X-180



UNDERCUT EXCAVATION

6/13/2019
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gaugsborg

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

290
280
270
260
250
240
230
220
210
200
190

MATCH TO SHEET X-178

PROP. P/W

 UNDERCUT EXCAVATION

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

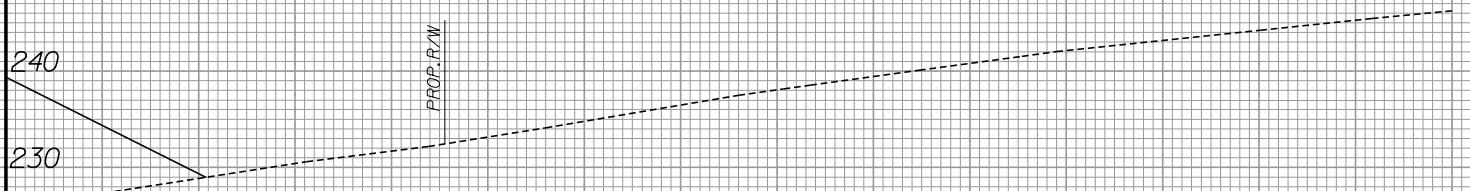


160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-178

290
280
270
260
250
240
230
220
210
200
190

PROP. R/W



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-

8/23/99



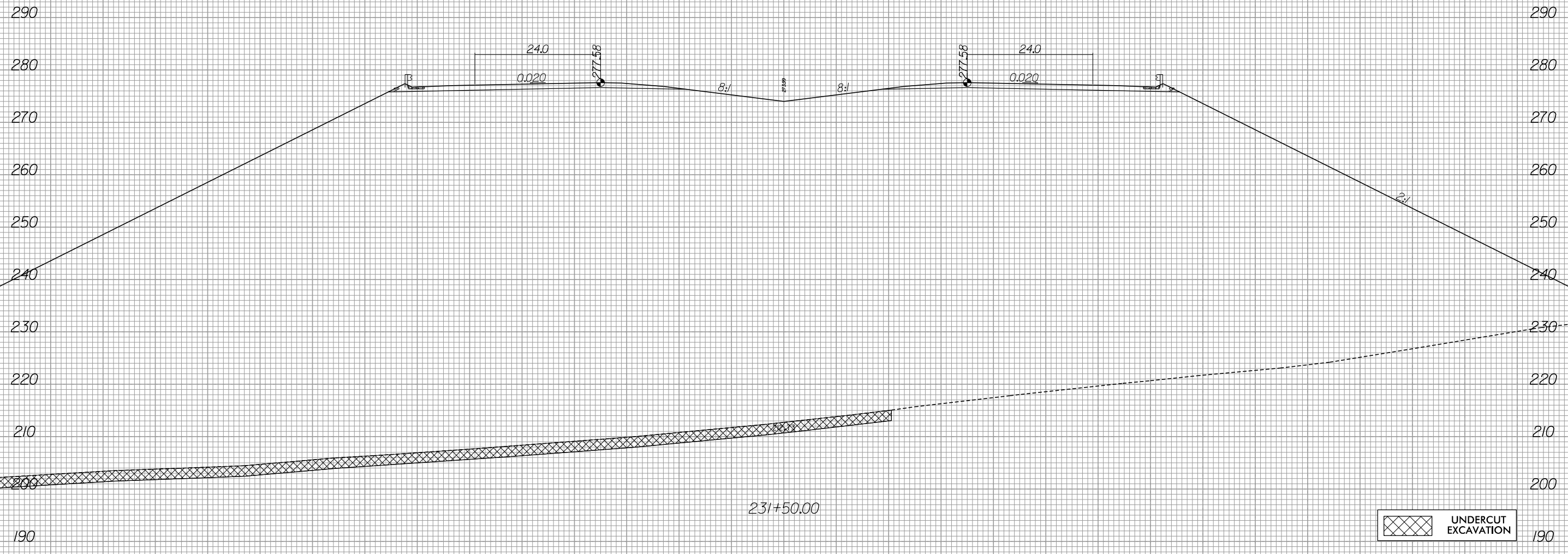
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-181

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-182

MATCH TO SHEET X-183



UNDERCUT EXCAVATION

6/13/2019
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
gaugsborg

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

290
280
270
260
250
240
230
220
210
200
190

MATCH TO SHEET X-181

 UNDERCUT EXCAVATION

PROP. R/W

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-181

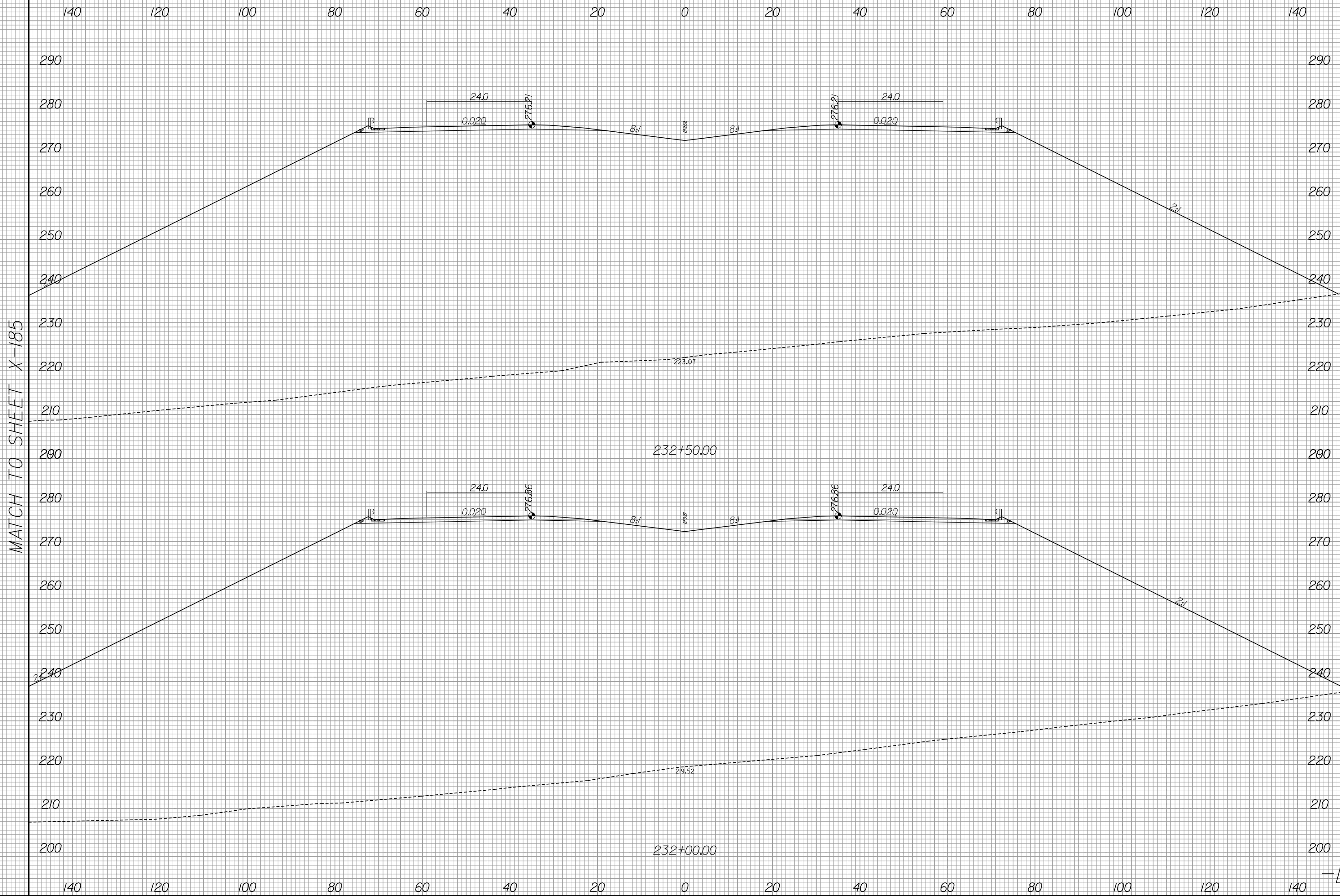
290
280
270
260
250
240
230
220
210
200
190

PROP. R/W

-L-

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



MATCH TO SHEET X-185

MATCH TO SHEET X-186

6/13/2019
R:\Roadway\Xsc\3421b_rdy_xpl.L1.dgn
gaugsborg

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

290
280
270
260
250
240
230
220
210
200

MATCH TO SHEET X-184

PROP. R/W

PROP. R/W

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-184

290
280
270
260
250
240
230
220
210
200

PROP. R/W

PROP. R/W

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-

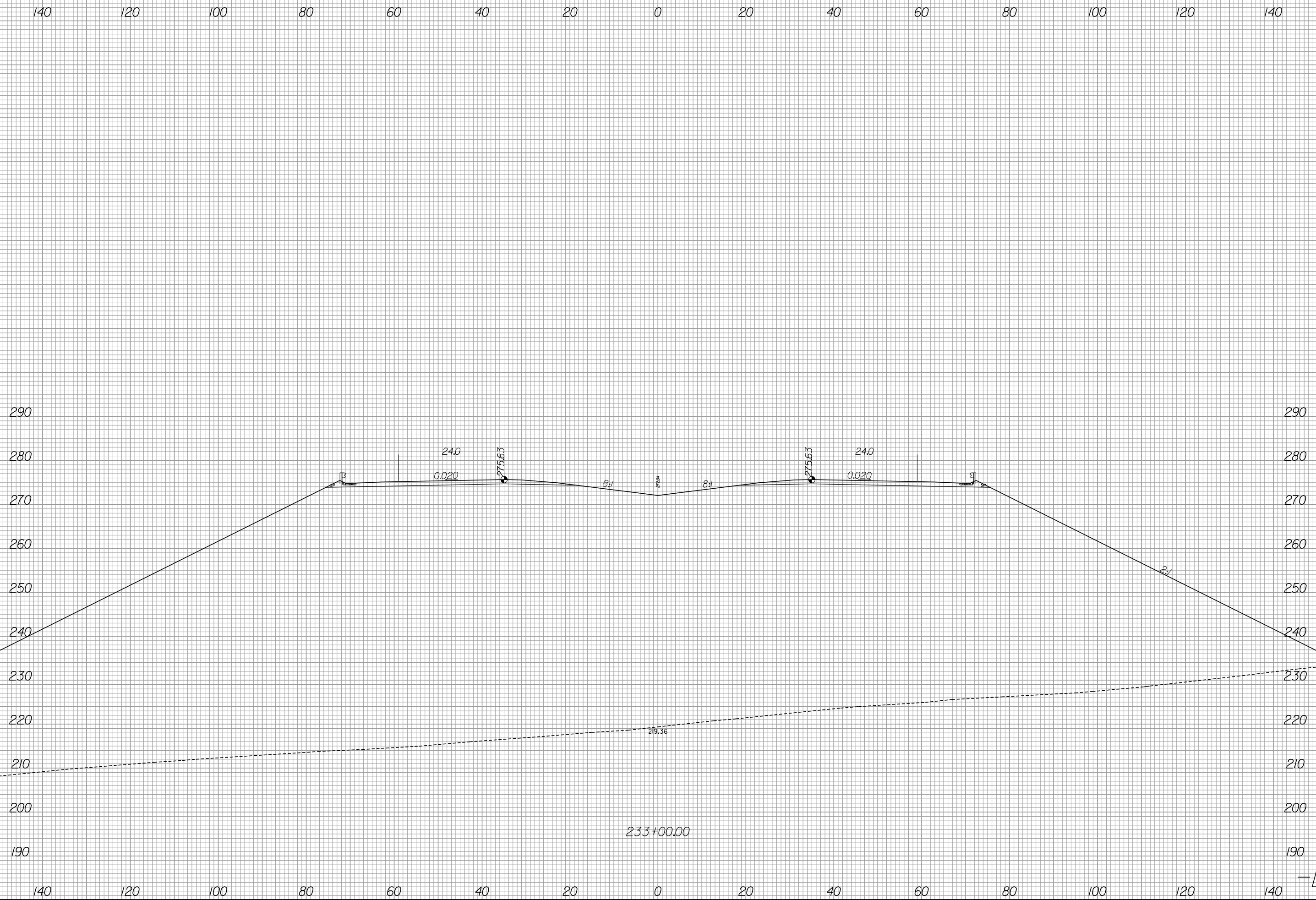
8/23/99



PROJ. REFERENCE NO. R-3421B	SHEET NO. X-187
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MATCH TO SHEET X-188

MATCH TO SHEET X-189



6/13/2019
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gaugsborg

-L-

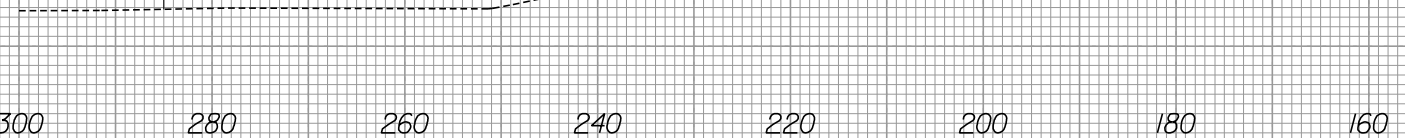


440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

290
280
270
260
250
240
230
220
210
200
190

MATCH TO SHEET X-187

PROP. R/W



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



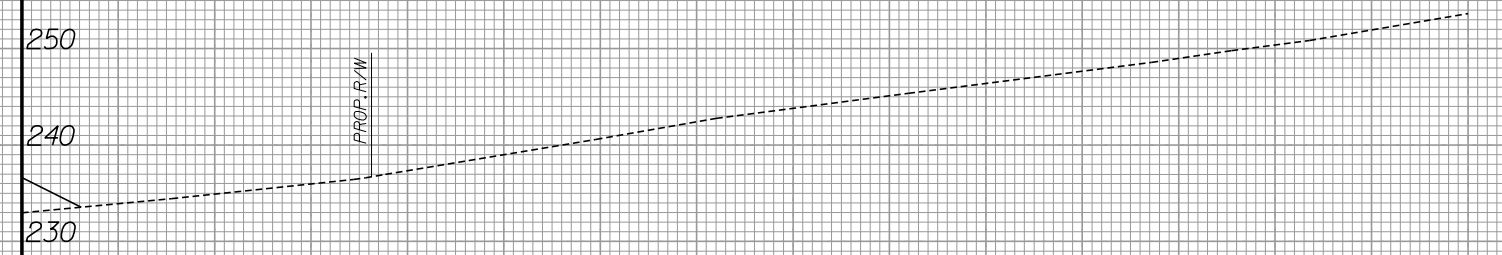
PROJ. REFERENCE NO.	SHEET NO.
R-342/B	X-189

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-187

290
280
270
260
250
240
230
220
210
200
190

PROP. F.F.W



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



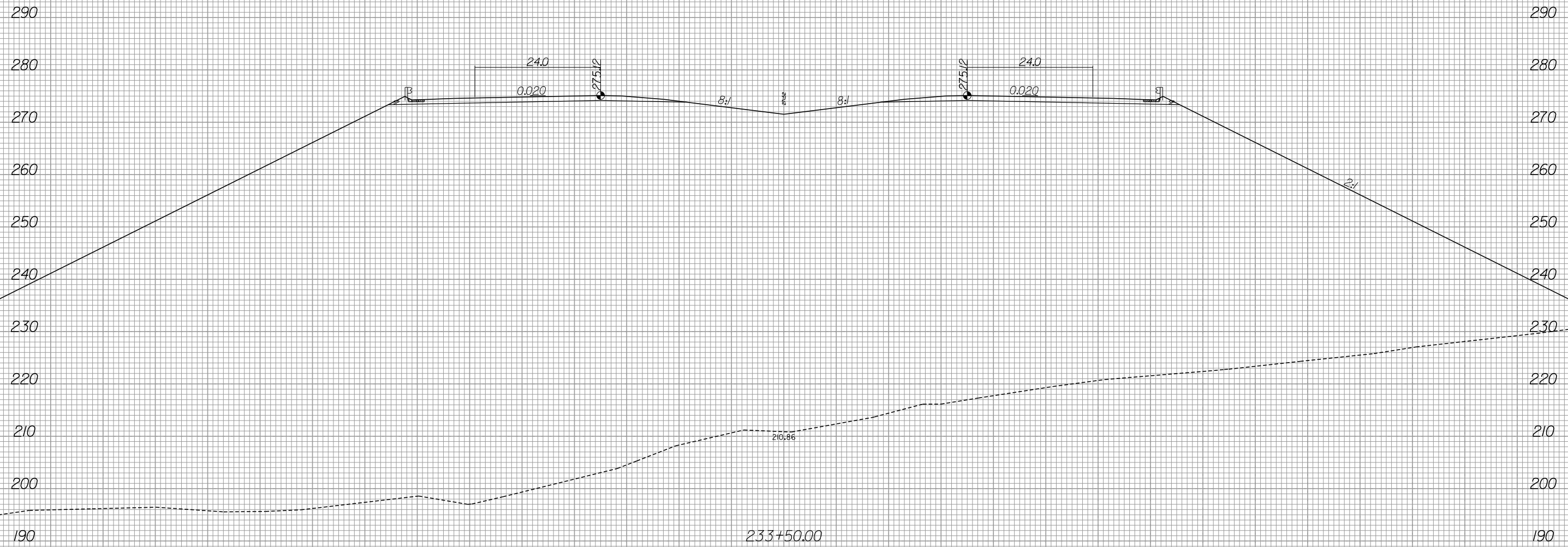
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-190

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-191

MATCH TO SHEET X-192



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440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

290
280
270
260
250
240
230
220
210
200
190

MATCH TO SHEET X-190

PROP. R/W

-L-

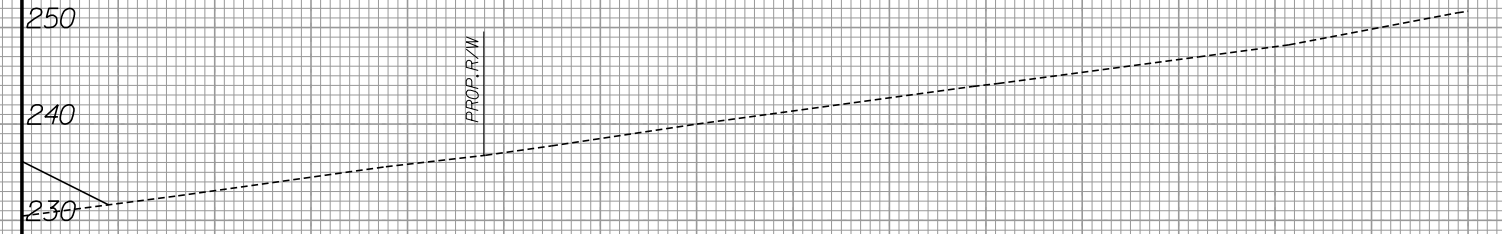


160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-190

290
280
270
260
250
240
230
220
210
200
190

PROP. R/W



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



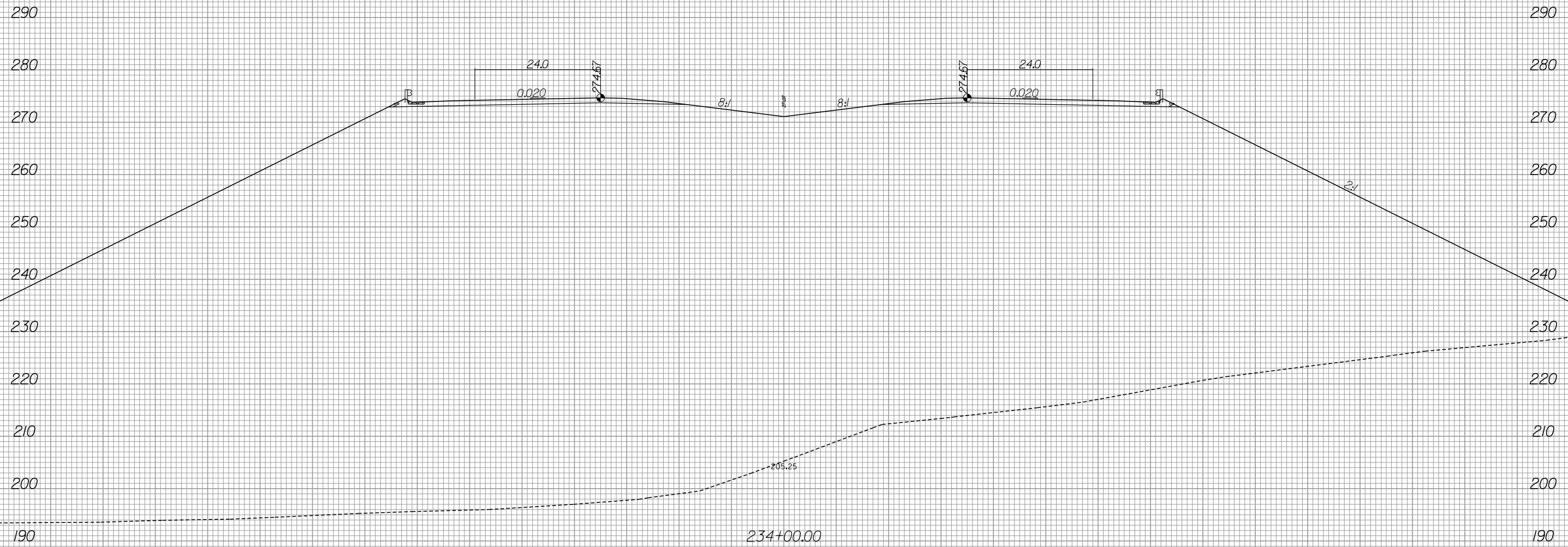
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-193

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-194

MATCH TO SHEET X-195



6/13/2019
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gaugsborg

-L-

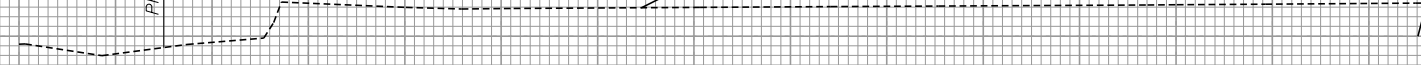


440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

290
280
270
260
250
240
230
220
210
200
190

MATCH TO SHEET X-195

PROP. R/W



-L-

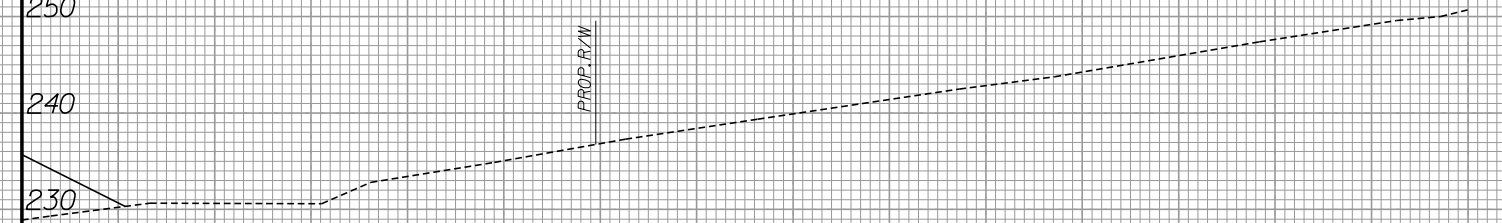


160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-193

290
280
270
260
250
240
230
220
210
200
190

PROP. R/W



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-

8/23/99



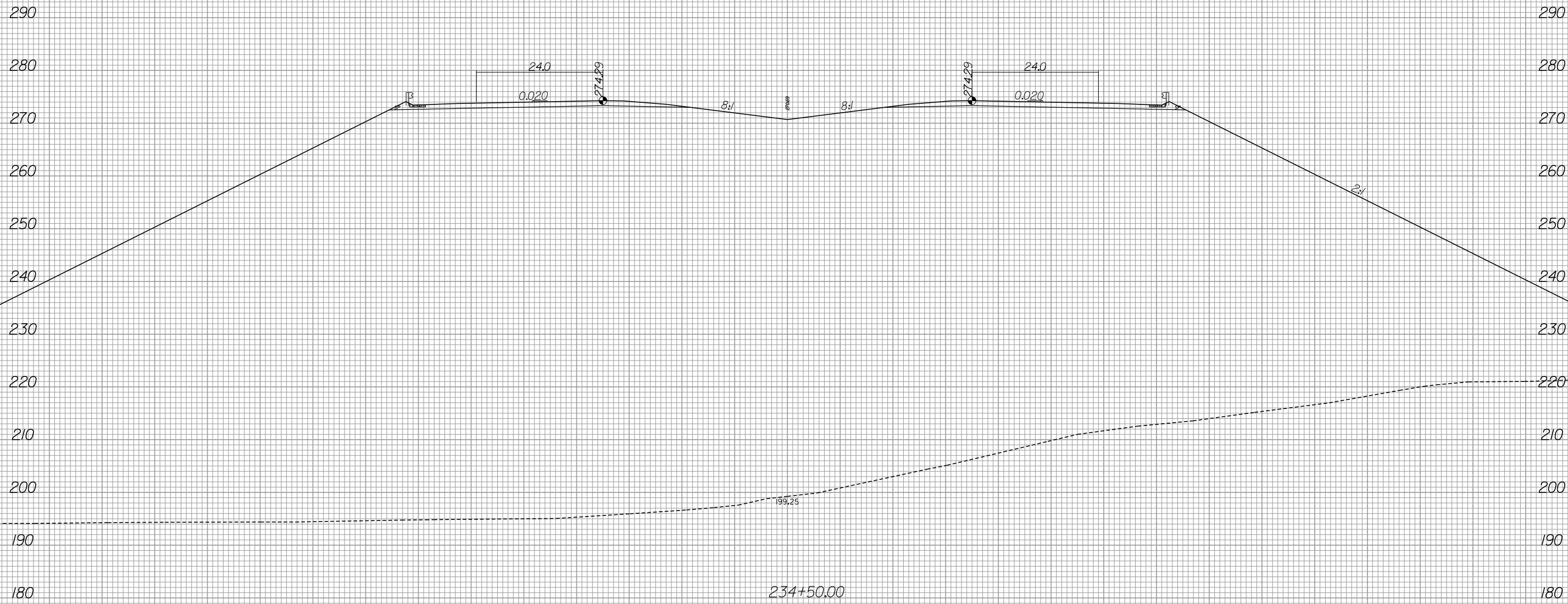
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-196

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-197

MATCH TO SHEET X-198



6/13/2019
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gaugsborg

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180

290
280
270
260
250
240
230
220
210
200
190
180

MATCH TO SHEET X-196

PROP. P/W

2%

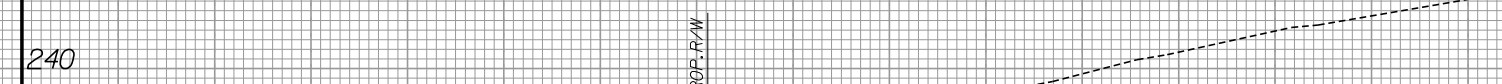
-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-196

290
280
270
260
250
240
230
220
210
200
190
180



PROP. R/W

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



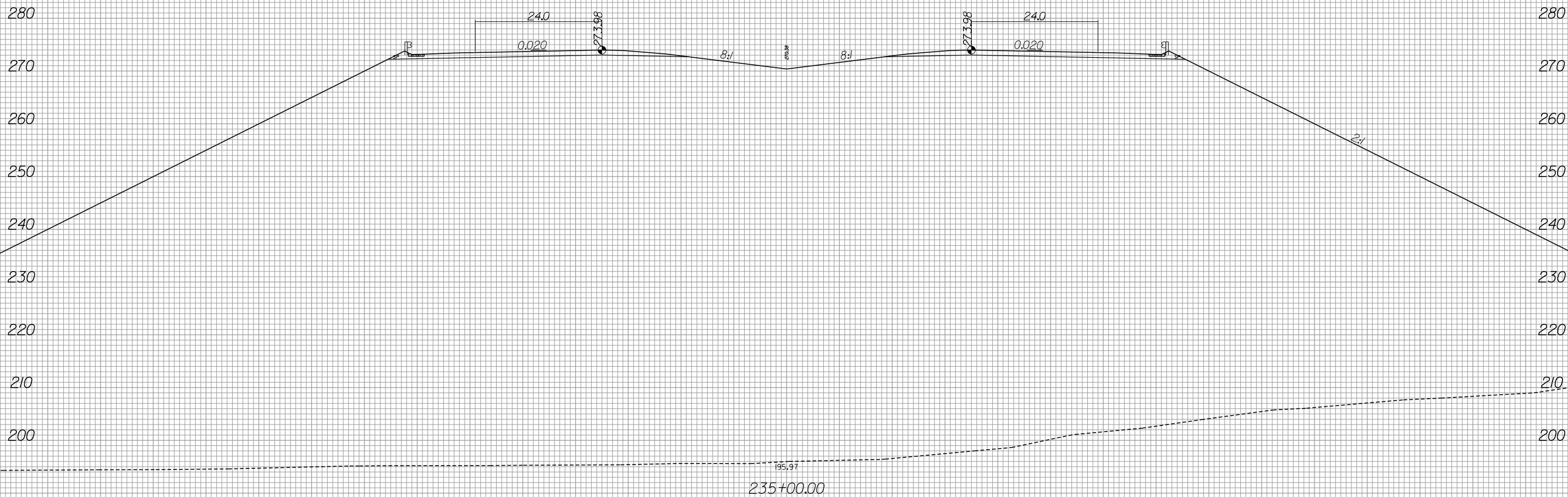
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-199

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-200

MATCH TO SHEET X-201



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gaugsborg

-L-

8/23/99



PROJ. REFERENCE NO.
R-342/B

SHEET NO.
X-200

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

MATCH TO SHEET X-199

280
270
260
250
240
230
220
210
200

PROP. R/W

2%
188.81
2%

-L-

6/12/2016
R:\Roads\Xsc\R-342\B.rdy.xpl.L2.dgn
mahouser



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-199

280
270
260
250
240
230
220
210
200

PROP. R/W

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-

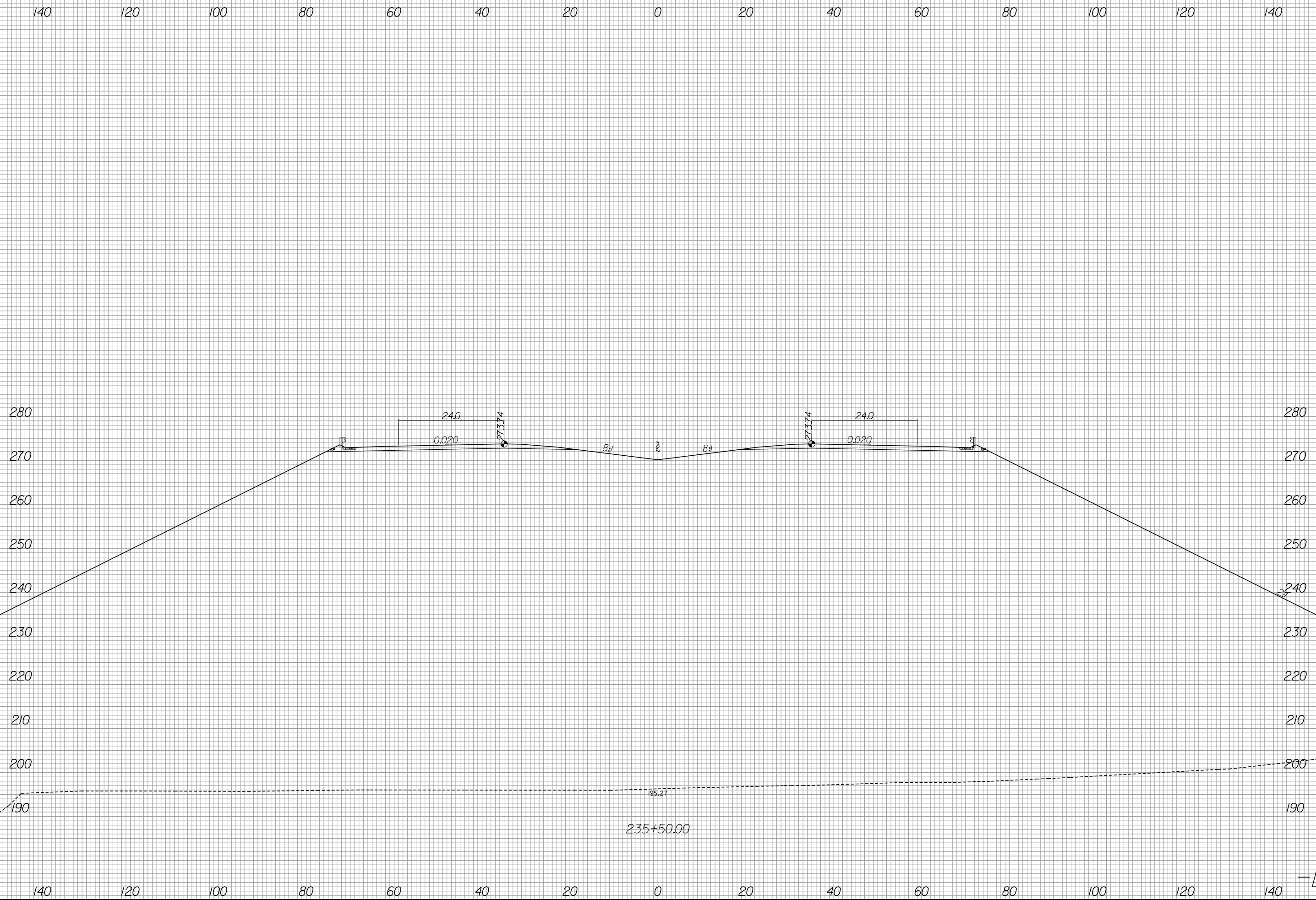
8/23/99



PROJ. REFERENCE NO. R-3421B	SHEET NO. X-202
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MATCH TO SHEET X-203

MATCH TO SHEET X-204



6/13/2019
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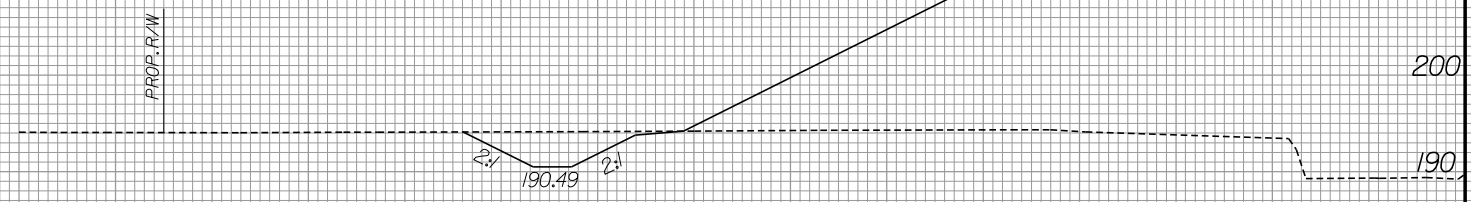
-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

MATCH TO SHEET X-202



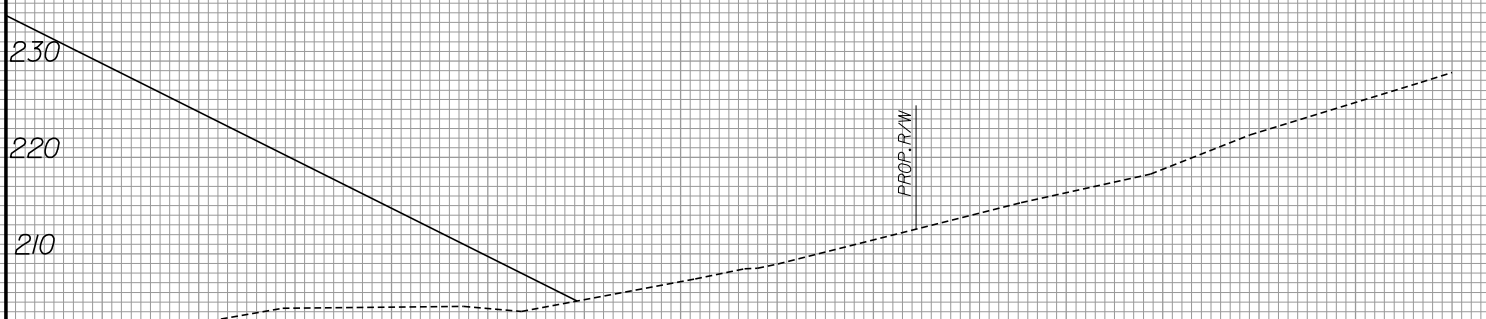
-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-202

280
270
260
250
240
230
220
210
200
190



PROP. P.W.

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99

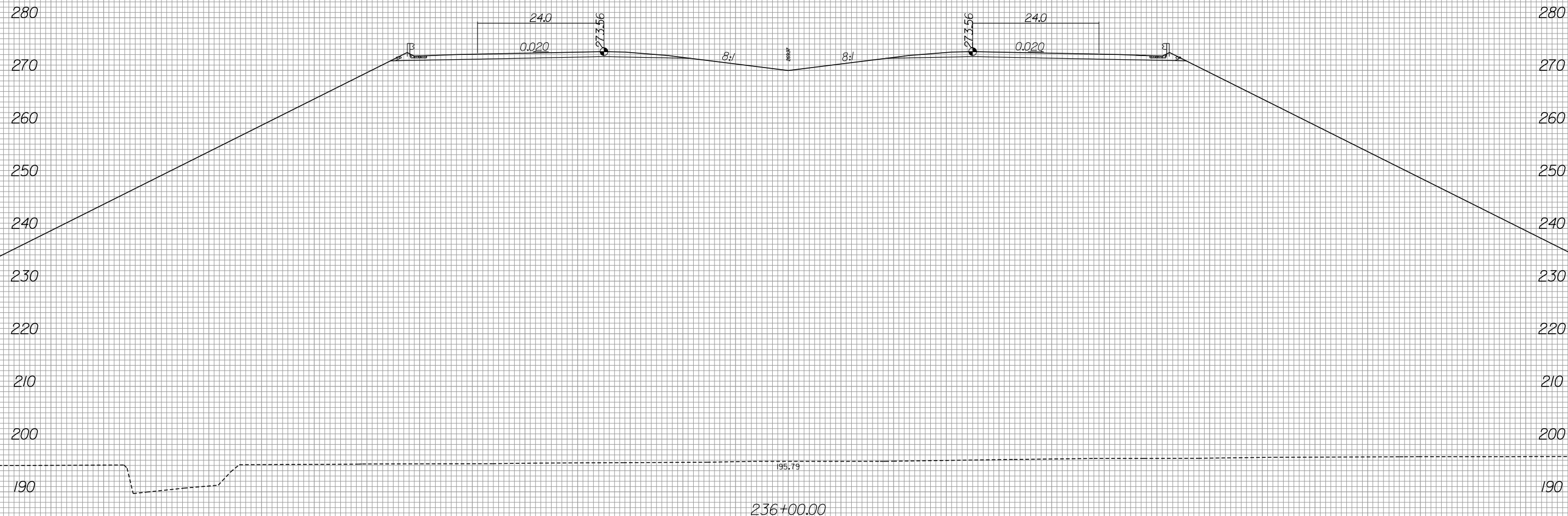


PROJ. REFERENCE NO. R-3421B	SHEET NO. X-205
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140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-206

MATCH TO SHEET X-207



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

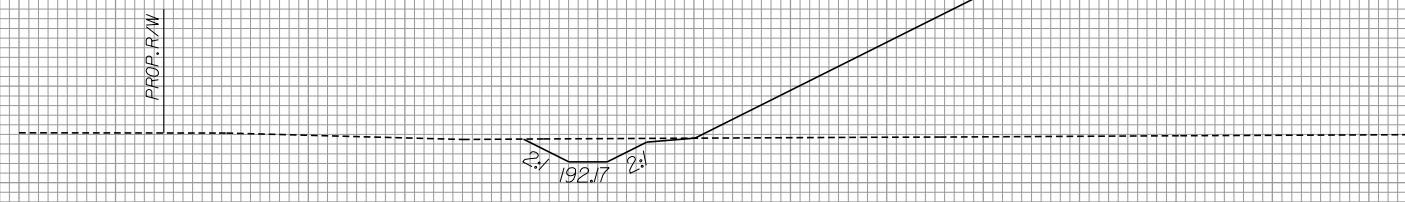
6/13/2019 R:\Roadway\Xsc\3421b_rdy_xpl.L2.dgn gaugsborg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

280
270
260
250
240
230
220
210
200
190

MATCH TO SHEET X-205



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

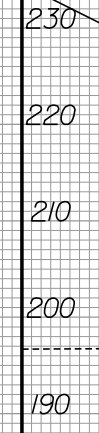


160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-205

280
270
260
250
240
230
220
210
200
190

24



PROP. R/W

2+195.50

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



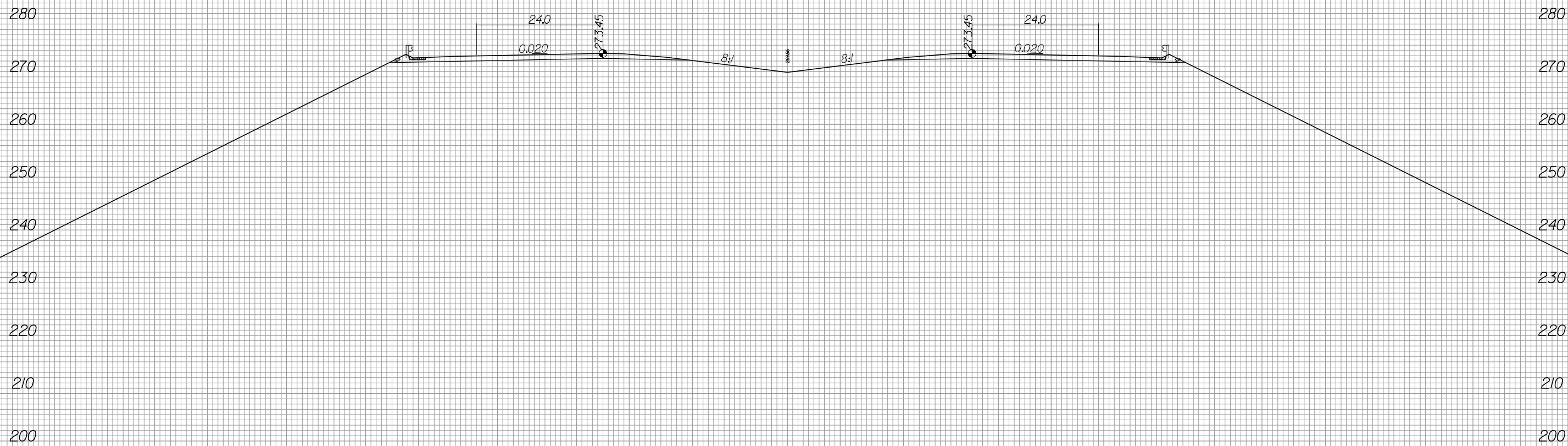
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-208

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-209

MATCH TO SHEET X-210



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

6/13/2019
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gaugsborg

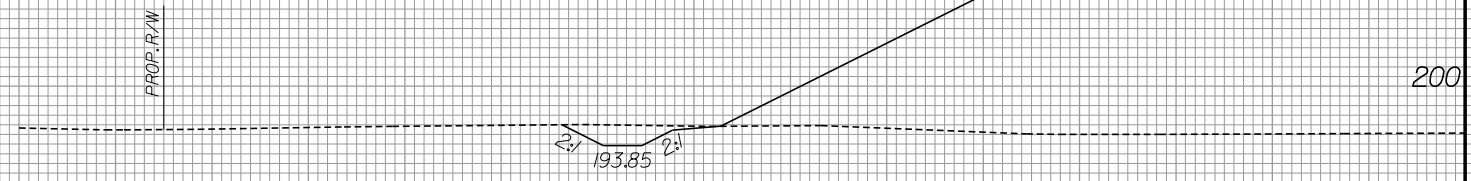
-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

280
270
260
250
240
230
220
210
200

MATCH TO SHEET X-208



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-



160 180 200 220 240 260 280 300 320 340 360 380

400 420 440

MATCH TO SHEET X-208

280
270
260
250
240
230
220
210
200

230
220
210
200

2.1/195.36

PROP. R/W

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-

8/23/99



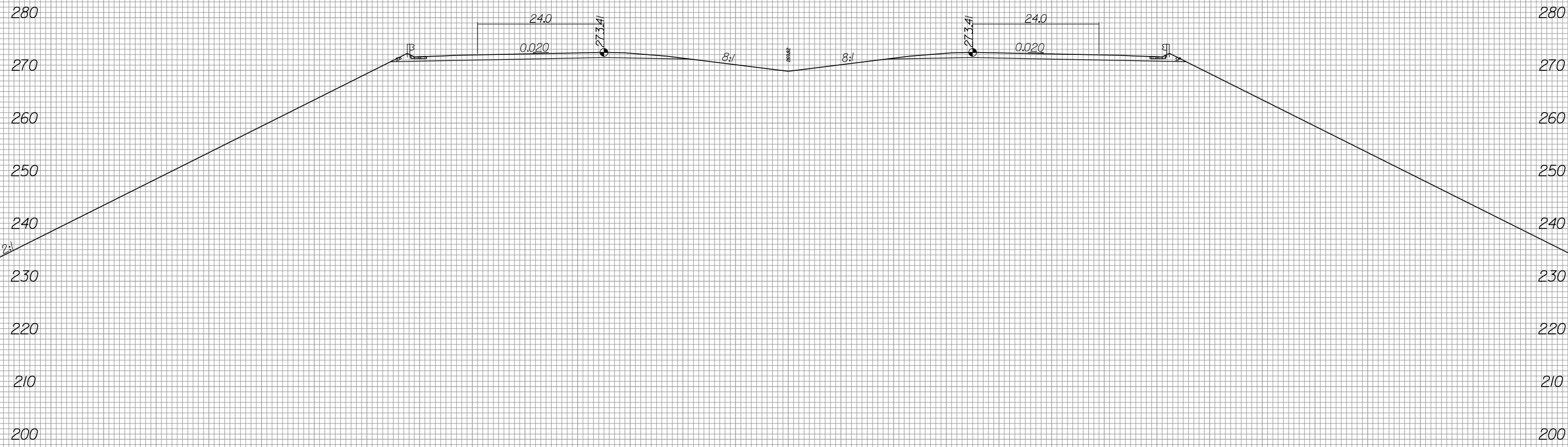
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-211

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-212

MATCH TO SHEET X-213



237+00.00

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

6/13/2019
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gaugsborg

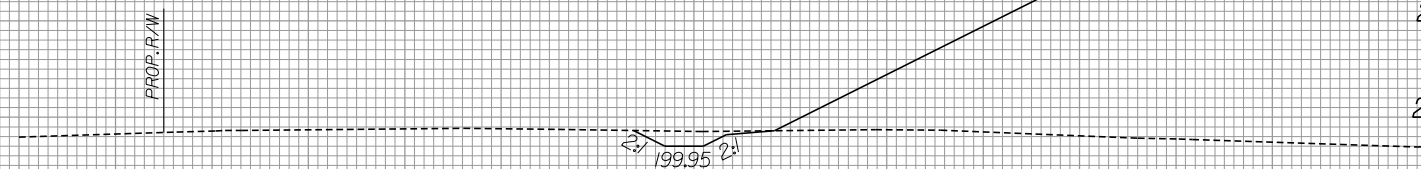
8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-342/B	X-212

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

280
270
260
250
240
230
220
210
200

MATCH TO SHEET X-211



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

-L-

6/12/2018
R:\Roads\Xsc\3421b.rdy.xpl.L2.dgn
mahouser



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-211

280
270
260
250
240
230
220
210
200

230

PROP. R/W

2/195.21

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

8/23/99



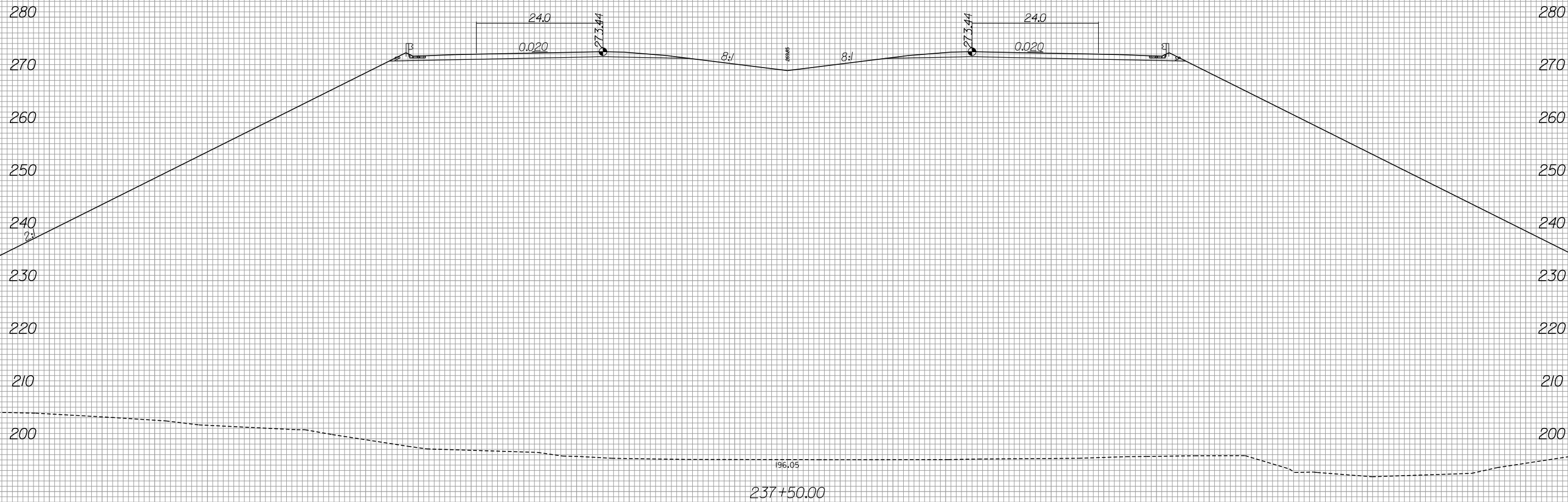
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-214

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-215

MATCH TO SHEET X-216



140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

6/13/2019
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gaugsborg



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

MATCH TO SHEET X-214

280
270
260
250
240
230
220
210
200

PROP. R/W

-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-214

280
270
260
250
240
230
220
210
200

160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

-L-



8/23/99



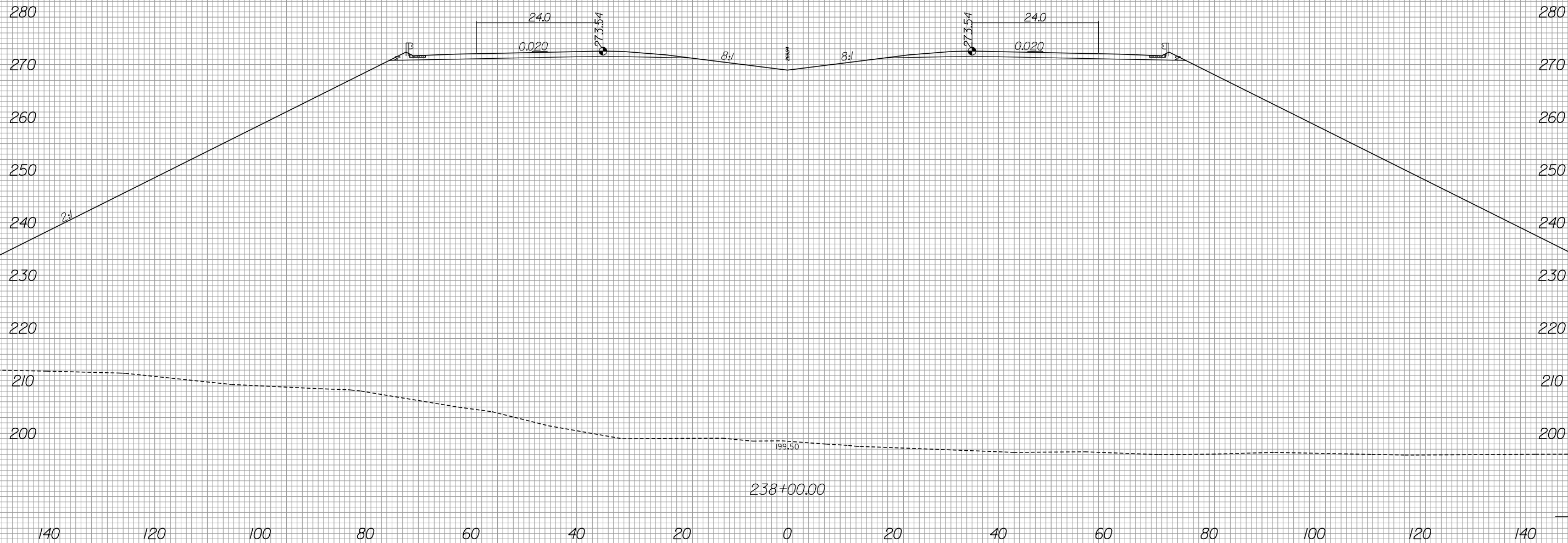
PROJ. REFERENCE NO.
R-3421B

SHEET NO.
X-217

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

MATCH TO SHEET X-218

MATCH TO SHEET X-219



6/13/2019
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gaugsborg

-L-



440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

440 420 400 380 360 340 320 300 280 260 240 220 200 180 160

MATCH TO SHEET X-217

280
270
260
250
240
230
220
210
200

PROP. R/W

-L-



160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

MATCH TO SHEET X-217

280
270
260
250
240
230
220
210
200

230

PROP. R/W

PDE

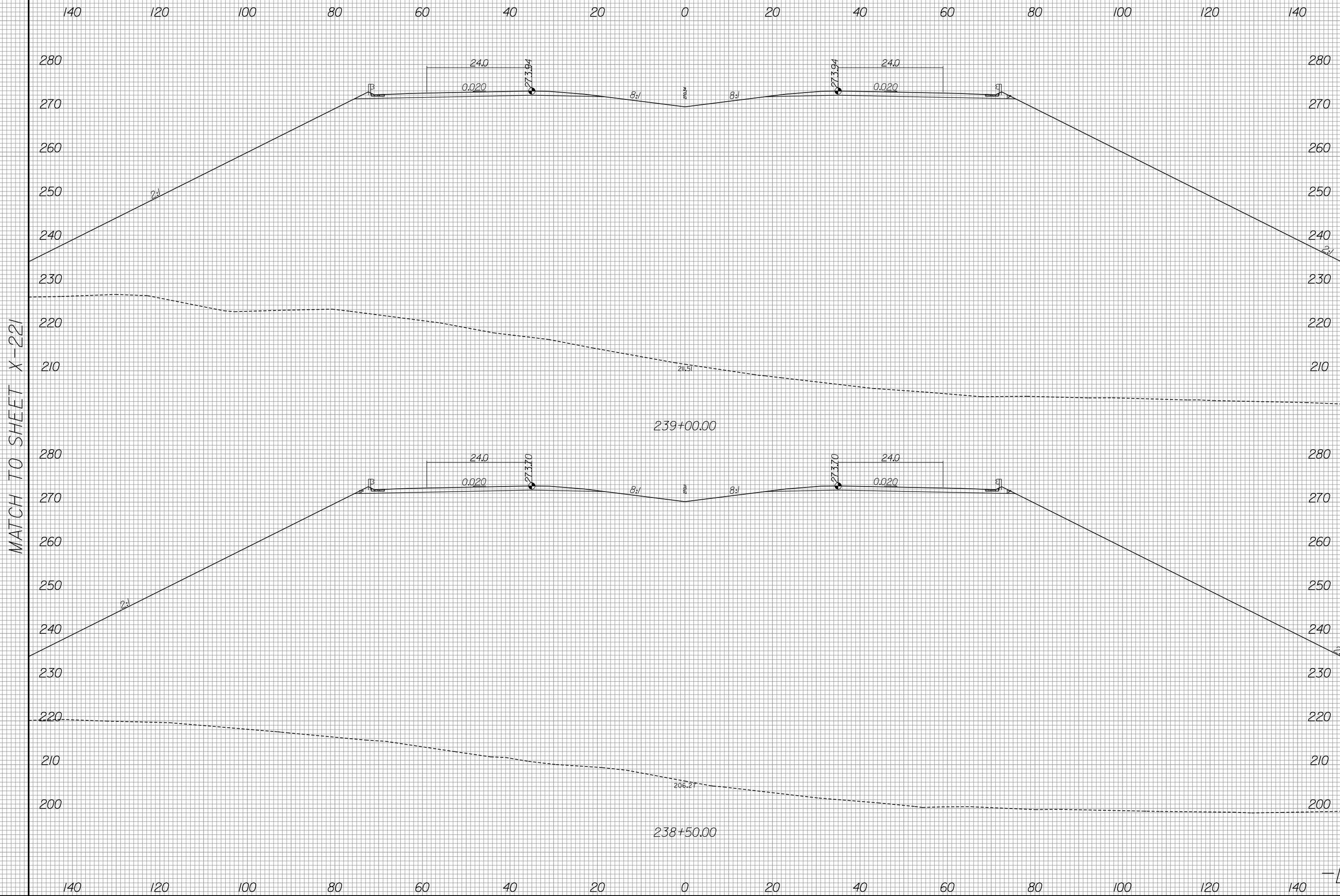
160 180 200 220 240 260 280 300 320 340 360 380 400 420 440

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8/23/99



PROJ. REFERENCE NO. R-3421B SHEET NO. X-220



MATCH TO SHEET X-221

MATCH TO SHEET X-222

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