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<b>PROJ. REFERENCE NO.</b>	<b>SHEET NO.</b>
R-1015	X-1A

### STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

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

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

### CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut
L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)
32+80.83	0	0	0	59+50.00	192	1827	0	83+50.00	287	1581	0	107+00.00	0	0	0
33+00.00	55	18	0	60+00.00	246	1794	0	84+00.00	262	1625	0	107+50.00	0	2007	0
33+50.00	213	44	0	60+50.00	251	1751	0	84+50.00	199	1606	0	108+00.00	0	1928	0
34+00.00	232	26	0	61+00.00	235	1672	0	85+00.00	107	1548	0	108+50.00	0	1864	0
34+50.00	190	23	0	61+50.00	233	1589	0	85+50.00	61	1565	0	109+00.00	0	1774	0
35+00.00	156	45	0	62+00.00	238	1531	0	86+00.00	71	1650	0	109+50.00	0	1647	0
35+50.00	135	69	0	62+50.00	222	1494	0	86+50.00	72	1774	0	110+00.00	0	1562	0
36+00.00	123	84	0	63+00.00	201	1485	0	87+00.00	34	1802	0	110+50.00	0	1516	0
36+50.00	135	86	0	63+50.00	201	1517	0	87+50.00	0	1793	0	111+00.00	0	1468	0
37+00.00	120	87	0	64+00.00	180	1569	0	88+00.00	0	2060	0	111+50.00	0	1417	0
37+50.00	95	95	0	64+50.00	162	1606	0	88+50.00	0	2290	0	112+00.00	0	1364	0
38+00.00	98	107	0					89+00.00	0	2282	0	112+50.00	0	1304	0
38+50.00	97	115	0	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	<b>Undercut</b>	89+50.00	0	2299	0	113+00.00	0	1262	0
39+00.00	85	141	0					90+00.00	0	2330	0	113+50.00	0	1255	0
39+50.00	75	184	0	<b>L</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	90+50.00	0	2376	0	114+00.00	0	1241	0
41+00.00	447	1139	0	64+50.00	0	0	0	91+00.00	0	2377	0	114+50.00	0	1244	0
41+50.00	179	404	0	65+00.00	171	1644	0	91+50.00	0	2316	0	115+00.00	0	1281	0
42+00.00	169	265	0	65+50.00	203	1687	0	92+00.00	0	2238	0	115+50.00	0	1335	0
42+50.00	199	267	0	66+00.00	196	1723	0	92+50.00	0	2394	0	116+00.00	0	1436	0
43+00.00	186	351	0	66+50.00	158	1779	0	93+00.00	0	2543	0	116+50.00	0	1631	0
43+50.00	182	439	0	67+00.00	150	1825	0	93+50.00	0	2158	0	117+00.00	0	1939	0
44+00.00	181	422	0	67+50.00	156	1850	0	94+00.00	0	1759	0	117+50.00	0	2357	0
44+50.00	171	398	0	68+00.00	189	1836	0	94+50.00	0	1644	0	118+00.00	0	3003	0
45+00.00	149	369	0	68+50.00	236	1805	0					118+50.00	0	3381	0
45+50.00	126	363	0	69+00.00	300	1795	0	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	<b>Undercut</b>	119+00.00	0	3656	0
46+00.00	115	372	0	69+50.00	371	1764	0	<b>L</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	119+50.00	0	4204	0
46+50.00	109	383	0	70+00.00	215	1542	0					120+00.00	0	4692	0
47+00.00	83	429	0	70+50.00	31	1324	0	94+50.00	0	0	0	120+50.00	0	5269	0
47+50.00	58	510	0	71+00.00	32	1294	0	95+00.00	0	1557	0	121+00.00	0	5804	0
48+00.00	69	630	0	71+50.00	27	1280	0	95+50.00	0	1506	0	121+50.00	0	6200	0
48+50.00	100	736	0	72+00.00	19	1246	0	96+00.00	0	1491	0	122+00.00	0	6680	0
49+00.00	147	807	0	72+50.00	25	1180	0	96+50.00	0	1773	0	122+50.00	0	7087	0
49+50.00	190	888	0	73+00.00	31	1111	0	97+00.00	0	1700	0	123+00.00	0	7442	0
50+00.00	182	978	0	73+50.00	32	1058	0	97+50.00	0	1503	0	123+50.00	0	7905	0
50+50.00	160	1061	0	74+00.00	36	1016	0	98+00.00	0	1549	0	124+00.00	0	8307	0
51+00.00	173	1137	0	74+50.00	40	969	0	98+50.00	0	1453	0	124+50.00	0	8765	0
51+50.00	196	1223	0	75+00.00	40	933	0	99+00.00	0	1486	0	125+00.00	0	9325	0
52+00.00	210	1316	0	75+50.00	28	930	0	99+50.00	0	1533	0	125+50.00	0	9894	0
52+50.00	212	1406	0	76+00.00	24	925	0	100+00.00	0	1705	0	126+00.00	0	10538	0
53+00.00	221	1488	0	76+50.00	28	900	0	100+50.00	0	1852	0	126+50.00	0	11173	0
53+50.00	251	1566	0	77+00.00	29	893	0	101+00.00	0	1880	0	127+00.00	0	11723	0
54+00.00	272	1651	0	77+50.00	29	914	0	101+50.00	0	1906	0	127+50.00	0	12282	0
54+50.00	304	1719	0	78+00.00	31	957	0	102+00.00	0	1936	0	128+00.00	0	12903	0
55+00.00	346	1765	0	78+50.00	32	1042	0	102+50.00	0	1986	0	128+50.00	0	13469	0
55+50.00	381	1819	0	79+00.00	24	856	0	103+00.00	0	2006	0	129+00.00	0	13969	0
56+00.00	424	1883	0	79+50.00	23	657	0	103+50.00	0	2036	0	129+50.00	0	14514	0
56+50.00	453	1965	0	80+00.00	59	750	0	104+00.00	0	2108	0	130+00.00	0	15115	0
57+00.00	426	2042	0	80+50.00	114	878	0	104+50.00	0	2082	0	130+50.00	0	15627	0
57+50.00	359	2081	0	81+00.00	160	1025	0	105+00.00	0	2228	0	131+00.00	0	16064	0
58+00.00	292	2094	0	81+50.00	181	1173	0	105+50.00	0	2387	0	131+50.00	0	16428	0
58+50.00	243	2014	0	82+00.00	233	1309	0	106+00.00	0	2266	0	132+00.00	0	16700	0
58+75.00	62	956	0	82+50.00	282	1428	0	106+50.00	0	2153	0	132+50.00	0	16955	0
59+00.00	44	934	0	83+00.00	284	1531	0	107+00.00	0	2078	0	133+00.00	0	17061	0

**STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS**

<b>PROJ. REFERENCE NO.</b>	<b>SHEET NO.</b>
R-1015	X-1B

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

**CROSS-SECTION SUMMARY**

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.)	Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu. yd.)
133+50.00	0	17126	0	162+00.00	0	2449	0	202+50.00	0	6743	0	228+70.94	0	0	0
134+00.00	0	17210	0	162+50.00	0	2513	0	203+00.00	0	6960	0	229+00.00	0	8137	0
134+50.00	0	17433	0	163+00.00	0	2576	0	203+50.00	0	7133	0	229+50.00	0	14006	0
135+00.00	0	17715	0	163+50.00	0	2632	0	204+00.00	0	7297	0	230+00.00	0	13940	0
135+50.00	0	17665	0	164+00.00	0	2670	0	204+50.00	0	7480	0	230+50.00	0	13903	0
136+00.00	0	17586	0	164+50.00	0	2717	0	205+00.00	0	7682	0	231+00.00	0	13862	0
				165+00.00	0	2826	0	205+50.00	0	7927	0	231+50.00	0	13831	0
				165+50.00	0	2964	0	206+00.00	0	8235	0	232+00.00	0	13872	0
				166+00.00	0	3137	0	206+50.00	0	8572	0	232+50.00	0	14014	0
				166+50.00	0	3408	0	207+00.00	0	8879	0	233+00.00	0	14326	0
141+50.00	0	0	0	167+00.00	0	3740	0	207+50.00	0	9146	0	233+50.00	0	14869	0
142+00.00	0	13598	0	167+50.00	0	4031	0	208+00.00	0	9388	0	234+00.00	0	15611	0
142+50.00	0	13208	0	168+00.00	0	4246	0	208+50.00	0	9556	0	234+50.00	0	16519	0
143+00.00	0	12676	0	168+50.00	0	4362	0	209+00.00	0	9662	0	235+00.00	0	17518	0
143+50.00	0	12052	0	169+00.00	0	4513	0	209+50.00	0	9783	0	235+50.00	0	13016	0
144+00.00	0	11382	0	169+50.00	0	4640	0	210+00.00	0	9940	0	236+00.00	0	7950	0
144+50.00	0	10658	0					210+50.00	0	10127	0	236+50.00	0	7678	0
145+00.00	0	9956	0					211+00.00	0	10338	0	237+00.00	0	7135	0
145+50.00	0	9262	0					211+50.00	0	10566	0	237+50.00	0	6594	0
146+00.00	0	8544	0					212+00.00	0	10803	0	238+00.00	0	6094	0
146+50.00	0	7855	0	186+00.00	0	0	0	212+50.00	0	11054	0	238+50.00	0	5593	0
147+00.00	0	7210	0	186+50.00	0	3041	0	213+00.00	0	11317	0	239+00.00	0	5219	0
147+50.00	0	6574	0	187+00.00	0	2975	0	213+50.00	0	11576	0	239+50.00	0	4882	0
148+00.00	0	5919	0	187+50.00	0	2894	0	214+00.00	0	11820	0	240+00.00	0	4509	0
148+50.00	0	5295	0	188+00.00	0	2789	0	214+50.00	0	12057	0	240+50.00	0	4100	0
149+00.00	0	4719	0	188+50.00	0	2709	0	215+00.00	0	12411	0	241+00.00	0	3697	0
149+50.00	0	4201	0	189+00.00	0	2693	0	215+50.00	0	12900	0	241+50.00	0	3344	0
150+00.00	0	3755	0	189+50.00	0	2717	0	216+00.00	0	13382	0	242+00.00	0	3027	0
150+50.00	0	3342	0	190+00.00	0	2762	0					242+50.00	0	2776	0
151+00.00	0	2949	0	190+50.00	0	2830	0					243+00.00	0	2649	0
151+50.00	0	2606	0	191+00.00	0	2915	0					243+50.00	0	2445	0
152+00.00	0	2316	0	191+50.00	0	3049	0					244+00.00	0	2034	0
152+50.00	0	2083	0	192+00.00	0	3230	0	216+00.00	0	0	0	244+50.00	0	1476	0
153+00.00	0	1931	0	192+50.00	0	3411	0	216+50.00	0	13785	0	245+00.00	0	1188	0
153+50.00	0	1886	0	193+00.00	0	3569	0	217+00.00	0	14118	0	245+50.00	0	1066	0
153+75.00	0	1063	0	193+50.00	0	3724	0	217+50.00	0	14440	0	246+00.00	0	818	0
154+00.00	0	1092	0	194+00.00	0	3900	0	218+00.00	0	14699	0	246+50.00	32	648	0
154+50.00	0	1994	0	194+50.00	0	4091	0	218+50.00	0	14949	0	247+00.00	55	529	0
155+00.00	0	1915	0	195+00.00	0	4296	0	219+00.00	0	15112	0	247+50.00	36	444	0
155+21.00	0	887	0	195+50.00	0	4539	0	219+50.00	0	15162	0	248+00.00	14	409	0
155+50.00	0	1256	0	196+00.00	0	4833	0	220+00.00	0	15231	0	248+50.00	0	392	0
156+00.00	0	1934	0	196+50.00	0	5257	0	220+50.00	0	15281	0	249+00.00	0	412	0
156+50.00	0	1927	0	197+00.00	0	5493	0	221+00.00	0	15311	0	249+50.00	0	472	0
157+00.00	0	2017	0	197+50.00	0	5169	0	221+50.00	0	15388	0	250+00.00	0	516	0
157+50.00	0	2121	0	198+00.00	0	4950	0	222+00.00	0	15512	0	250+50.00	0	518	0
158+00.00	0	2228	0	198+50.00	0	5114	0	222+50.00	0	15605	0	251+00.00	0	484	0
158+50.00	0	2318	0	199+00.00	0	5286	0	223+00.00	0	15543	0	251+50.00	0	465	0
159+00.00	0	2341	0	199+50.00	0	5459	0	223+50.00	0	15350	0	252+00.00	0	475	0
159+50.00	0	2352	0	200+00.00	0	5638	0	224+00.00	0	15205	0	252+50.00	0	501	0
160+00.00	0	2356	0	200+50.00	0	5834	0	224+50.00	0	15091	0	253+00.00	0	506	0
160+50.00	0	2369	0	201+00.00	0	6049	0	225+00.00	0	14956	0	253+50.00	0	487	0
161+00.00	0	2384	0	201+50.00	0	6274	0	225+50.00	0	14858	0	254+00.00	0	467	0
161+50.00	0	2404	0	202+00.00	0	6505	0	226+00.00	0	14807	0	254+50.00	0	505	0

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-1C

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## CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Undercut		Station	Uncl. Exc.	Embt	Undercut		Station	Uncl. Exc.	Embt	Undercut		Station	Uncl. Exc.	Embt	Undercut
L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
255+00.00	0	600	0	278+50.00	0	3121	0	312+50.00	95	1455	0	336+50.00	16	2390	0			
255+50.00	0	936	0	279+00.00	0	3259	0	313+00.00	87	1389	0	337+00.00	0	1881	0			
256+00.00	0	1258	0	279+50.00	0	3569	0	313+50.00	66	1479	0	337+50.00	0	1532	0			
256+50.00	0	1281	0	280+00.00	0	3984	0	314+00.00	35	1531	0	338+00.00	0	1504	0			
257+00.00	0	1245	0	280+50.00	0	4524	0	314+50.00	18	1474	0	338+50.00	0	1566	0			
257+50.00	0	1219	0	281+00.00	0	5316	0	315+00.00	18	1457	0	339+00.00	0	1601	0			
258+00.00	0	1219	0	281+50.00	0	6176	229	315+50.00	27	1541	0	339+50.00	0	1781	0			
258+50.00	0	1238	0	282+00.00	0	6657	342	316+00.00	30	1607	0	340+00.00	0	2110	0			
				282+50.00	0	6811	337	316+50.00	27	1575	0	340+50.00	0	2400	0			
								317+00.00	25	1506	0	341+00.00	0	2500	0			
								317+50.00	23	1436	0	341+50.00	9	2519	0			
								318+00.00	20	1354	0	342+00.00	15	2798	0			
								318+50.00	20	1255	0	342+50.00	31	3053	0			
258+50.00	0	0	0					319+00.00	27	1251	0	343+00.00	88	2896	0			
259+00.00	0	1277	0	292+50.00	0	0	0	319+50.00	32	1182	0	343+50.00	107	2694	0			
259+50.00	0	1316	0	293+00.00	0	7098	327	320+00.00	17	1031	0	344+00.00	89	2600	0			
260+00.00	0	1331	0	293+50.00	0	5642	0	320+50.00	0	961	0	344+50.00	67	2511	0			
260+50.00	0	1335	0	294+00.00	0	3833	0	321+00.00	0	893	0	344+80.00	26	1672	0			
261+00.00	0	1375	0	294+50.00	0	2256	0	321+50.00	0	869	0	345+00.00	17	1078	0			
261+50.00	0	1443	0	295+00.00	0	1370	0	322+00.00	0	880	0	345+50.00	92	2240	0			
262+00.00	0	1520	0	295+50.00	0	1136	0	322+50.00	0	856	0	346+00.00	110	2157	0			
262+50.00	0	1804	0	296+00.00	0	1047	0					346+50.00	66	2106	0			
263+00.00	0	2035	0	296+50.00	0	978	0					347+00.00	44	2073	0			
263+50.00	0	2063	0	297+00.00	0	932	0	Station	Uncl. Exc.	Embt	Undercut							
264+00.00	0	2148	0	297+50.00	0	889	0	L	(cu. yd.)	(cu. yd.)	(cu. yd.)							
264+50.00	0	2255	0	298+00.00	0	862	0					347+50.00	30	2028	0			
265+00.00	0	2282	0	298+50.00	0	840	0	322+50.00	0	0	0	348+00.00	12	1986	0			
265+50.00	0	2231	0	299+00.00	0	812	0	322+50.00	0	0	0	348+50.00	0	1957	0			
266+00.00	0	2218	0	299+50.00	0	790	0	323+00.00	0	781	0	349+00.00	0	1965	0			
266+50.00	0	2245	0	300+00.00	0	744	0	323+50.00	0	701	0	349+50.00	0	1991	0			
266+70.00	0	1172	0	300+50.00	0	673	0	324+00.00	0	687	0	350+00.00	0	2005	0			
267+00.00	0	1936	0	301+00.00	0	633	0	324+50.00	0	750	0	350+50.00	0	1978	0			
267+50.00	0	2963	0	301+50.00	0	888	0	325+00.00	0	822	0	351+00.00	0	1924	0			
268+00.00	0	3273	0	302+00.00	0	1235	0	325+50.00	0	805	0	351+50.00	0	1937	0			
268+50.00	0	3738	0	302+50.00	0	1612	0	326+00.00	0	704	0	352+00.00	0	1959	0			
269+00.00	0	4407	0	303+00.00	0	1332	0	326+50.00	0	648	0	352+50.00	6	1925	0			
269+50.00	0	4981	276	303+50.00	0	590	189	327+00.00	0	651	0							
270+00.00	0	5157	322	304+00.00	0	424	205	327+50.00	0	645	0	Station	Uncl. Exc.	Embt	Undercut			
270+50.00	0	5214	260	304+50.00	0	413	208	328+00.00	0	769	0	L	(cu. yd.)	(cu. yd.)	(cu. yd.)			
271+00.00	0	5306	297	305+00.00	0	405	218	328+50.00	0	1021	0	352+50.00	0	0	0			
271+50.00	0	5366	287	305+50.00	0	457	184	329+00.00	0	1244	0	353+00.00	17	1892	0			
272+00.00	0	5506	576	306+00.00	0	610	98	329+50.00	0	1572	0	353+50.00	18	1866	0			
272+50.00	0	5690	877	306+50.00	0	839	28	330+00.00	18	2096	0	354+00.00	16	1811	0			
273+00.00	0	5439	758	307+00.00	0	806	0	330+50.00	56	2486	0	354+50.00	19	1719	0			
273+50.00	0	4802	0	307+50.00	0	568	0	331+00.00	106	2509	0	355+00.00	30	1609	0			
274+00.00	0	4215	0	308+00.00	0	510	0	331+50.00	161	2369	0	355+50.00	37	1635	0			
274+50.00	0	3748	0	308+50.00	0	698	0	332+00.00	191	2303	0	356+00.00	34	1819	0			
275+00.00	0	3346	0	309+00.00	0	993	0	332+50.00	202	2329	0	356+50.00	30	2051	0			
275+50.00	0	3185	0	309+50.00	1	1357	0	333+00.00	185	2392	0	357+00.00	38	2250	0			
276+00.00	0	3238	0	310+00.00	7	1748	0	333+50.00	108	2327	0	357+50.00	45	2147	0			
276+50.00	0	3262	0	310+50.00	58	1704	0	334+00.00	57	2029	0	358+00.00	43	1868	0			
277+00.00	0	3211	0	311+00.00	103	1487	0	334+50.00	71	1879	0	358+50.00	36	1762	0			
277+50.00	0	3119	0	311+50.00	106	1501	0	335+00.00	97	2019	0	359+00.00	29	1772	0			
278+00.00	0	3076	0	312+00.00	106	1532	0	335+50.00	97	2295	0	359+50.00	27	1748	0			

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-1D

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

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

## CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut		
L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)		
360+00.00	26	1687	0	384+00.00	0	1982	0	410+50.00	0	1381	0	434+50.00	0	1550	0		
360+50.00	26	1656	0	384+50.00	0	2006	0	411+00.00	0	1295	0	435+00.00	0	1443	0		
361+00.00	25	1683	0	385+00.00	0	2044	0	411+50.00	0	1190	0	435+50.00	0	1397	0		
361+50.00	23	1744	0	385+50.00	0	2087	0	412+00.00	0	1114	0	436+00.00	0	1424	0		
362+00.00	20	1833	0	386+00.00	0	2127	0	412+50.00	0	1024	0	436+50.00	0	1447	0		
362+50.00	19	1956	0	386+50.00	0	2148	0					437+00.00	0	1427	0		
363+00.00	19	2080	0	387+00.00	0	2146	0	Station	Uncl. Exc.	Embt	Undercut	437+50.00	0	1390	0		
363+50.00	19	2191	0	387+50.00	0	2137	0	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	438+00.00	0	1346	0		
364+00.00	19	2293	0	388+00.00	0	2131	0					438+50.00	0	1273	0		
364+50.00	19	2379	0	388+50.00	0	2114	0	412+50.00	0	0	0	439+00.00	0	1176	0		
365+00.00	16	2443	0	389+00.00	0	2072	0	413+00.00	0	918	0	439+50.00	0	1106	0		
365+50.00	10	2508	0	389+50.00	0	2041	0	413+50.00	0	881	0	440+00.00	0	1078	0		
366+00.00	10	2531	0	390+00.00	0	1976	0	414+00.00	0	905	0	440+50.00	0	1061	0		
366+50.00	16	2494	0	390+50.00	0	1894	0	414+50.00	0	940	0	441+00.00	0	1050	0		
367+00.00	20	2449	0	391+00.00	0	1851	0	415+00.00	0	966	0	441+50.00	0	1044	0		
367+50.00	22	2409	0	391+50.00	0	1806	0	415+50.00	0	984	0	442+00.00	0	1037	0		
368+00.00	23	2372	0	392+00.00	0	1758	0	416+00.00	0	1006	0	442+50.00	0	1019	0		
368+50.00	24	2330	0	392+50.00	0	1720	0	416+50.00	0	1035	0						
369+00.00	23	2281	0	393+00.00	0	1689	0	417+00.00	0	1072	0	Station	Uncl. Exc.	Embt	Undercut		
369+50.00	20	2223	0	393+50.00	0	1660	0	417+50.00	0	1113	0	L	(cu. yd.)	(cu. yd.)	(cu. yd.)		
370+00.00	19	2139	0	394+00.00	0	1633	0	418+00.00	0	1148	0						
370+50.00	19	2028	0	394+50.00	0	1598	0	418+50.00	0	1125	0	442+50.00	0	0	0		
371+00.00	20	1921	0	395+00.00	0	1566	0	419+00.00	0	1156	0	443+00.00	0	993	0		
371+50.00	19	1845	0	395+50.00	0	1559	0	419+50.00	0	1320	0	443+50.00	0	954	0		
372+00.00	18	1794	0	396+00.00	0	1603	0	420+00.00	0	1438	0	444+00.00	0	913	0		
372+50.00	8	1738	0	396+50.00	0	1655	0	420+50.00	0	1491	0	444+50.00	0	902	0		
373+00.00	0	1681	0	397+00.00	0	1656	0	421+00.00	0	1564	0	445+00.00	0	917	0		
373+50.00	0	1655	0	397+50.00	0	1648	0	421+50.00	0	1654	0	445+50.00	0	938	0		
374+00.00	0	1744	0	398+00.00	0	1673	0	422+00.00	0	1744	0	446+00.00	0	943	0		
374+50.00	0	1927	0	398+50.00	0	1712	0	422+50.00	0	1814	0	446+50.00	0	919	0		
375+00.00	0	2192	0	399+00.00	0	1728	0	423+00.00	0	1846	0	447+00.00	0	894	0		
375+50.00	0	2432	388	399+50.00	0	1743	0	423+50.00	0	1870	0	447+50.00	0	885	0		
376+00.00	0	2550	427	400+00.00	0	1770	0	424+00.00	0	1926	0	448+00.00	0	896	0		
376+50.00	0	2623	415	400+50.00	0	1788	0	424+50.00	0	1994	0	448+50.00	0	919	0		
377+00.00	0	2622	212	401+00.00	0	1845	0	425+00.00	0	2008	0	449+00.00	0	929	0		
377+50.00	0	2598	234	401+50.00	0	1903	0	425+50.00	0	2048	0	449+50.00	0	915	0		
378+00.00	0	2733	204	402+00.00	0	1931	0	426+00.00	0	2169	0	450+00.00	0	881	0		
378+50.00	0	2751	0	402+50.00	0	2066	0	426+50.00	0	2224	0	450+50.00	0	816	0		
379+00.00	0	2518	0	403+00.00	0	2080	0	427+00.00	0	2201	0	451+00.00	0	776	0		
379+50.00	0	2394	0	403+50.00	0	1994	0	427+50.00	0	2180	0	451+50.00	0	815	0		
380+00.00	0	2429	0	404+00.00	0	1920	0	428+00.00	0	2169	0	452+00.00	0	888	0		
380+50.00	0	2628	0	404+50.00	0	1834	0	428+50.00	0	2164	0	452+50.00	0	1027	0		
381+00.00	0	2771	0	405+00.00	0	1838	0	429+00.00	0	2142	0	453+00.00	0	1266	0		
381+50.00	0	2367	0	405+50.00	0	1837	0	429+50.00	0	2089	0	453+50.00	0	1500	0		
382+00.00	0	1970	0	406+00.00	0	1833	0	430+00.00	0	2013	0	454+00.00	0	1526	0		
382+50.00	0	1960	0	406+50.00	0	1814	0	430+50.00	0	1921	0	454+50.00	0	1372	0		
				407+00.00	0	1768	0	431+00.00	0	1831	0	455+00.00	0	1197	0		
Station	Uncl. Exc.	Embt	Undercut	407+50.00	0	1704	0	431+50.00	0	1772	0	455+50.00	0	1036	3		
				408+00.00	0	1660	0	432+00.00	0	1744	0	456+00.00	0	911	18		
L	(cu. yd.)	(cu. yd.)	(cu. yd.)	408+50.00	0	1584	0	432+50.00	0	1888	0	456+50.00	0	779	66		
382+50.00	0	0	0	409+00.00	0	1499	0	433+00.00	0	2059	0	457+00.00	0	787	72		
383+00.00	0	1962	0	409+50.00	0	1452	0	433+50.00	0	1889	0	457+50.00	0	1003	33		
383+50.00	0	1972	0	410+00.00	0	1418	0	434+00.00	0	1655	0	458+00.00	0	1442	364		

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

<b>PROJ. REFERENCE NO.</b>	<b>SHEET NO.</b>
R-1015	X-1E

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

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

## CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut
L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	(cu. yd.)
458+50.00	0	1882	737	482+00.00	0	1292	0	507+50.00	0	0	0	533+50.00	118	531	0
459+00.00	0	1918	600	482+50.00	0	1312	0	508+00.00	0	15822	0	534+00.00	78	641	0
459+50.00	0	1744	293	483+00.00	0	1294	0	508+50.00	0	17009	0	534+50.00	32	650	0
460+00.00	0	1480	99	483+50.00	0	1303	0	509+00.00	0	18746	0	535+00.00	41	739	0
460+50.00	0	1243	0	484+00.00	0	1362	0	509+50.00	0	21452	0	535+50.00	41	898	0
461+00.00	0	1300	0	484+50.00	0	1317	0	510+00.00	0	24620	970	536+00.00	32	974	0
461+50.00	0	1359	0	485+00.00	0	1237	0	510+50.00	0	22082	817	536+50.00	33	1041	0
462+00.00	0	1384	0	485+50.00	0	1226	0	511+00.00	0	18566	966	537+00.00	34	1099	0
462+50.00	0	1538	0	486+00.00	0	1240	0	511+50.00	0	19105	1499	537+50.00	24	1186	0
463+00.00	0	1801	0	486+50.00	0	1221	0	512+00.00	0	19098	1070	538+00.00	20	1300	0
463+50.00	0	2049	0	487+00.00	0	1204	0	512+50.00	0	19445	560	538+50.00	27	1596	0
464+00.00	0	2156	0	487+50.00	0	1157	0	513+00.00	0	19795	393	539+00.00	25	1841	0
464+50.00	0	2176	0	488+00.00	0	1039	0	513+50.00	0	19702	308	539+50.00	15	1835	0
464+72.00	0	1089	0	488+50.00	0	906	0	514+00.00	0	19369	228	540+00.00	4	1767	0
465+00.00	0	1283	0	489+00.00	0	886	0	514+50.00	0	18468	0	540+50.00	4	1756	0
465+50.00	0	1667	0	489+50.00	0	944	0	515+00.00	0	17528	0	541+00.00	8	1812	0
466+00.00	0	1388	0	490+00.00	0	978	0	515+19.53	0	6475	0	541+50.00	9	1828	0
466+50.00	0	1227	0	490+50.00	0	1037	0	515+45.80	0	7865	0	542+00.00	9	1847	0
467+00.00	0	1215	0	491+00.00	0	1183	0					542+50.00	8	1870	0
467+50.00	0	1244	0	491+50.00	0	1406	0	Station	Uncl. Exc.	Embt	Undercut	543+00.00	16	1874	0
468+00.00	0	1269	0	492+00.00	0	1628	0	L	(cu. yd.)	(cu. yd.)	(cu. yd.)	543+50.00	22	1858	0
468+50.00	0	1301	0	492+50.00	0	1788	0					544+00.00	32	1781	0
469+00.00	0	1531	0	493+00.00	0	1869	0	518+07.32	0	0	0	544+50.00	44	1644	0
469+50.00	3	2000	0	493+50.00	0	1797	0	518+39.12	0	6939	0	545+00.00	42	1495	0
470+00.00	10	2467	0	494+00.00	0	1456	0	519+00.00	0	13908	0	545+50.00	51	1294	0
470+50.00	7	2757	0	494+50.00	0	1108	22	519+50.00	0	11150	0	546+00.00	65	1062	0
471+00.00	0	2570	0	495+00.00	0	946	34	520+00.00	0	10399	0	546+50.00	71	822	0
471+50.00	0	2157	0	495+50.00	0	923	20	520+50.00	0	9331	0	547+00.00	77	577	0
472+00.00	0	2111	0	496+00.00	0	1054	0	521+00.00	0	8117	0	547+50.00	77	404	0
472+50.00	0	2359	0	496+50.00	0	1248	0	521+50.00	0	7176	0	548+00.00	98	306	0
				497+00.00	0	2009	0	522+00.00	0	8052	0				
Station	Uncl. Exc.	Embt	Undercut	497+50.00	0	2703	0	522+50.00	0	9064	0	Station	Uncl. Exc.	Embt	Undercut
L	(cu. yd.)	(cu. yd.)	(cu. yd.)	498+00.00	0	2645	0	523+00.00	0	8517	0	L	(cu. yd.)	(cu. yd.)	(cu. yd.)
				498+50.00	0	2563	0	523+50.00	0	7719	0				
472+50.00	0	0	0	499+00.00	0	2687	0	524+00.00	0	6784	0	548+00.00	0	0	0
473+00.00	0	2427	0	499+50.00	0	2950	0	524+50.00	0	5863	0	548+50.00	134	242	0
473+50.00	0	2239	0	500+00.00	0	3348	0	525+00.00	0	4909	0	549+00.00	145	228	0
474+00.00	0	2063	0	500+50.00	0	3896	0	525+50.00	0	3981	0	549+50.00	141	249	0
474+50.00	0	1995	0	501+00.00	0	4461	0	526+00.00	0	3250	0	550+00.00	137	276	0
475+00.00	0	2046	0	501+50.00	0	4947	0	526+50.00	31	2677	0	550+50.00	123	281	2
475+50.00	0	2068	0	502+00.00	0	5343	0	527+00.00	69	2160	0	551+00.00	109	281	1
476+00.00	0	2046	0	502+50.00	0	5713	0	527+50.00	75	1741	0	551+50.00	97	279	3
476+50.00	0	1995	0	503+00.00	0	6142	0	528+00.00	61	1427	25	552+00.00	85	283	5
477+00.00	0	1912	0	503+50.00	0	6672	0	528+50.00	42	1101	92	552+50.00	81	297	3
477+50.00	0	1842	0	504+00.00	0	7335	0	529+00.00	61	794	393	553+00.00	62	279	3
478+00.00	0	1768	0	504+50.00	0	8070	0	529+50.00	74	572	125	553+50.00	41	269	3
478+50.00	0	1662	0	504+56.80	0	1154	0	530+00.00	50	431	116	554+00.00	33	297	3
479+00.00	0	1577	0	505+00.00	0	7571	0	530+50.00	42	326	109	554+50.00	30	330	5
479+50.00	0	1556	0					531+00.00	53	286	110	555+00.00	31	343	3
480+00.00	0	1569	0					531+50.00	77	291	0	555+50.00	33	341	1
480+50.00	0	1524	0					532+00.00	100	290	0	556+00.00	29	348	0
481+00.00	0	1464	0					532+50.00	103	306	0	556+50.00	24	331	0
481+50.00	0	1373	0					533+00.00	106	394	0	557+00.00	16	440	0





**STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS**

<b>PROJ. REFERENCE NO.</b>	<b>SHEET NO.</b>
R-1015	X-1G

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

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

**CROSS-SECTION SUMMARY**

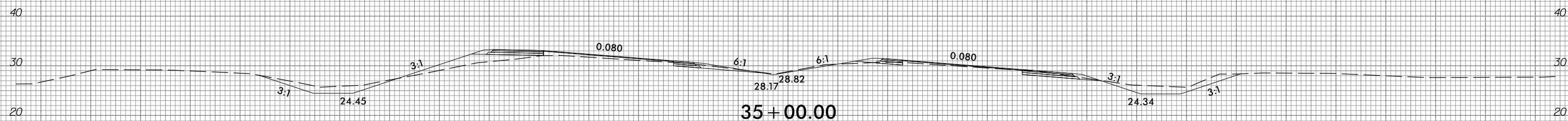
Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut	Station	Uncl. Exc.	Embt	Undercut		
																RP1CD	(cu. yd.)
8+00.000000	36	1621	0	35+00.000000	0	0	0	61+50.000000	0	1622	0	6+41.918719	0	0	0		
8+50.000000	47	1549	0	35+50.000000	22	6	109	62+00.000000	39	1181	0	6+89.462218	0	4713	0		
9+00.000000	55	1467	0	36+00.000000	19	11	114	62+50.000000	76	850	0	7+36.883834	0	4749	0		
9+50.000000	57	1386	0	36+50.000000	18	18	86	63+00.000000	74	610	0	7+84.067052	0	4772	0		
10+00.000000	69	1277	0	37+00.000000	15	23	58	63+50.000000	71	410	0	8+00.000000	0	1615	0		
10+50.000000	74	1147	0	37+50.000000	13	29	57	64+00.000000	83	233	0	8+50.000000	0	5170	0		
11+00.000000	179	1006	0	38+00.000000	12	31	48	64+50.000000	91	117	0	9+00.000000	0	5231	0		
11+50.000000	293	884	0	38+50.000000	11	30	40	65+00.000000	80	54	0	9+50.000000	0	5194	0		
12+00.000000	310	806	0	39+00.000000	12	28	39	65+50.000000	62	35	0	10+00.000000	0	5132	0		
12+50.000000	322	731	0	39+50.000000	16	27	29	66+00.000000	52	45	0	10+50.000000	0	4941	0		
13+00.000000	341	664	0	40+00.000000	23	26	0	66+50.000000	69	48	40	11+00.000000	0	4689	0		
13+50.000000	352	600	0	40+50.000000	35	34	0	67+00.000000	66	54	48	11+50.000000	0	4459	0		
14+00.000000	359	501	0	41+00.000000	43	85	0	67+50.000000	60	58	51	12+00.000000	0	4270	0		
14+50.000000	365	389	0	41+50.000000	31	192	0	68+00.000000	59	46	53	12+50.000000	0	4267	0		
15+00.000000	353	307	0	42+00.000000	15	375	0	68+50.000000	45	35	54	13+00.000000	0	4385	0		
15+50.000000	352	208	0	42+50.000000	10	612	0	69+00.000000	39	31	79	13+50.000000	0	4299	0		
16+00.000000	351	134	0	43+00.000000	14	895	0	69+50.000000	31	31	106	14+00.000000	0	3969	0		
16+50.000000	339	109	0	43+50.000000	18	1264	0	70+00.000000	29	30	108	14+50.000000	0	3656	0		
17+00.000000	331	85	0	44+00.000000	16	1721	0	70+50.000000	30	25	110	15+00.000000	0	3435	0		
17+50.000000	331	60	0	44+50.000000	10	2181	0	71+00.000000	29	24	110	15+50.000000	0	3268	0		
18+00.000000	325	38	0	45+00.000000	6	2569	0	71+50.000000	28	25	109	16+00.000000	0	3146	0		
18+50.000000	306	22	0	45+50.000000	7	3017	0	72+00.000000	34	22	112	16+50.000000	0	3039	0		
19+00.000000	297	15	0	46+00.000000	5	3141	0	72+50.000000	40	21	116	17+00.000000	0	2999	0		
19+50.000000	293	16	0	46+50.000000	0	2514	0	73+00.000000	49	23	114	17+50.000000	0	3031	0		
20+00.000000	288	21	0	47+00.000000	0	3116	0	73+50.000000	44	18	112	18+00.000000	0	3045	0		
20+50.000000	293	26	0	47+50.000000	6	4322	0					18+50.000000	0	3019	0		
21+00.000000	302	33	0	48+00.000000	18	4655	0	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	<b>Undercut</b>	18+99.999999	0	2997	0		
21+50.000000	307	41	0	48+50.000000	27	5073	0					19+49.999999	0	3539	0		
22+00.000000	309	47	0	49+00.000000	31	5451	0					20+06.959999	0	5239	0		
22+50.000000	314	56	0	49+50.000000	28	5840	0										
23+00.000000	320	61	0	50+00.000000	23	6265	0	7+50.000000	0	0	0	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	<b>Undercut</b>		
23+50.000000	326	64	0	50+50.000000	11	6675	0	8+00.000000	0	481	0						
24+00.000000	315	61	0	51+00.000000	0	7058	0	8+50.000000	0	544	0	<b>Y3RPC</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>	<b>(cu. yd.)</b>		
24+50.000000	317	54	0					9+00.000000	0	631	0						
25+00.000000	332	40	0	<b>Station</b>	<b>Uncl. Exc.</b>	<b>Embt</b>	<b>Undercut</b>	9+50.000000	0	740	0						
25+50.000000	341	26	0					10+00.000000	0	869	0						
26+00.000000	339	19	0					10+50.000000	0	1001	0						
26+50.000000	337	12	0					11+00.000000	0	1137	0						
27+00.000000	344	7	0	53+50.000000	0	0	0	11+50.000000	0	1272	0	10+27.15074	0	0	0		
27+50.000000	348	6	0	54+00.000000	0	8822	0	12+00.000000	0	1401	0	10+72.35088	0	4709	0		
28+00.000000	350	10	0	54+50.000000	0	8619	0	12+50.000000	0	1564	0	11+16.78478	0	4652	0		
28+50.000000	344	18	0	55+00.000000	0	8219	0	13+00.000000	0	1756	0	11+50.000000	0	3445	0		
28+95.27103	274	23	0	55+50.000000	0	7799	0	13+50.000000	0	1912	0	12+00.000000	0	5082	0		
29+48.09687	233	28	0	56+00.000000	0	7425	0	14+00.000000	0	2003	0	12+50.000000	0	4937	0		
29+99.68813	166	33	0	56+50.000000	0	6998	0	14+50.000000	0	2109	0	13+00.000000	0	4767	0		
30+51.01086	159	23	0	57+00.000000	0	6542	0	15+00.000000	0	2301	0	13+50.000000	0	4553	0		
31+01.74713	156	5	0	57+50.000000	0	6935	0	15+50.000000	0	2472	0	14+00.000000	0	4344	0		
31+52.16735	152	4	0	58+00.000000	0	7858	0	16+00.000000	0	2627	0	14+50.000000	0	4224	0		
32+02.82807	176	5	0	58+50.000000	0	5286	0	16+50.000000	0	2857	0	15+00.000000	0	4190	0		
32+53.24886	232	3	0	59+00.000000	0	2971	0	16+99.999999	0	3786	0	15+50.000000	0	4199	0		
				59+50.000000	0	3605	0	16+00.000000	0	2472	0	16+00.000000	0	4251	0		
				60+00.000000	0	3379	0	16+50.000000	0	2857	0	16+50.000000	0	4027	0		
				60+50.000000	0	2740	0	17+04.29000	0	4481	0	17+04.29000	0	4481	0		
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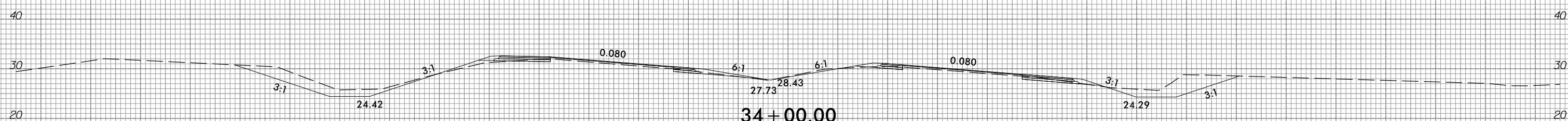
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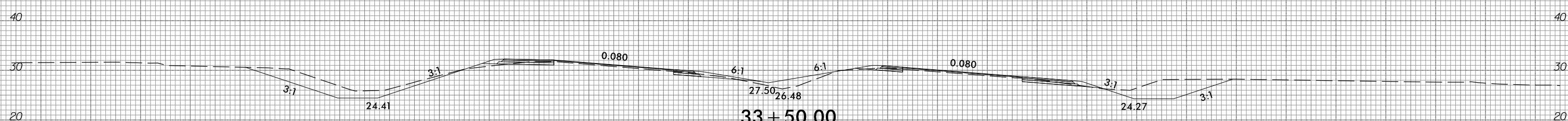
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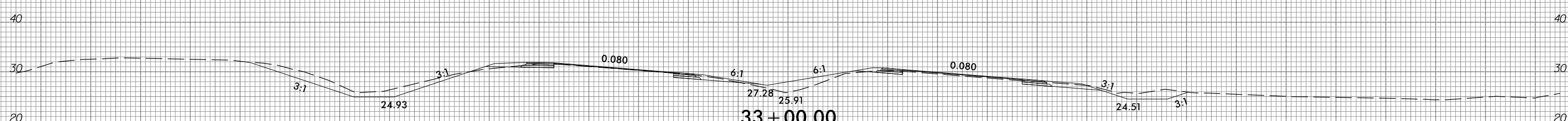
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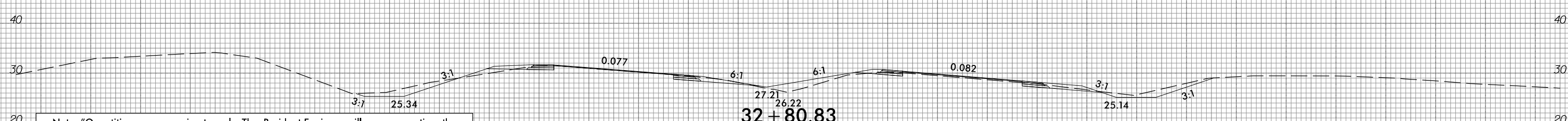
34 + 00.00



33 + 50.00



33 + 00.00



32 + 80.83

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."

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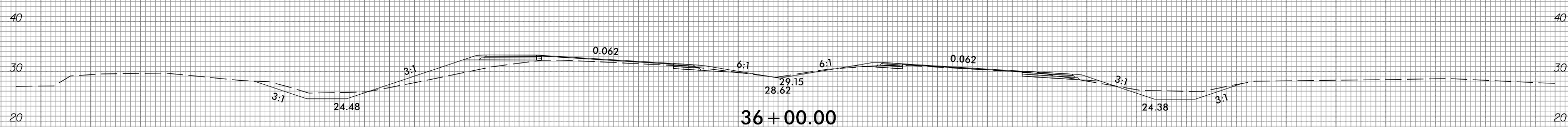
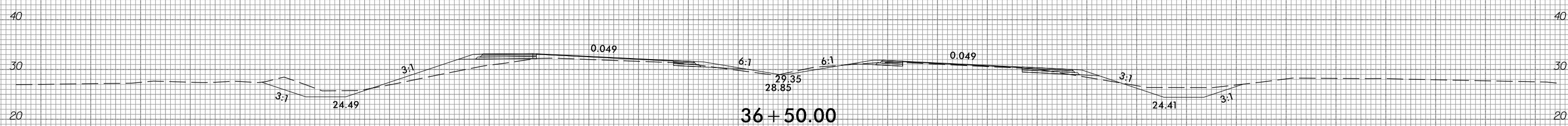
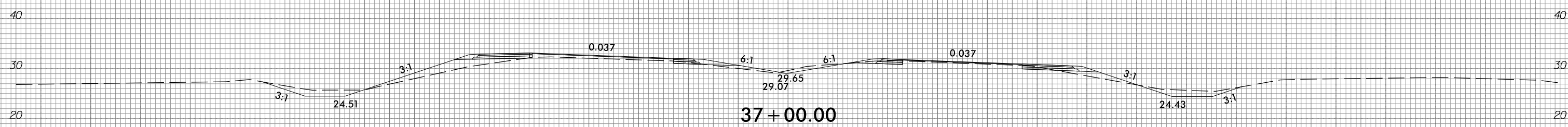
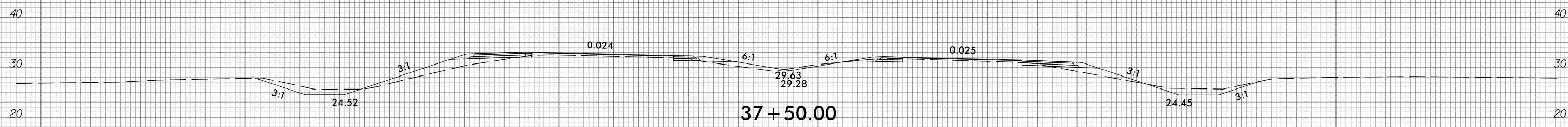
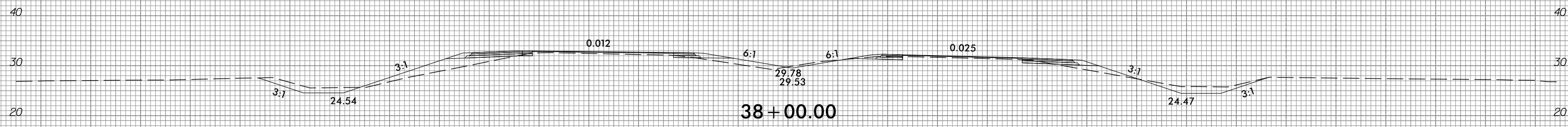
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-2

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

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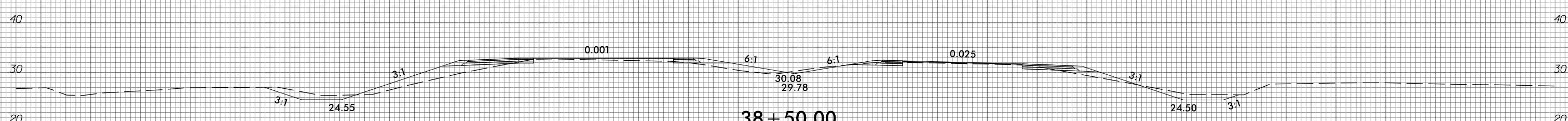
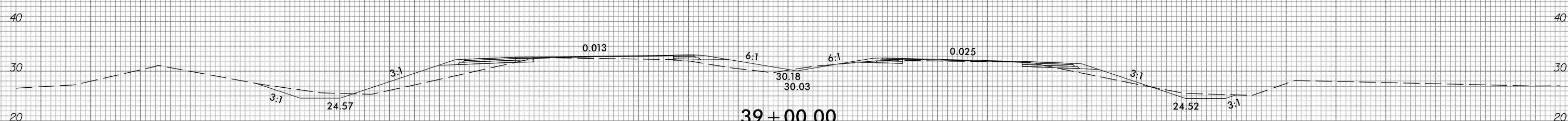
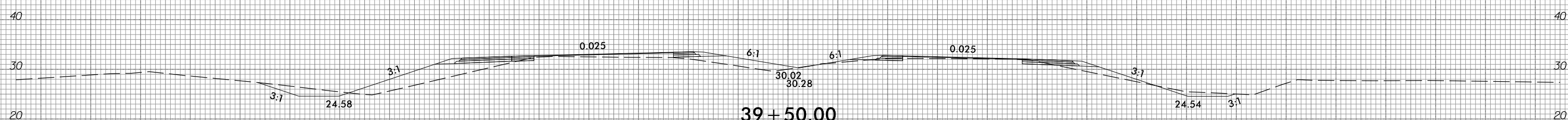
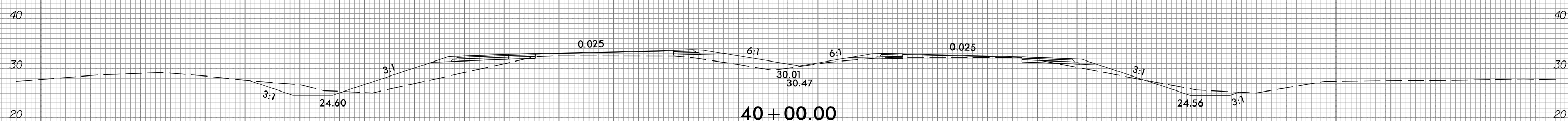
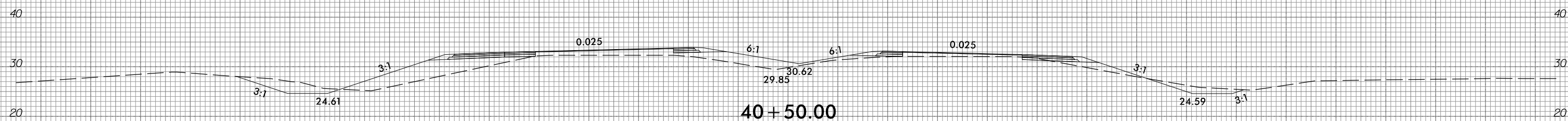
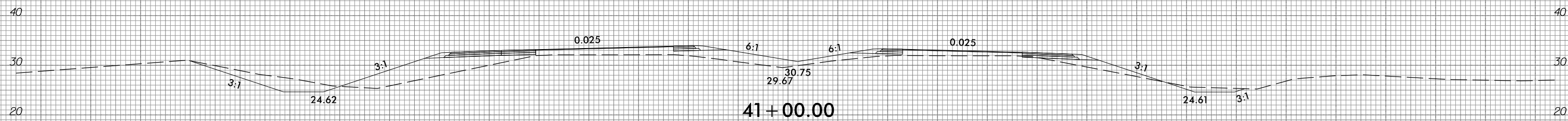
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-3

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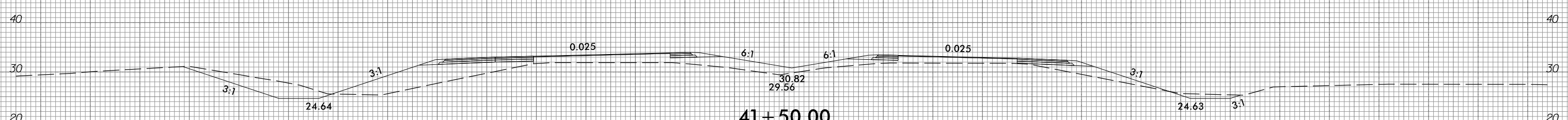
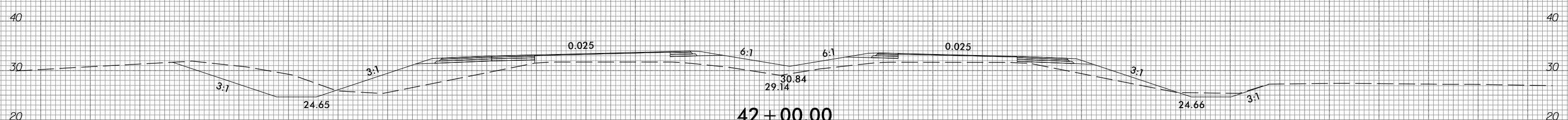
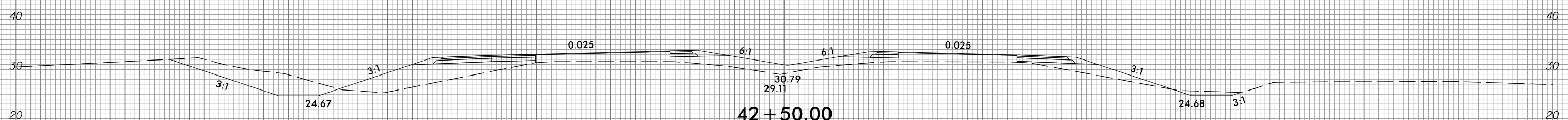
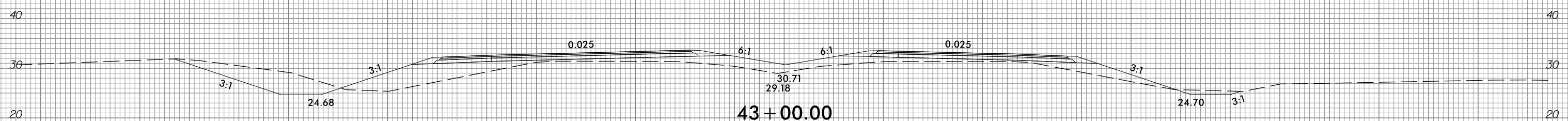
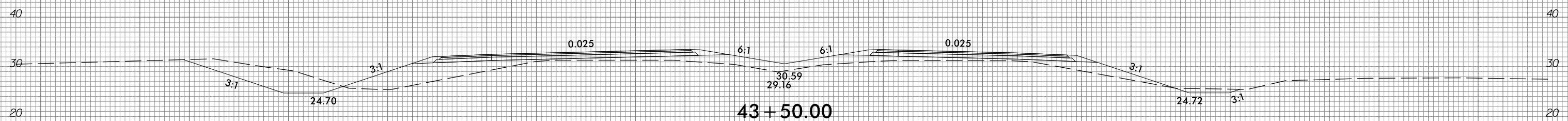
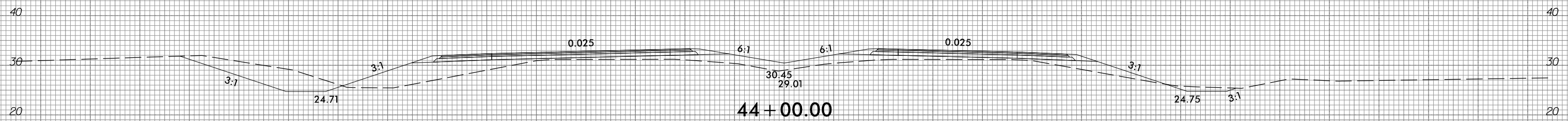
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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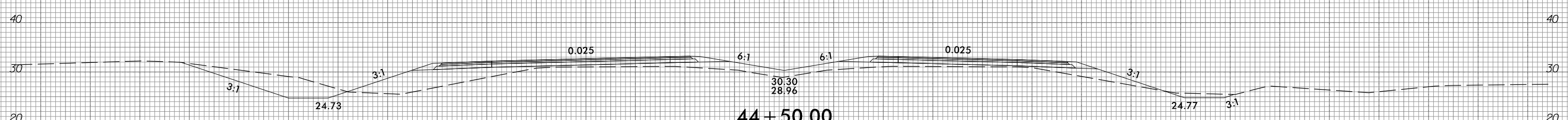
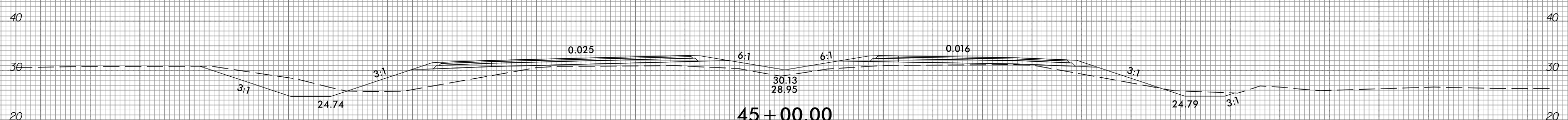
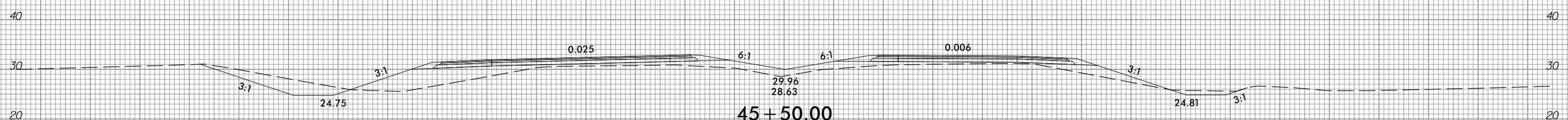
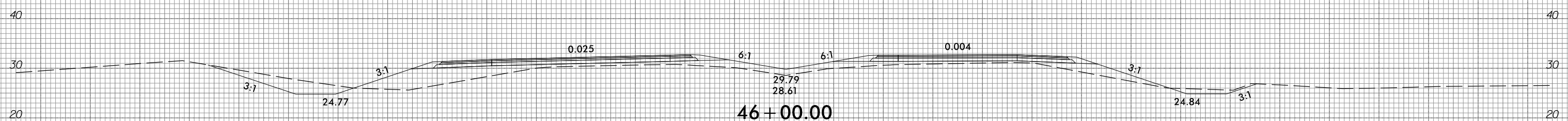
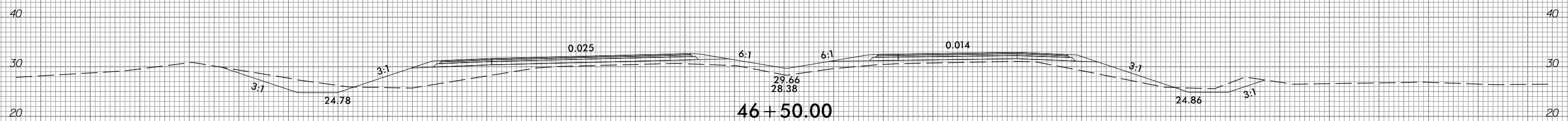
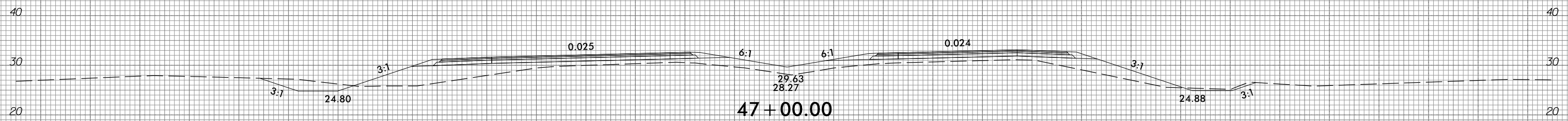
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-5

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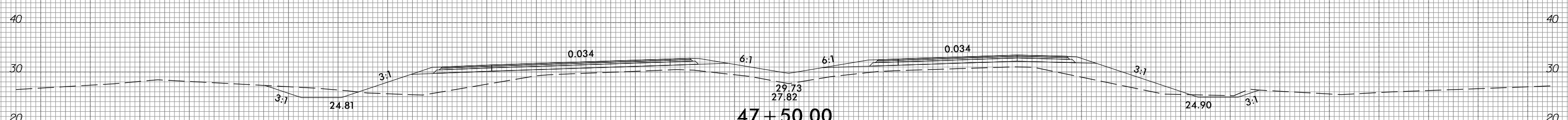
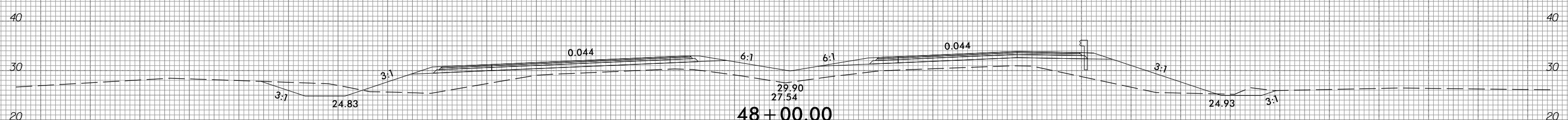
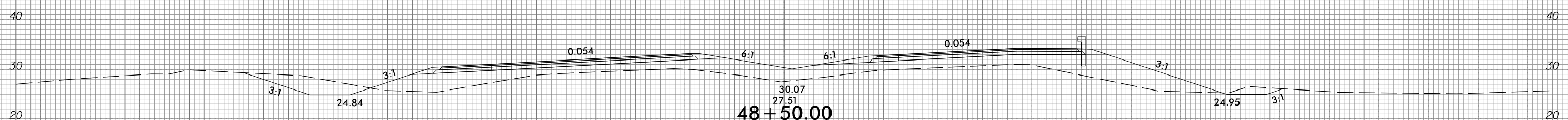
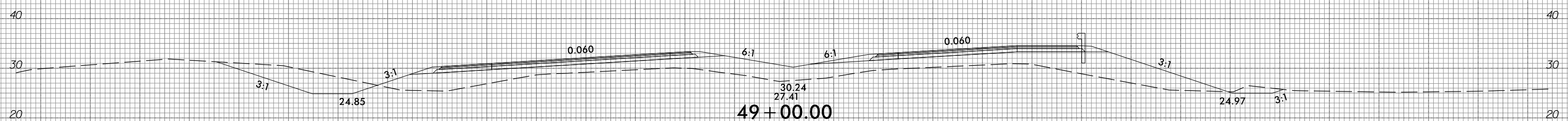
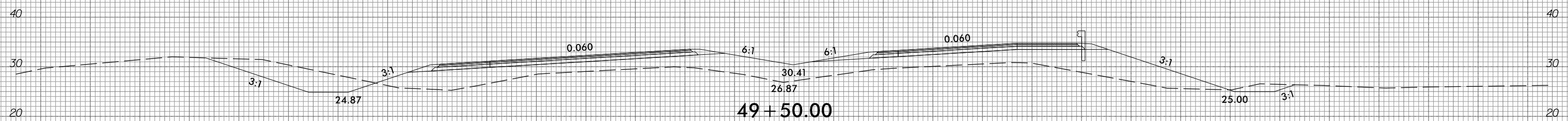
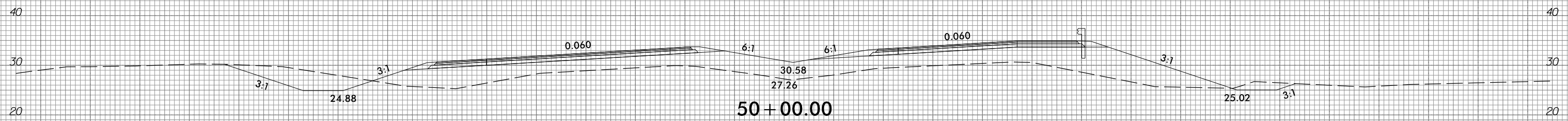
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-6

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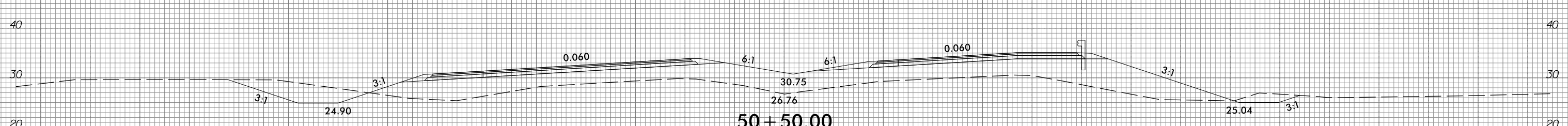
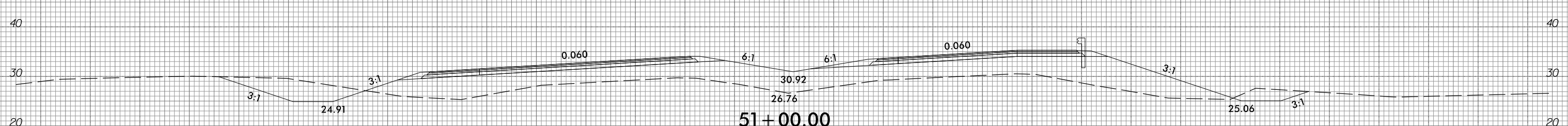
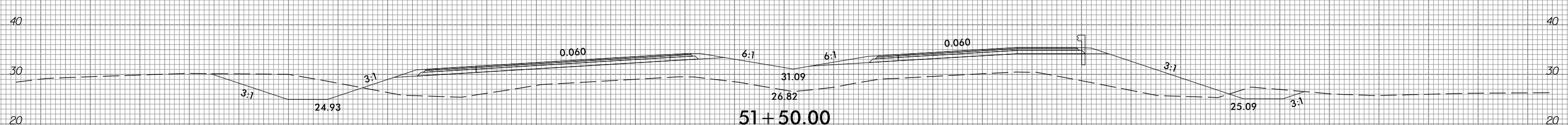
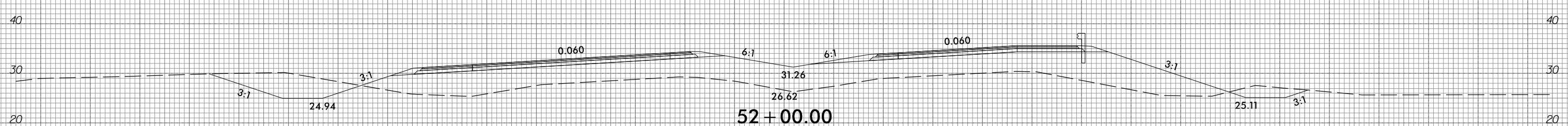
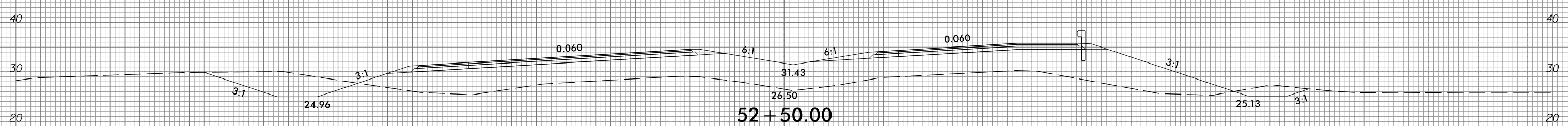
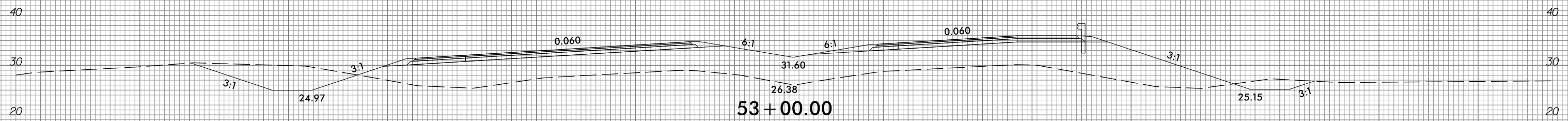
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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-7

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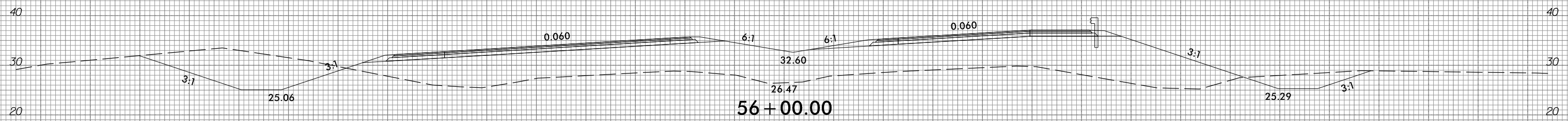
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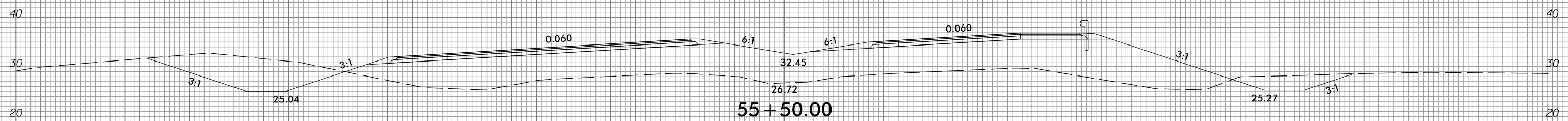
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-8

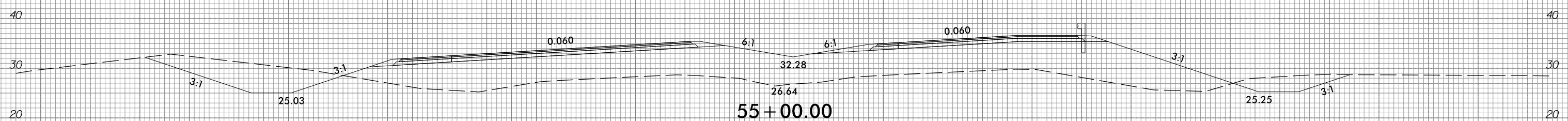
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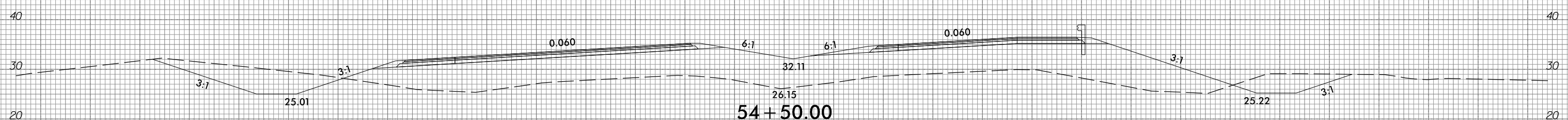
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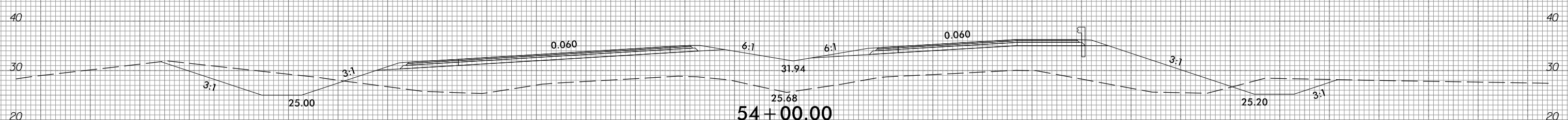
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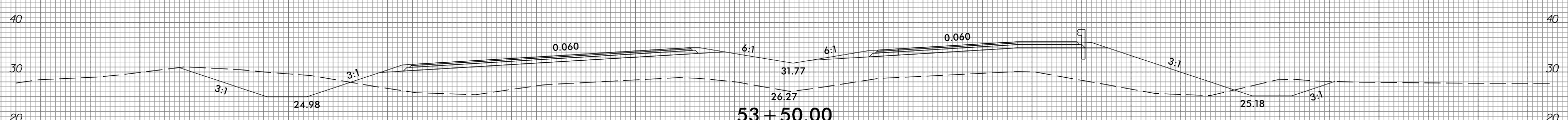
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54+50.00



54+00.00



53+50.00

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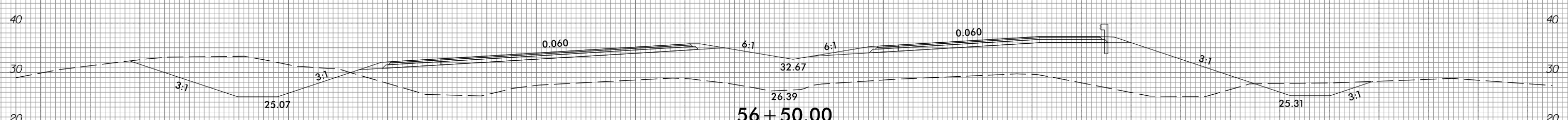
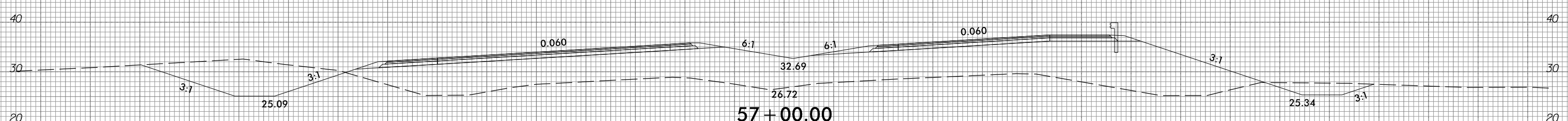
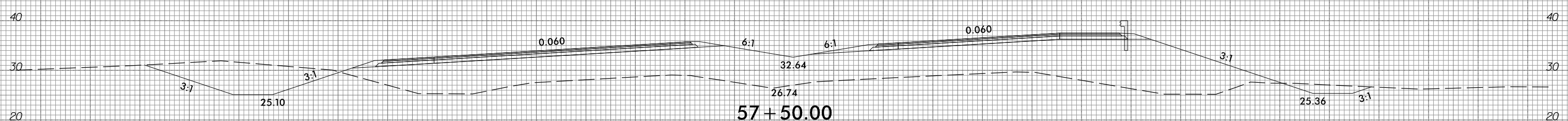
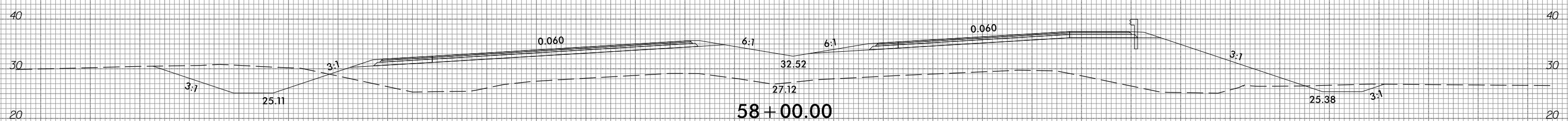
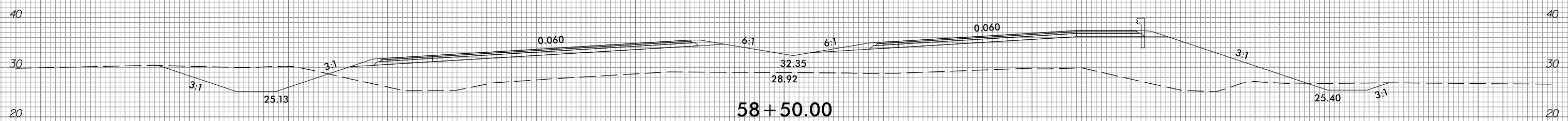
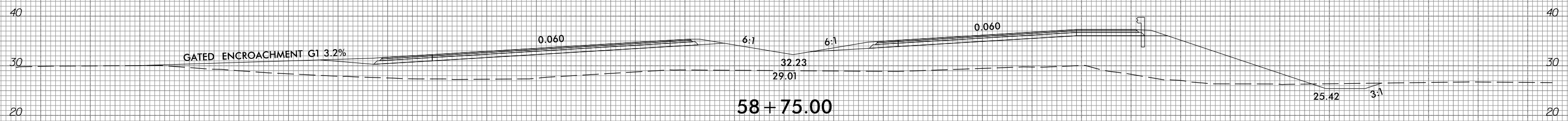
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-9

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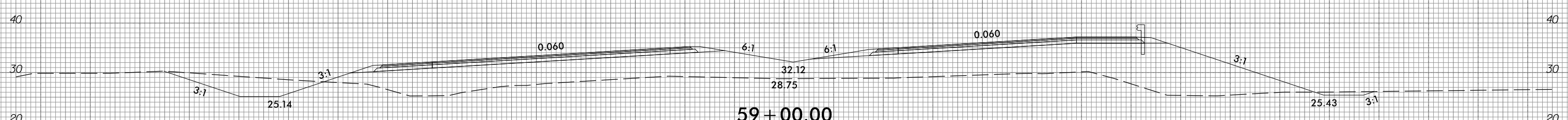
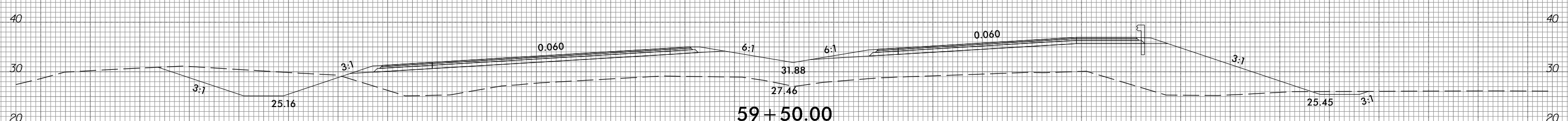
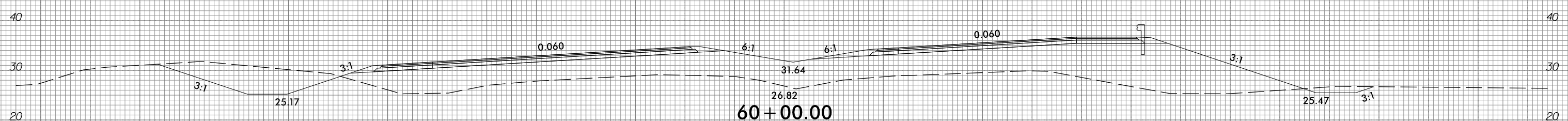
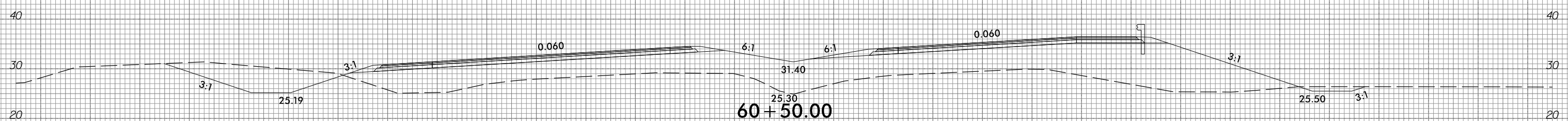
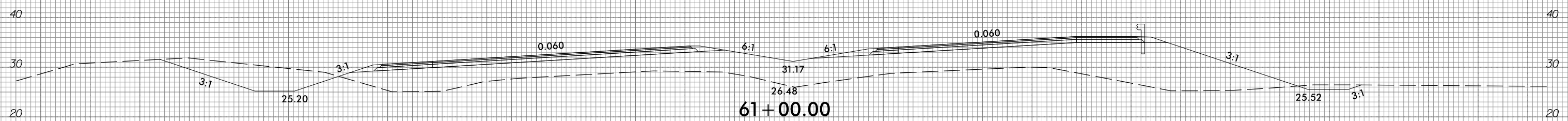
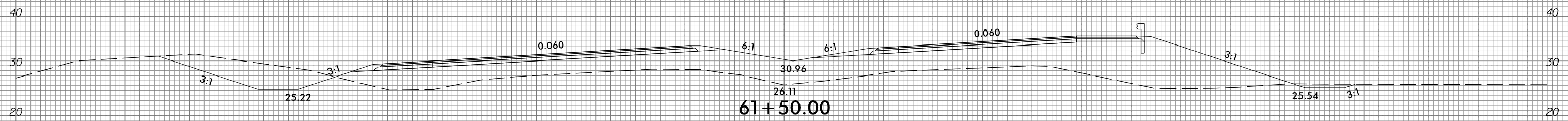
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-10

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



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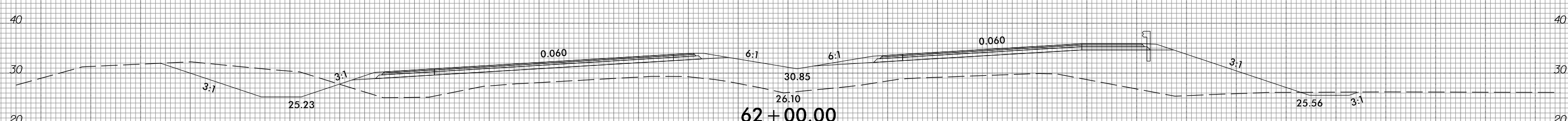
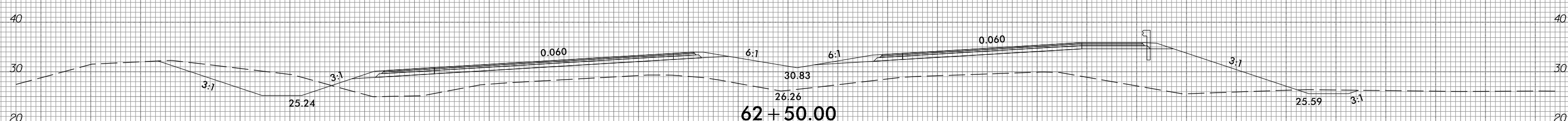
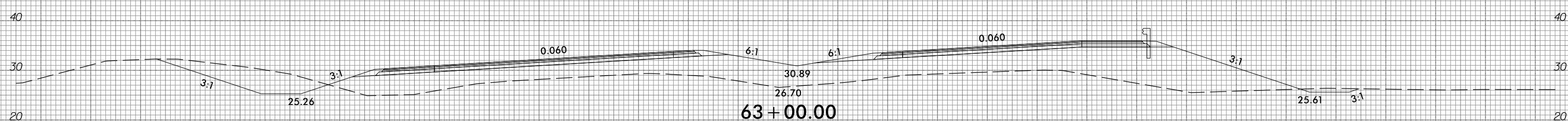
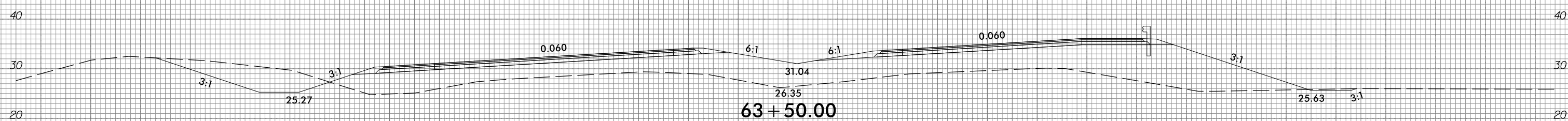
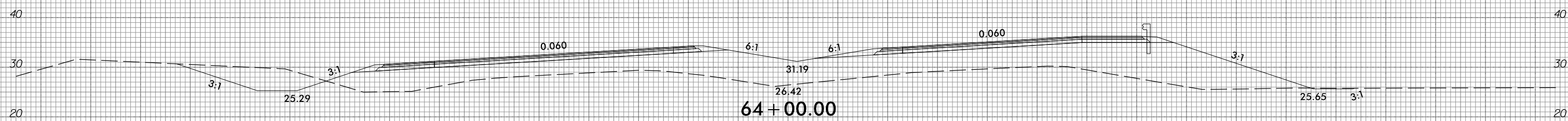
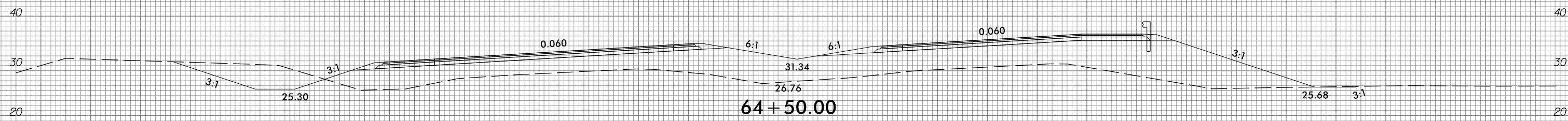
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-11

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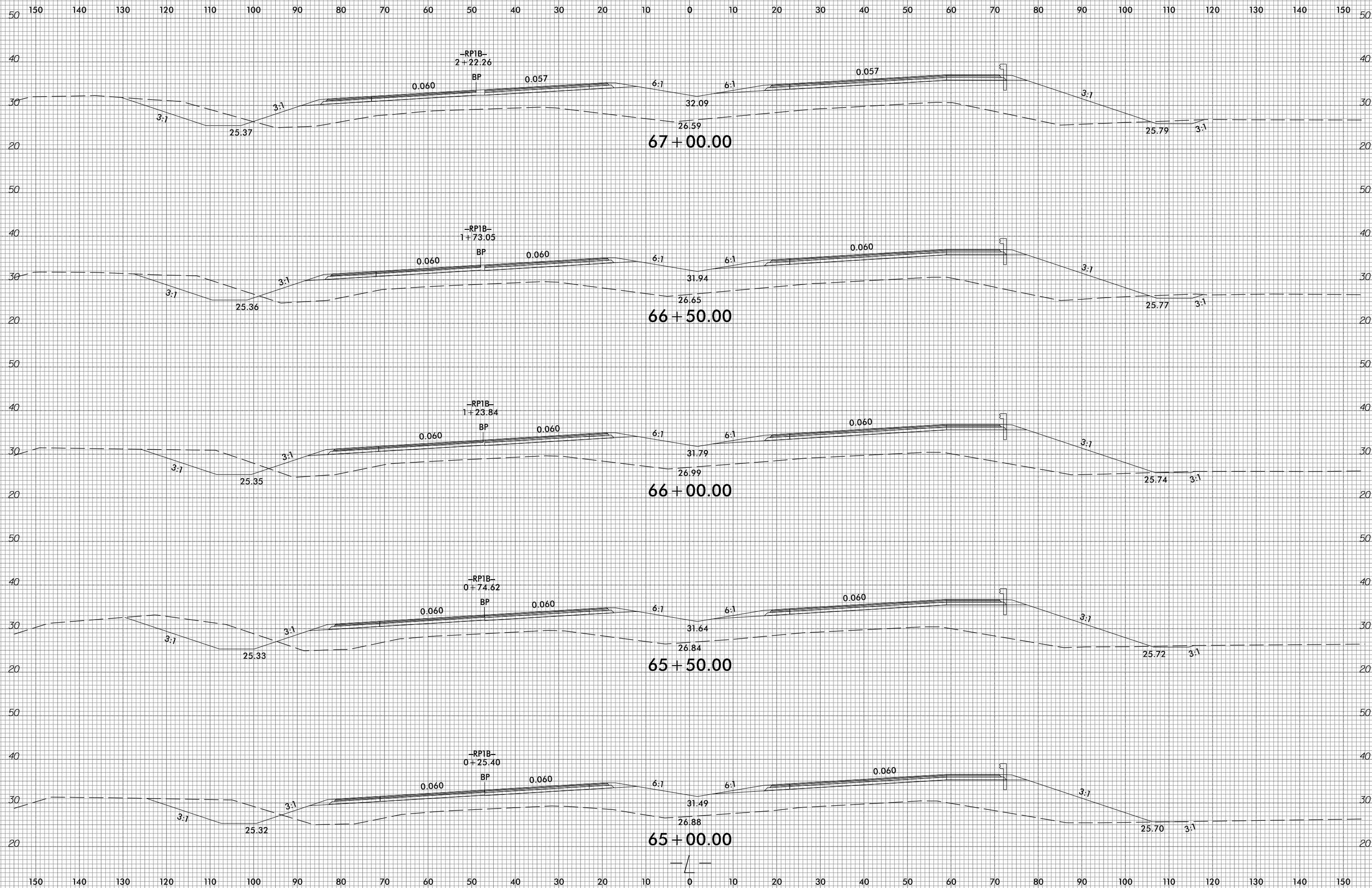


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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-12

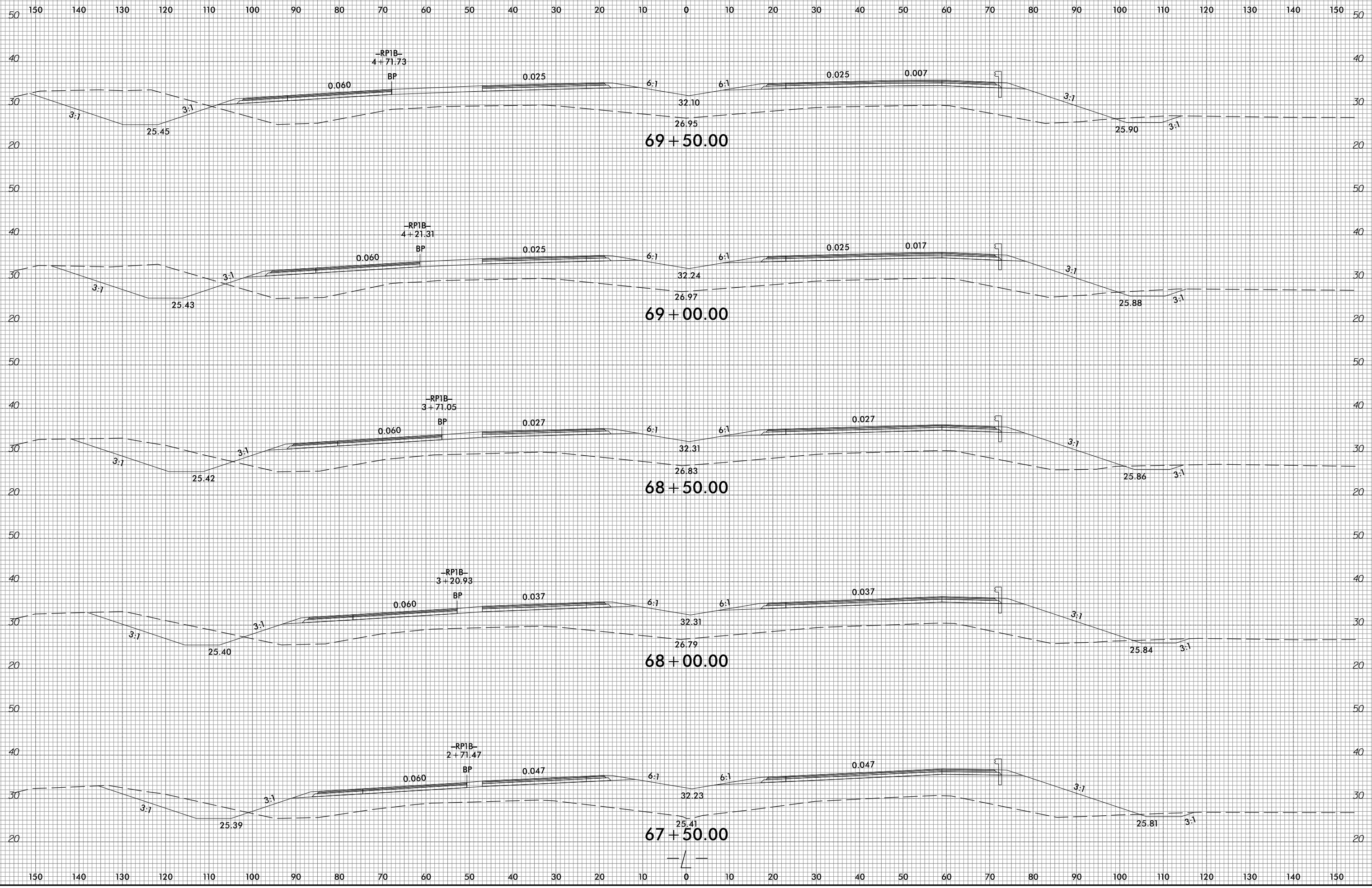


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R-1015	X-13



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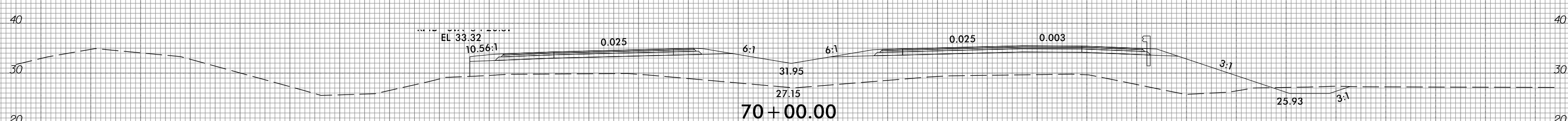
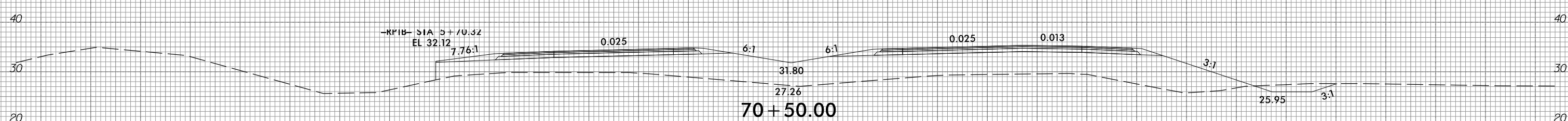
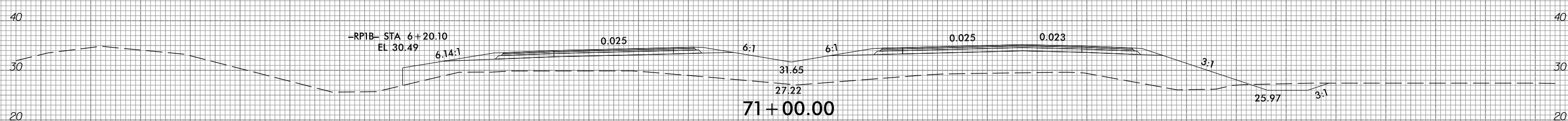
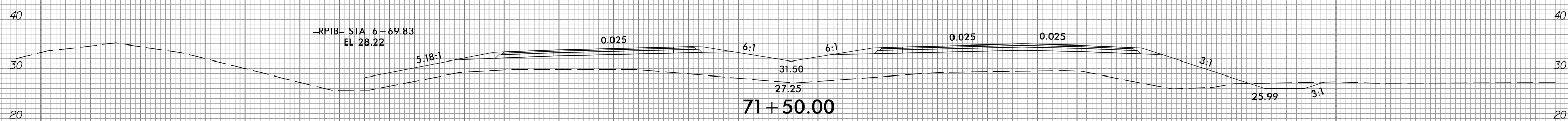
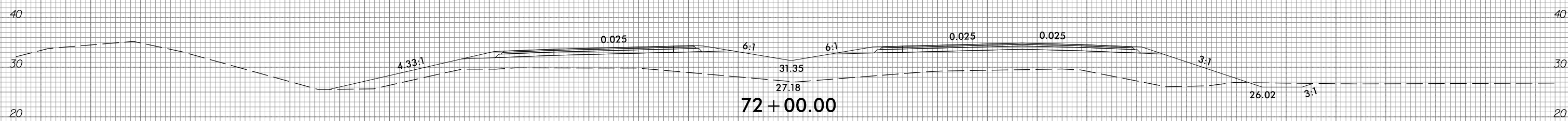
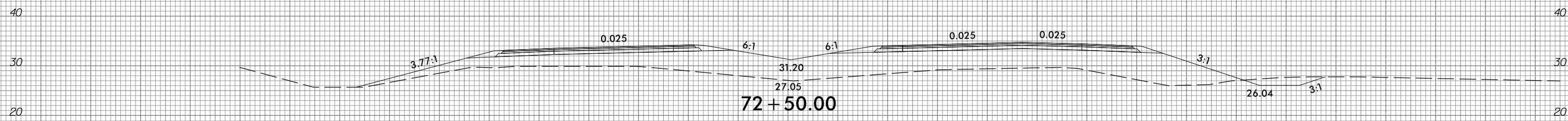
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-14

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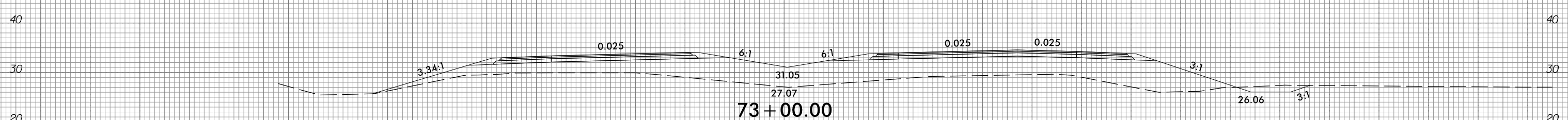
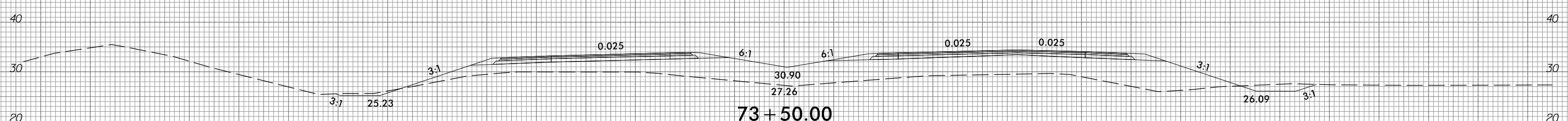
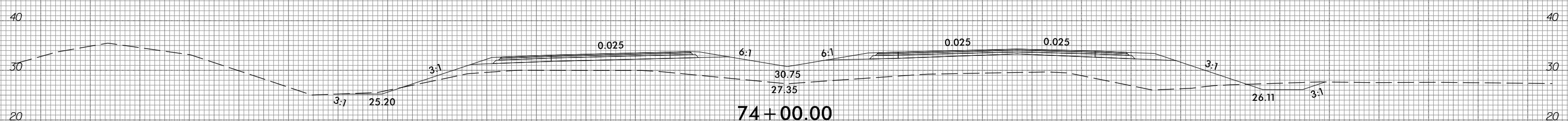
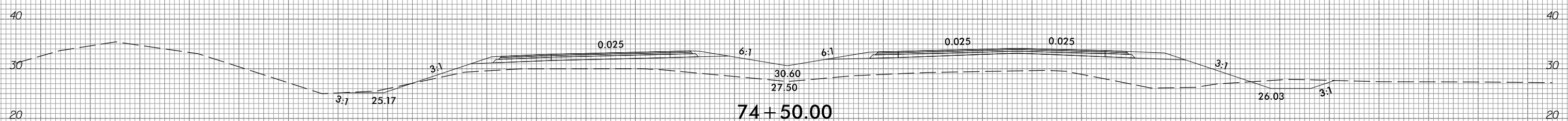
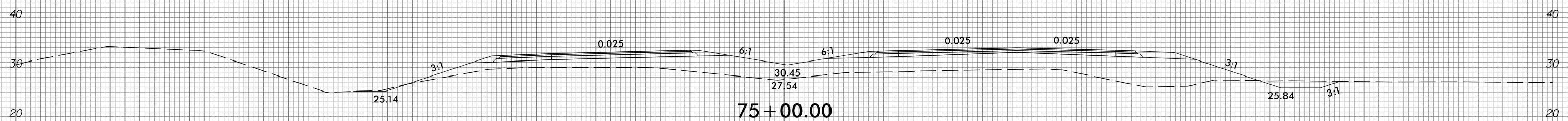
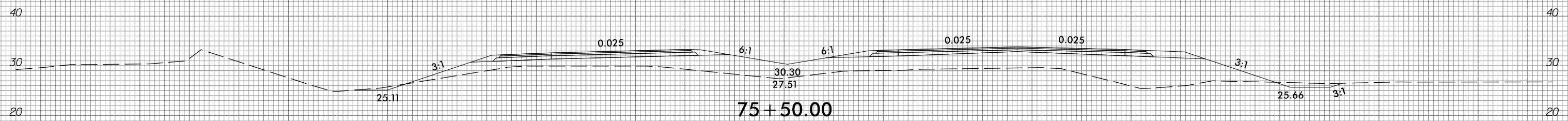
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-15

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

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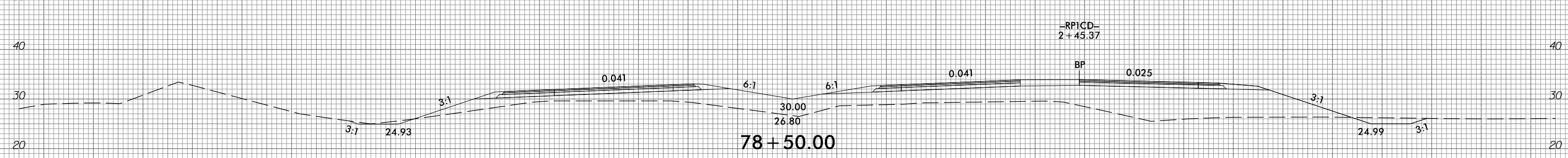
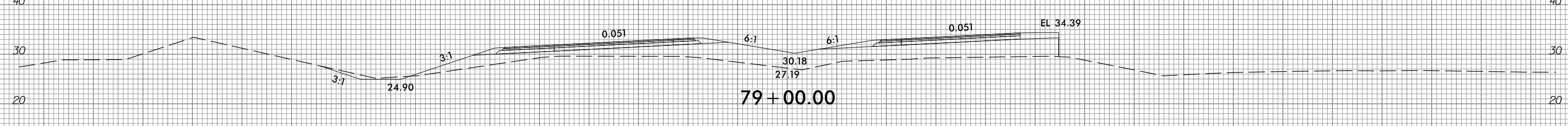
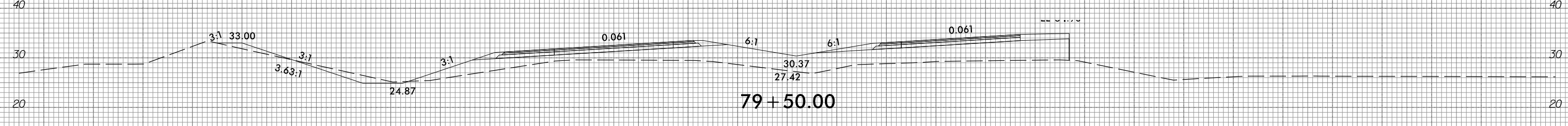
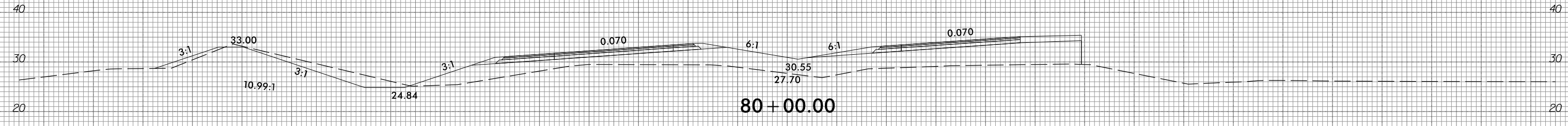
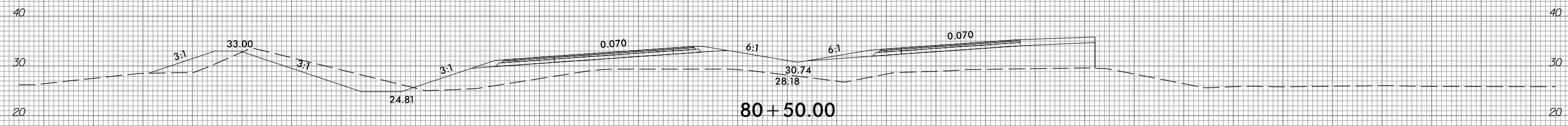
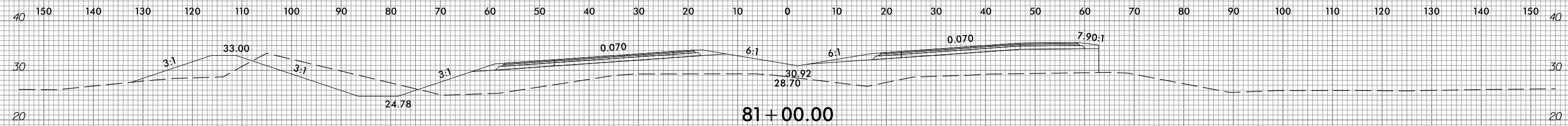


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SHEET NO.  
X-17



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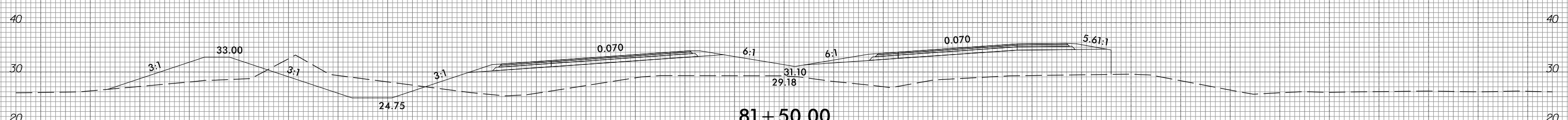
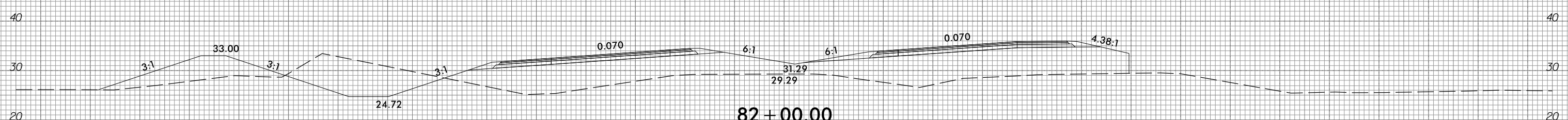
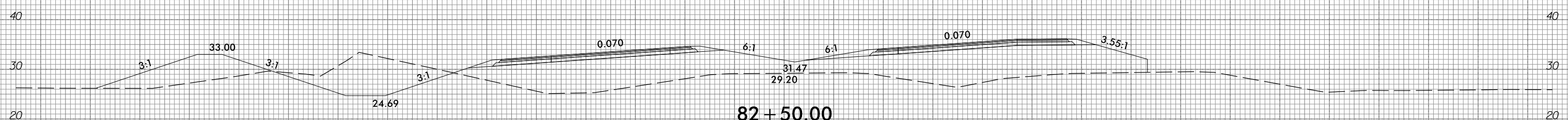
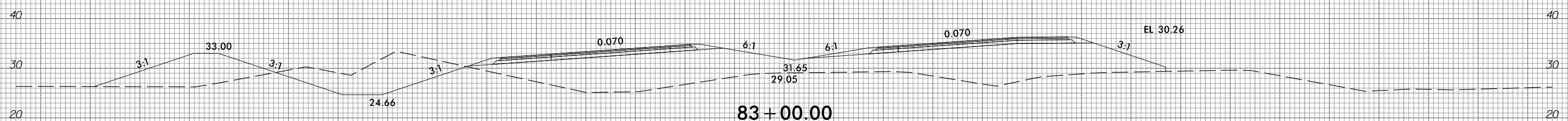
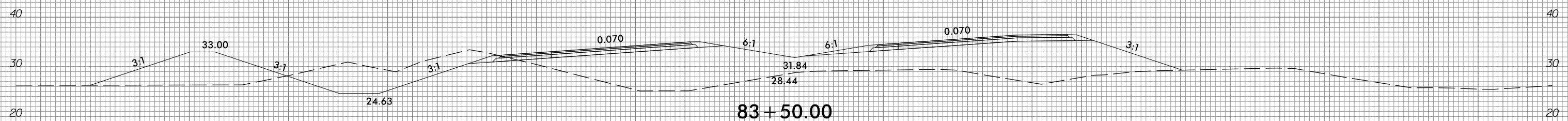
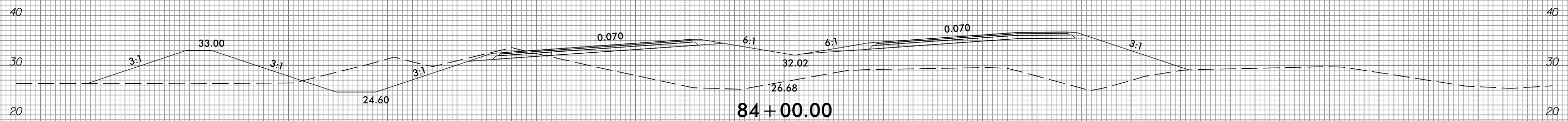
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-18

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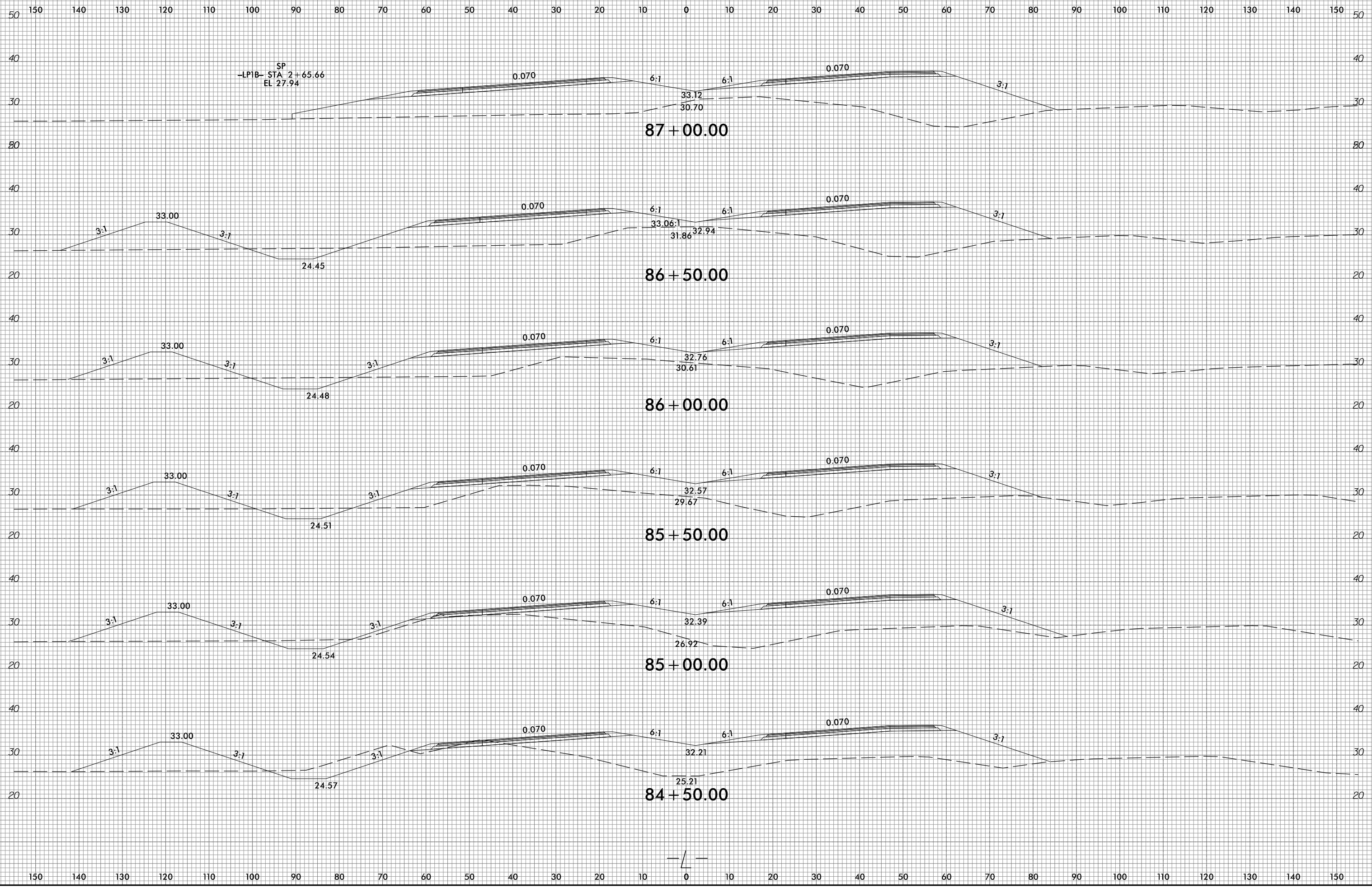
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-19



SP  
-LPIB- STA 2+65.66  
EL 27.94

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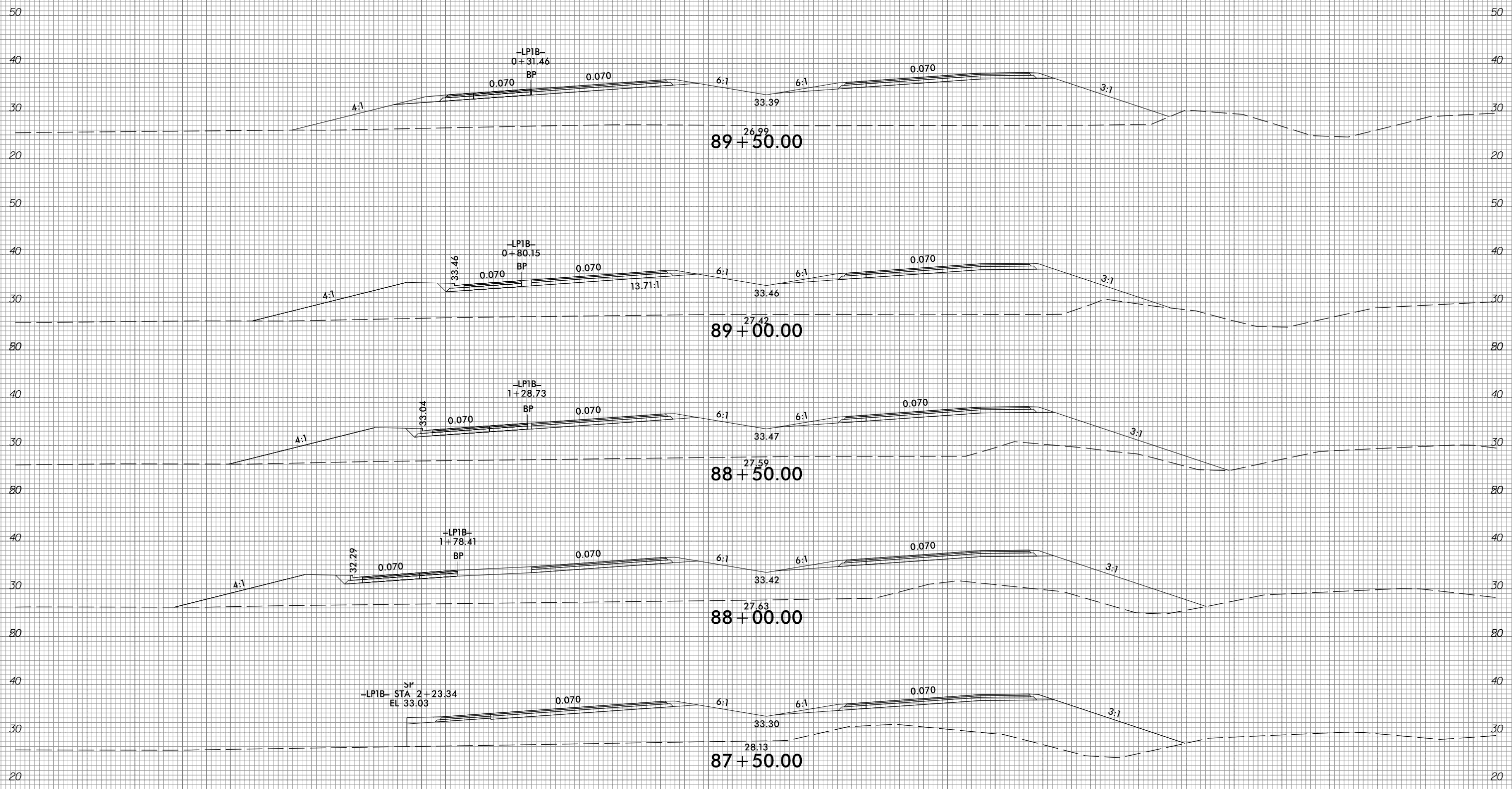
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-20

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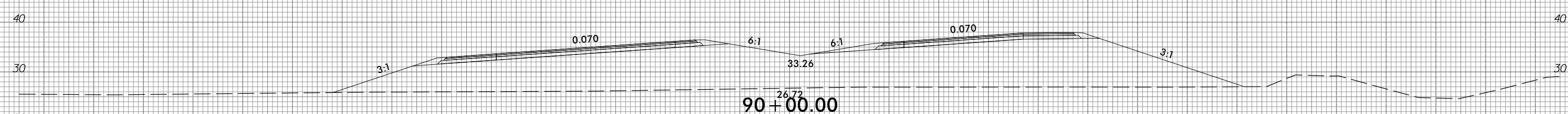
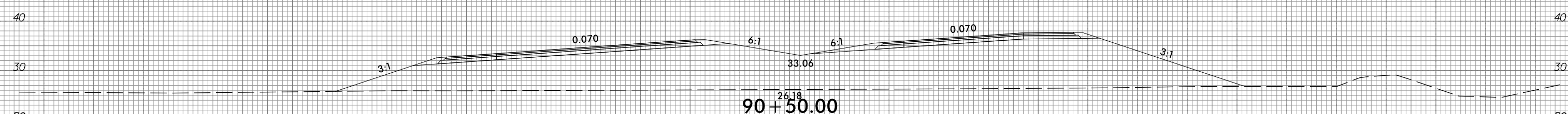
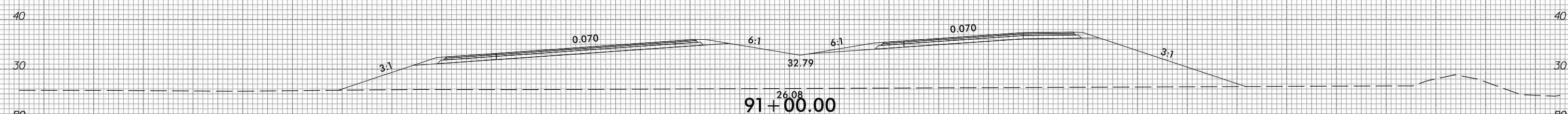
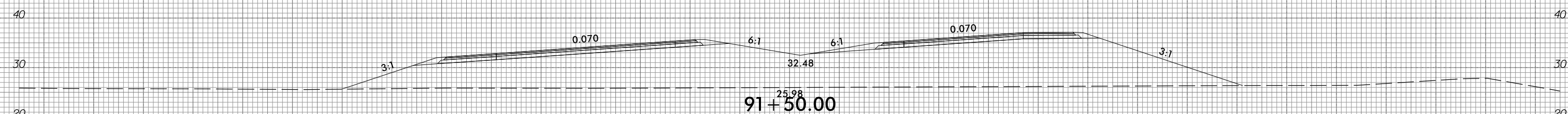
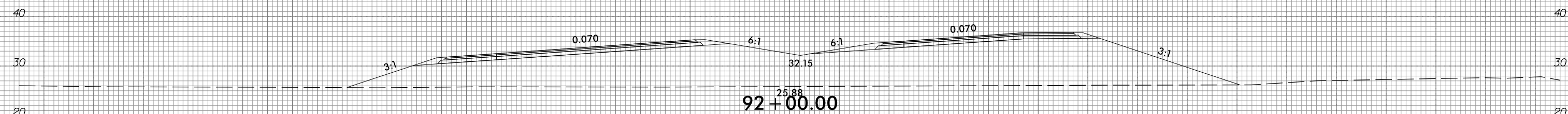
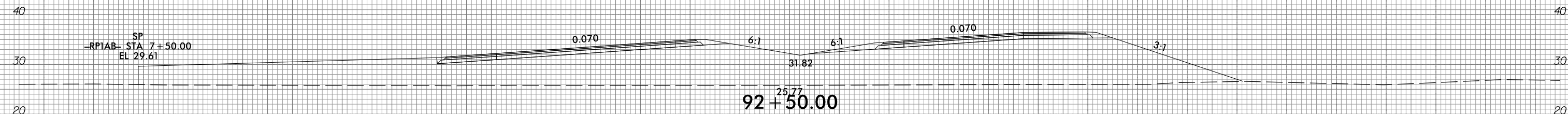


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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SP  
-RPIAB- STA 7+50.00  
EL 29.61



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

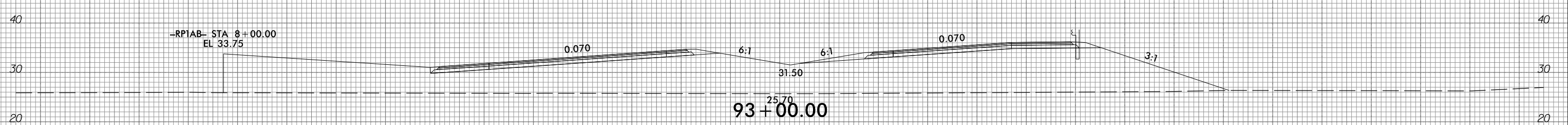
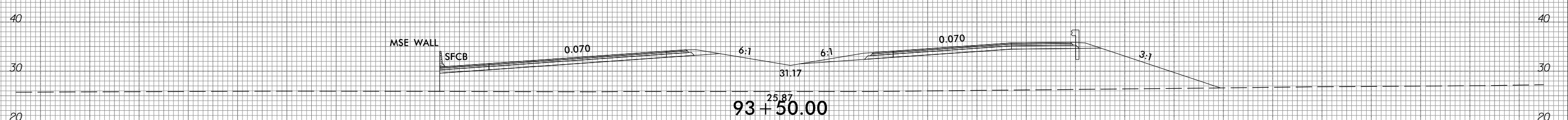
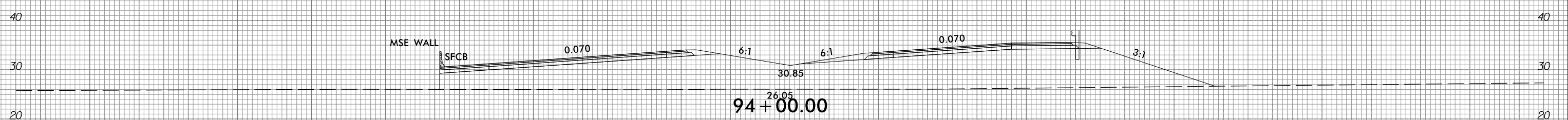
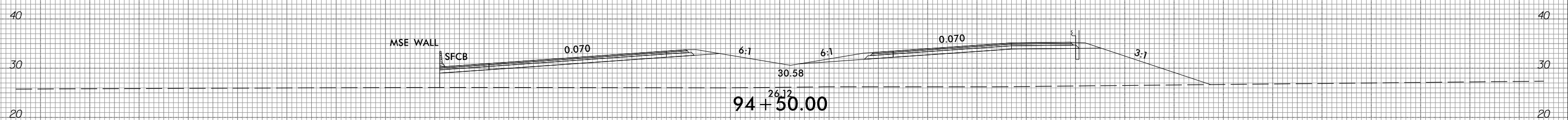
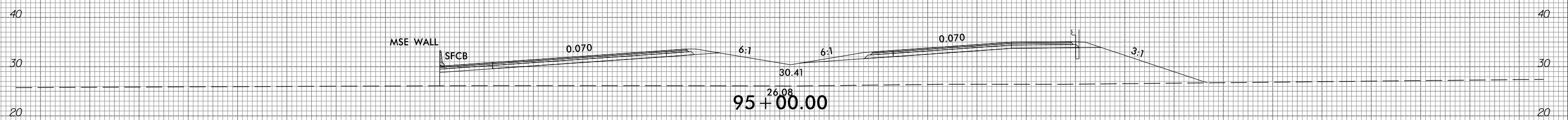
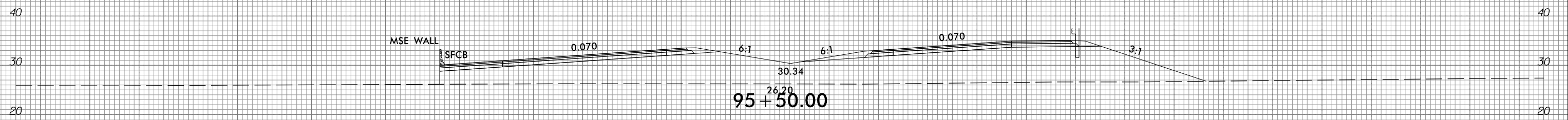
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-22

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

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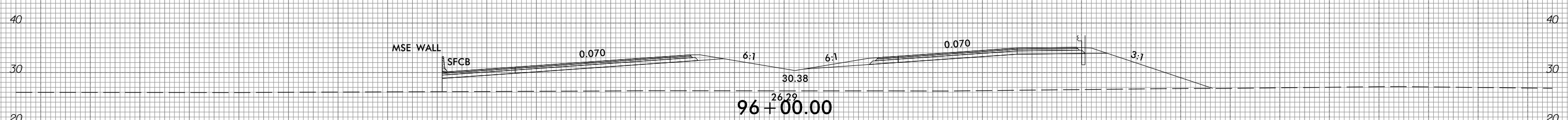
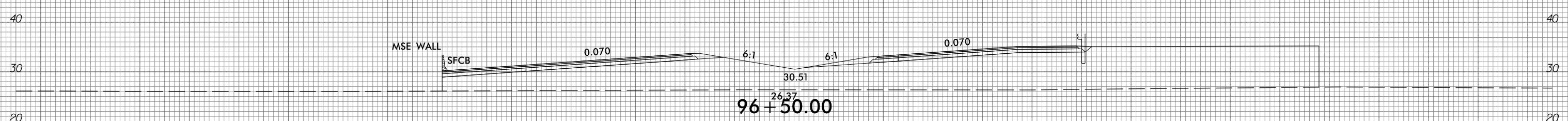
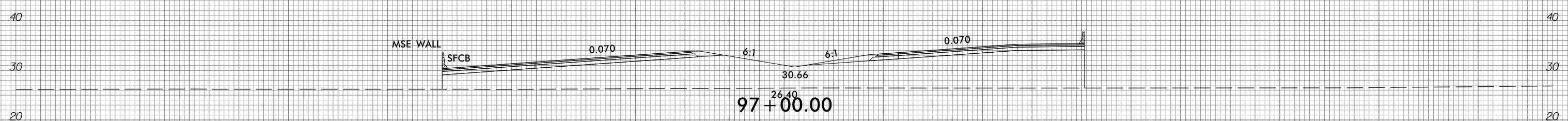
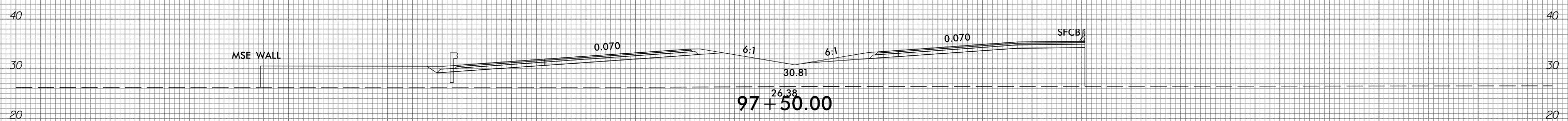
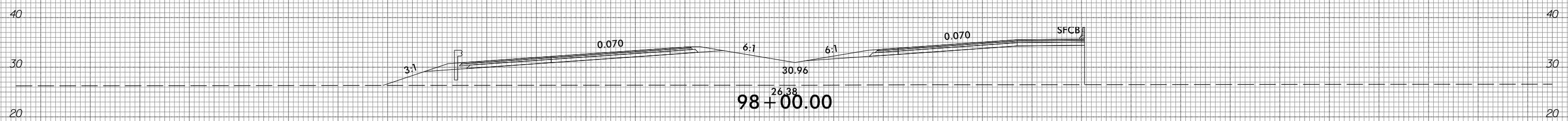
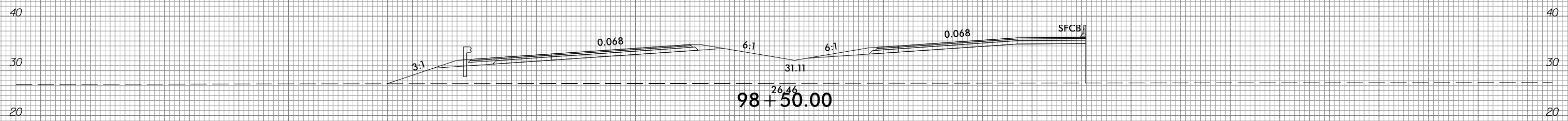
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-23

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gncdlin

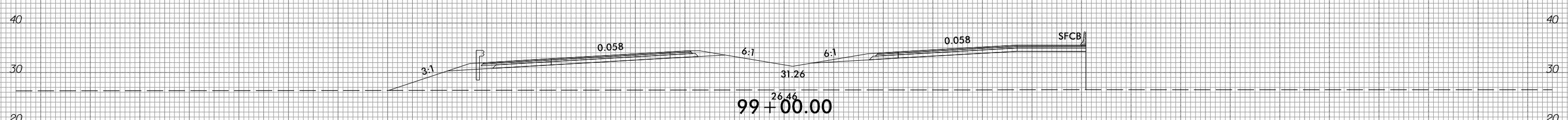
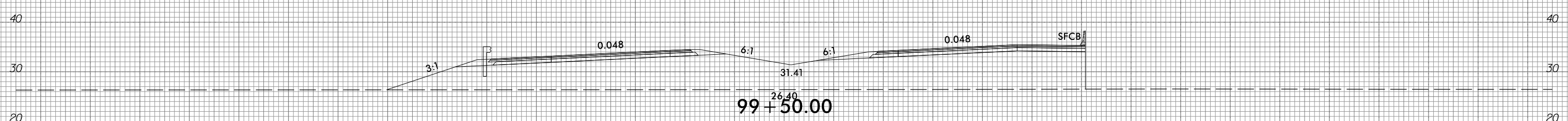
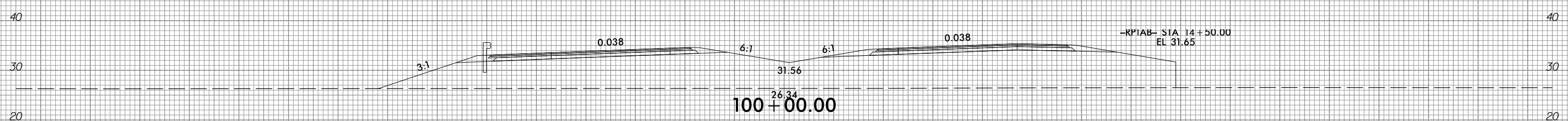
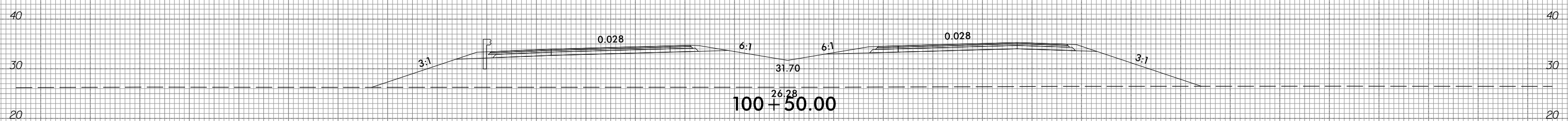
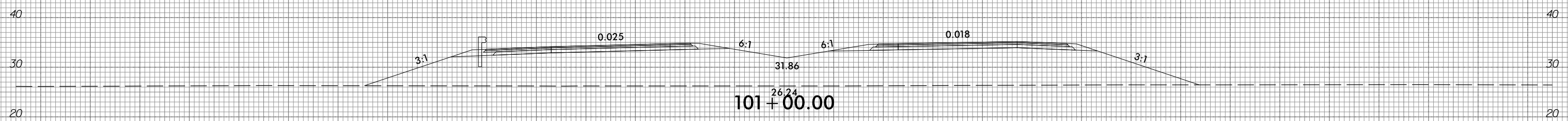
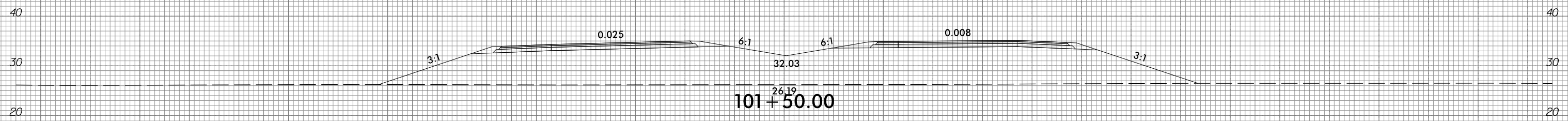
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-24

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

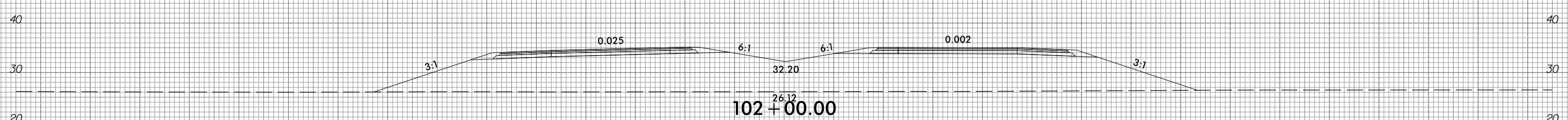
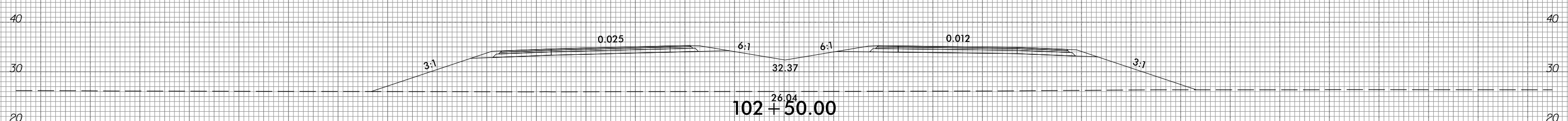
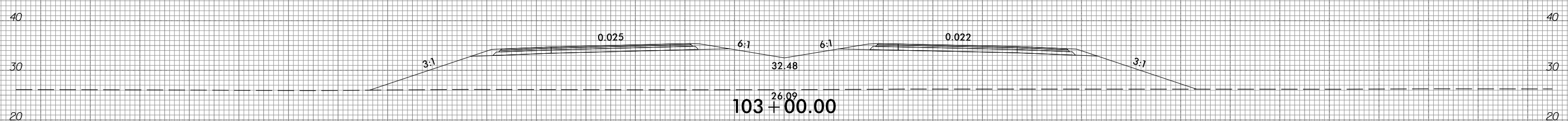
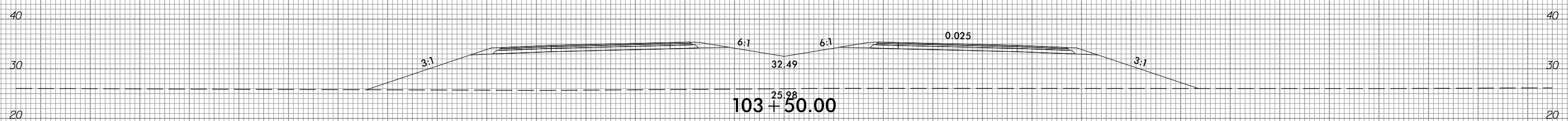
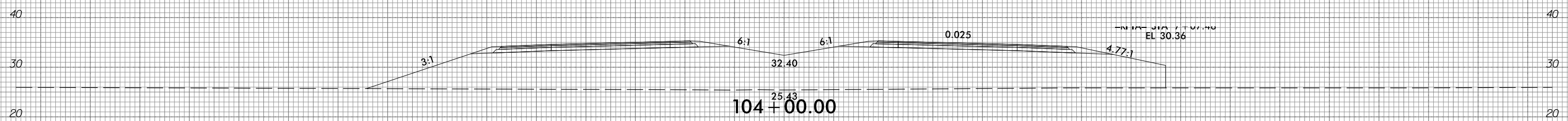
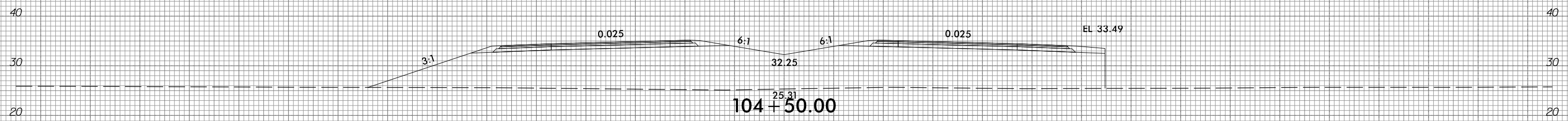
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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-25

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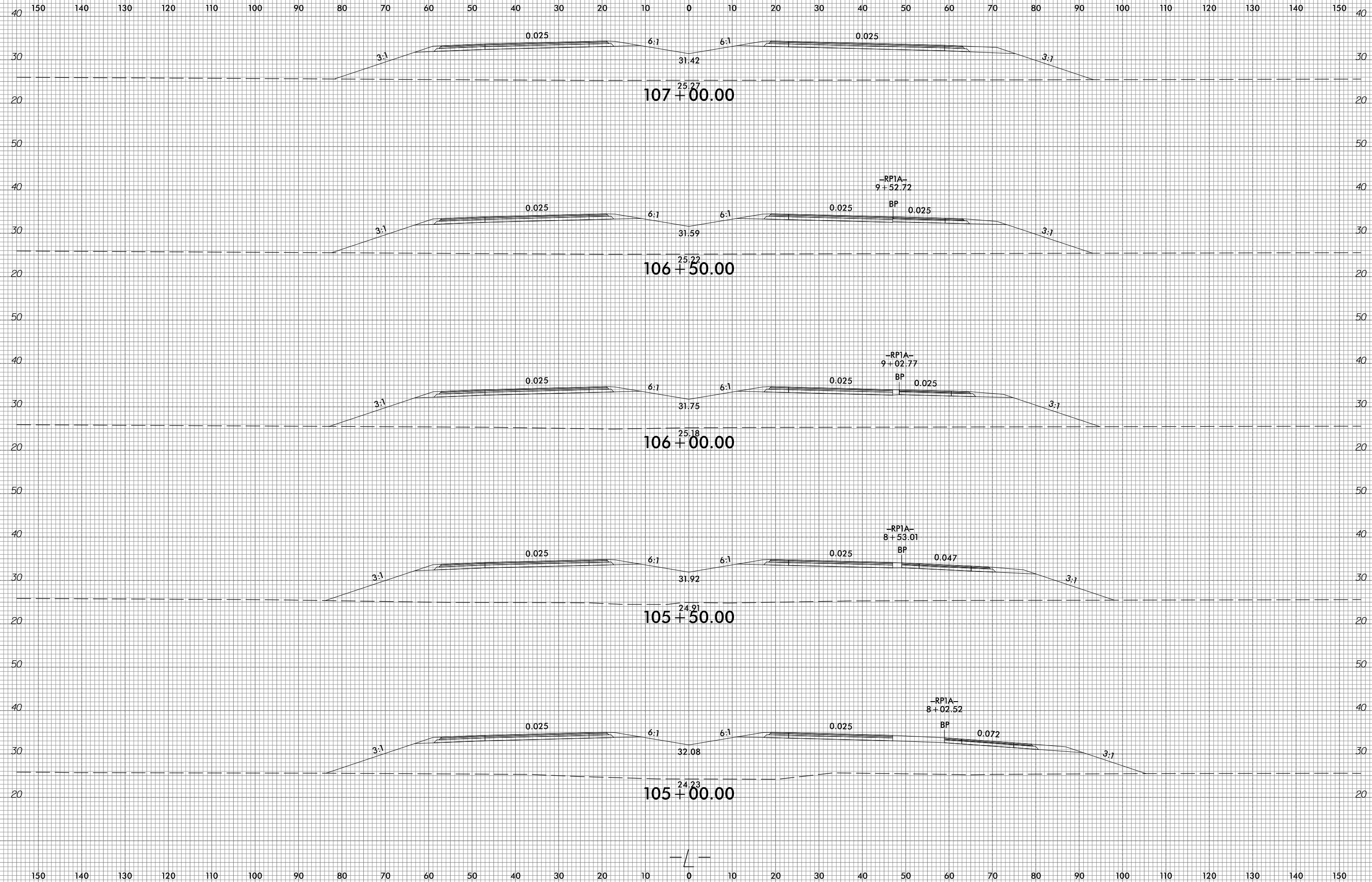
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PROJ. REFERENCE NO.  
R-1015

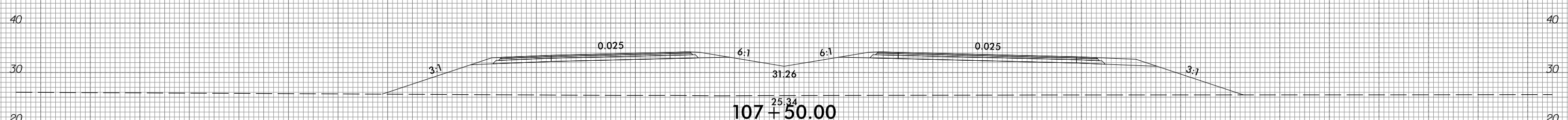
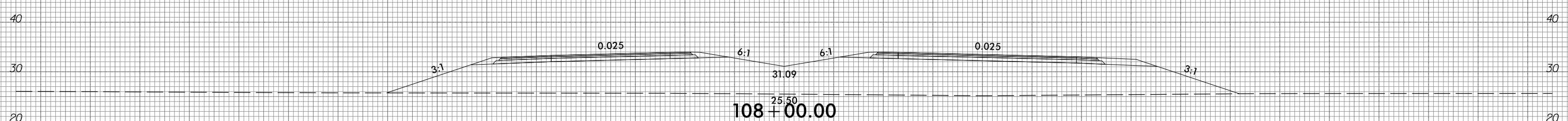
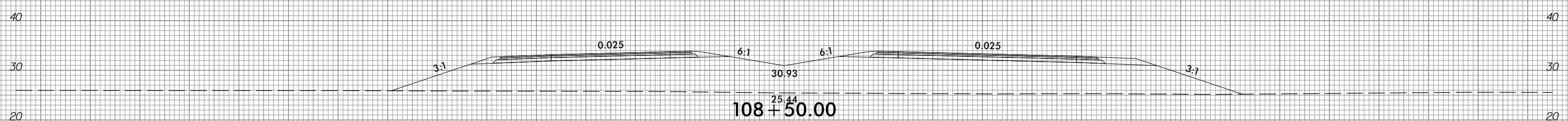
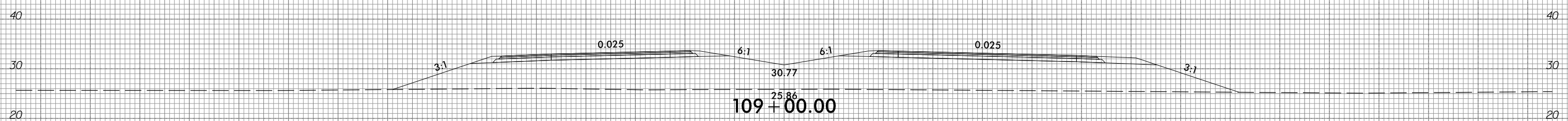
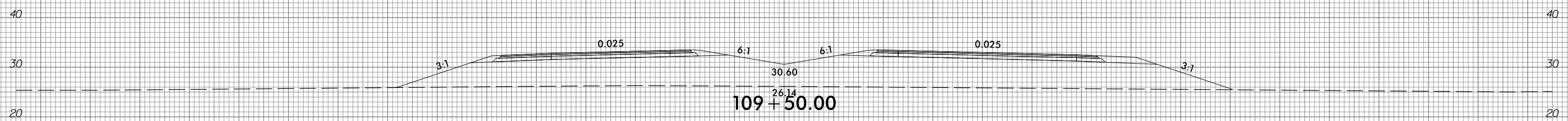
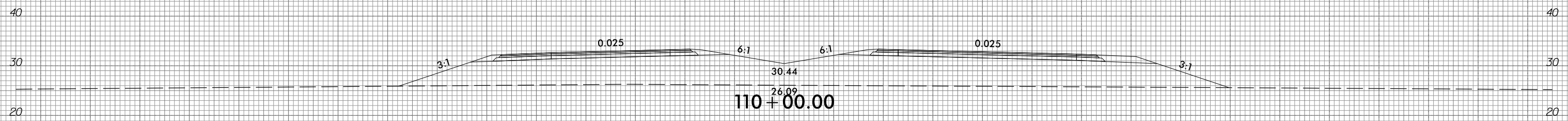
SHEET NO.  
X-26



10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin



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

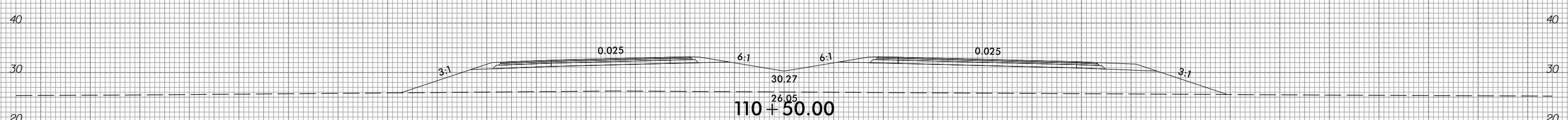
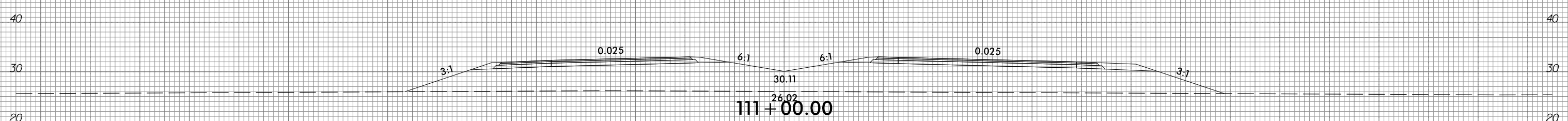
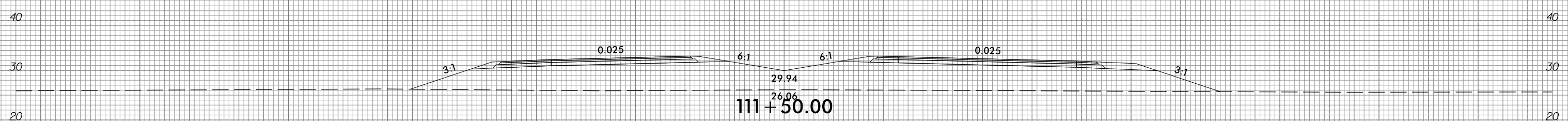
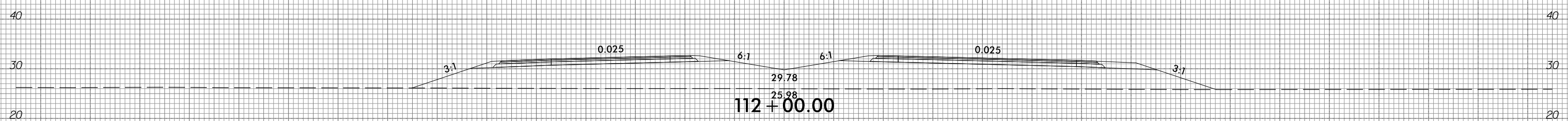
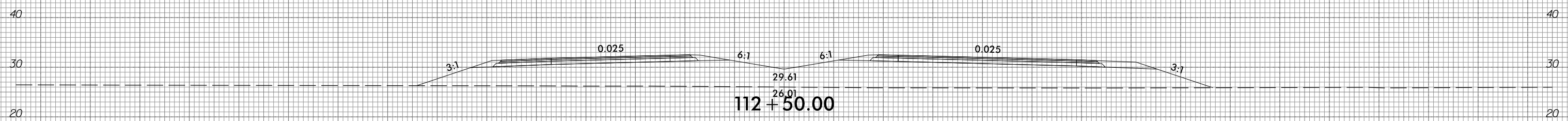
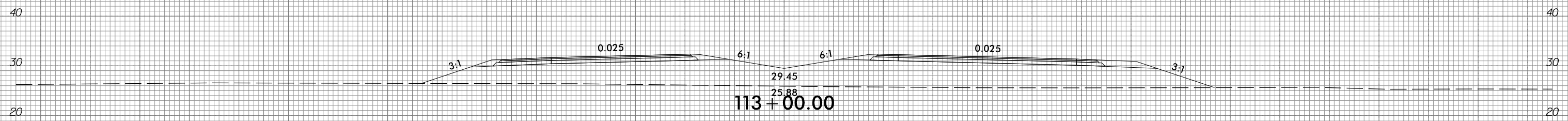


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150





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



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

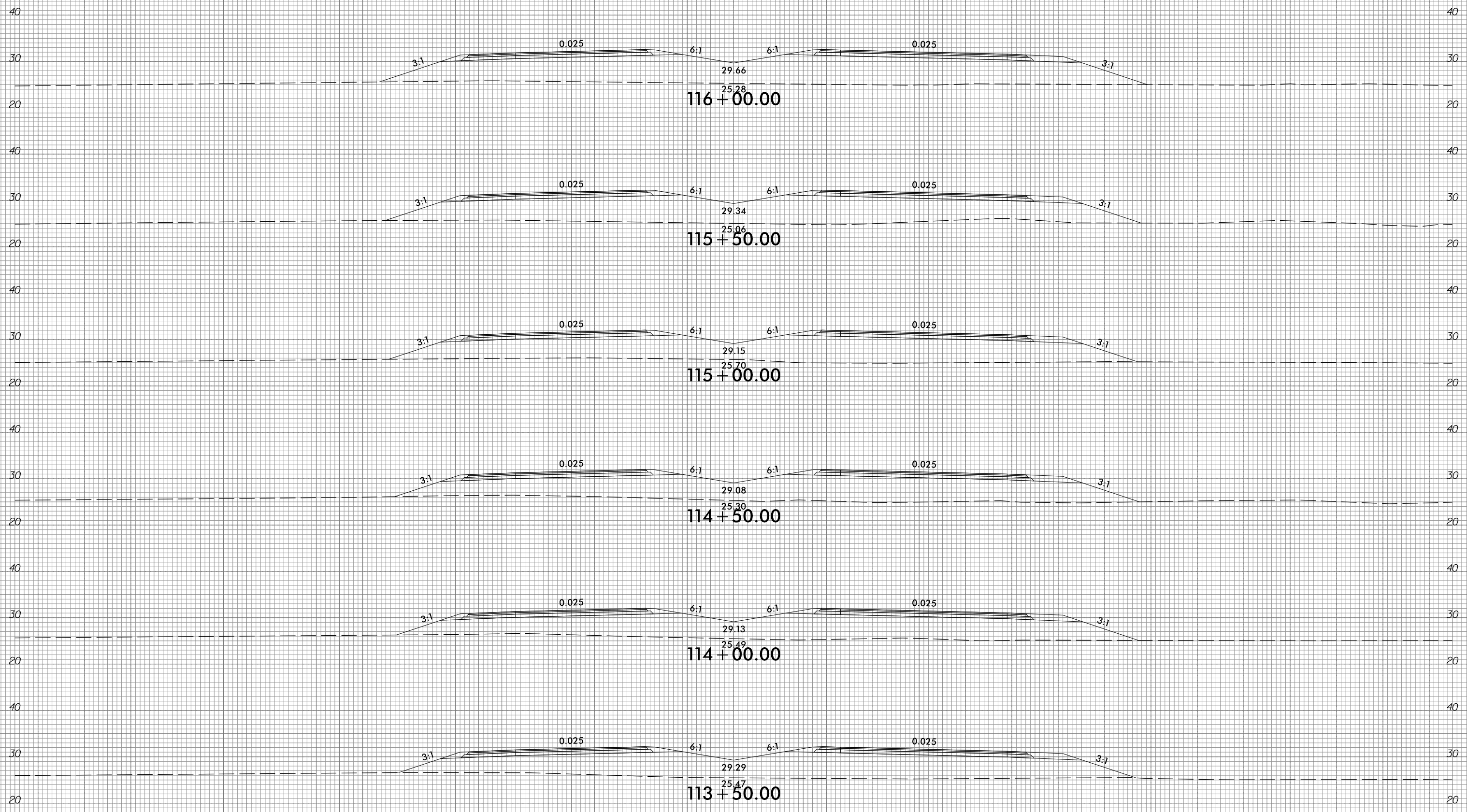
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-29

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



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

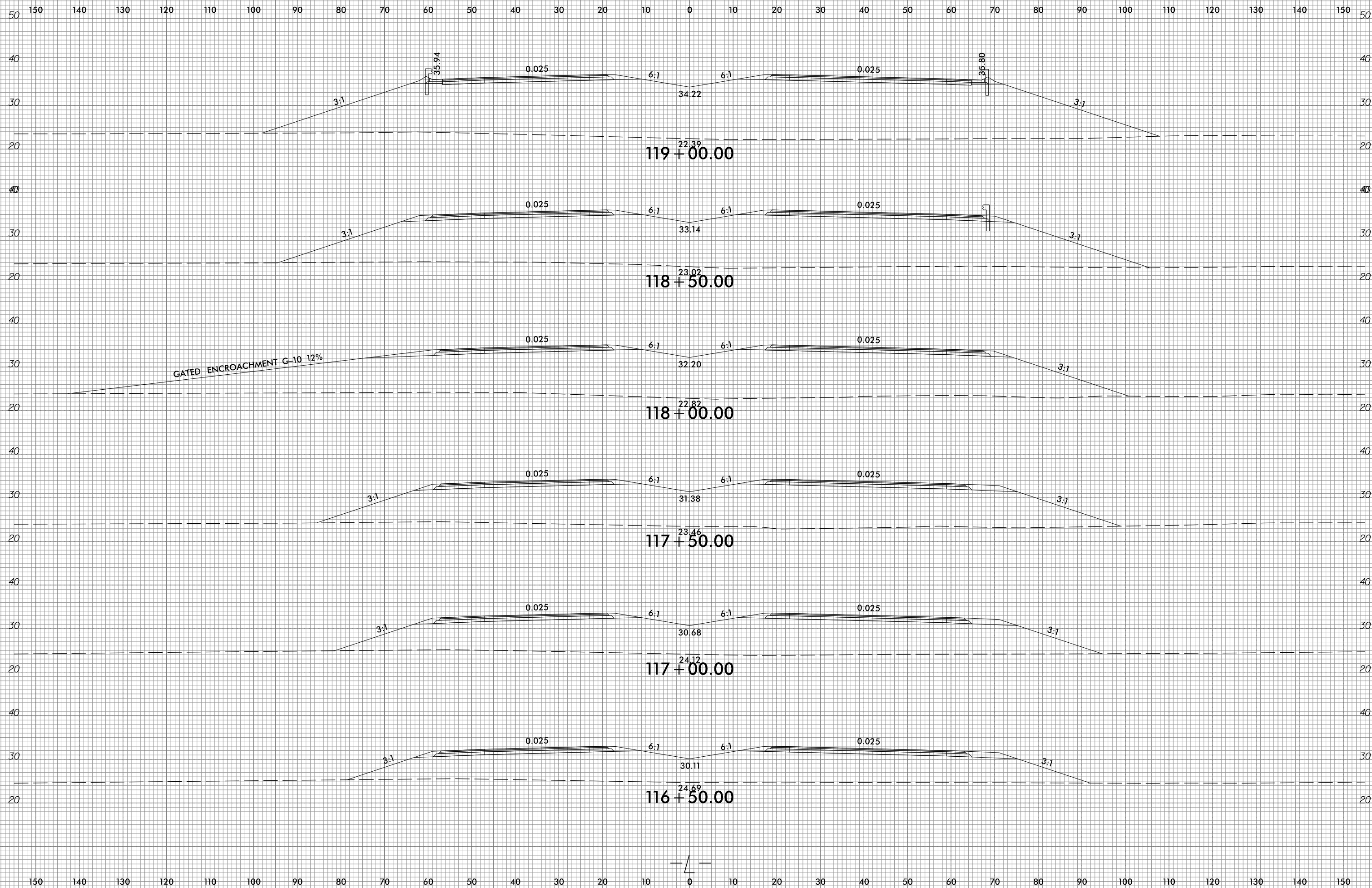
10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.dgn  
gncdlin

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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-30



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G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gmc311

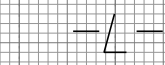
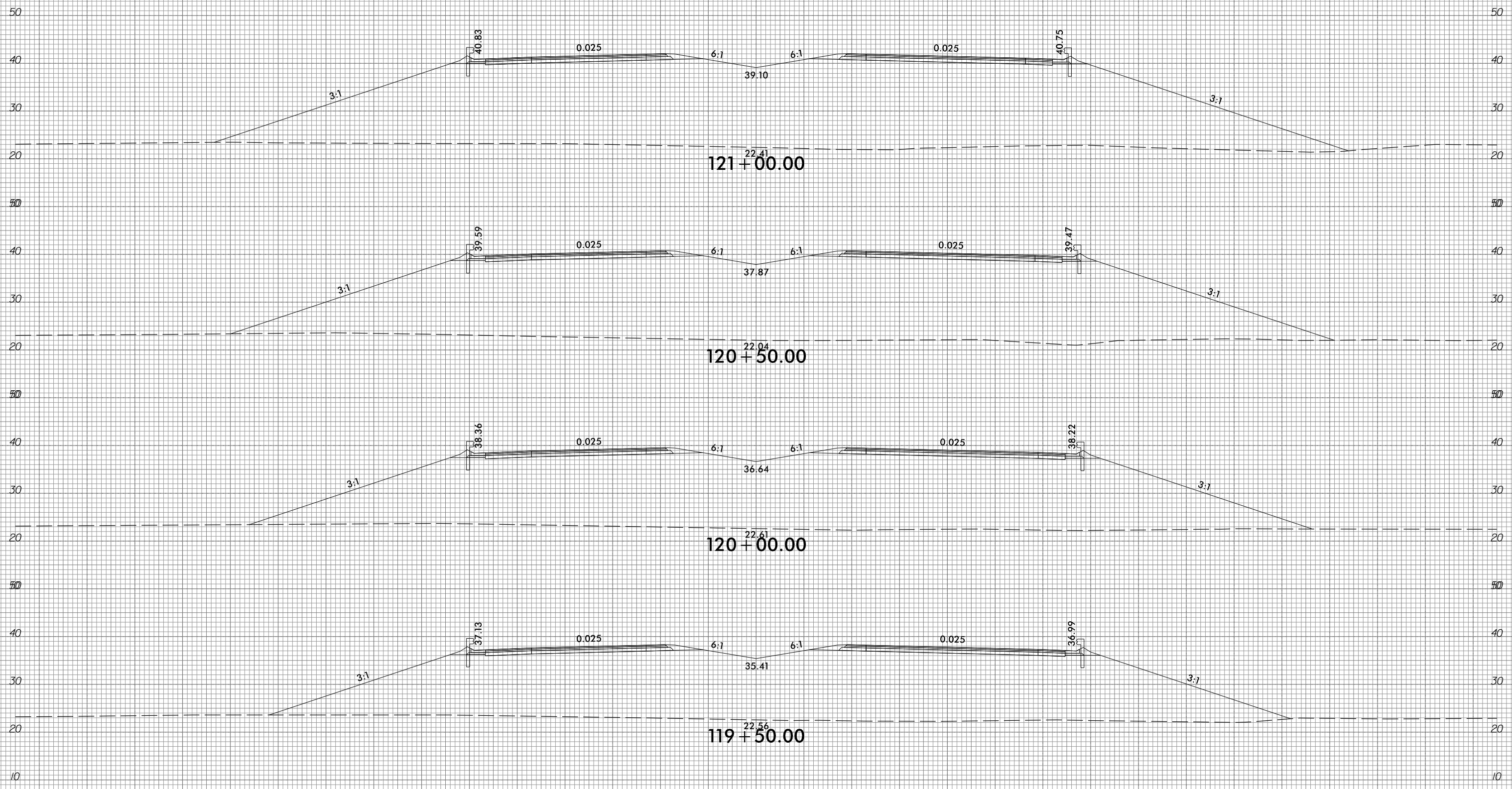
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-31

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



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

10/31/2018  
G:\RA\9729-02\CAD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin

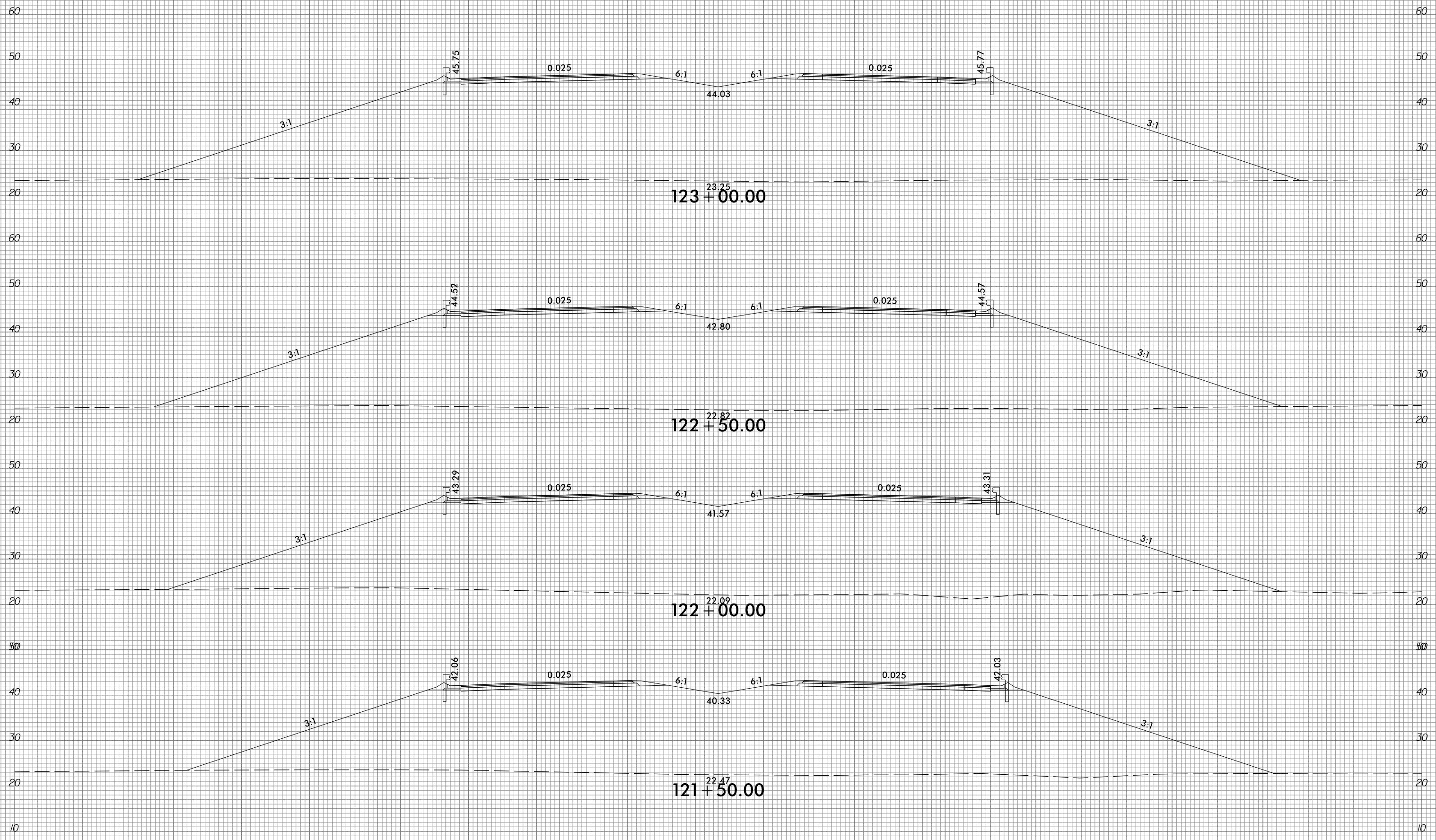
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-32

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



10/31/2018  
G:\RA\9729-02\CAD\1015\Roadway\XSC\1015\_xpl.L.dgn  
gncdlin

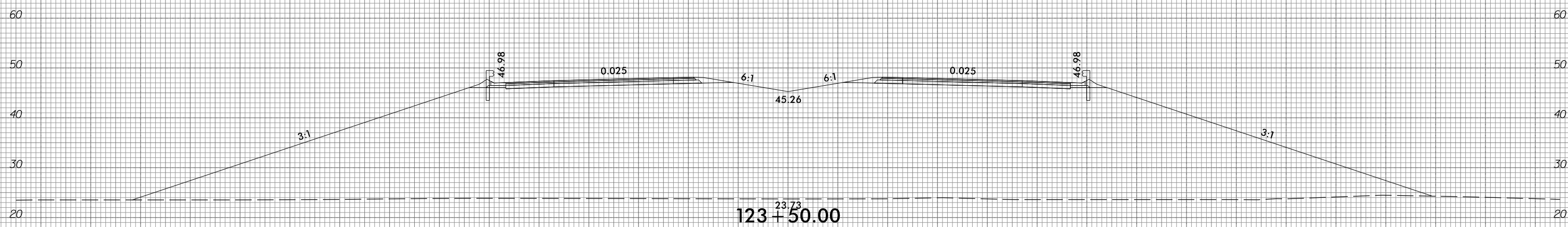
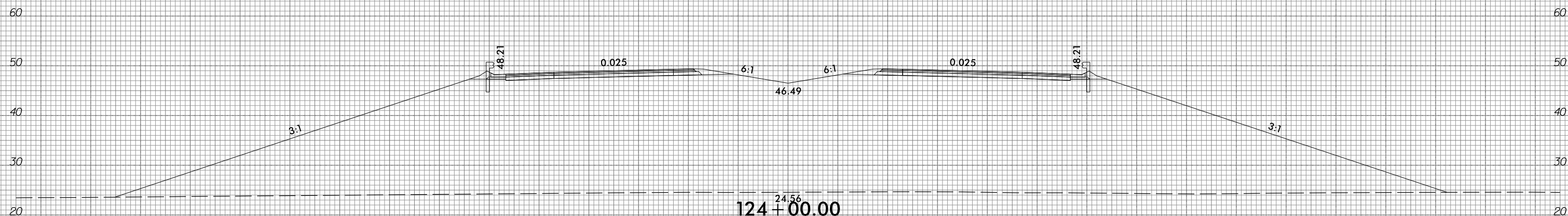
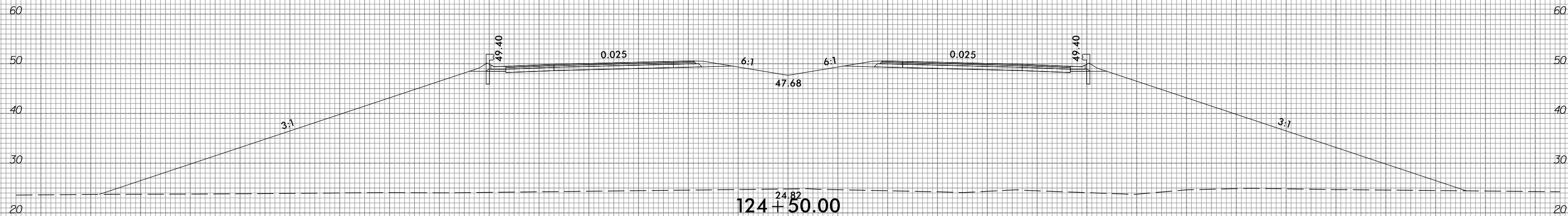
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-33

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



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

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G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin

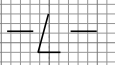
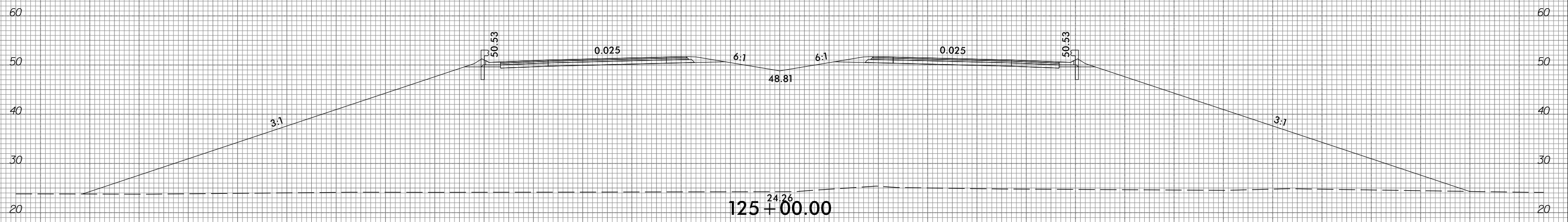
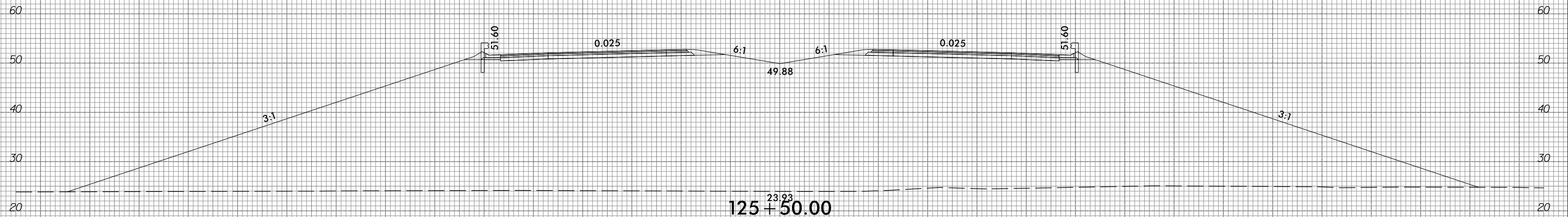
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-34

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

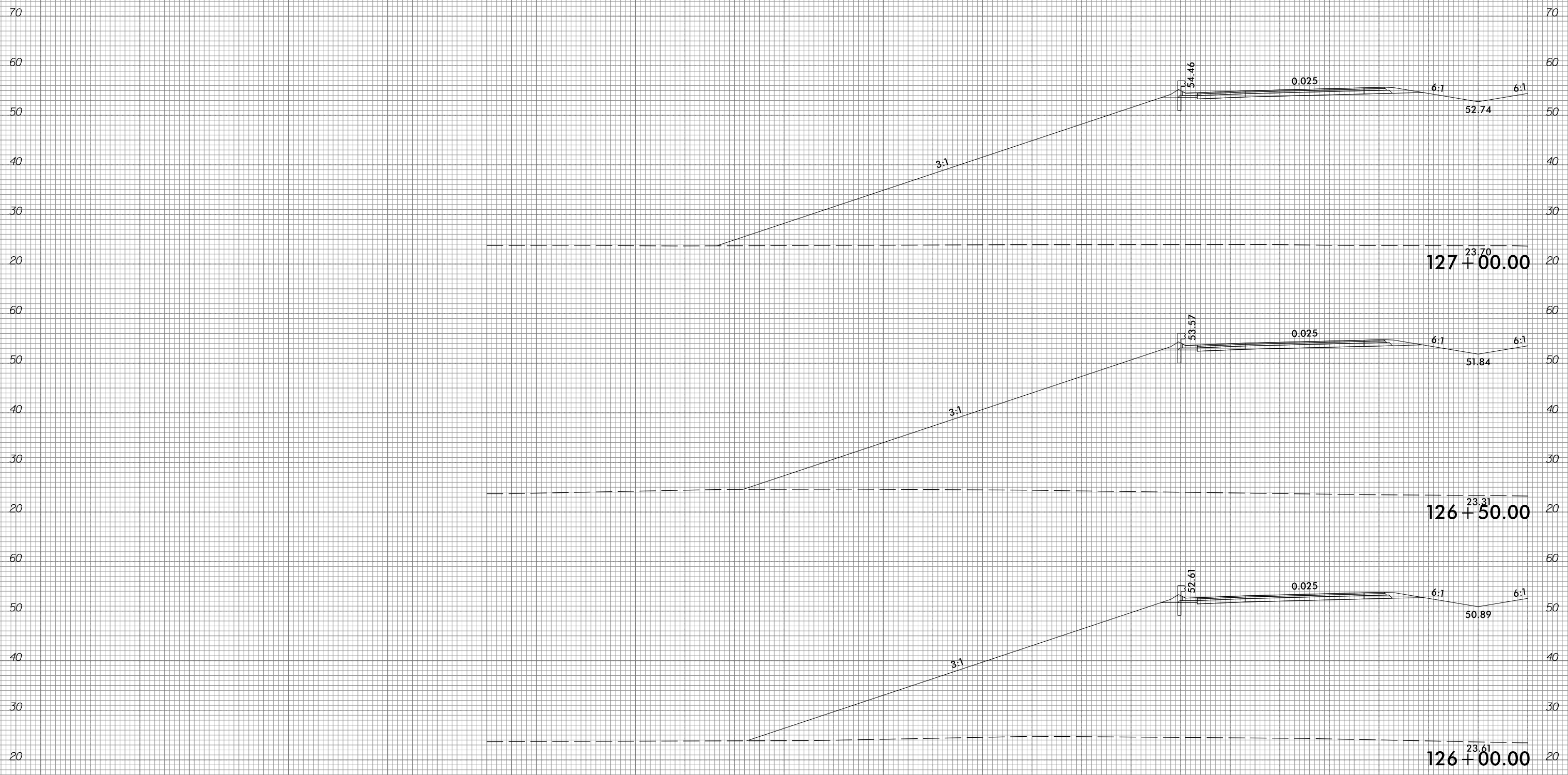


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

10/31/2018  
G:\RA\9729-02\CAD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin



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



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



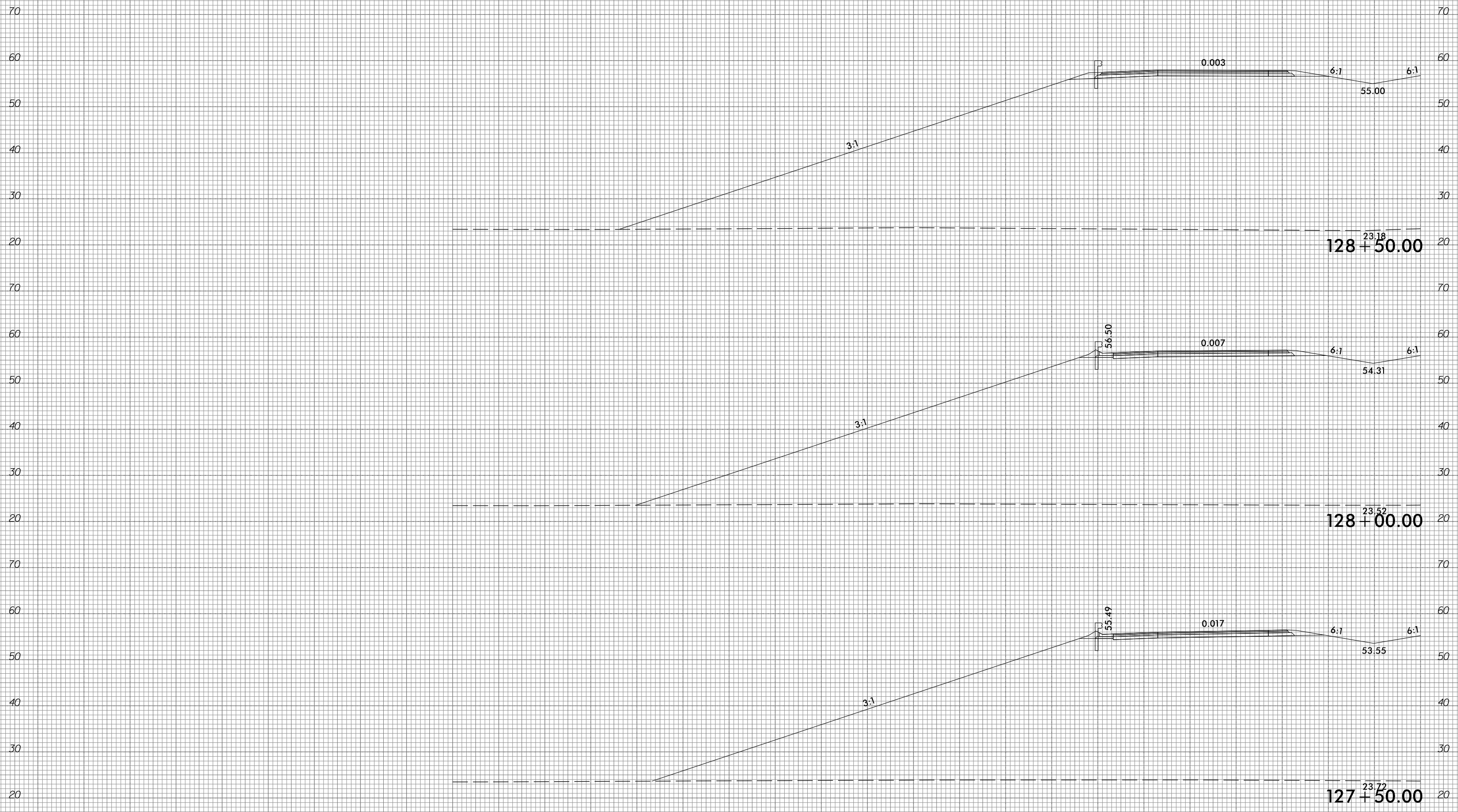
6/23/16



PROJ. REFERENCE NO.	R-1015
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SHEET NO.	X-36
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290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10



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

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 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
 gncdjin

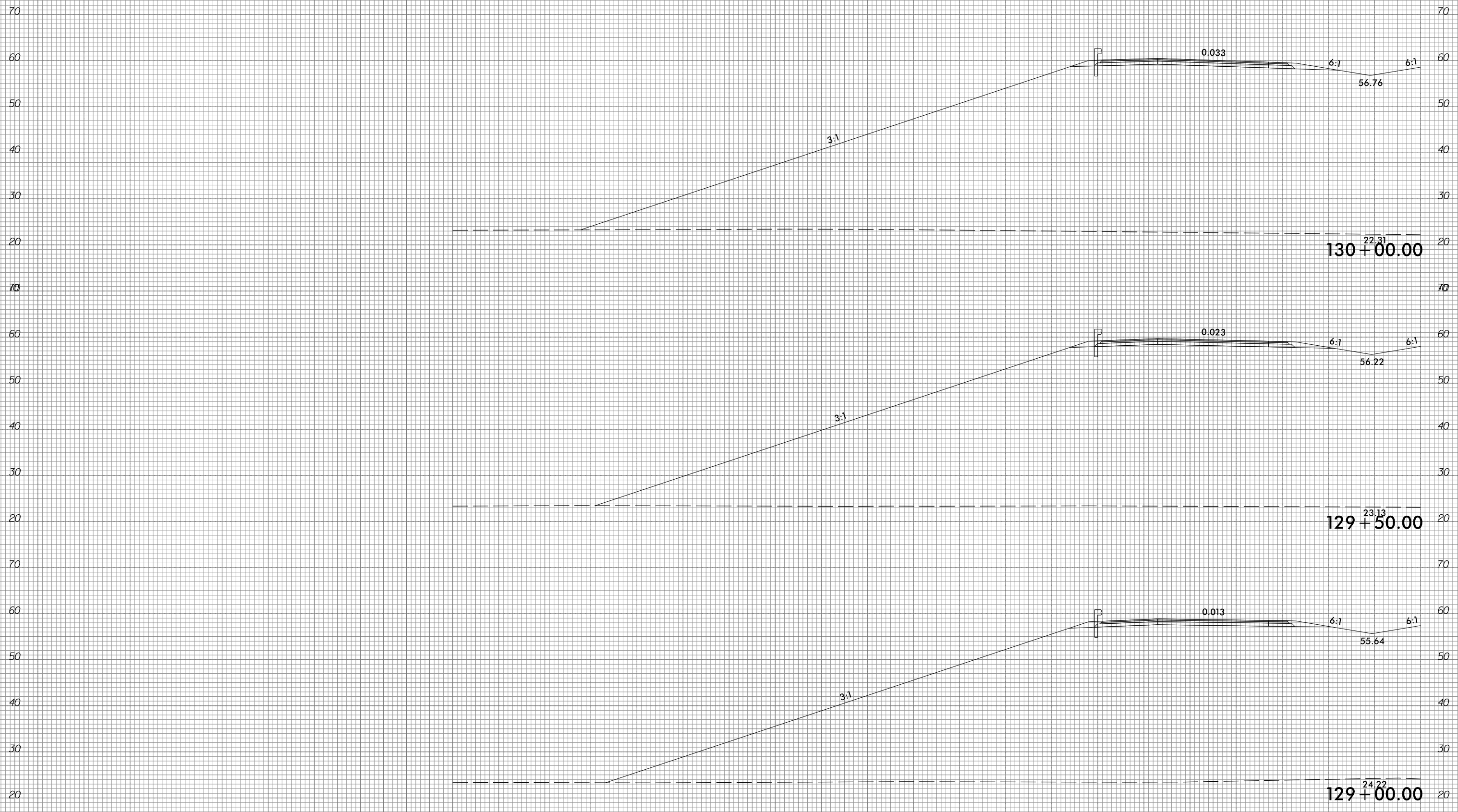
6/23/16



PROJ. REFERENCE NO.  
R-1015

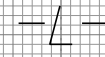
SHEET NO.  
X-37

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



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

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gncdlin



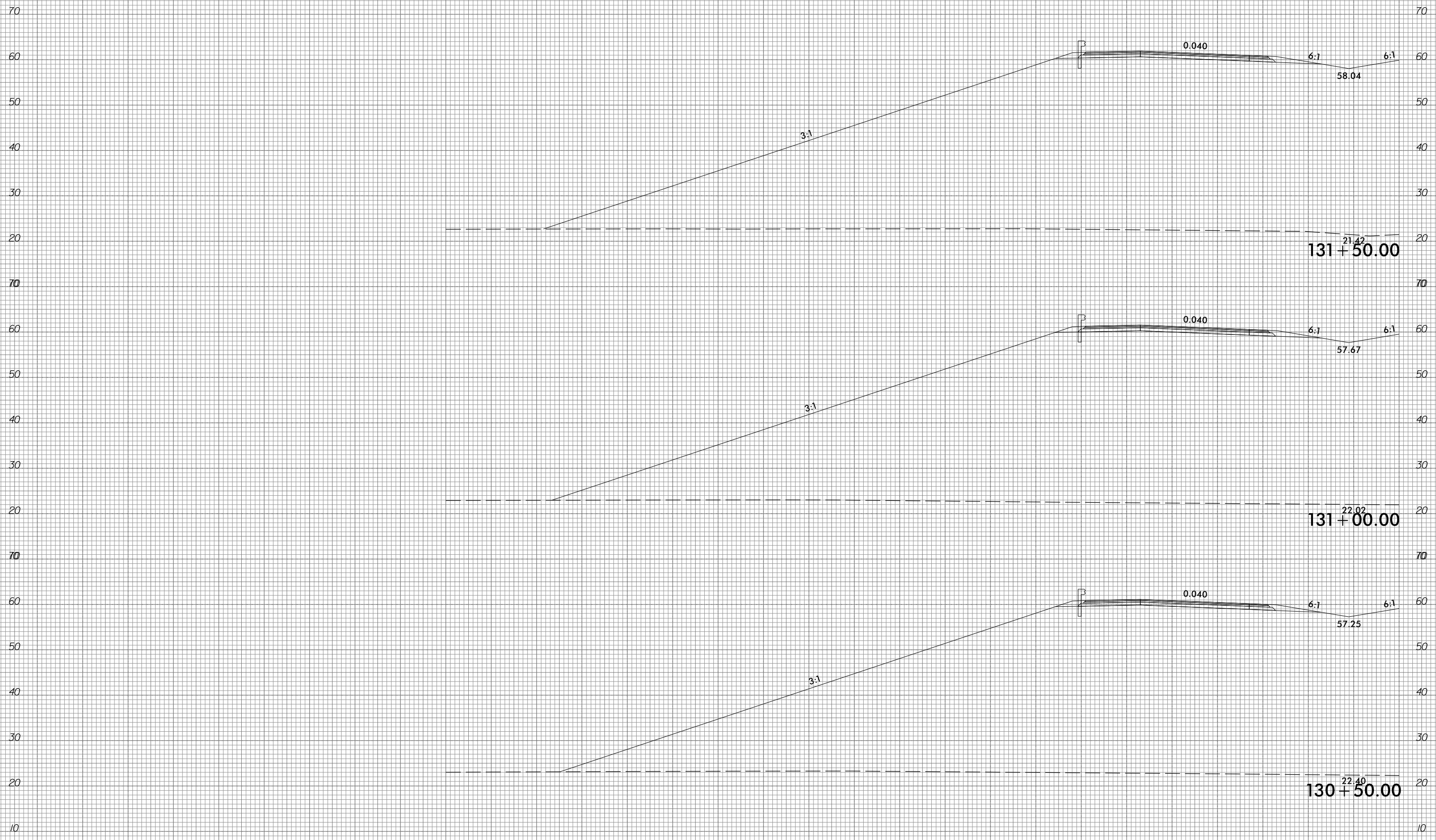
6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-38

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-38

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



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

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 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc311

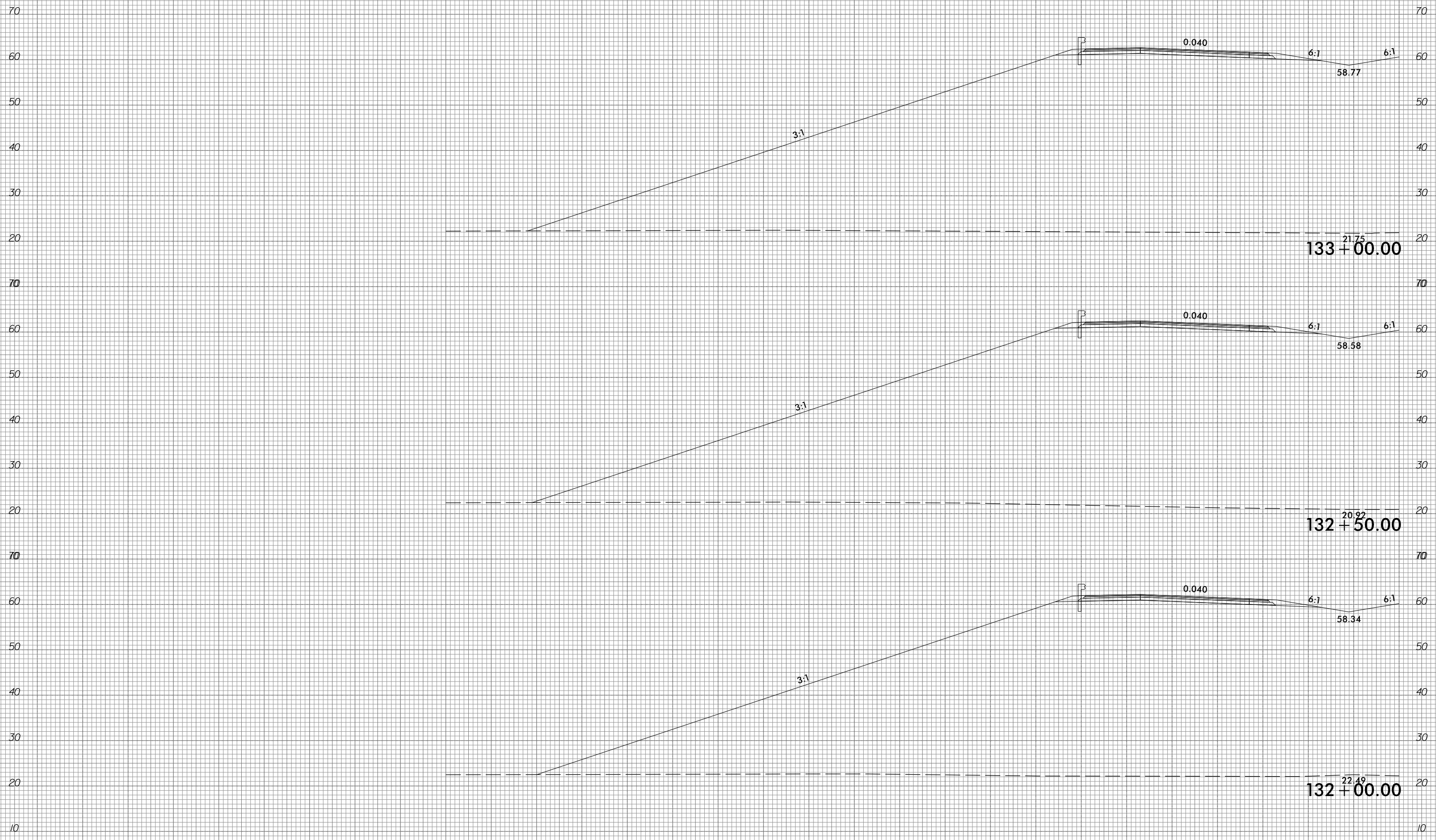
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-39

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



133 + 00.00

132 + 50.00

132 + 00.00



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G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
gncdjin

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

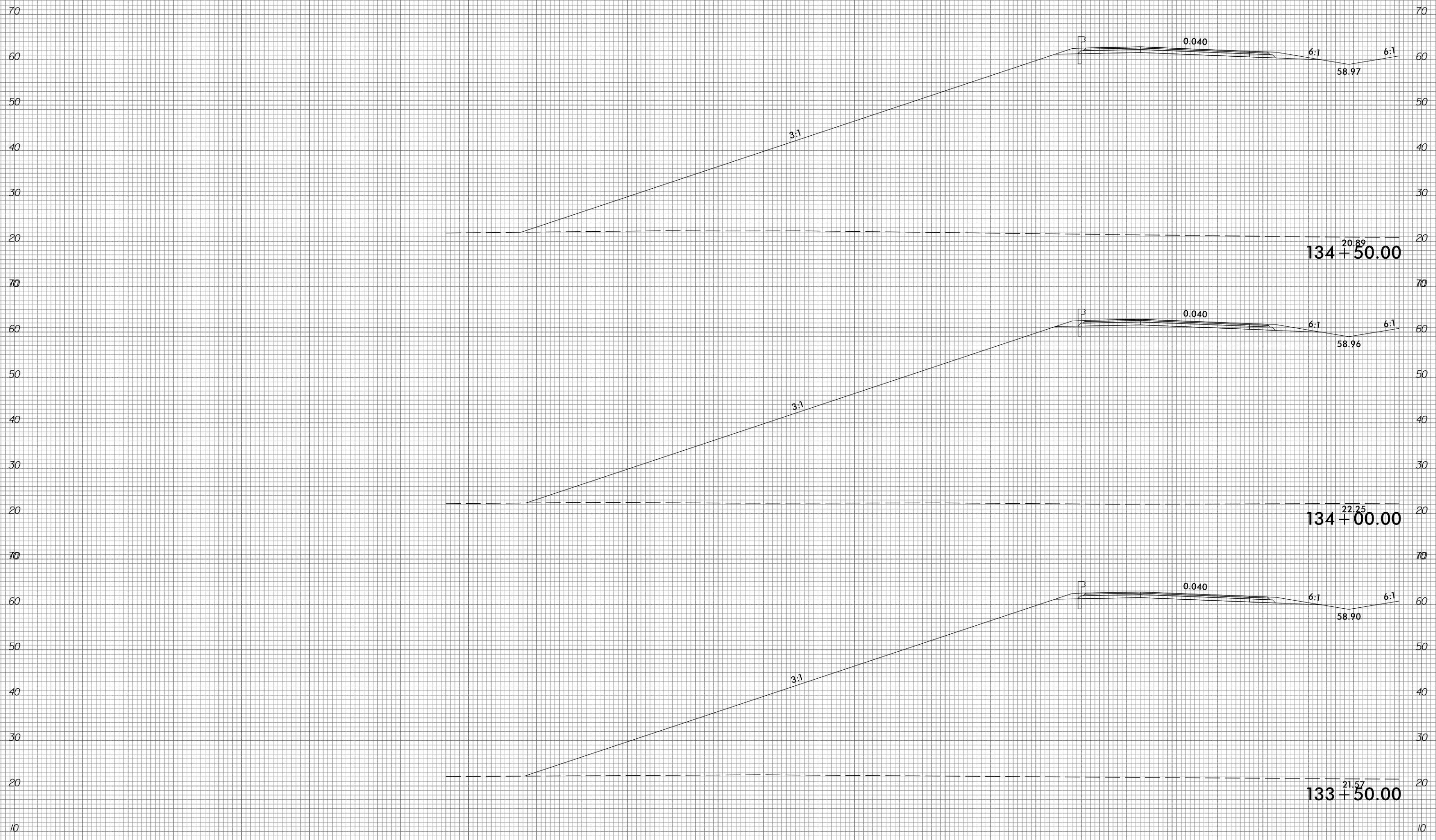
6/23/16



PROJ. REFERENCE NO.	R-1015
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SHEET NO.	X-40
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290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10



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

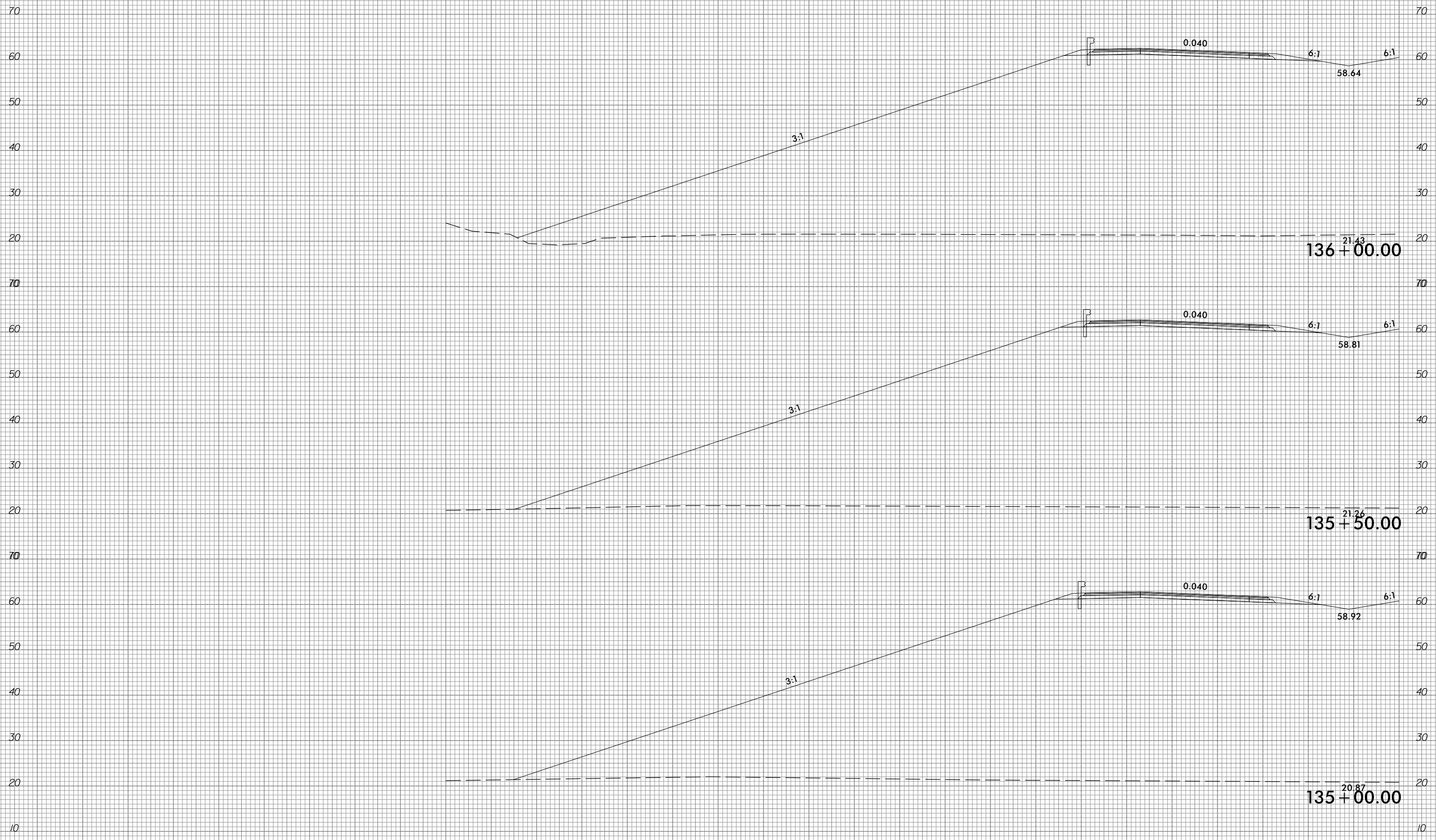
10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc311

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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-41

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

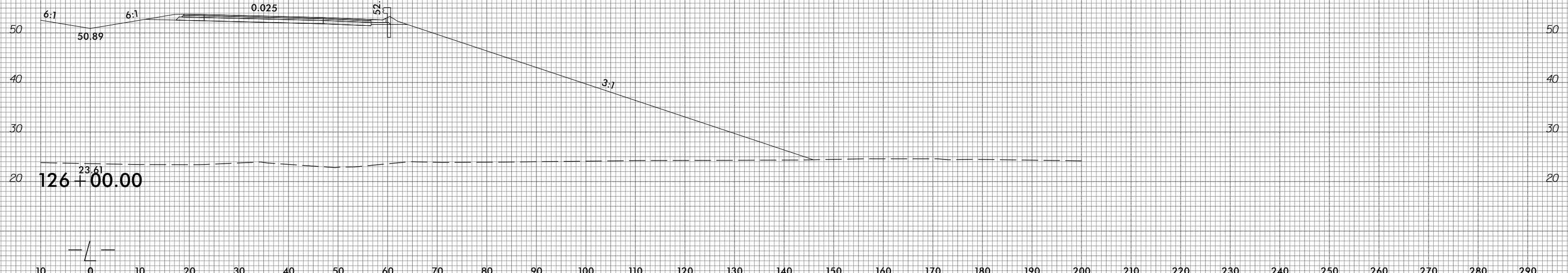
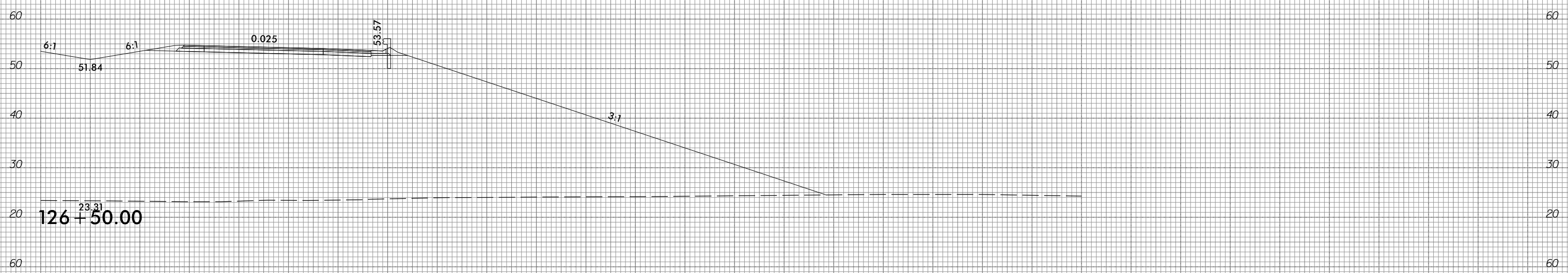


290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
 gmc311



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



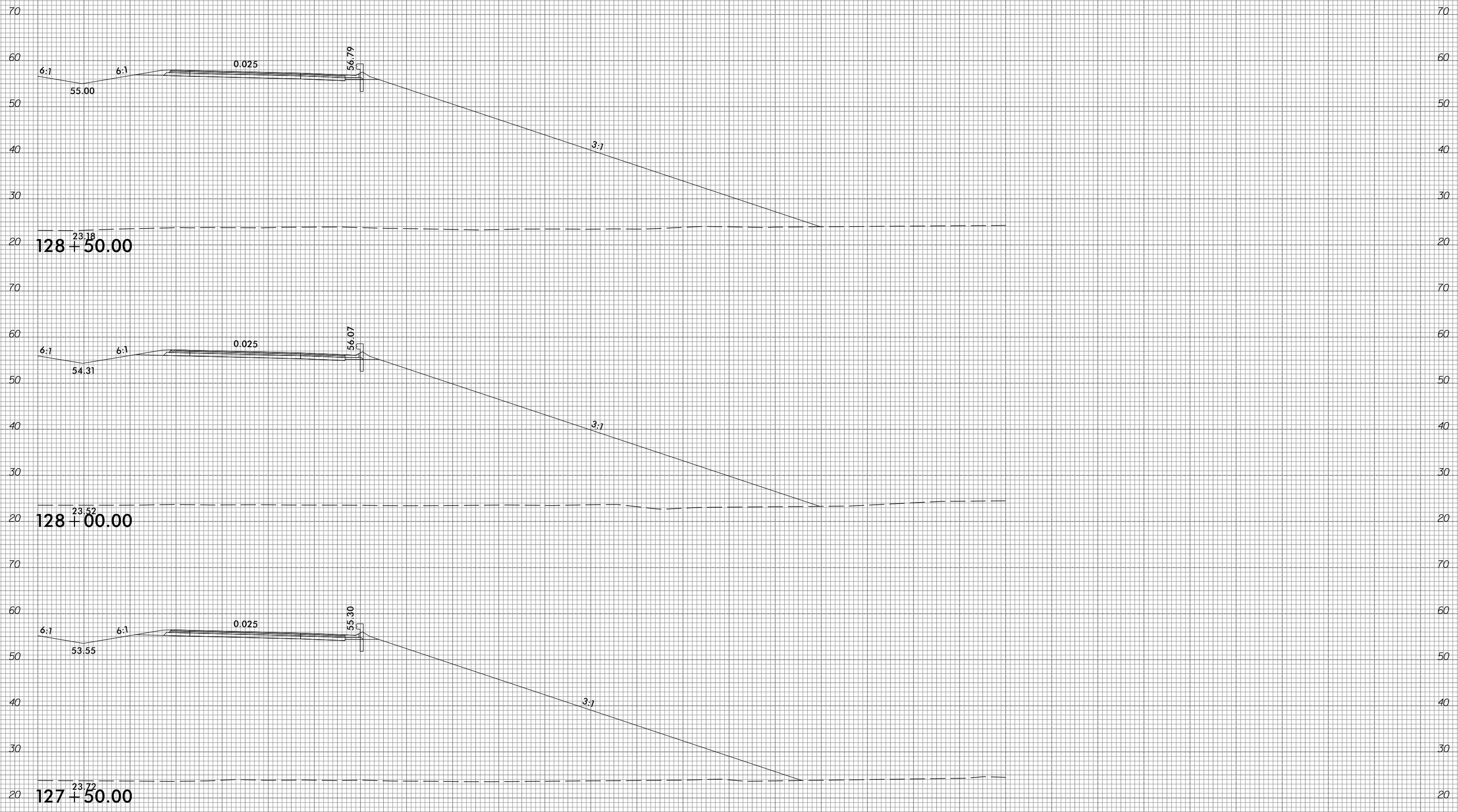
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-43

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



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

10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc011

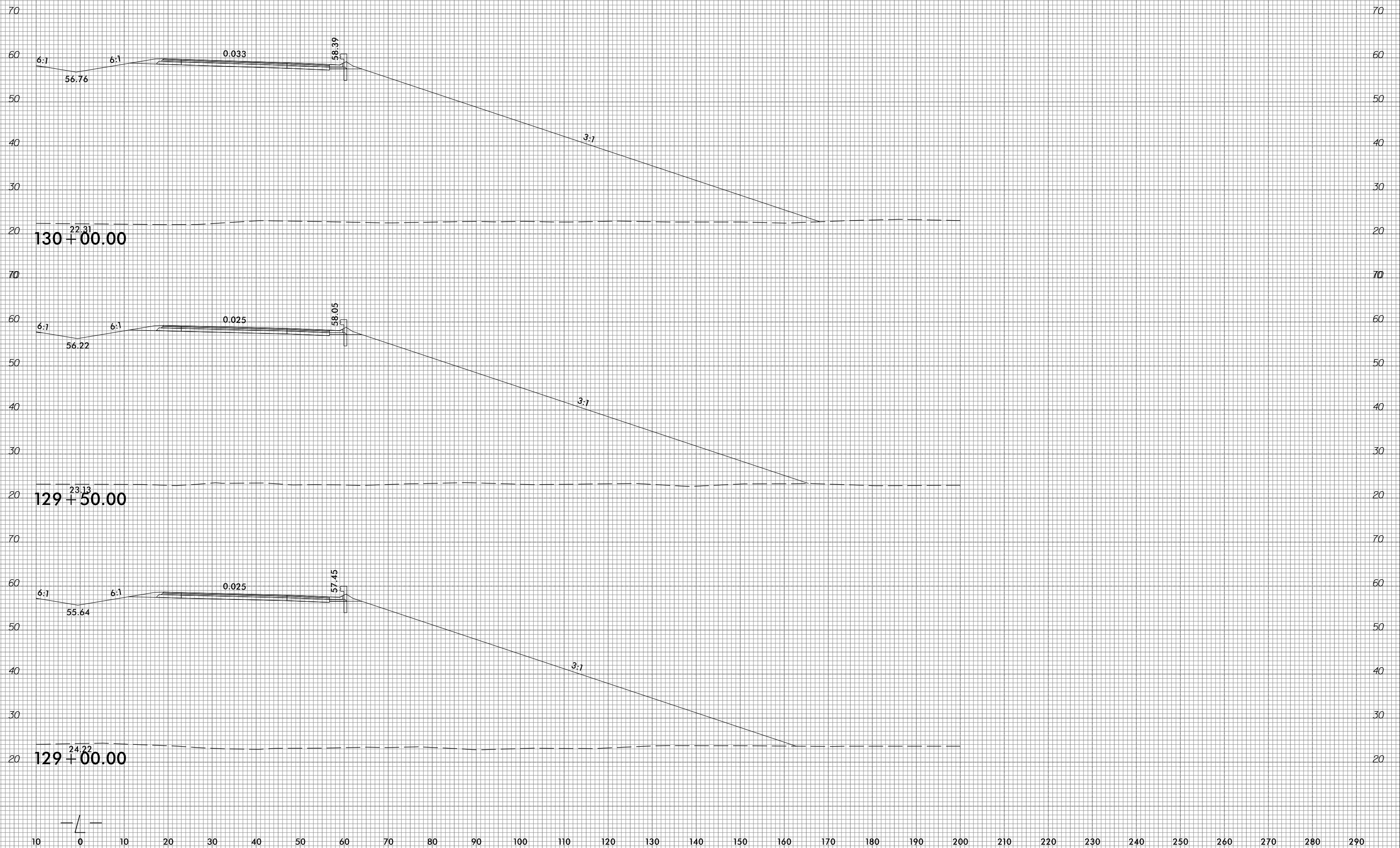


6/23/16

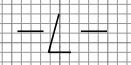


PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-44

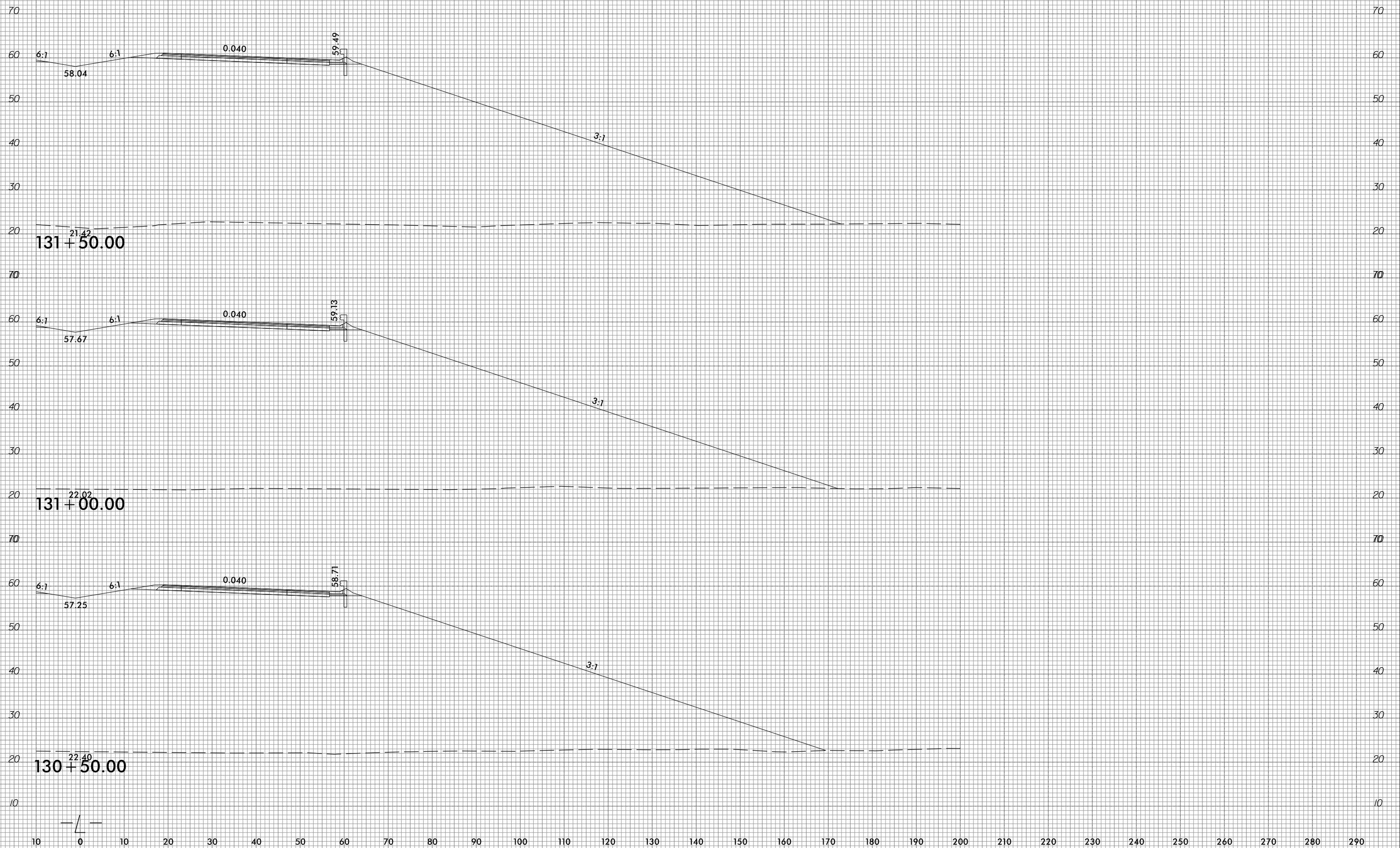
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290



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 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc311



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

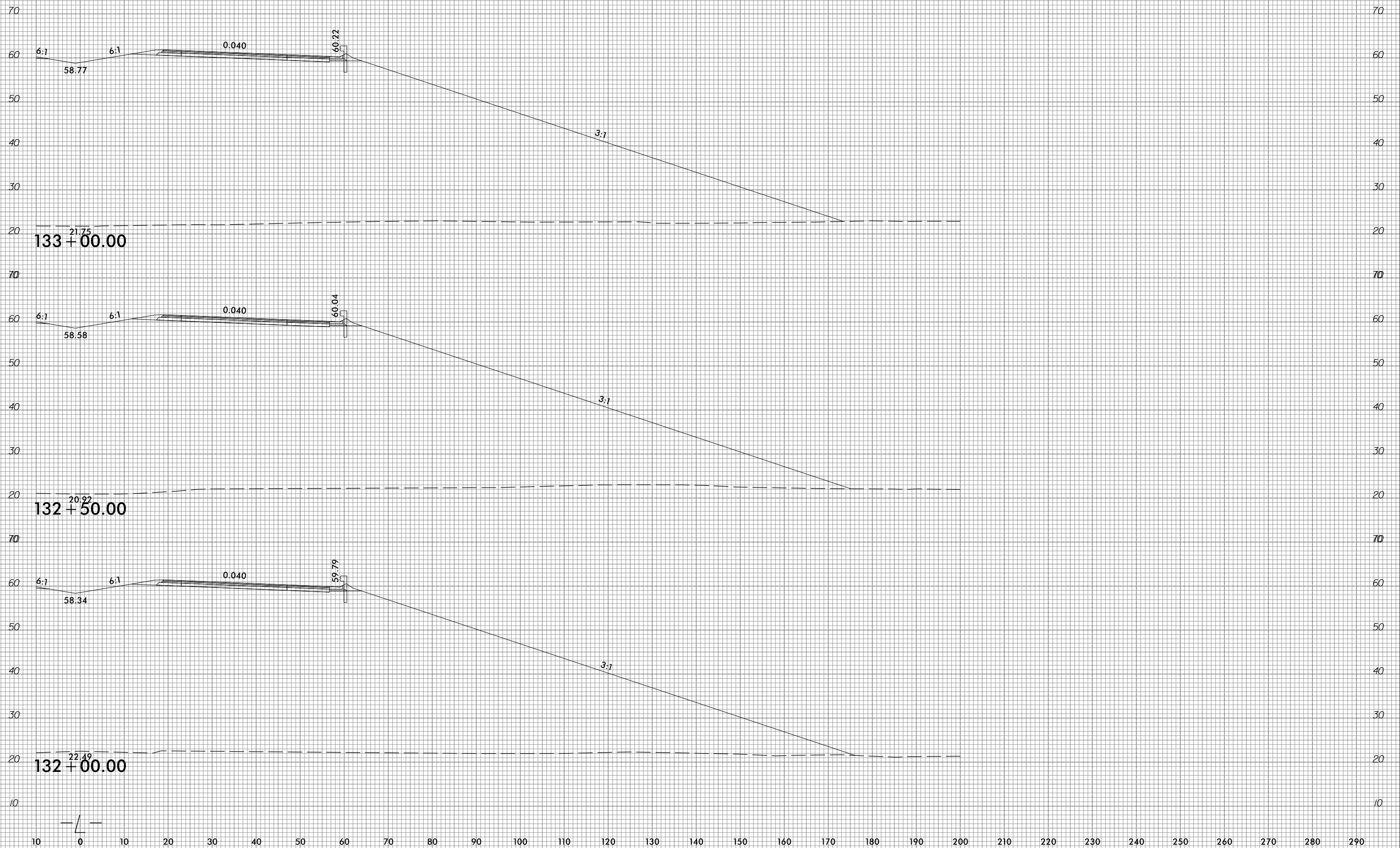


6/23/16

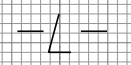


PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-46

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



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 gncdjin

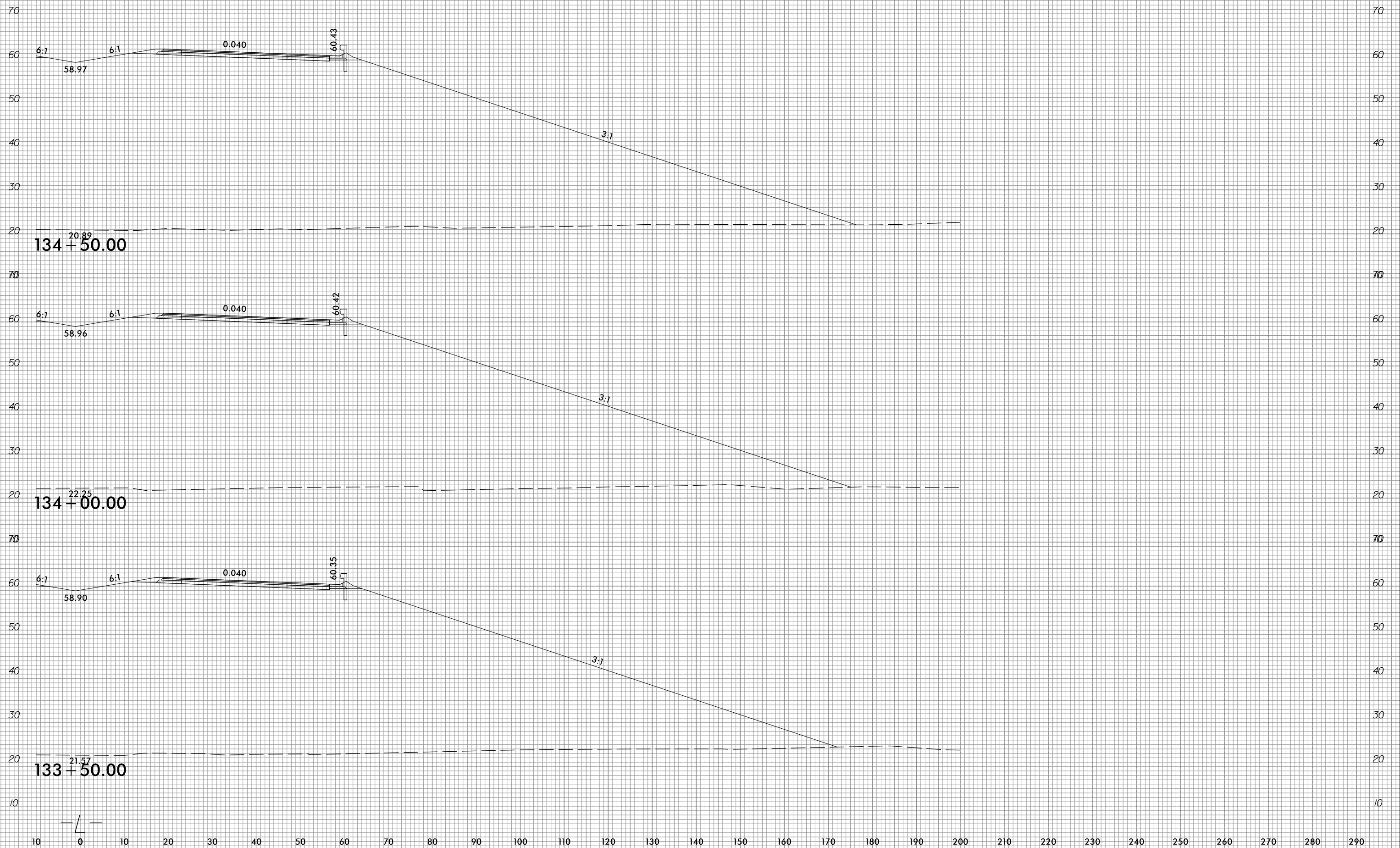


6/23/16

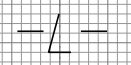


PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-47

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

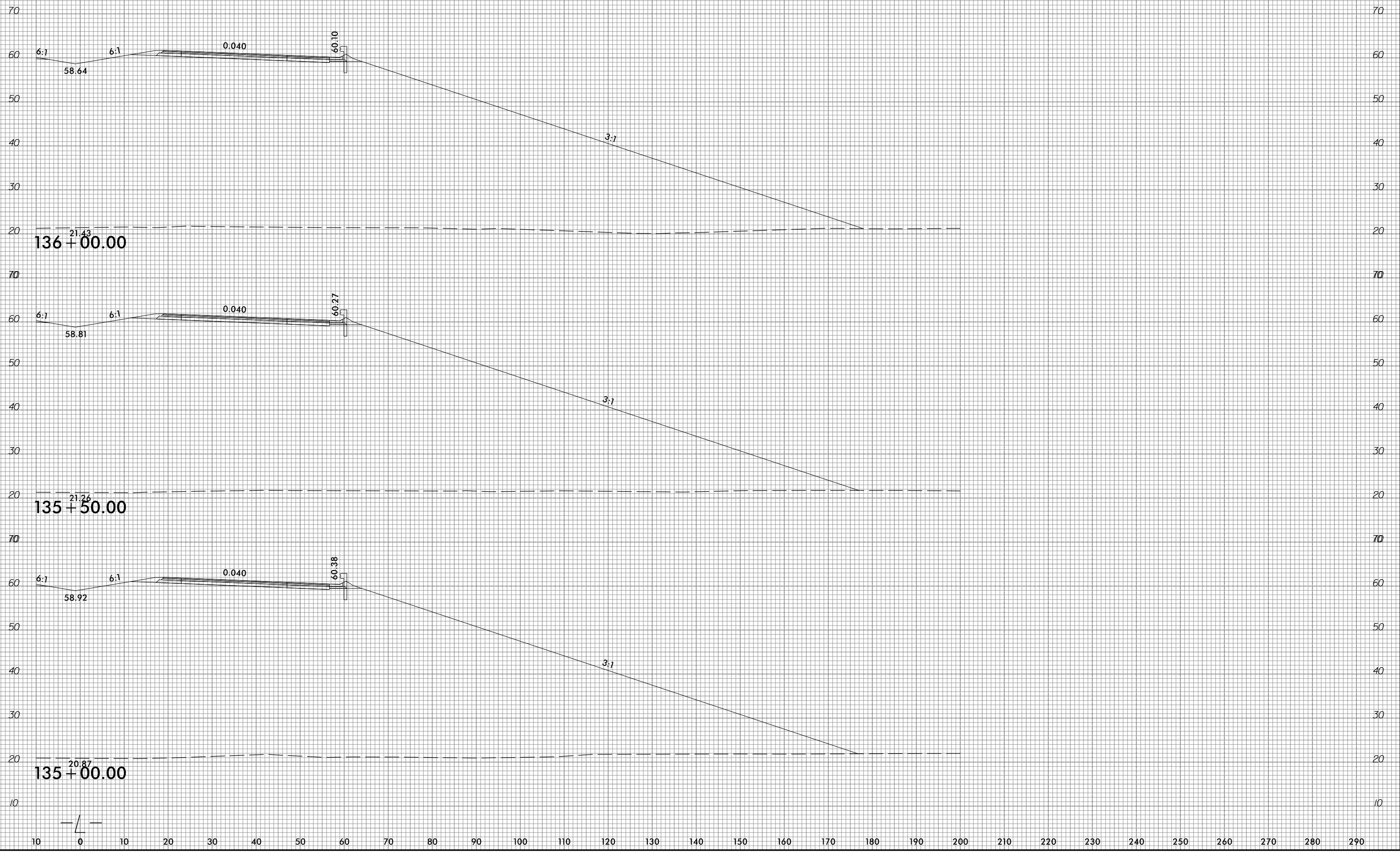


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 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc31in





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



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

70 70

60 60

50 50

40 40

30 30

20 20

21.06  
137 + 37.78

70 70

60 60

50 50

40 40

30 30

20 20

21.54  
137 + 00.00

70 70

60 60

50 50

40 40

30 30

20 20

22.11  
136 + 52.37

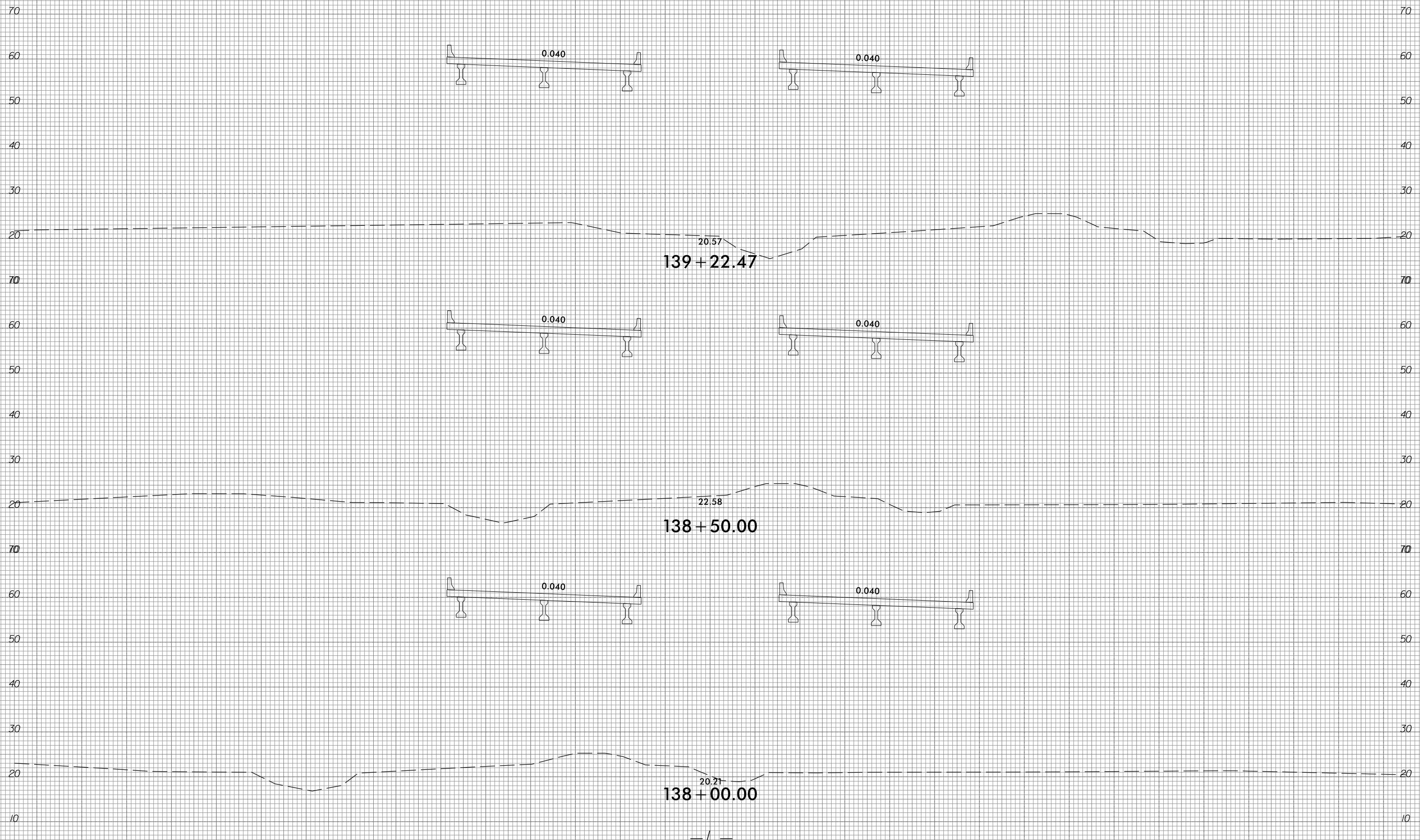
10 10



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



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



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



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

70 70

60 60

50 50

40 40

30 30

20 20

21.58  
**140 + 17.23**

70 70

60 60

50 50

40 40

30 30

20 20

21.45  
**139 + 69.29**

70 70

60 60

50 50

40 40

30 30

20 20

21.39  
**139 + 50.00**

10 10



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



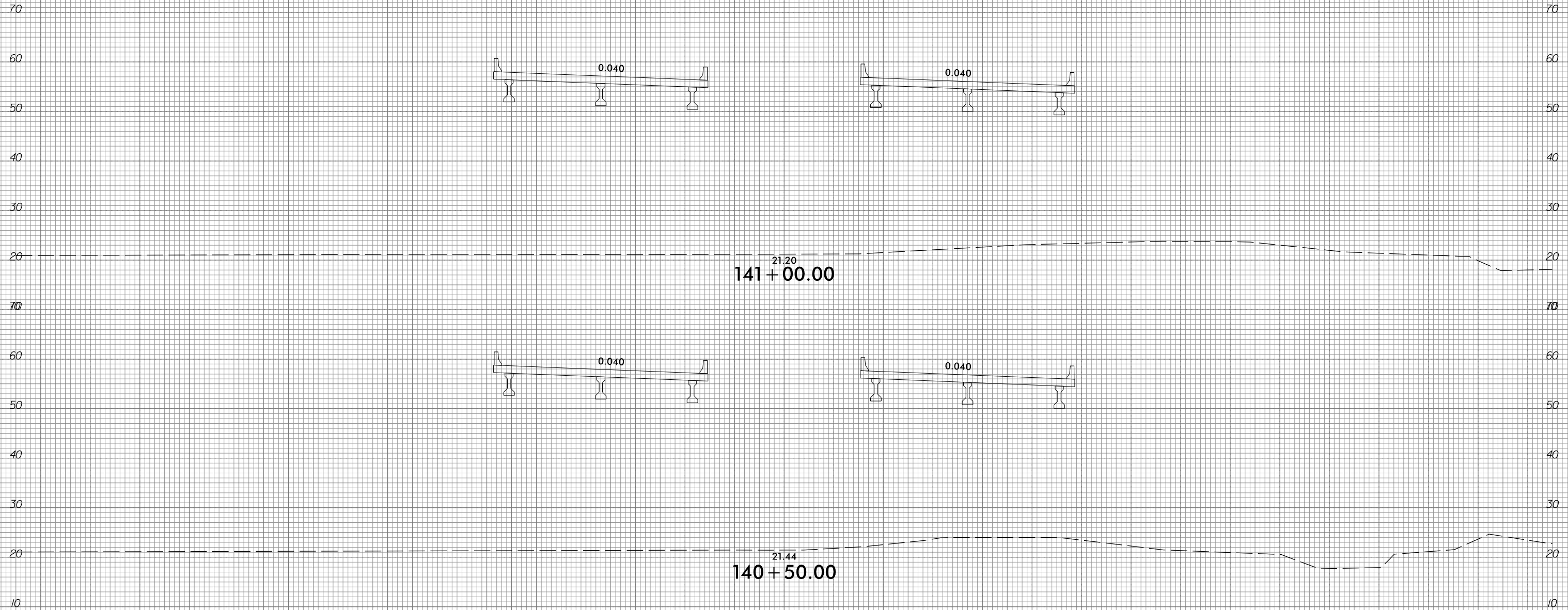
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-52

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



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gncdlin

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

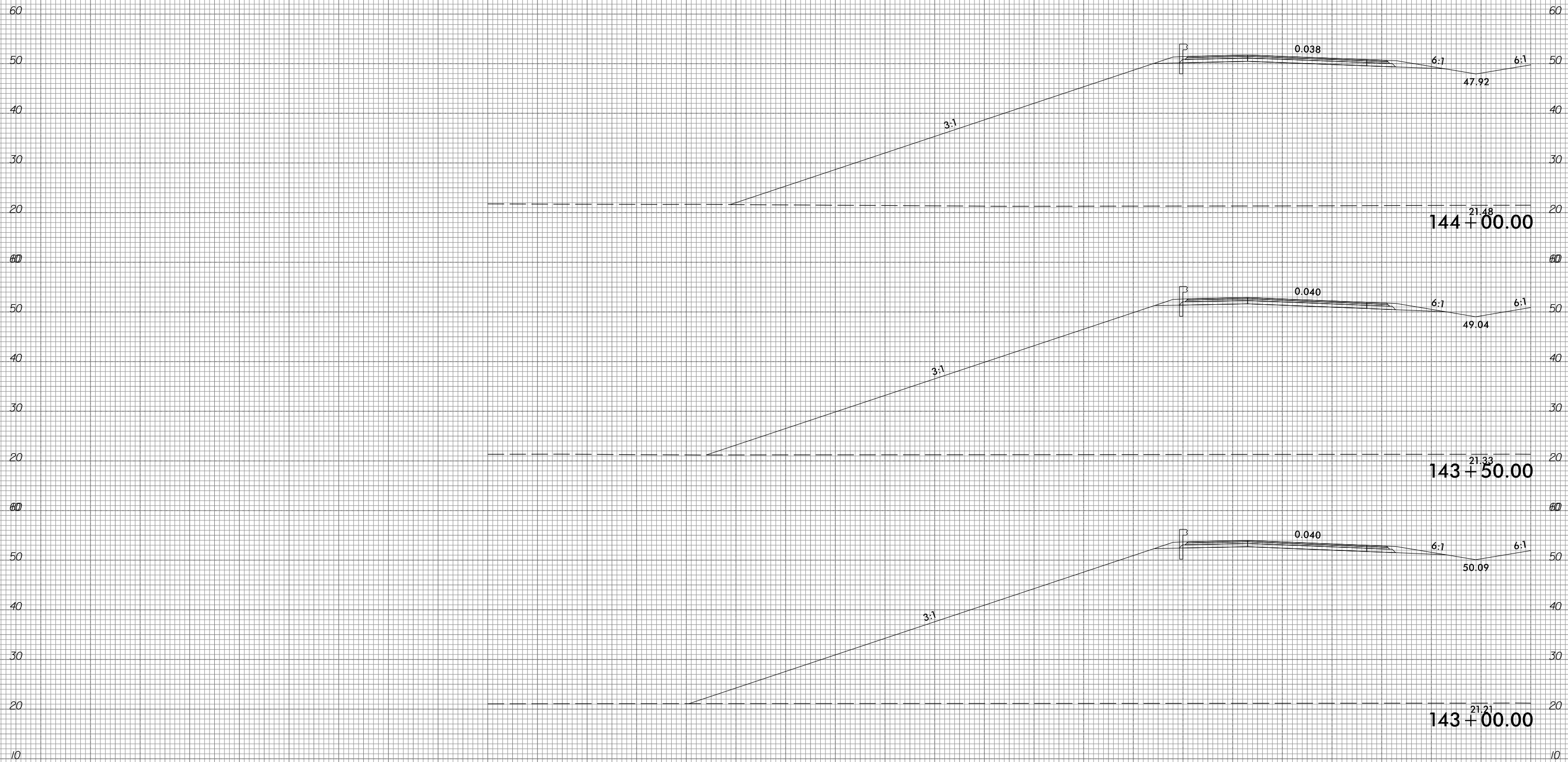
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-54

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



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

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gncdlin

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-55

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-55

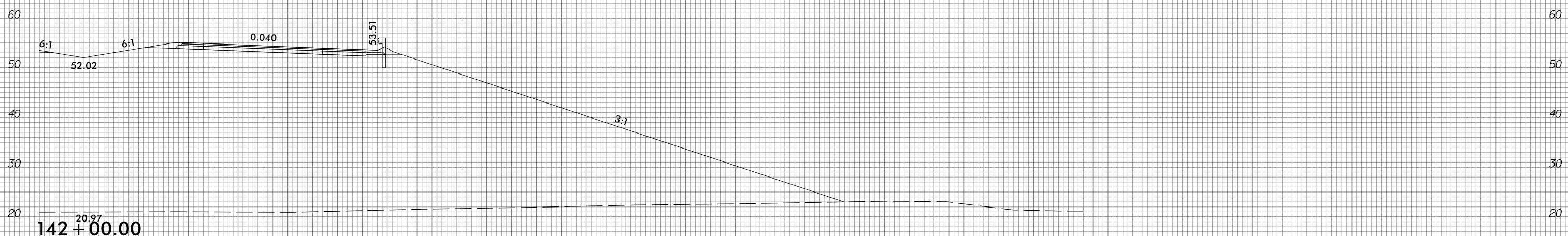
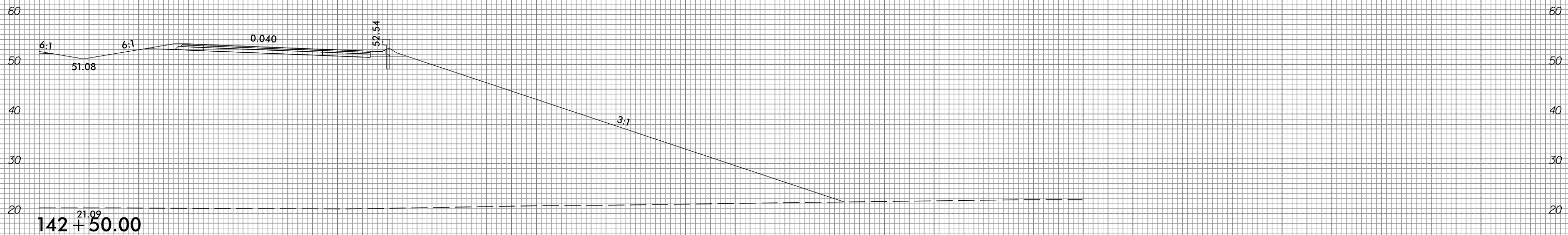
290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10



10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
 gncdlin

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

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



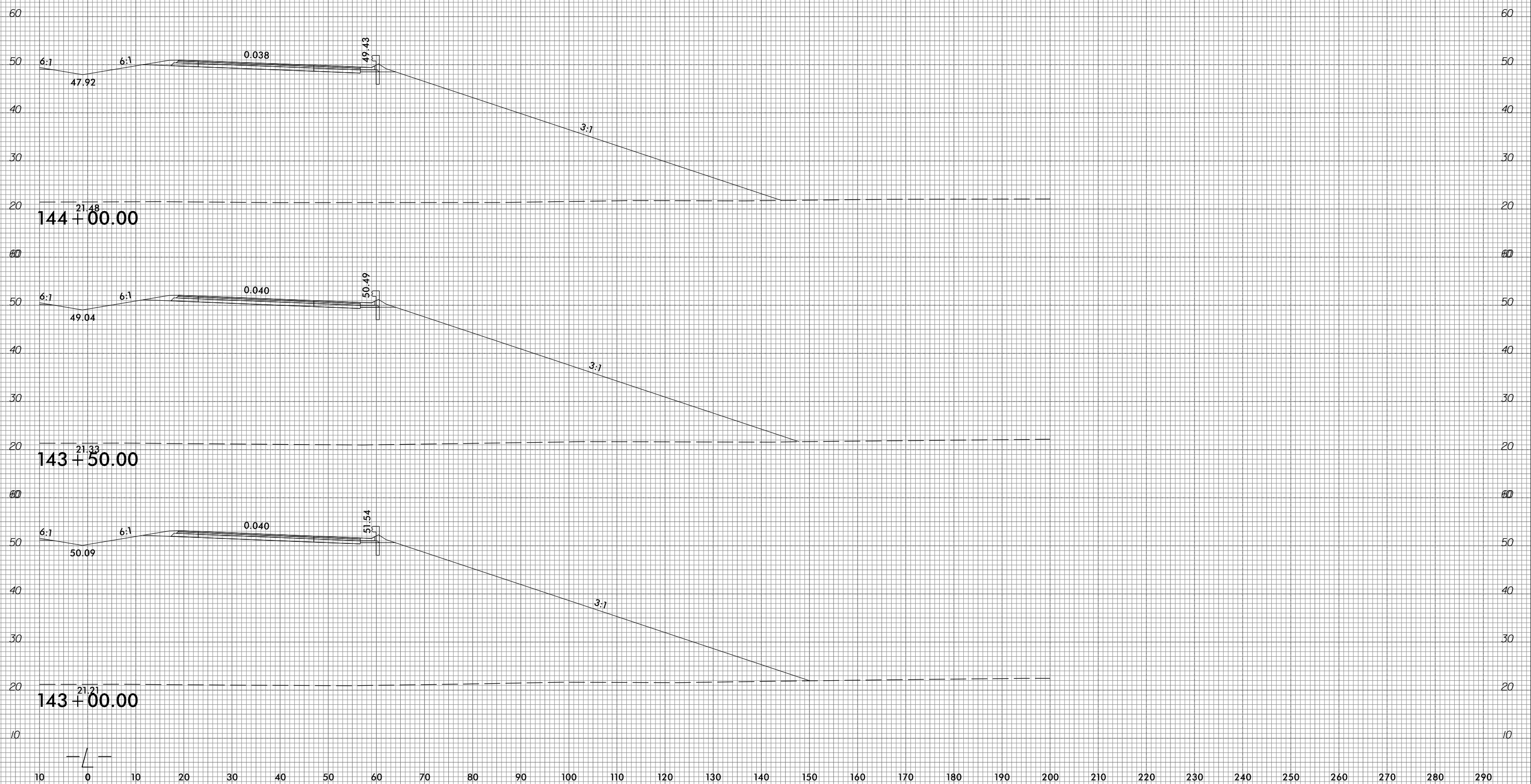
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290

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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-57

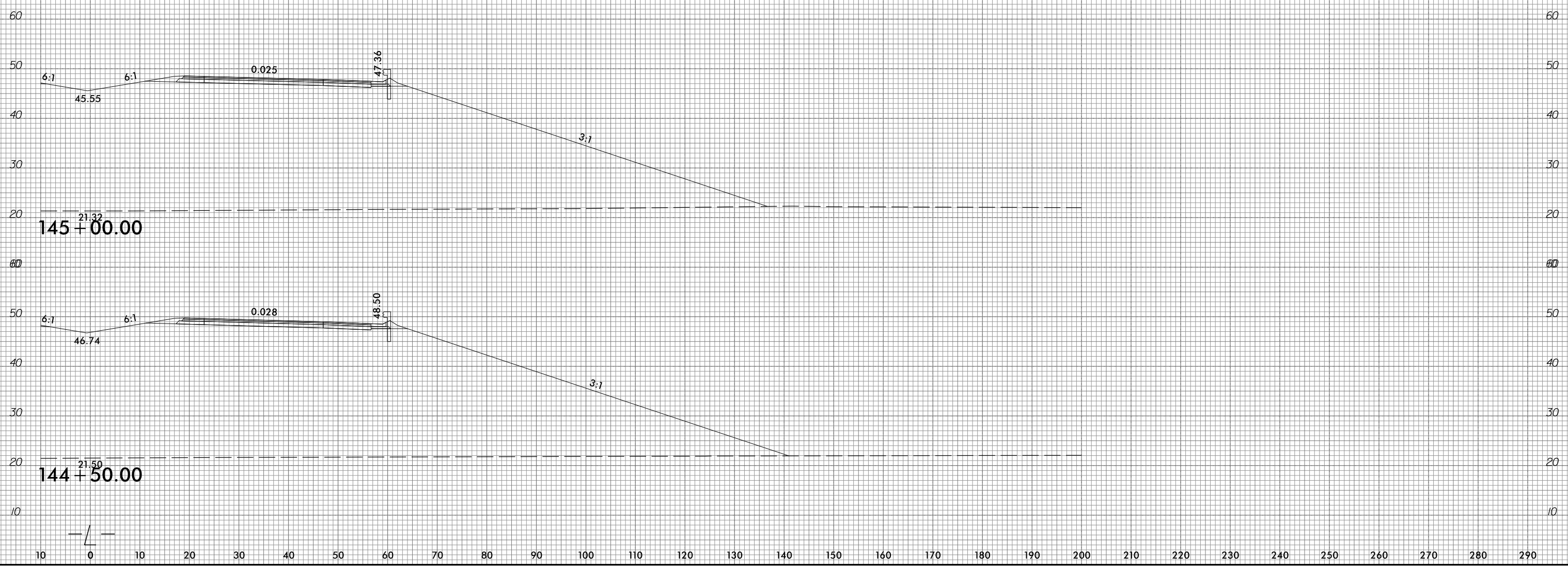
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290



10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc31in



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



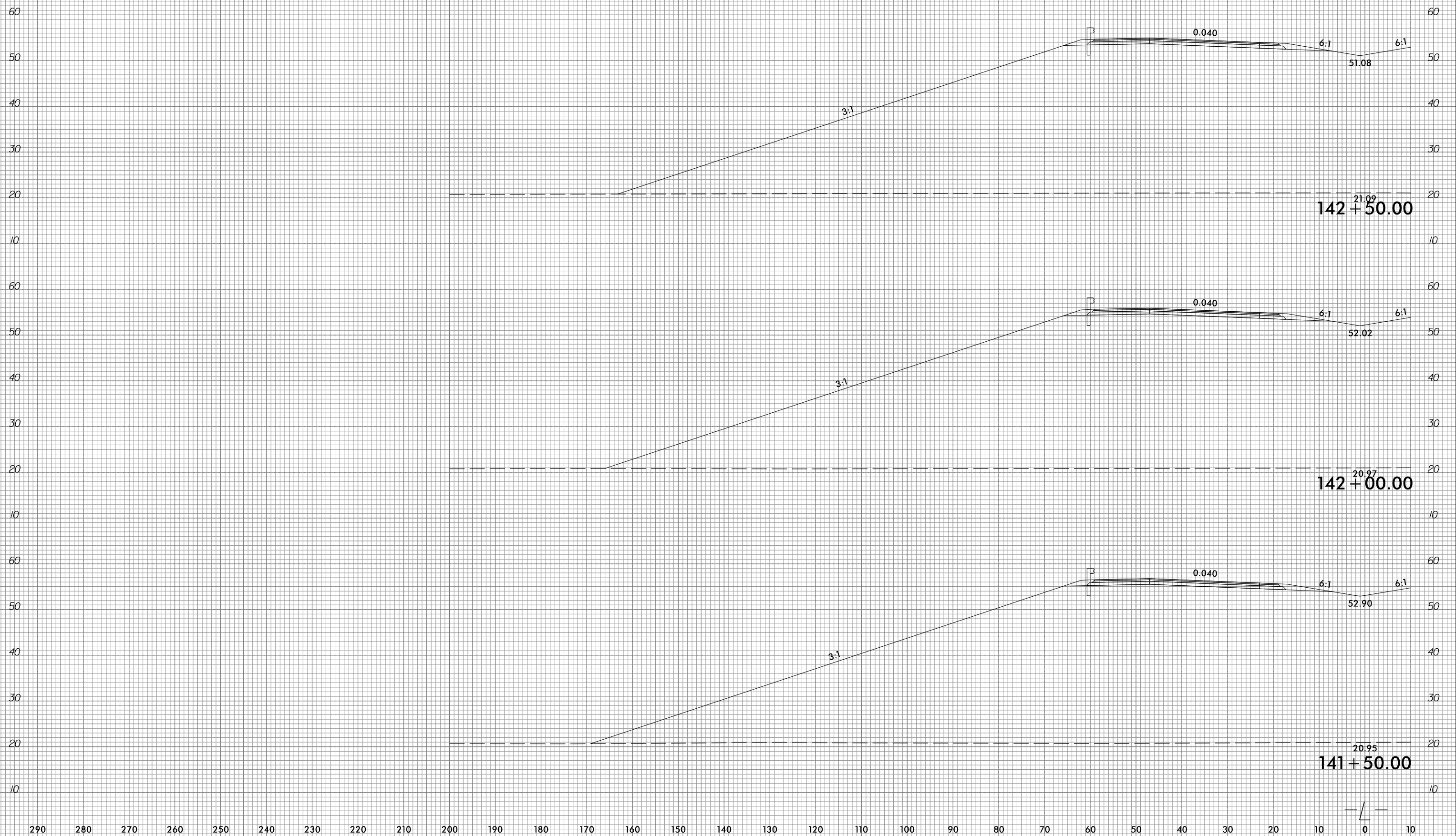
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-53

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



10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gncdjin

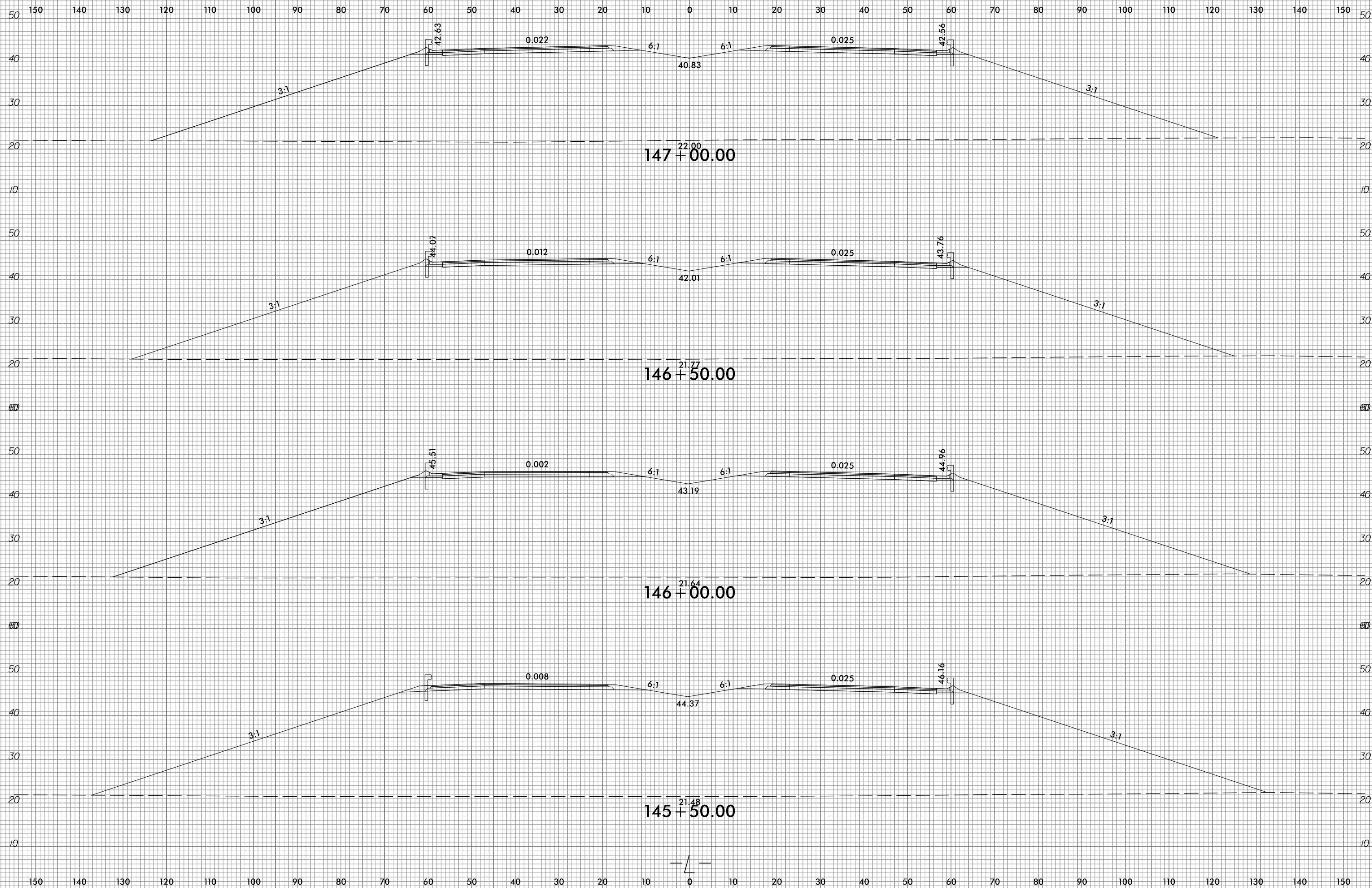
290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-59



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G:\RA\9729-02\CAD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gmc311



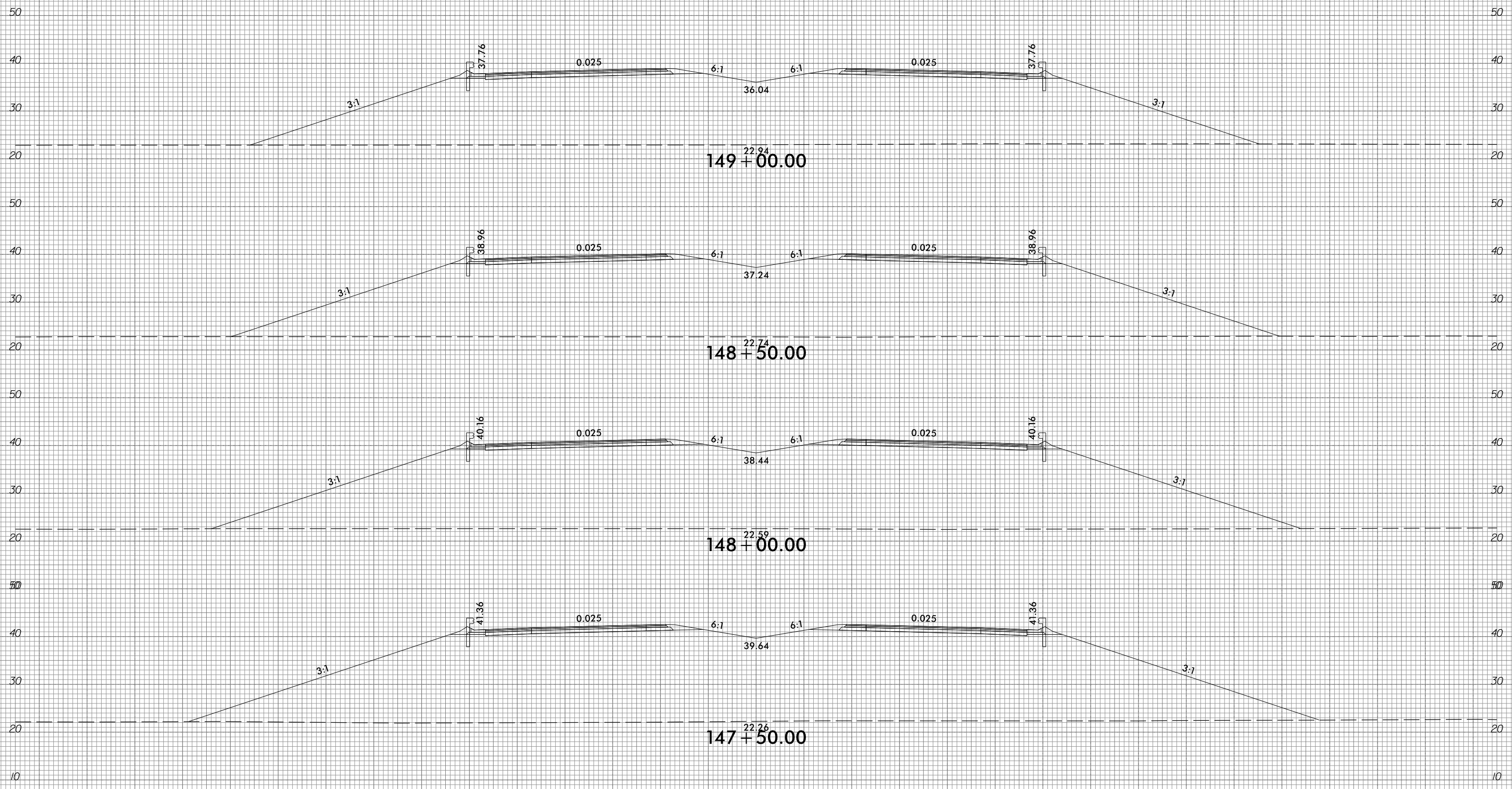
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-60

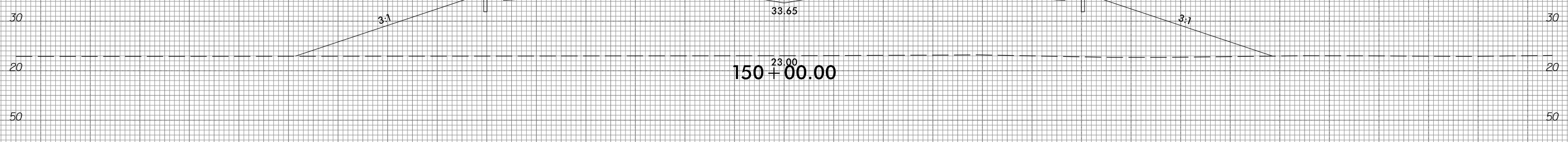
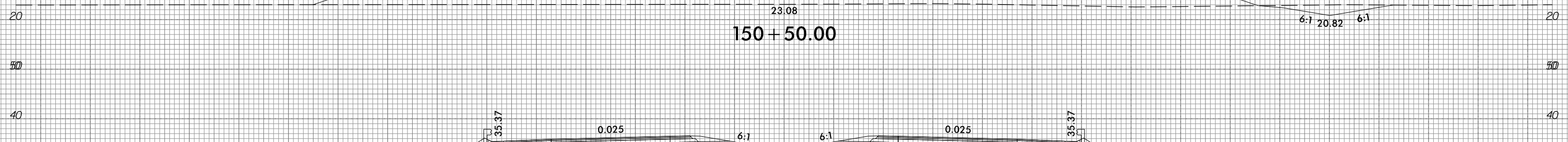
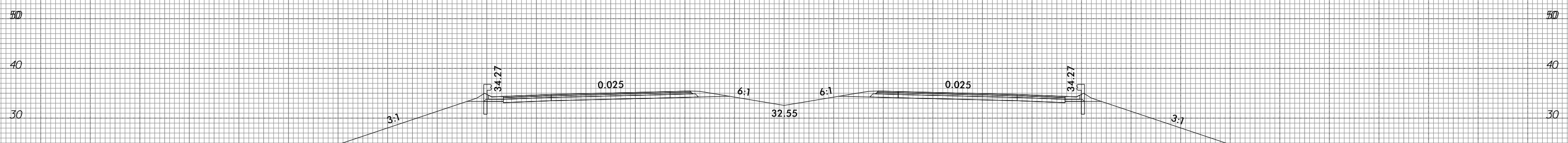
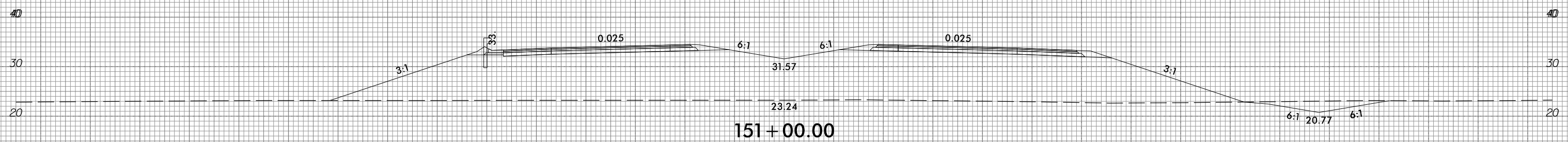
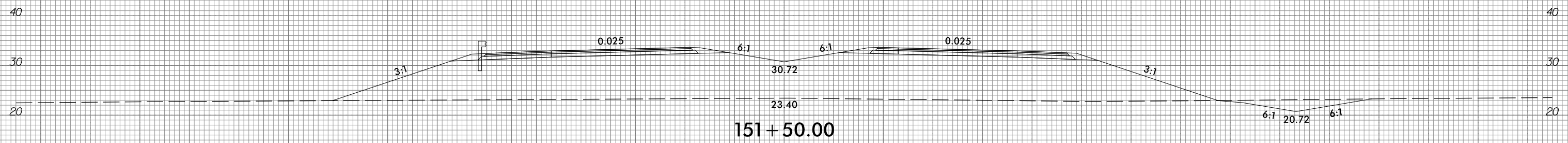
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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gncdlin

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

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

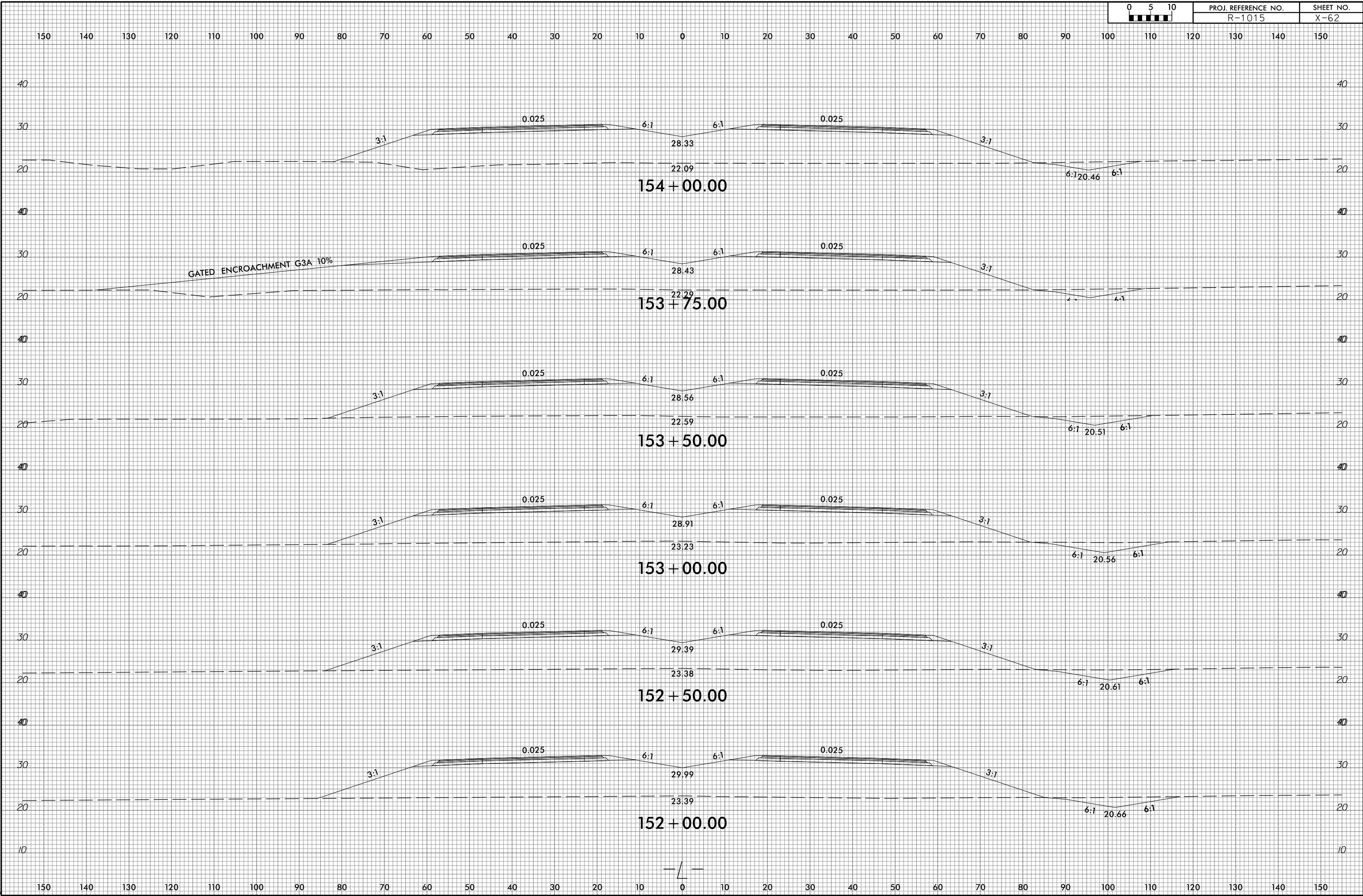


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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R-1015	X-62



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 gmc31in

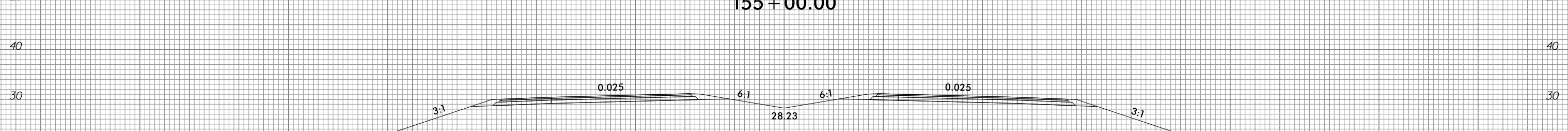
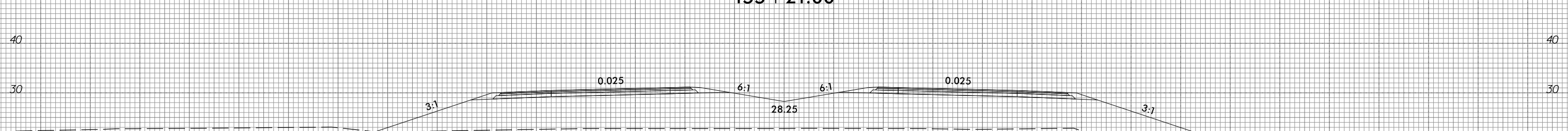
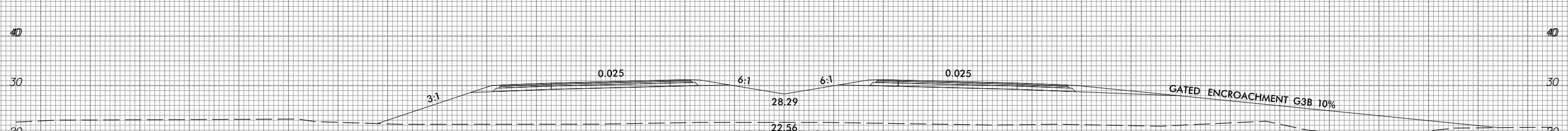
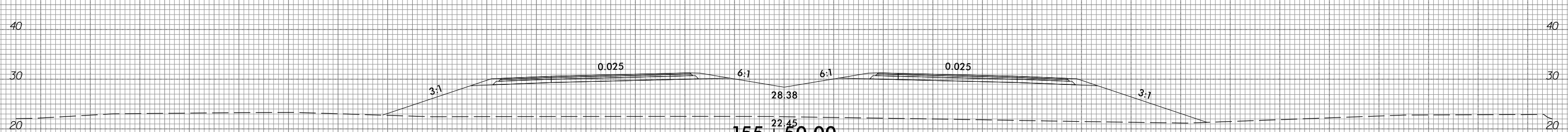
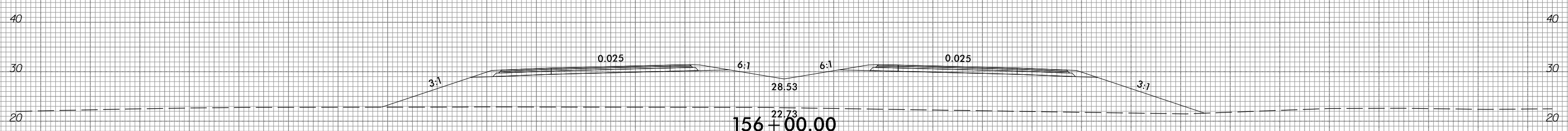
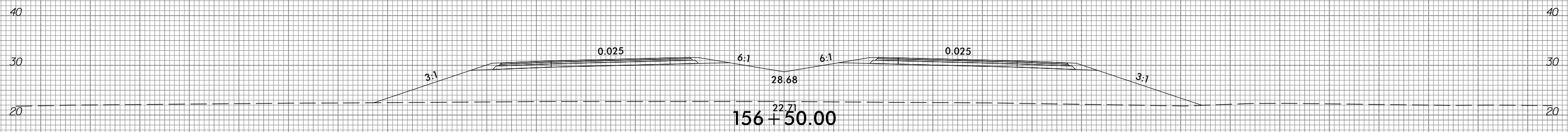
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-63

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



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

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gncdlin

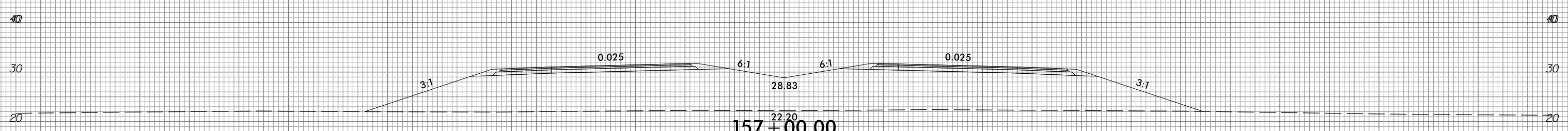
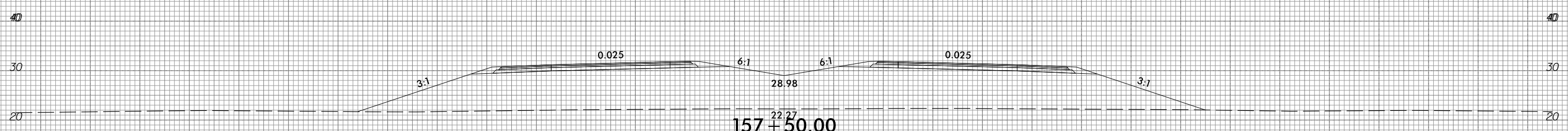
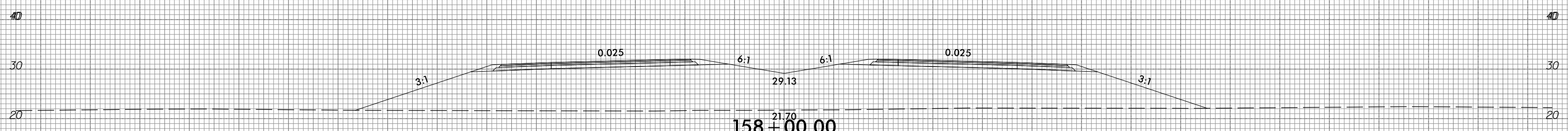
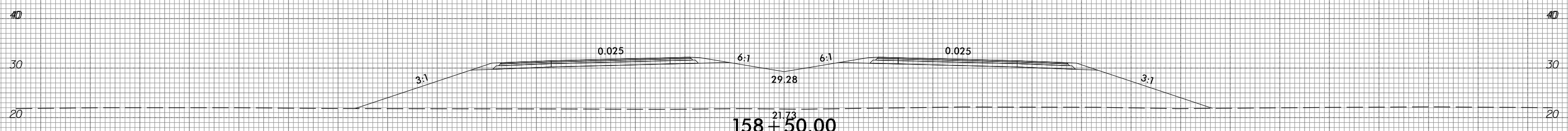
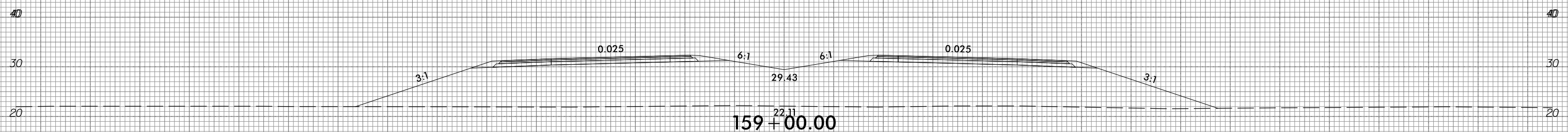
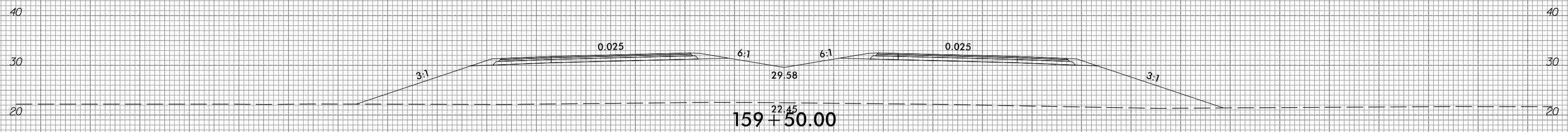
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-64

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



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

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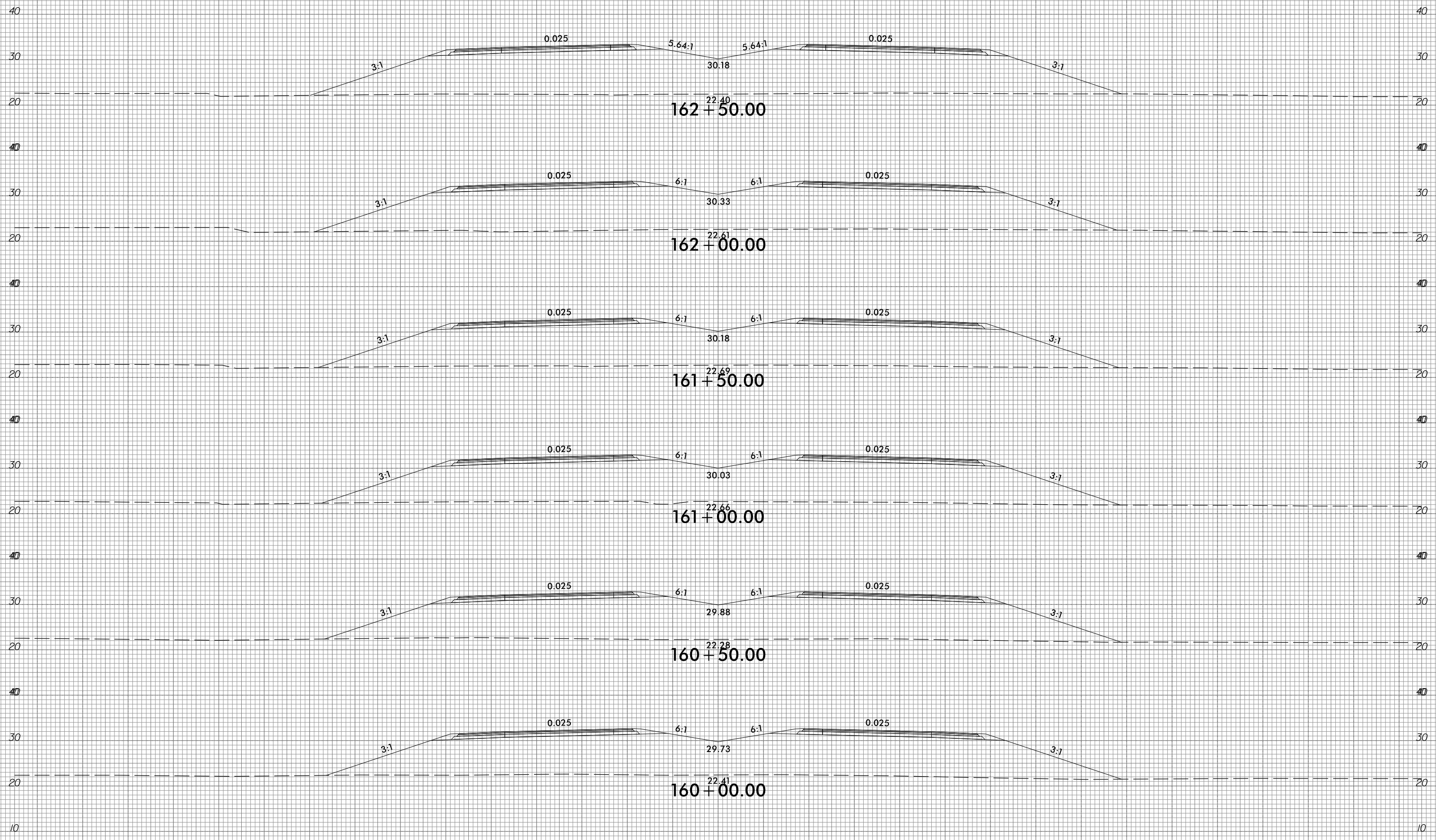
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-65

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



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G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin

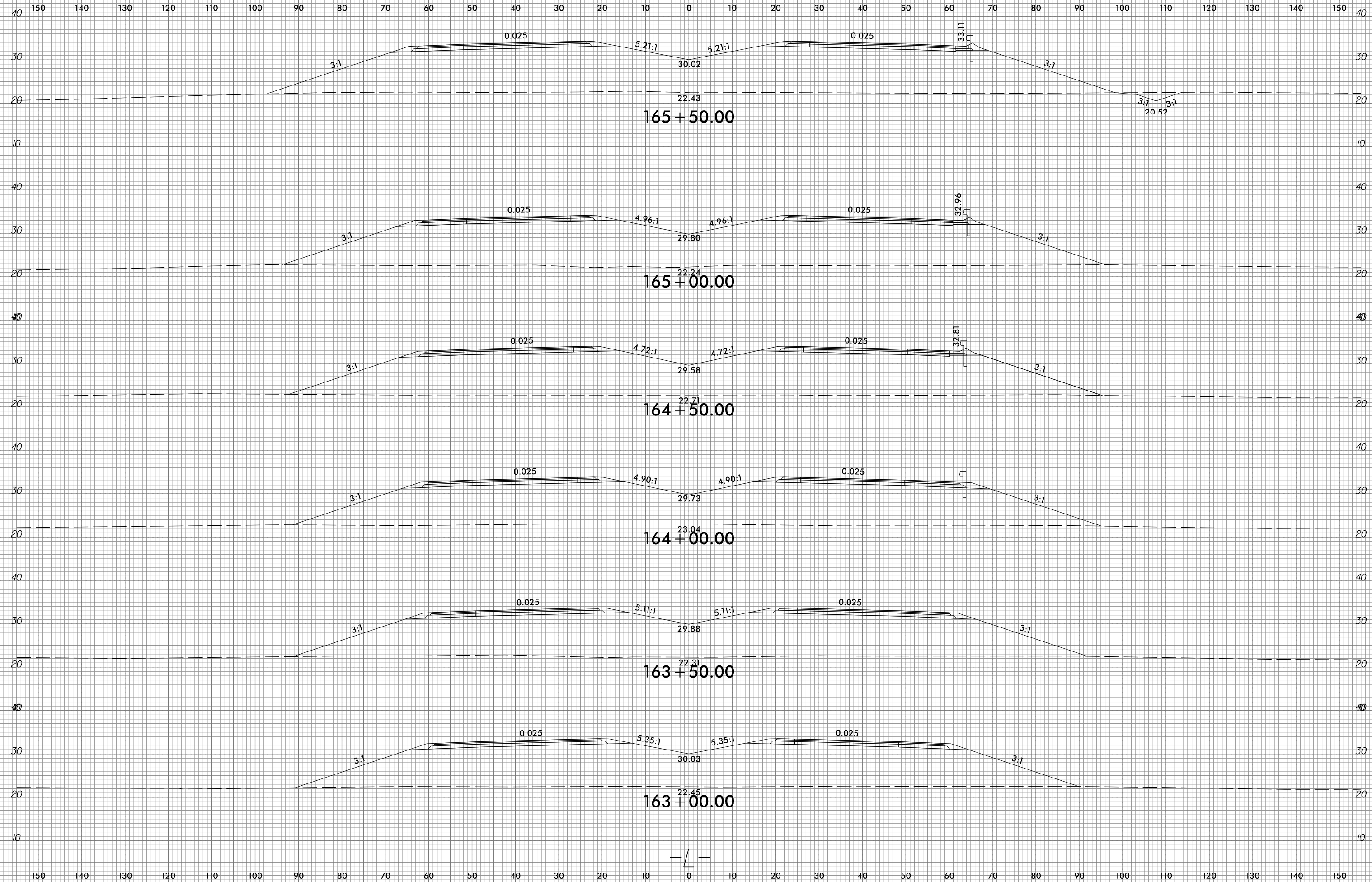
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SHEET NO.  
X-66



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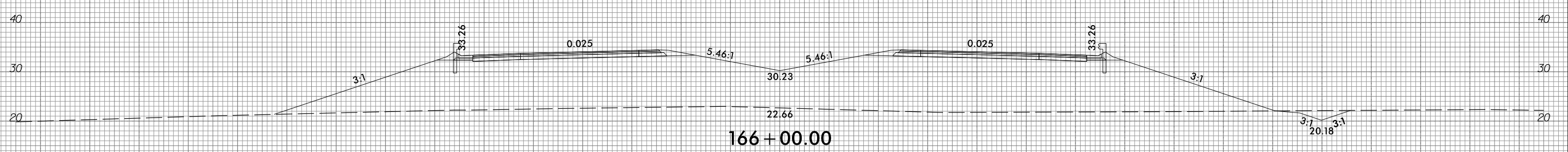
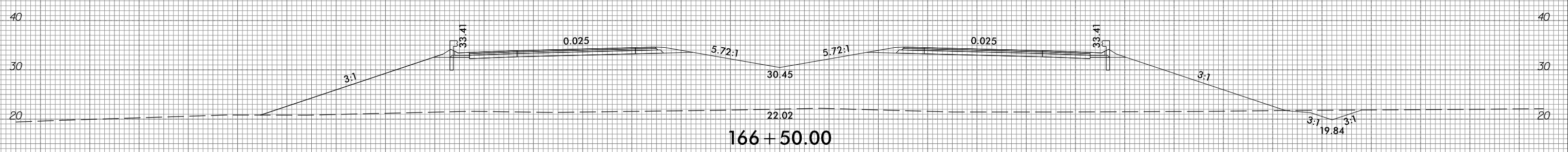
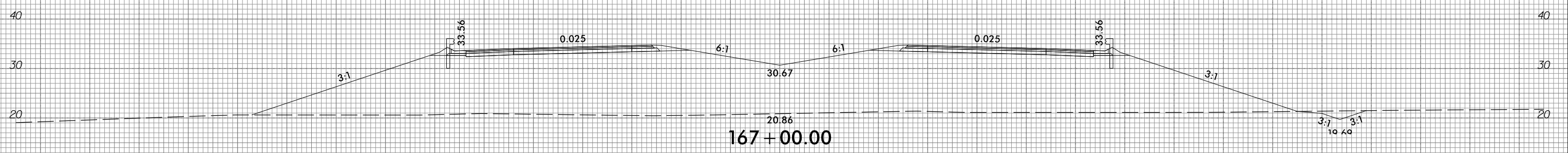
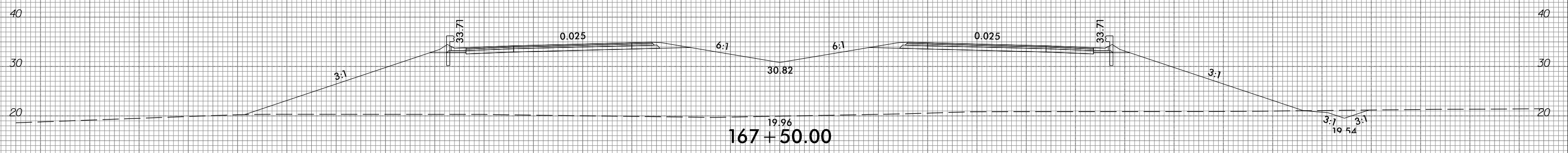
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-67

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



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

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gmc31in

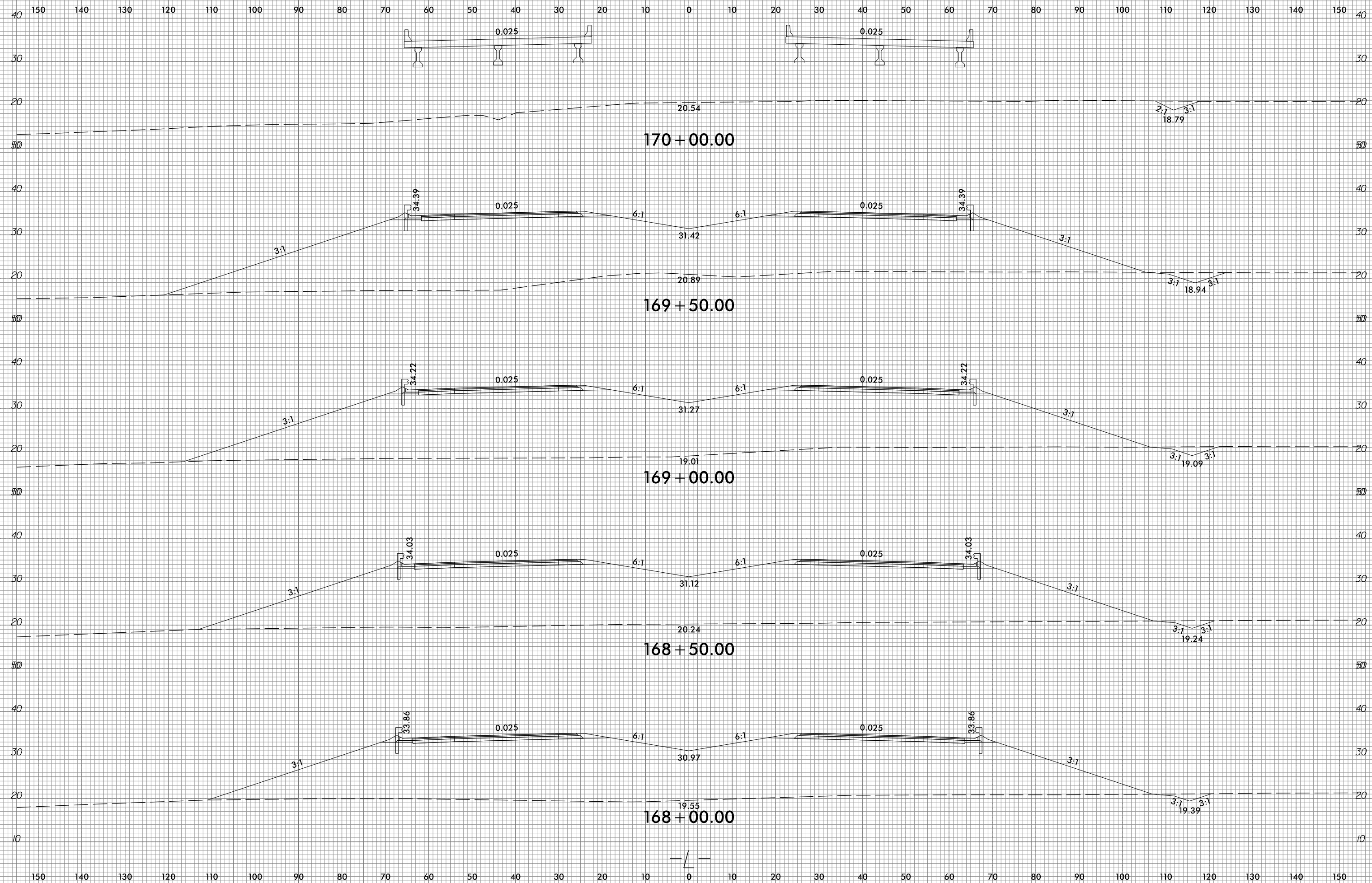


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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-68



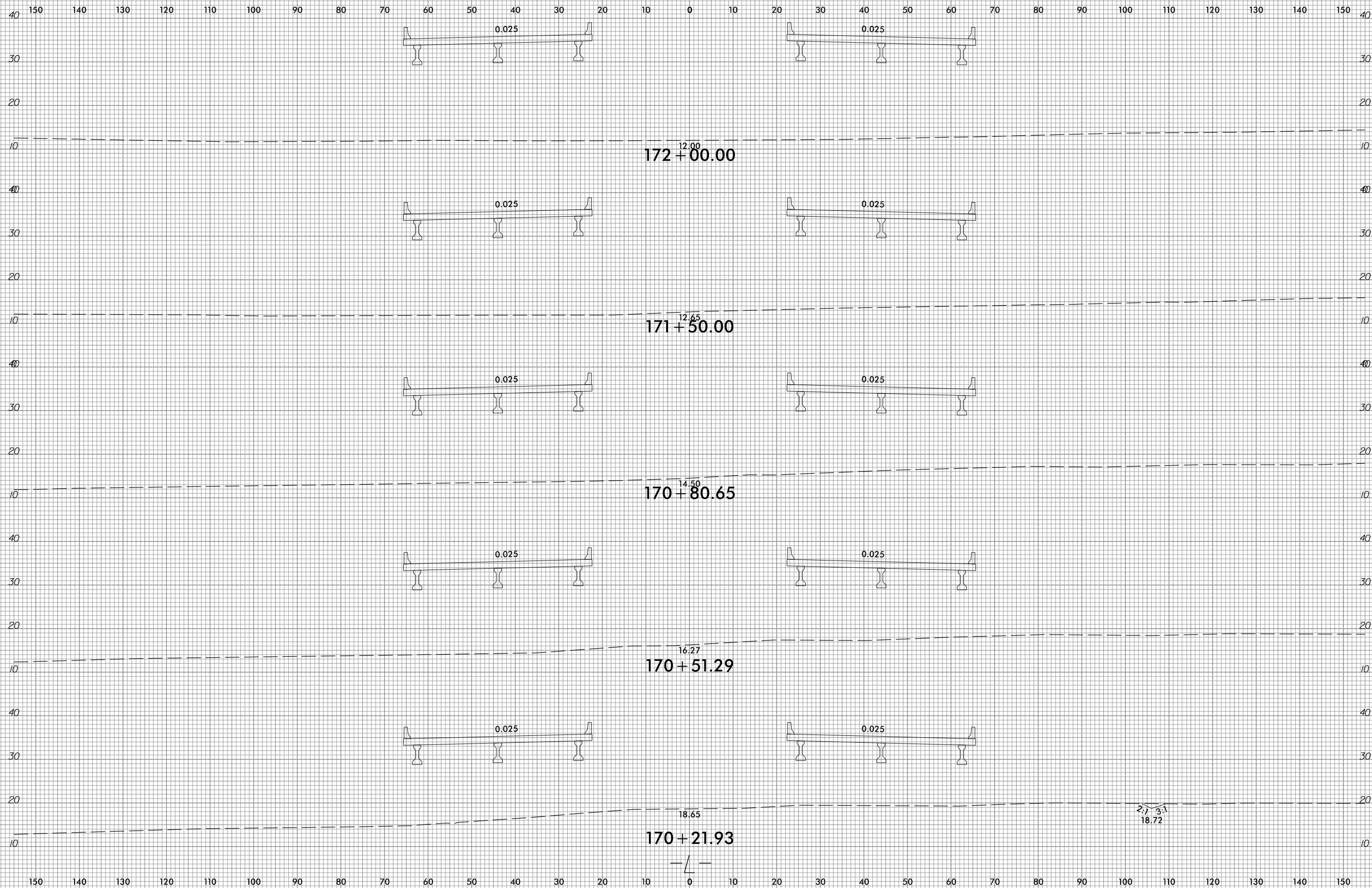
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PROJ. REFERENCE NO.  
R-1015

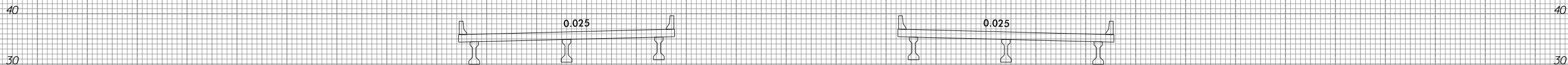
SHEET NO.  
X-69



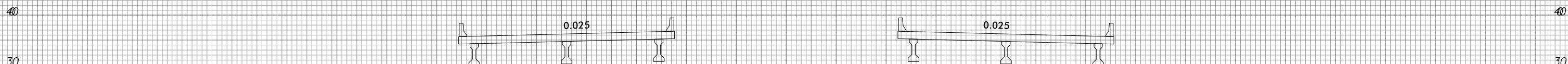
10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
gncdlin



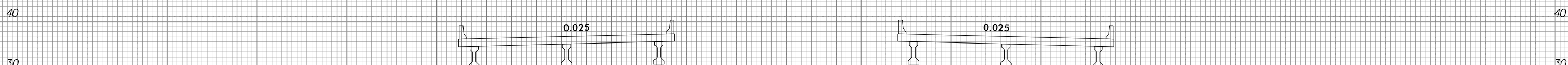
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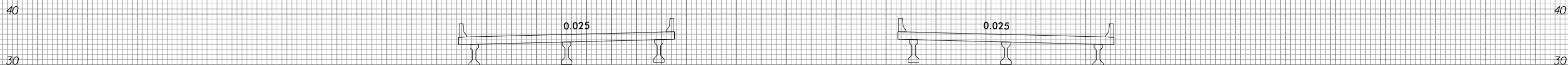
174+00.00  
12.31



173+50.00  
12.05



173+00.00  
11.76



172+50.00  
12.05

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

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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-71

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

50

50

40

40

30

30

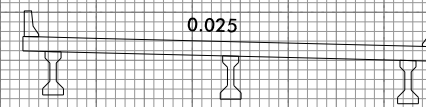
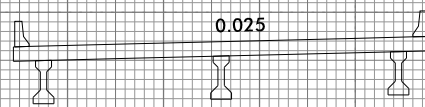
20

20

10

10

<sup>13.77</sup>  
176+00.00



40

40

30

30

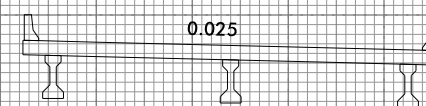
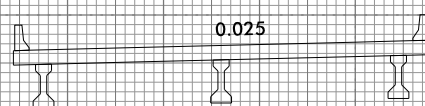
20

20

10

10

<sup>13.27</sup>  
175+50.00



40

40

30

30

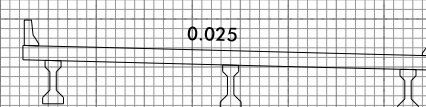
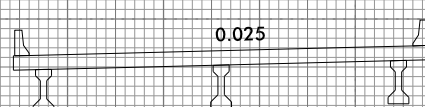
20

20

10

10

<sup>12.49</sup>  
175+00.00



40

40

30

30

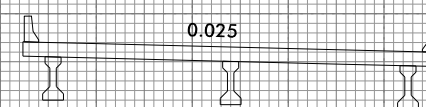
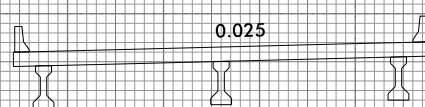
20

20

10

10

<sup>12.68</sup>  
174+50.00



0

0



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

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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-72

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

50 50

40 40

30 30

20 20

<sup>17.21</sup>  
178 + 00.00

50 50

40 40

30 30

20 20

<sup>15.69</sup>  
177 + 50.00

50 50

40 40

30 30

20 20

<sup>14.68</sup>  
177 + 00.00

50 50

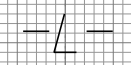
40 40

30 30

20 20

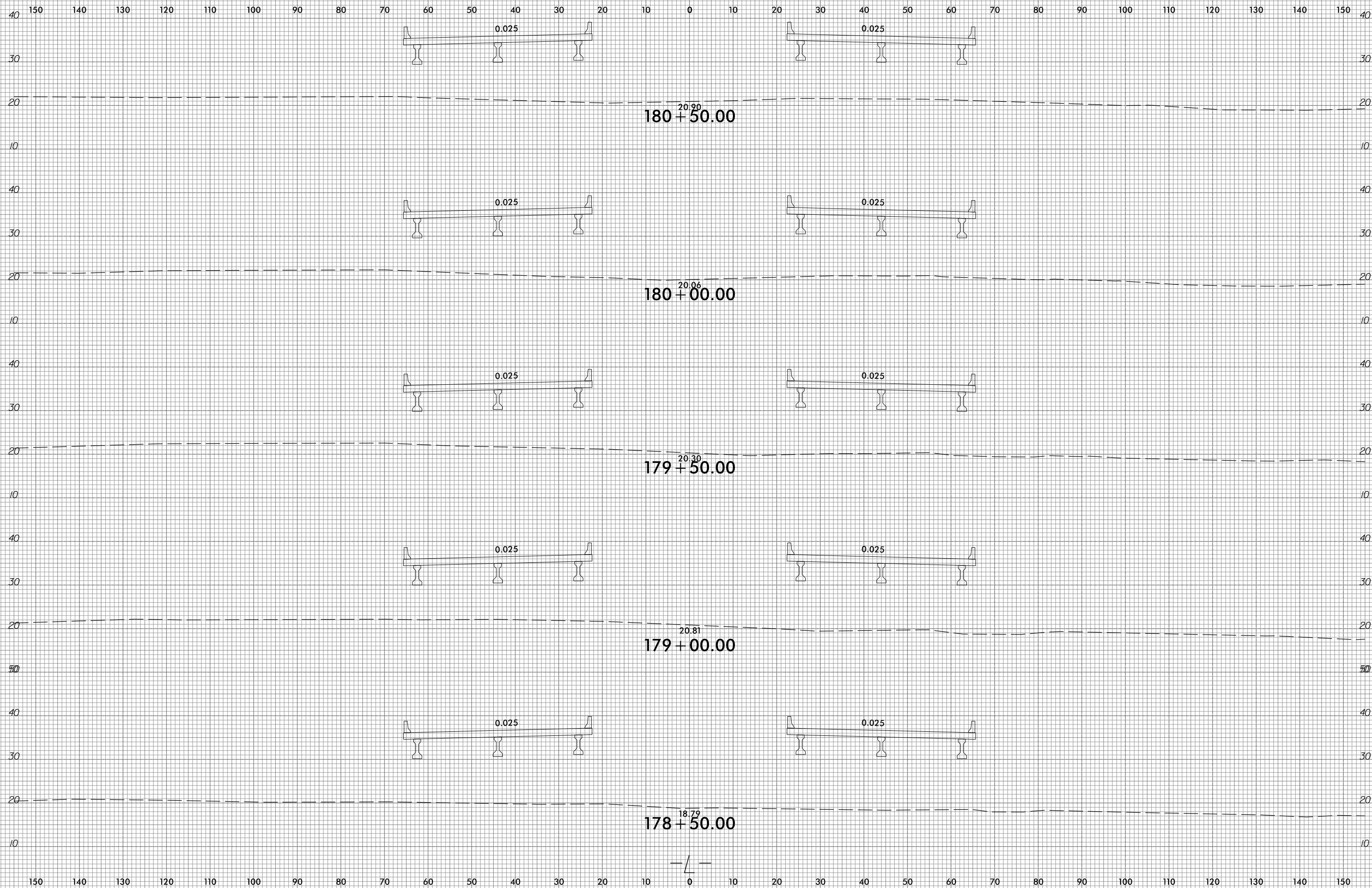
<sup>14.18</sup>  
176 + 50.00

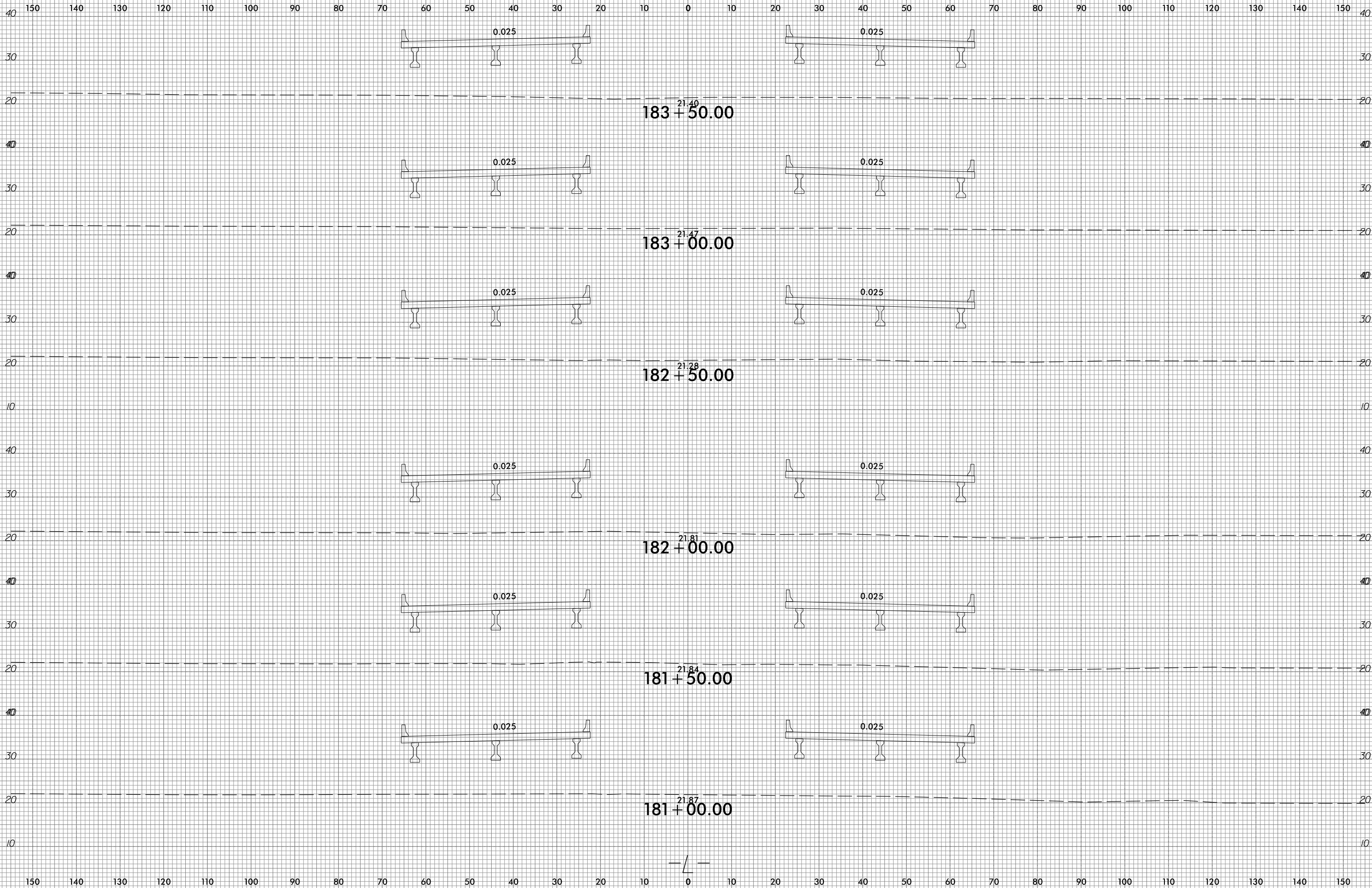
10 10



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

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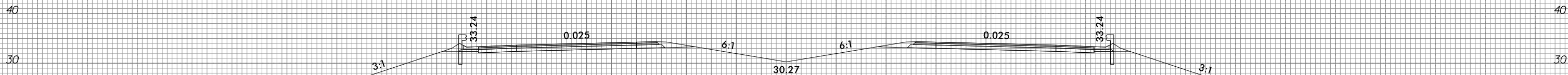
6/23/16



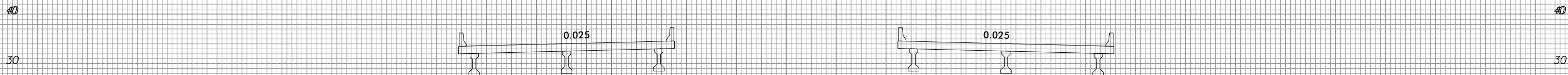
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-75

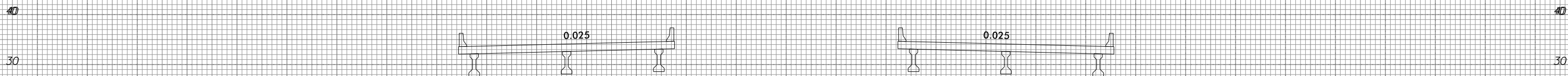
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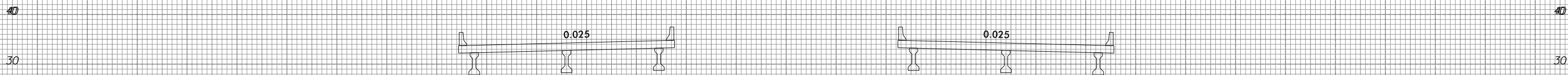
186 + 00.00



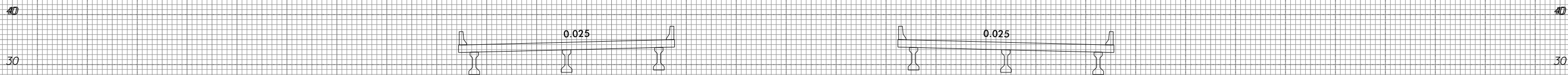
185 + 59.92



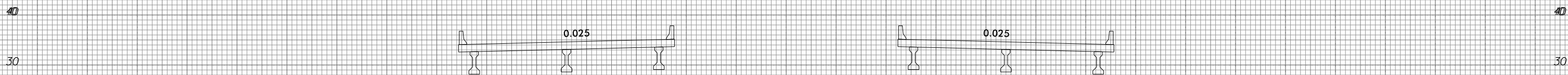
185 + 35.63



185 + 00.00



184 + 50.00



184 + 00.00

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

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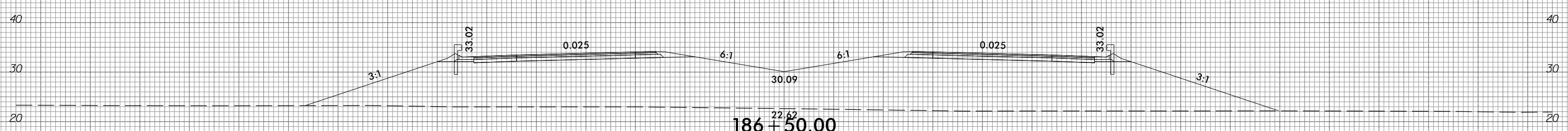
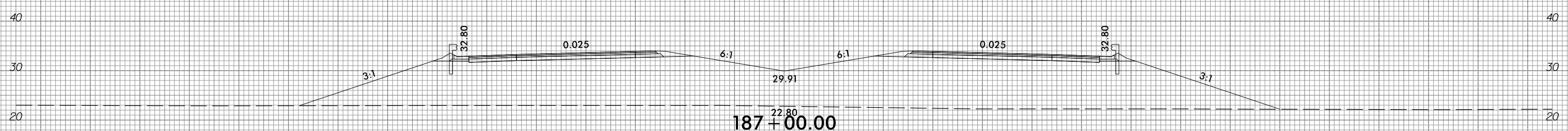
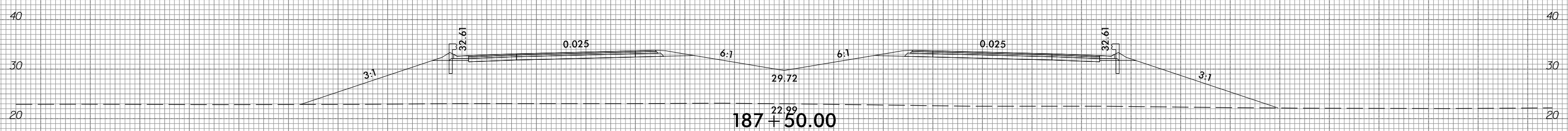
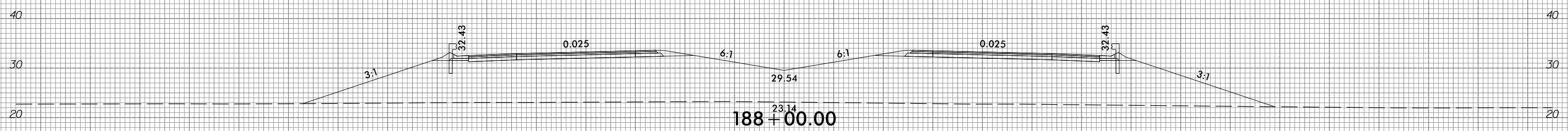
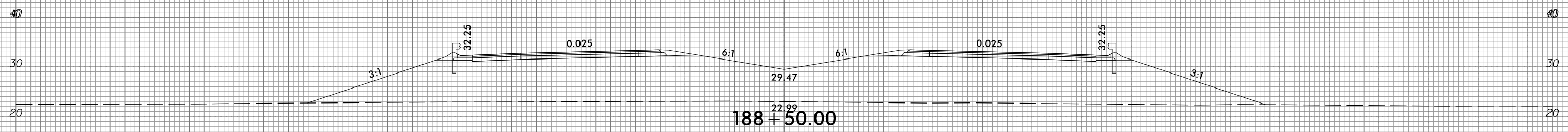
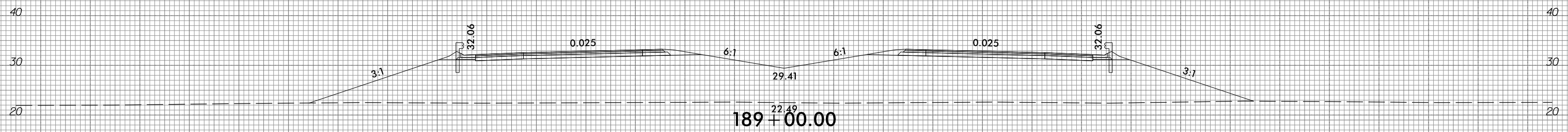
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-76

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



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

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gncdjin

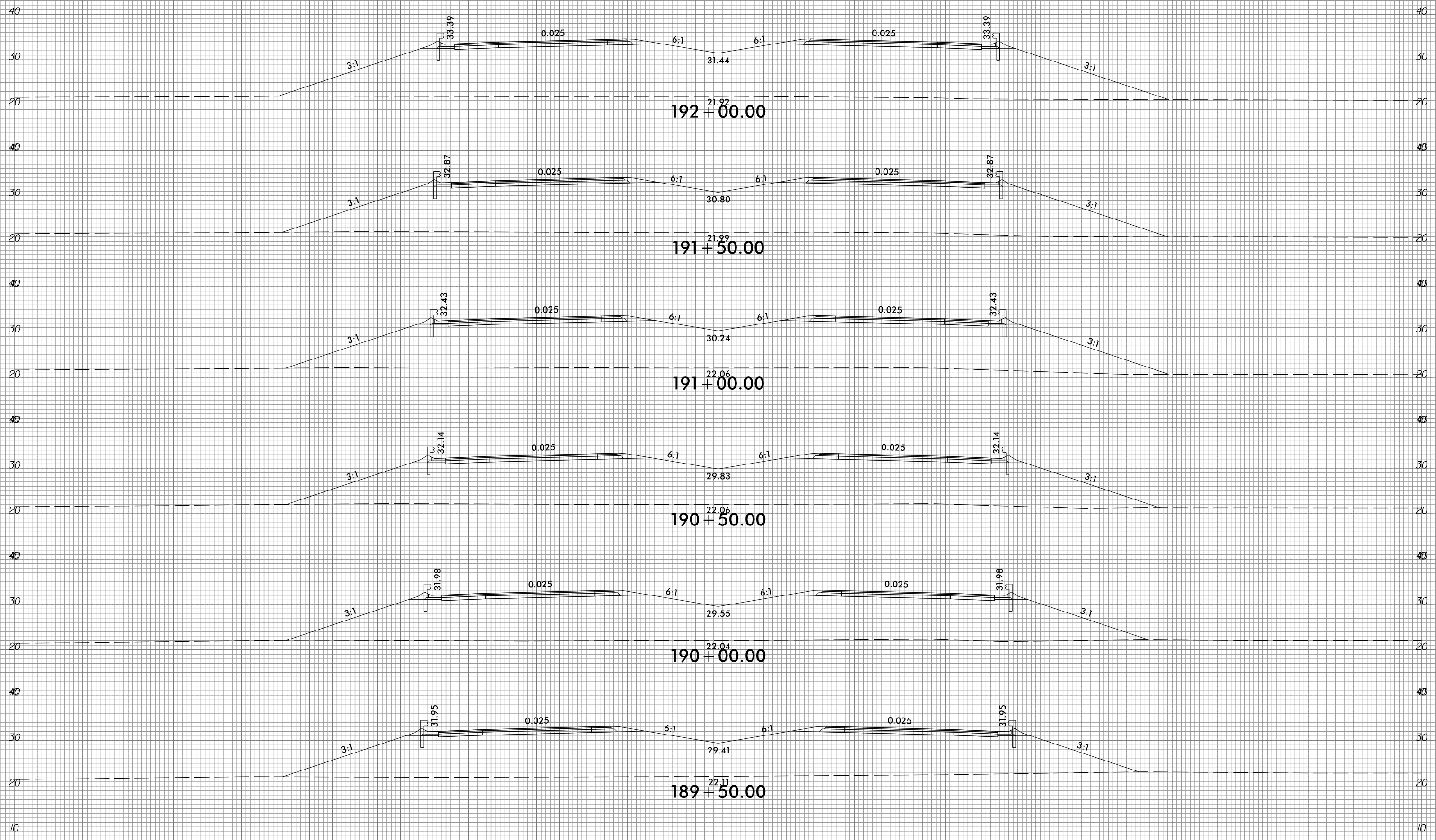
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-77

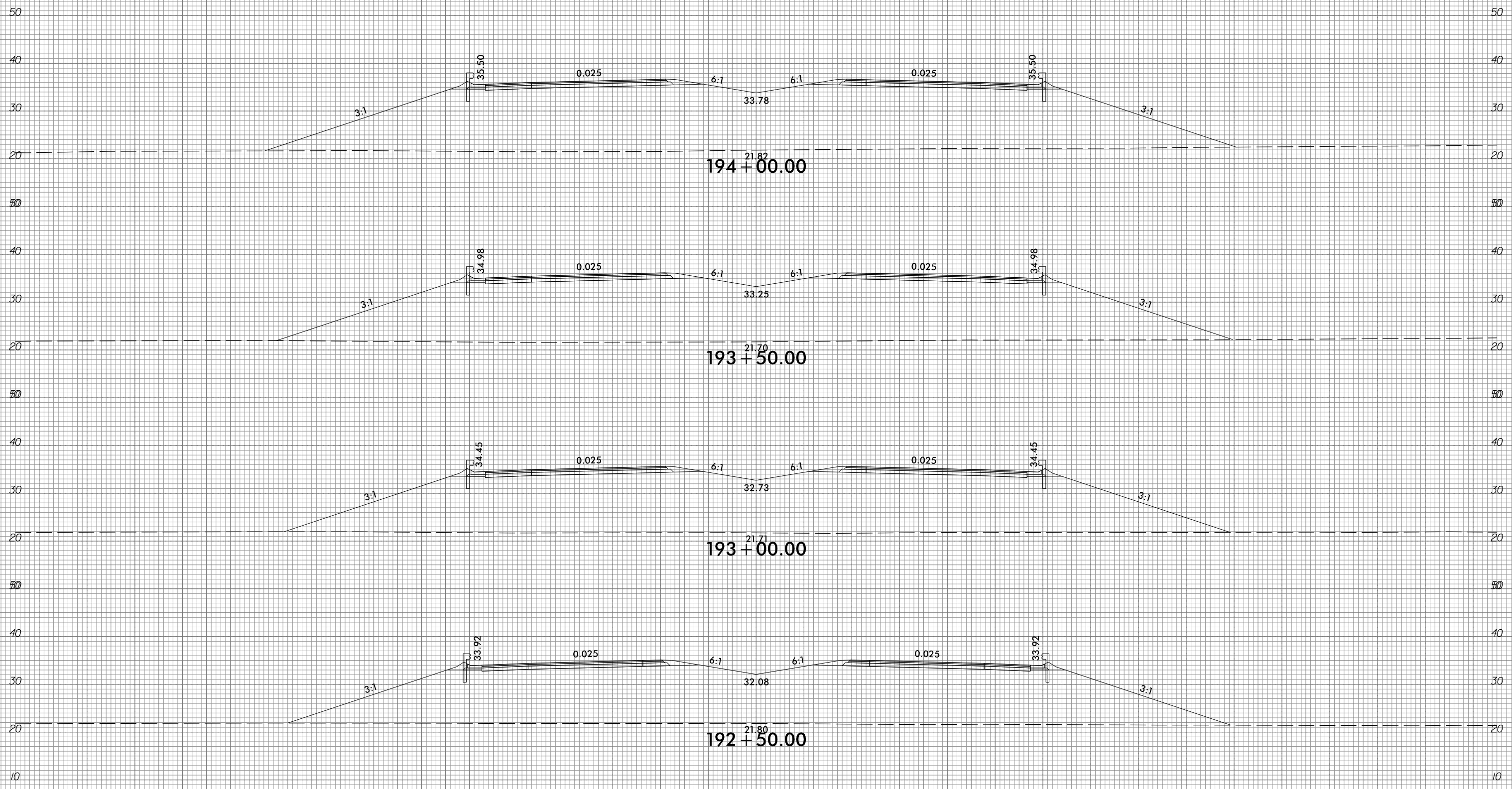
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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

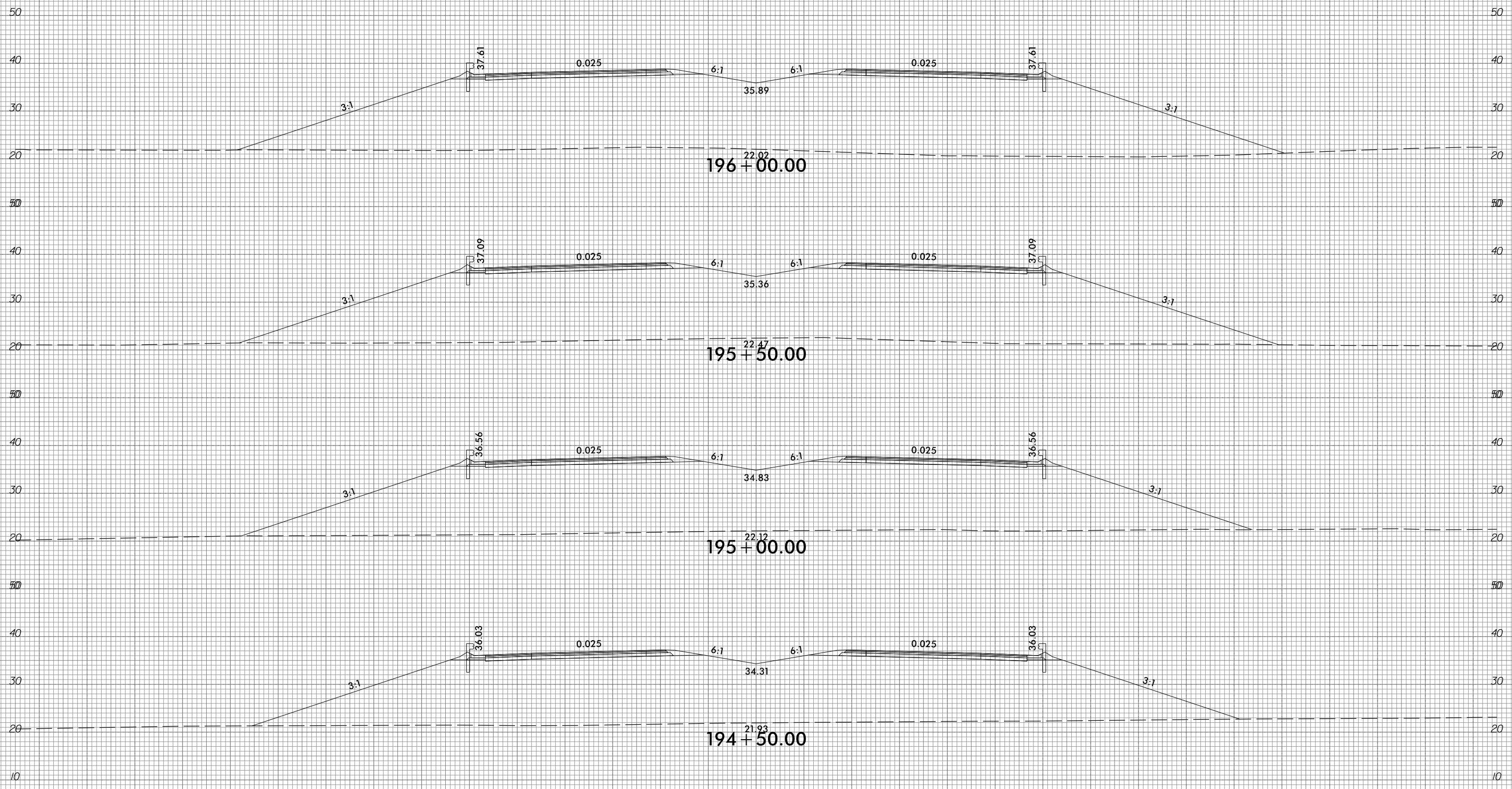
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gncdjin

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



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

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



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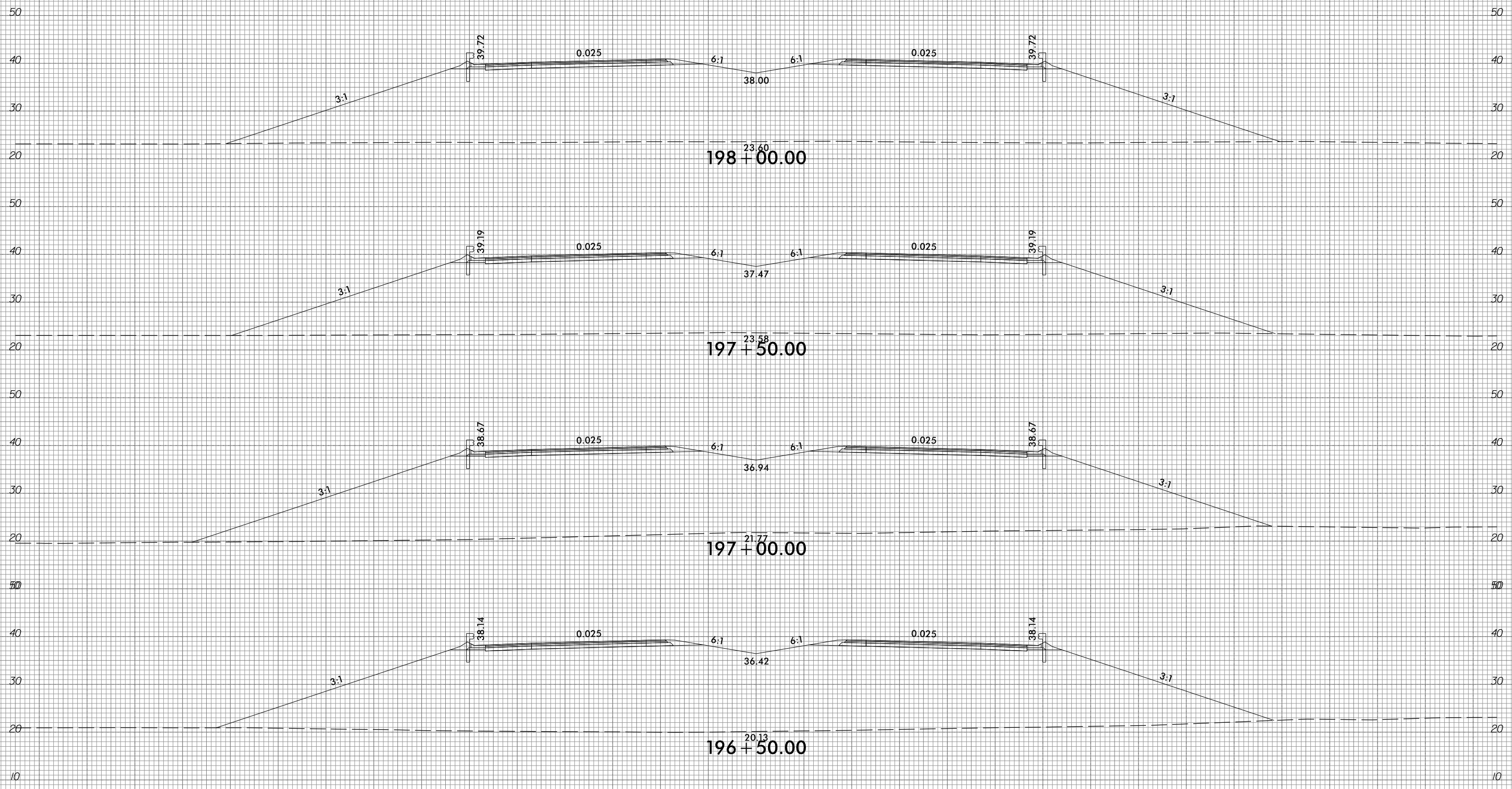
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-80

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



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gncdlin

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

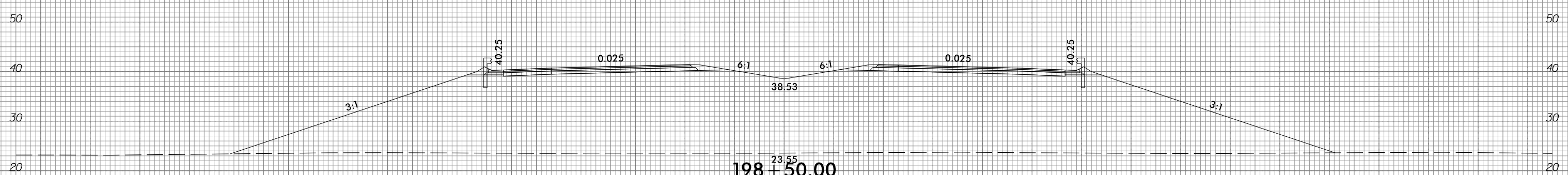
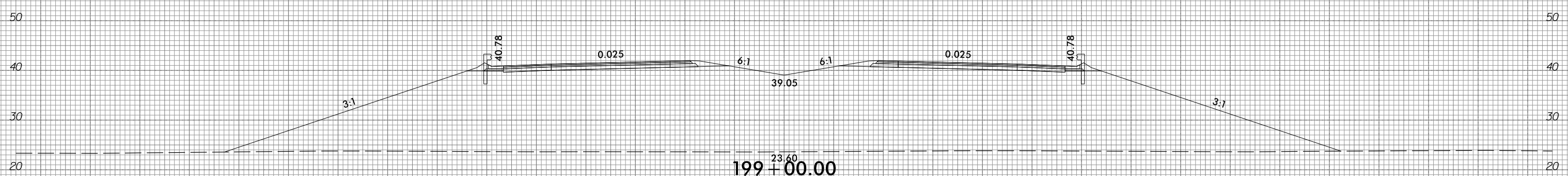
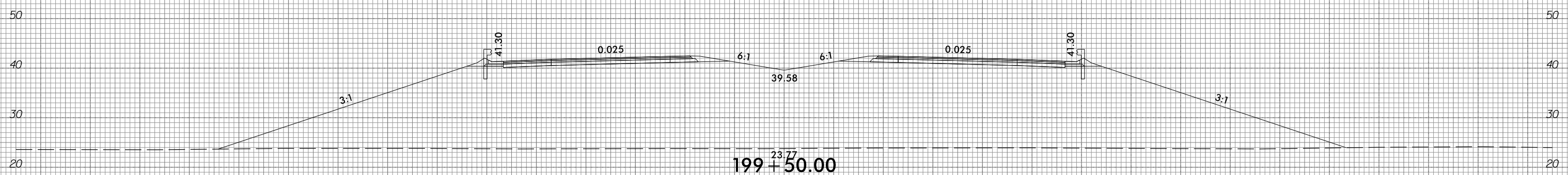
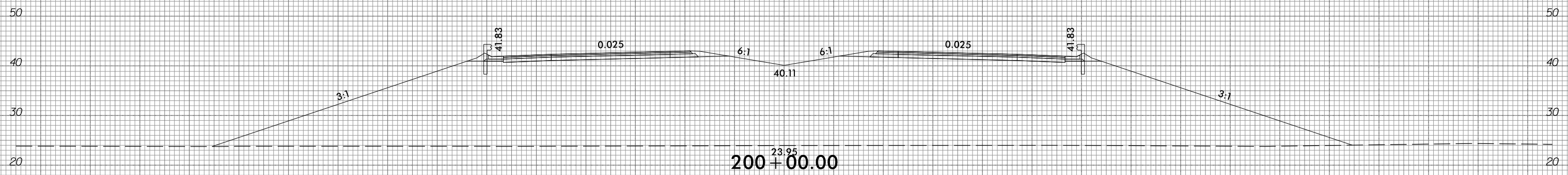
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-81

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



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

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gncdlin

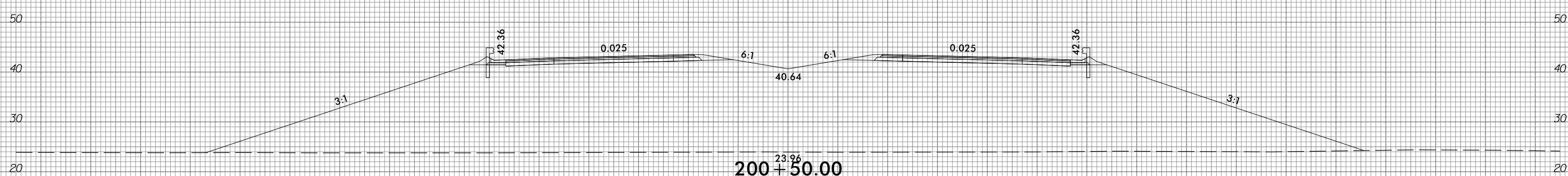
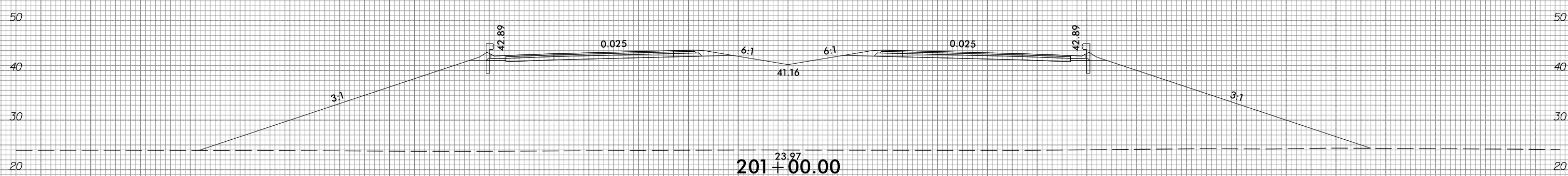
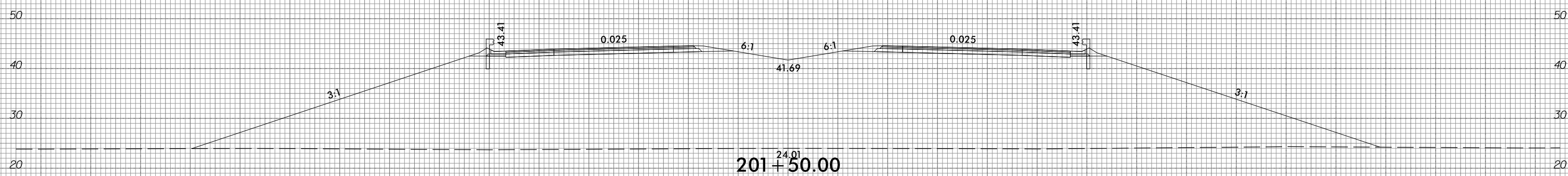
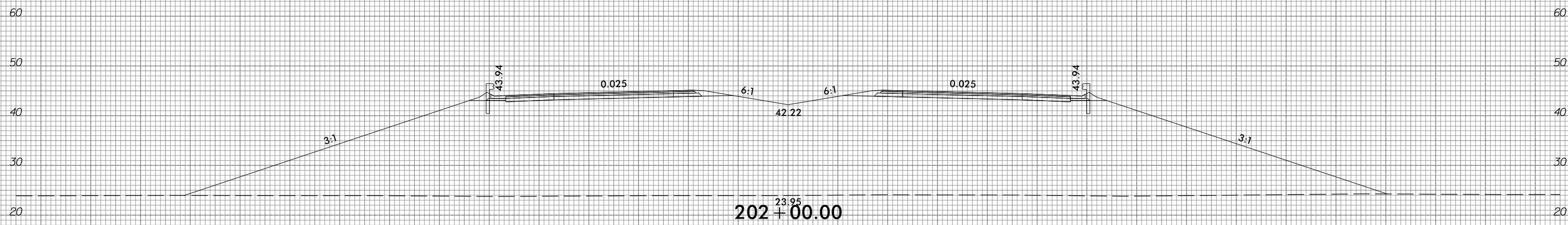
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-82

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



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

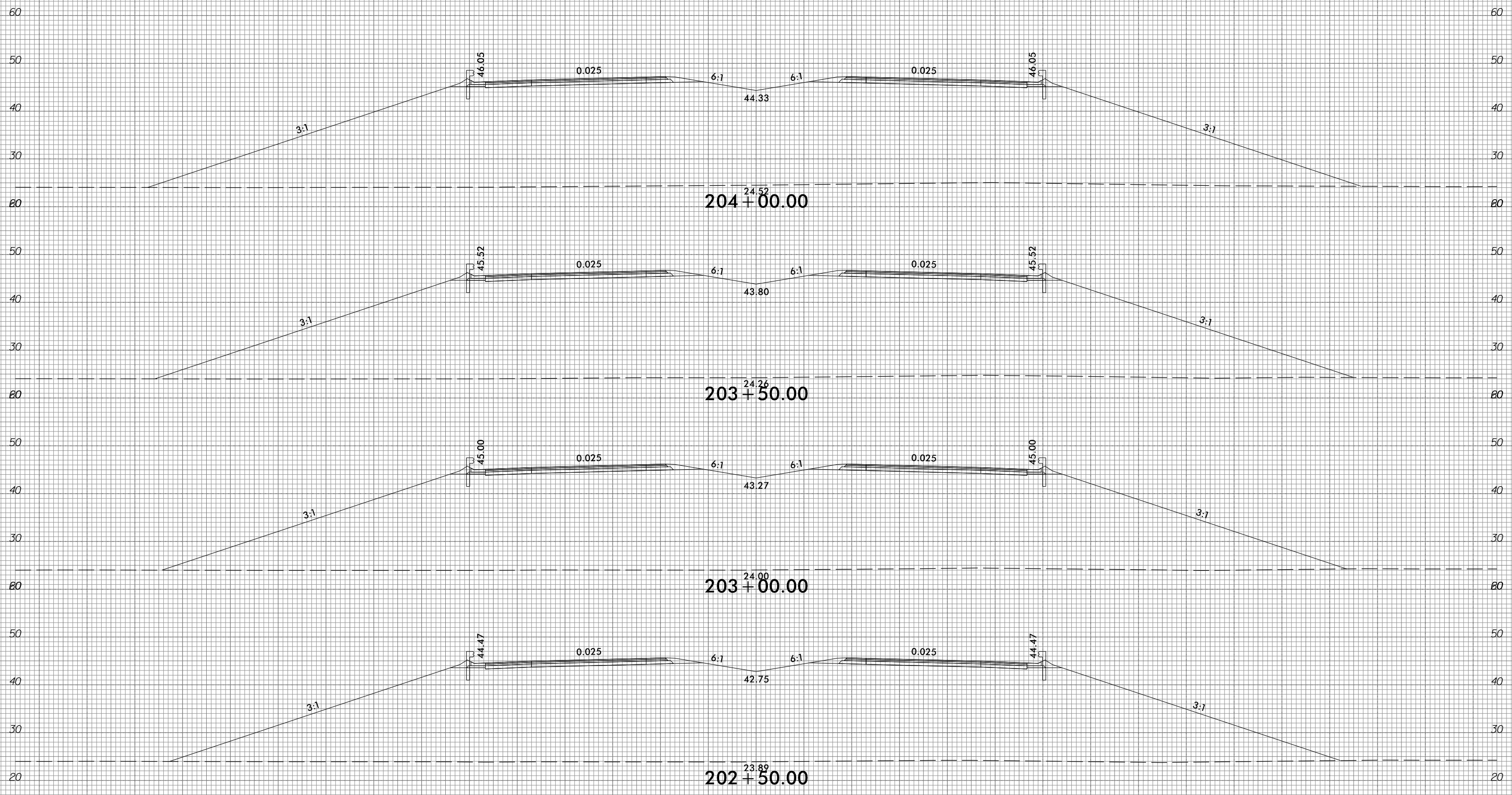
10/31/2018  
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gncdlin

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-83

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



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

10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin



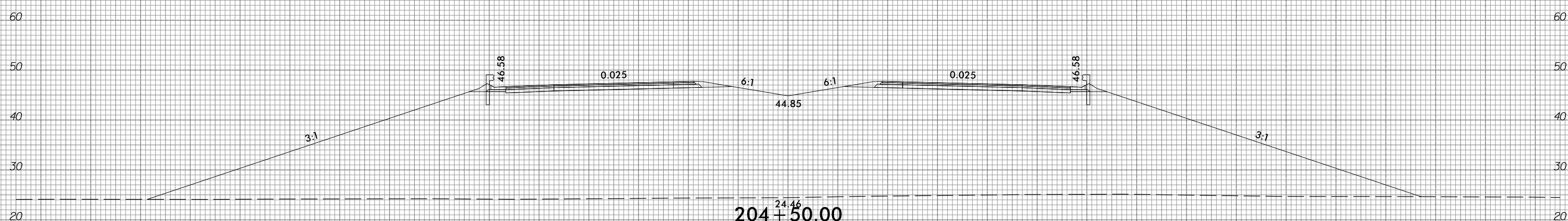
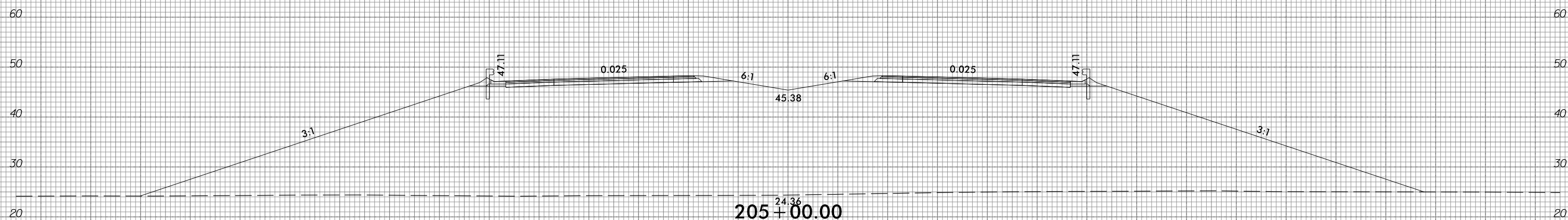
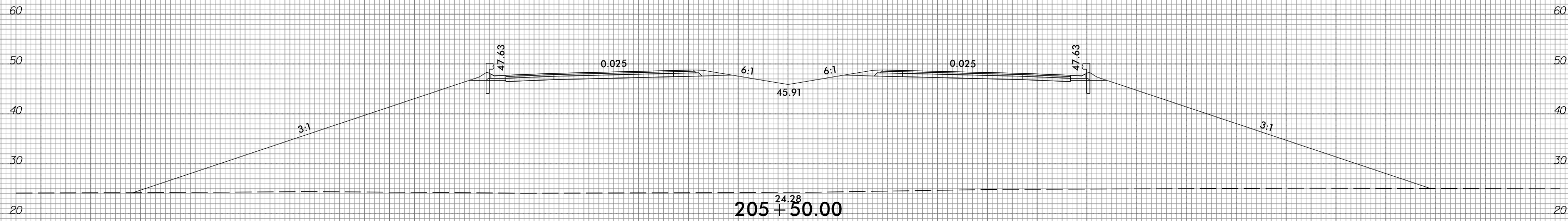
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-84

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



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

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G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin

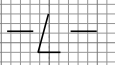
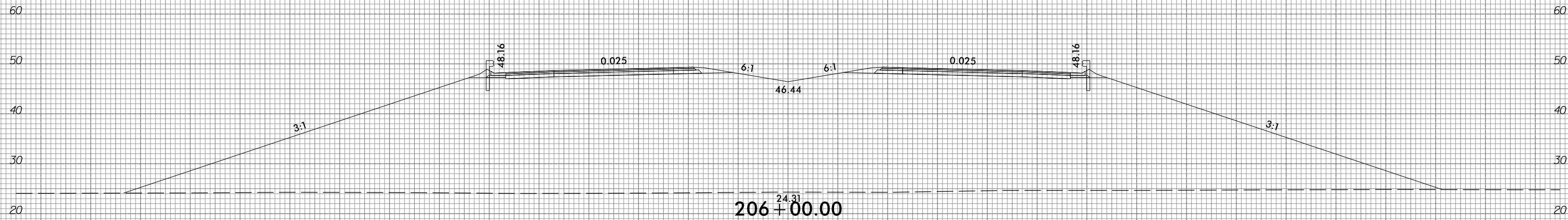
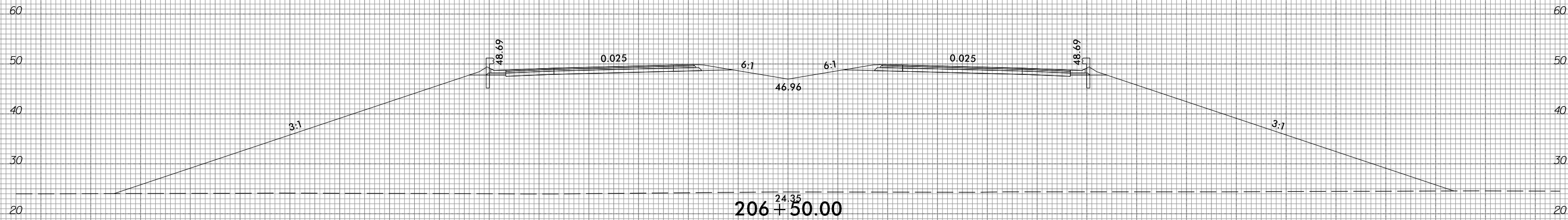
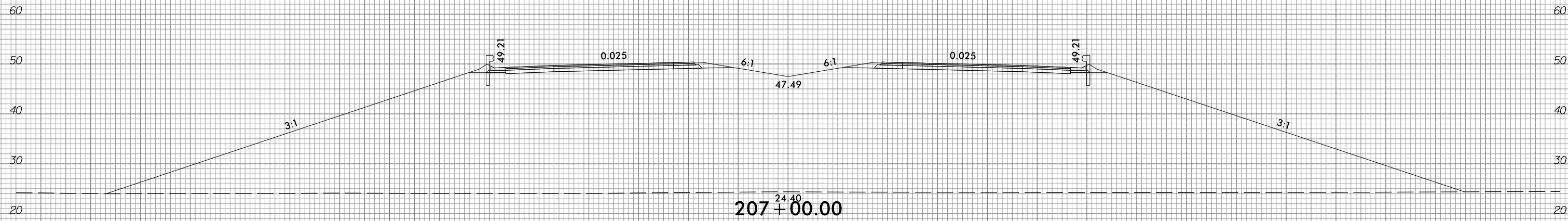
6/23/16



PROJ. REFERENCE NO.
R-1015

SHEET NO.
X-85

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

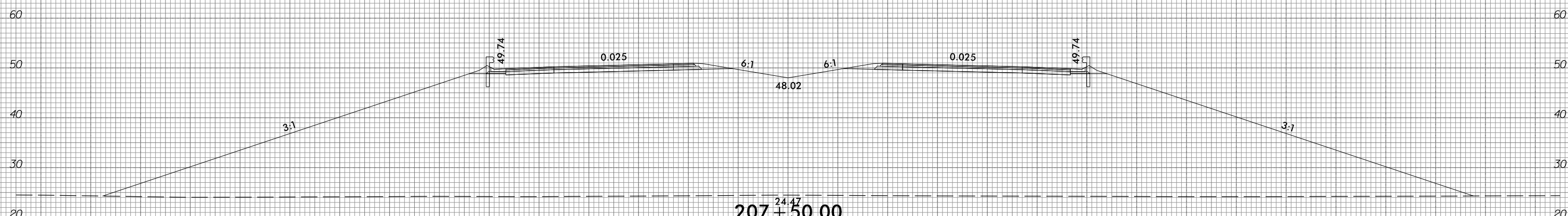
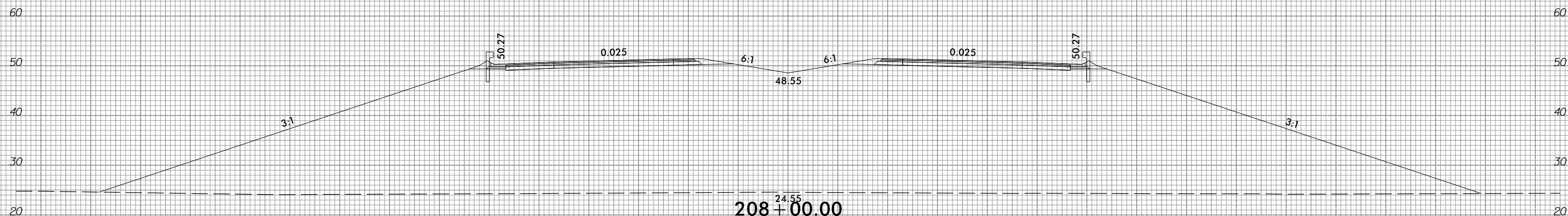
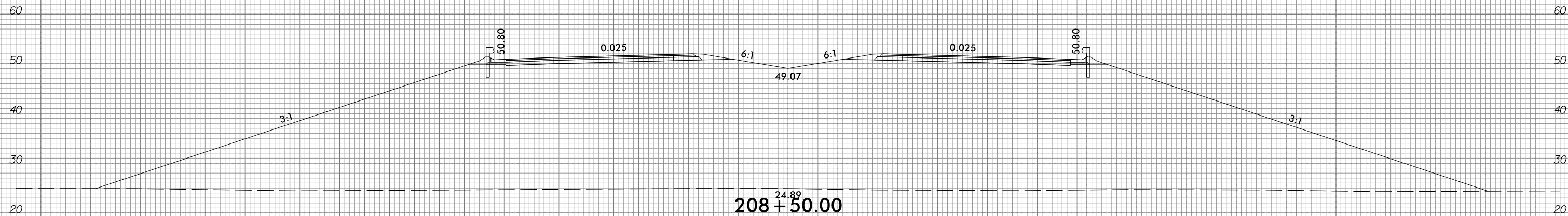


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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 gmc31in

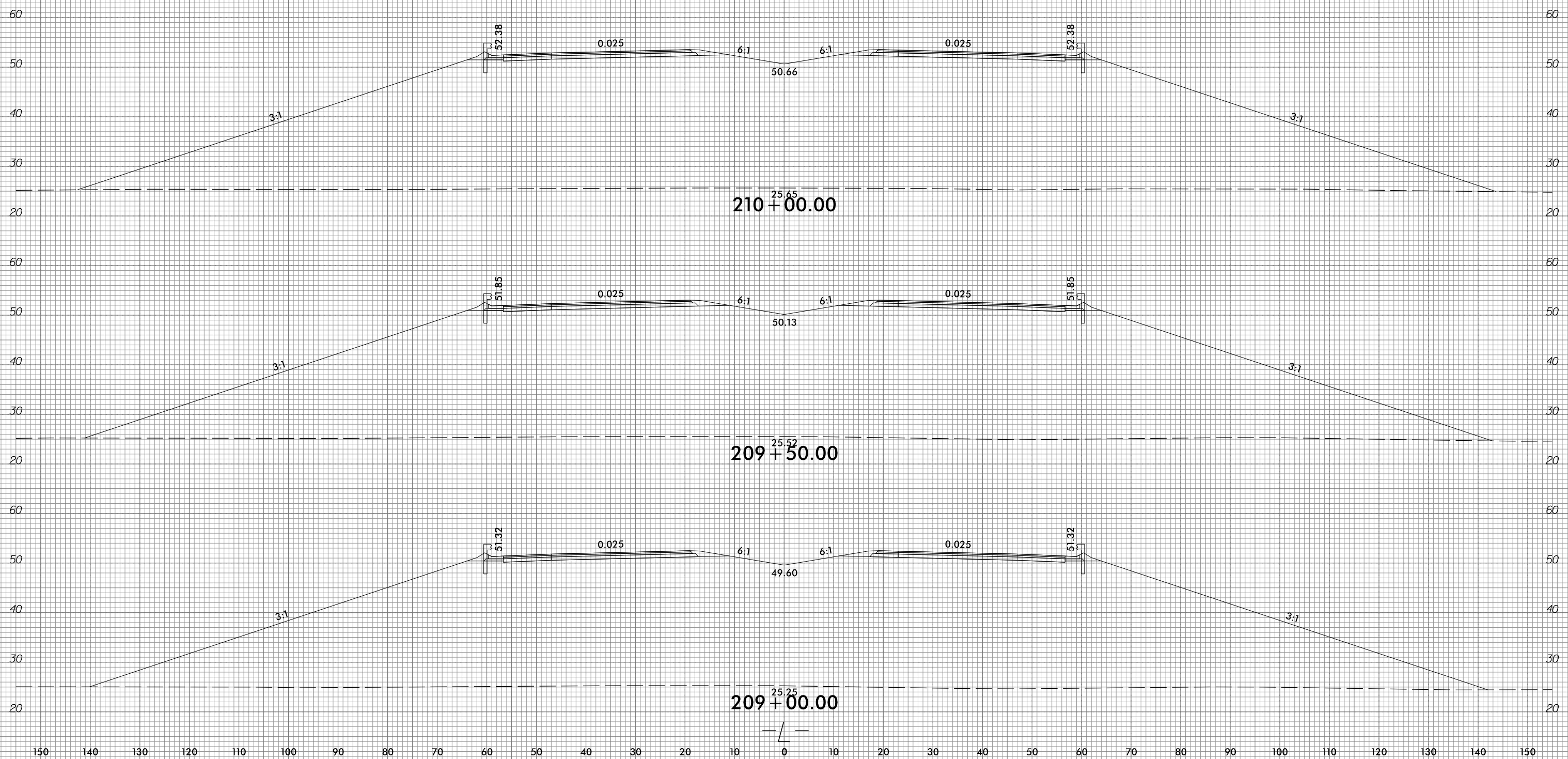


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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

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

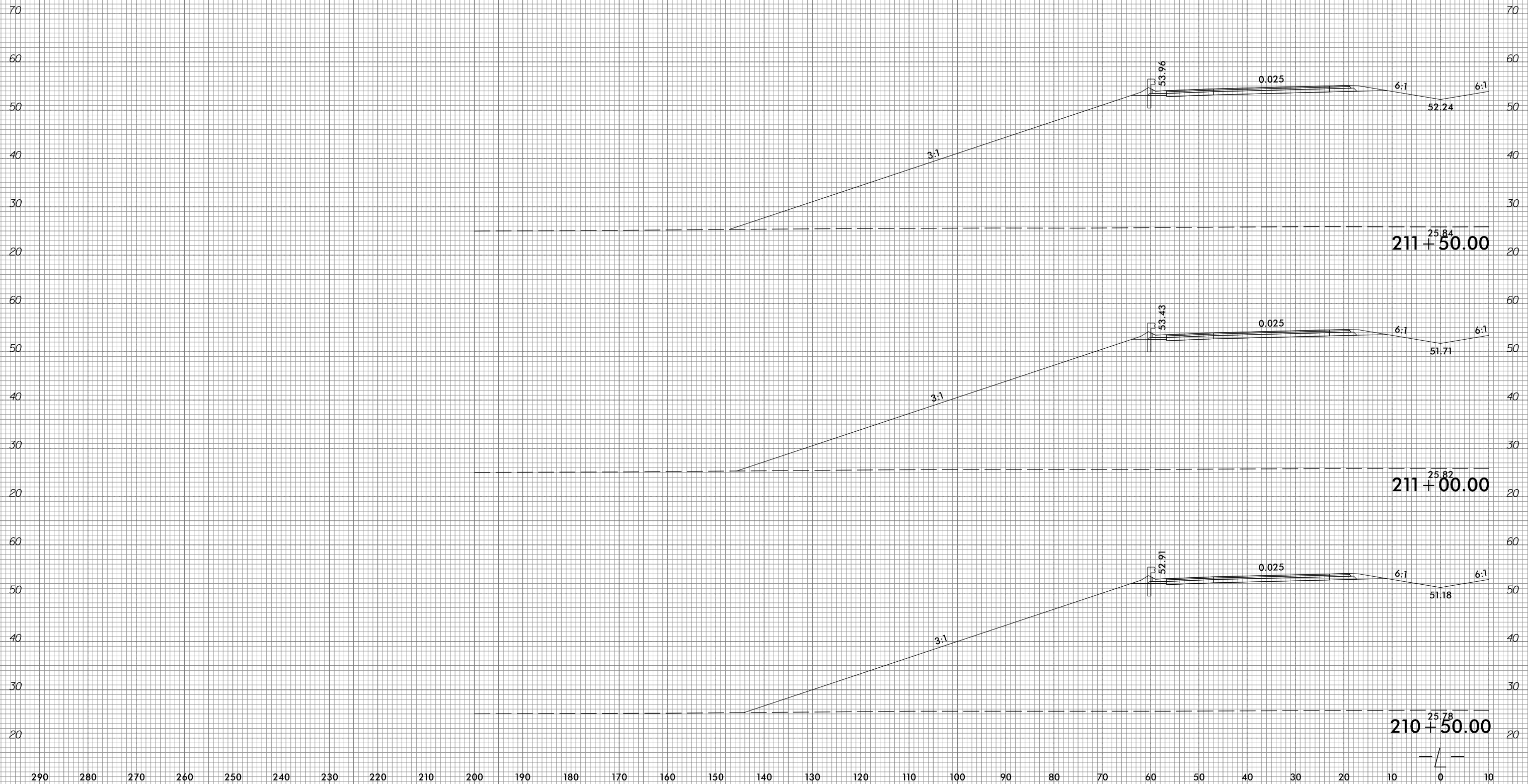


6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-88

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



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 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
 gncdlin

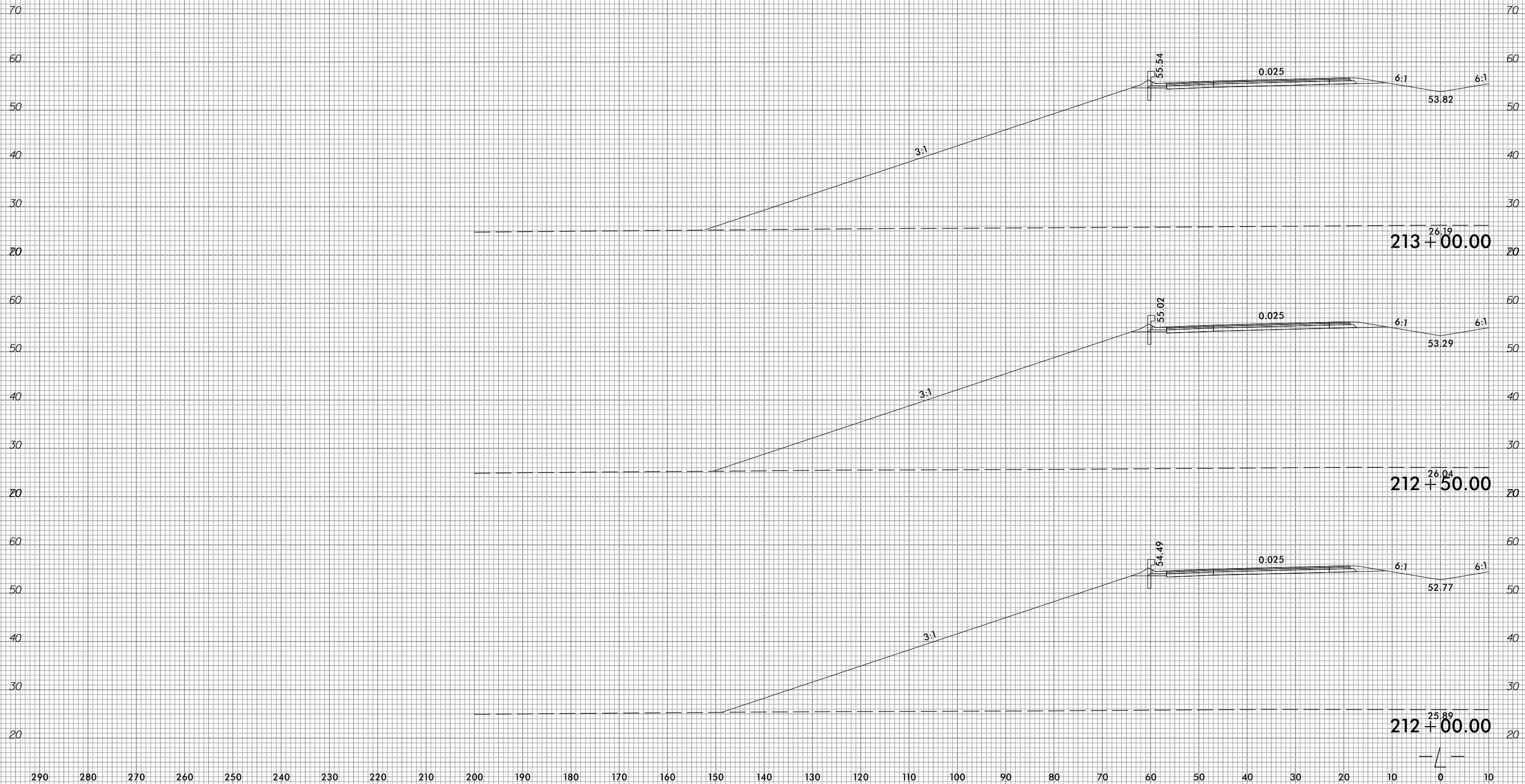
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-89

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



10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.dgn  
gncdlin

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

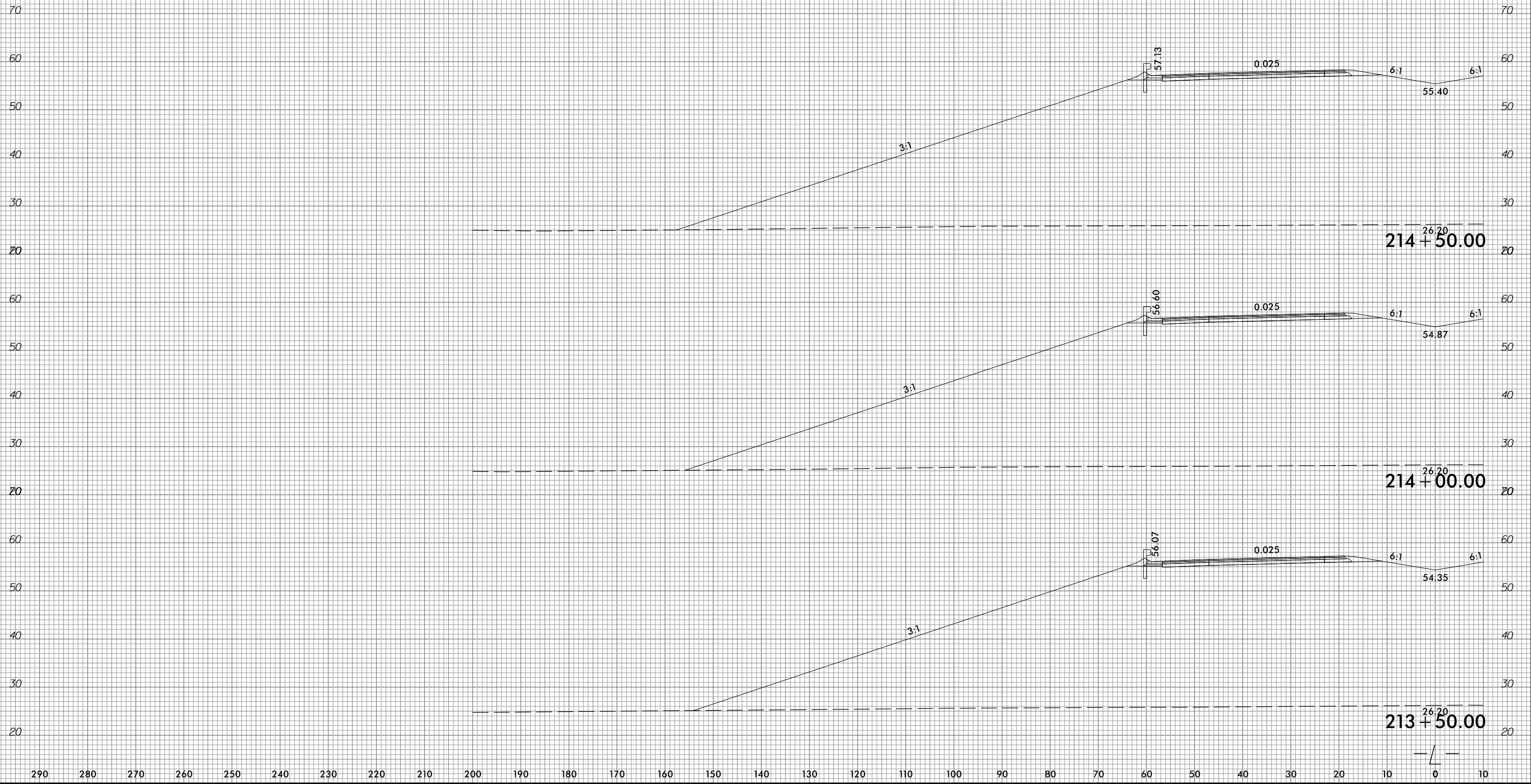
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-90

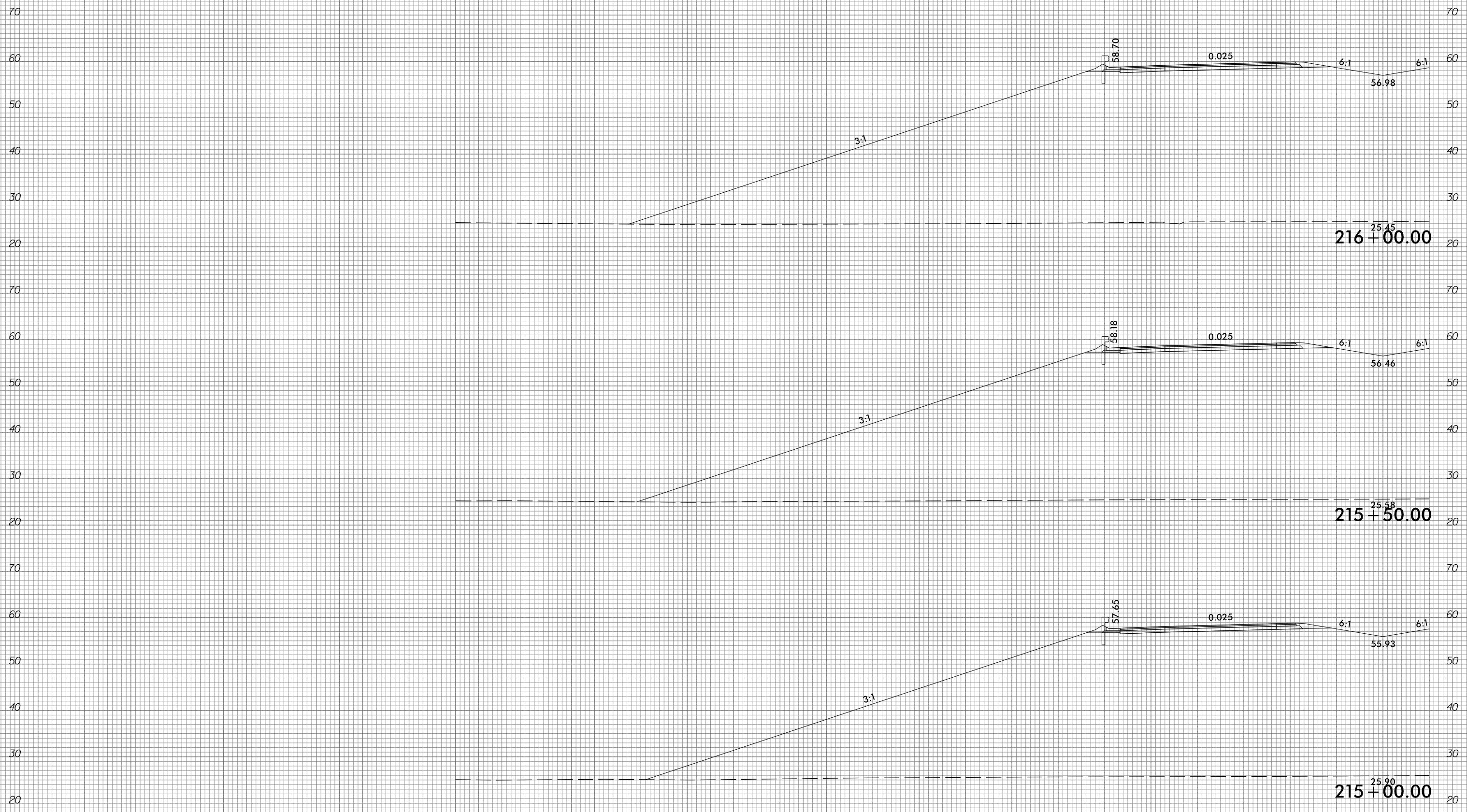
290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10



10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdjin



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



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

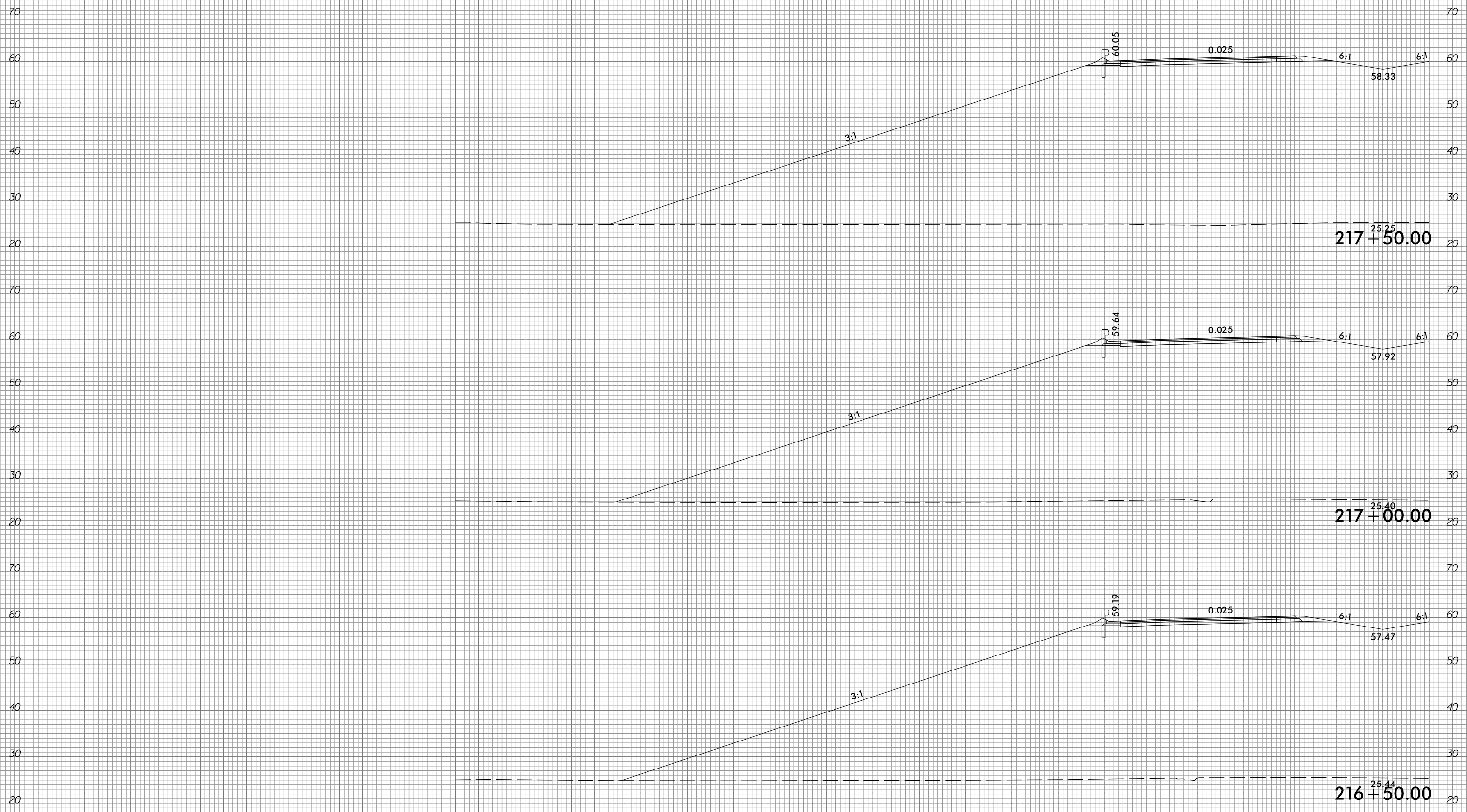


6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-92

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



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

10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gncdjin

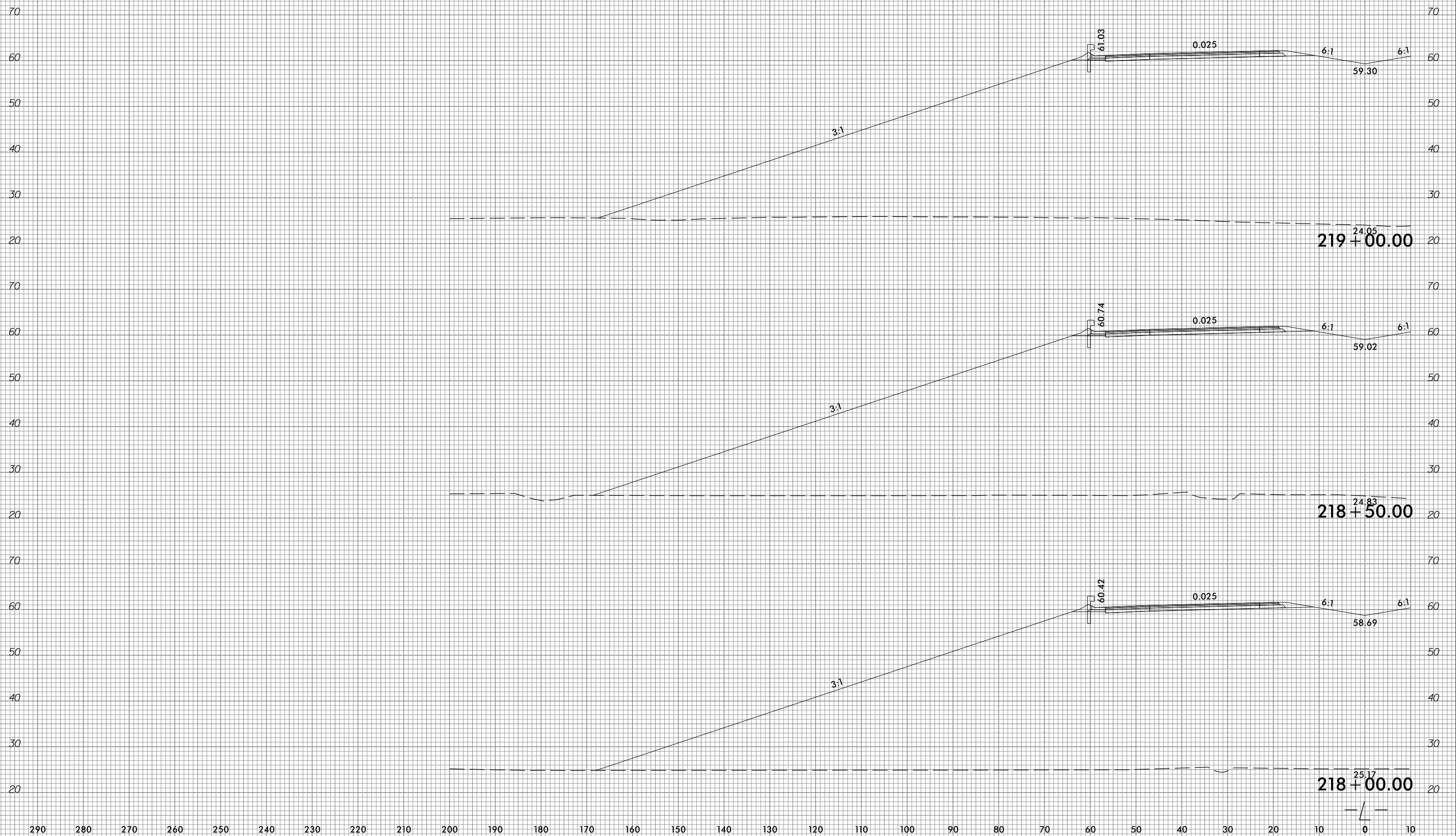
6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-93

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-93

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



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

10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
 gncdlin

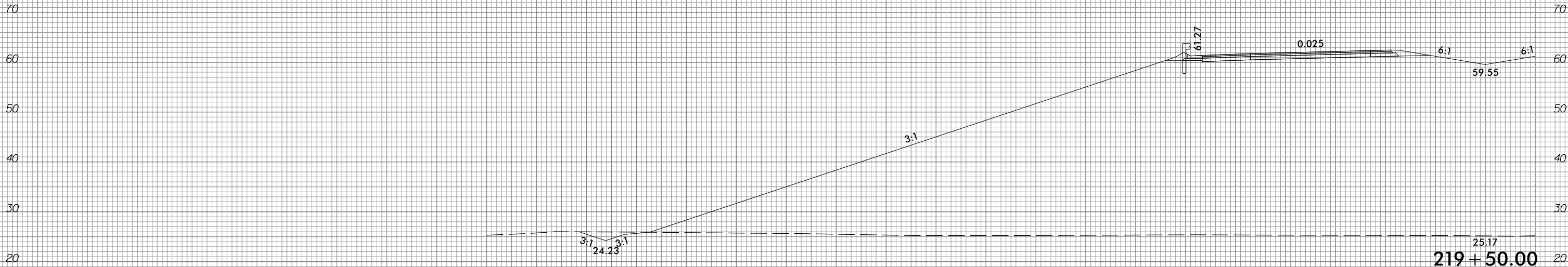
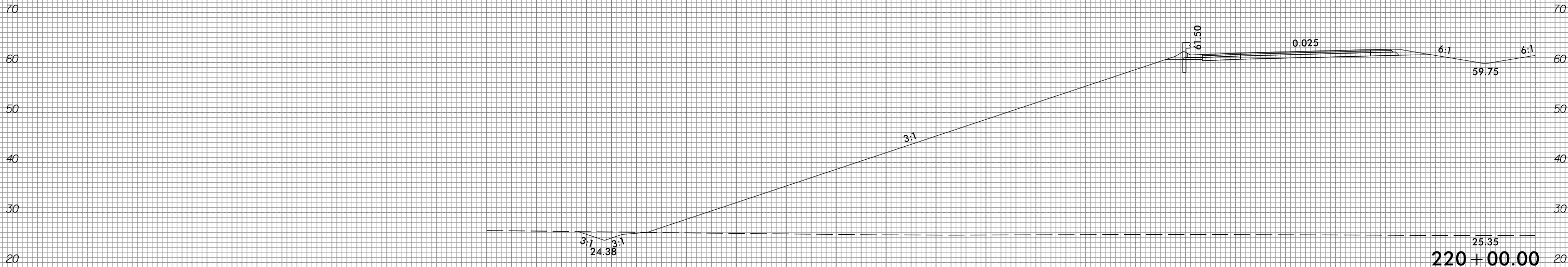
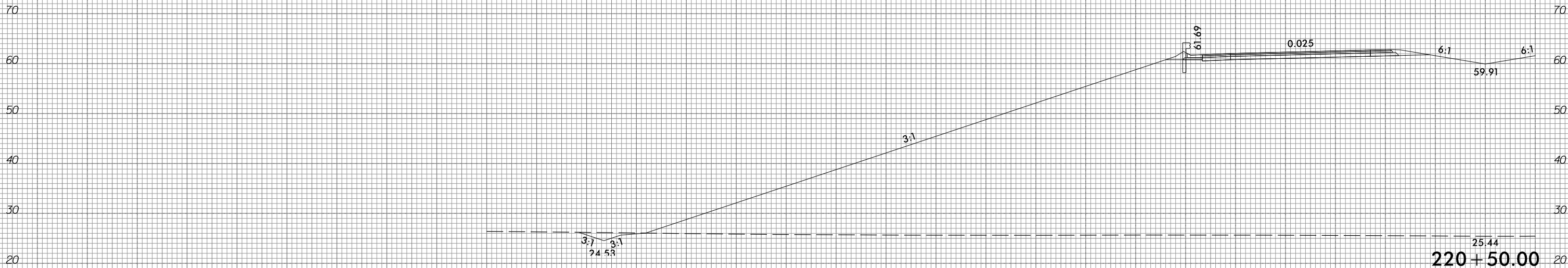
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-94

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



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

10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin

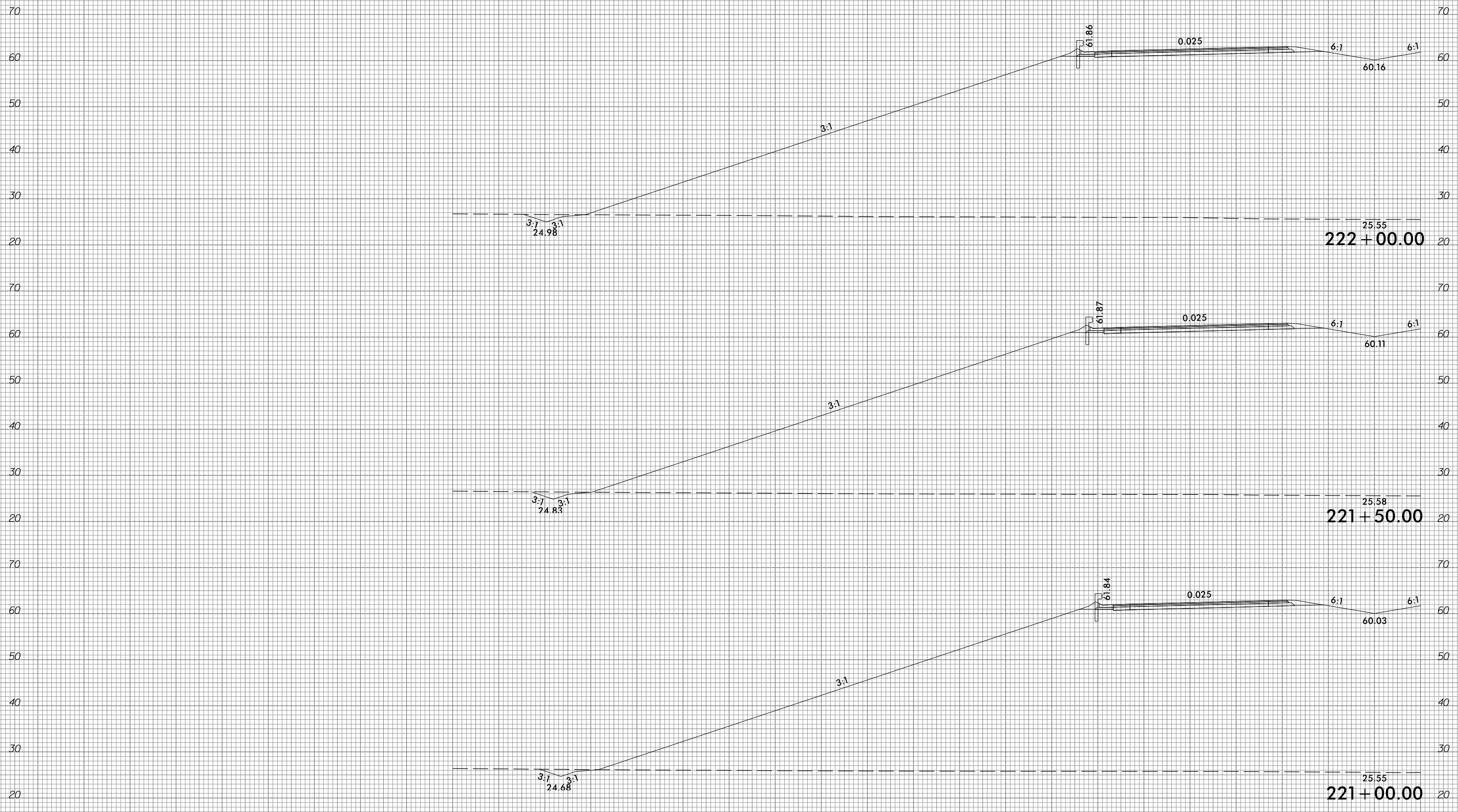
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-95

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



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

10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gmc311

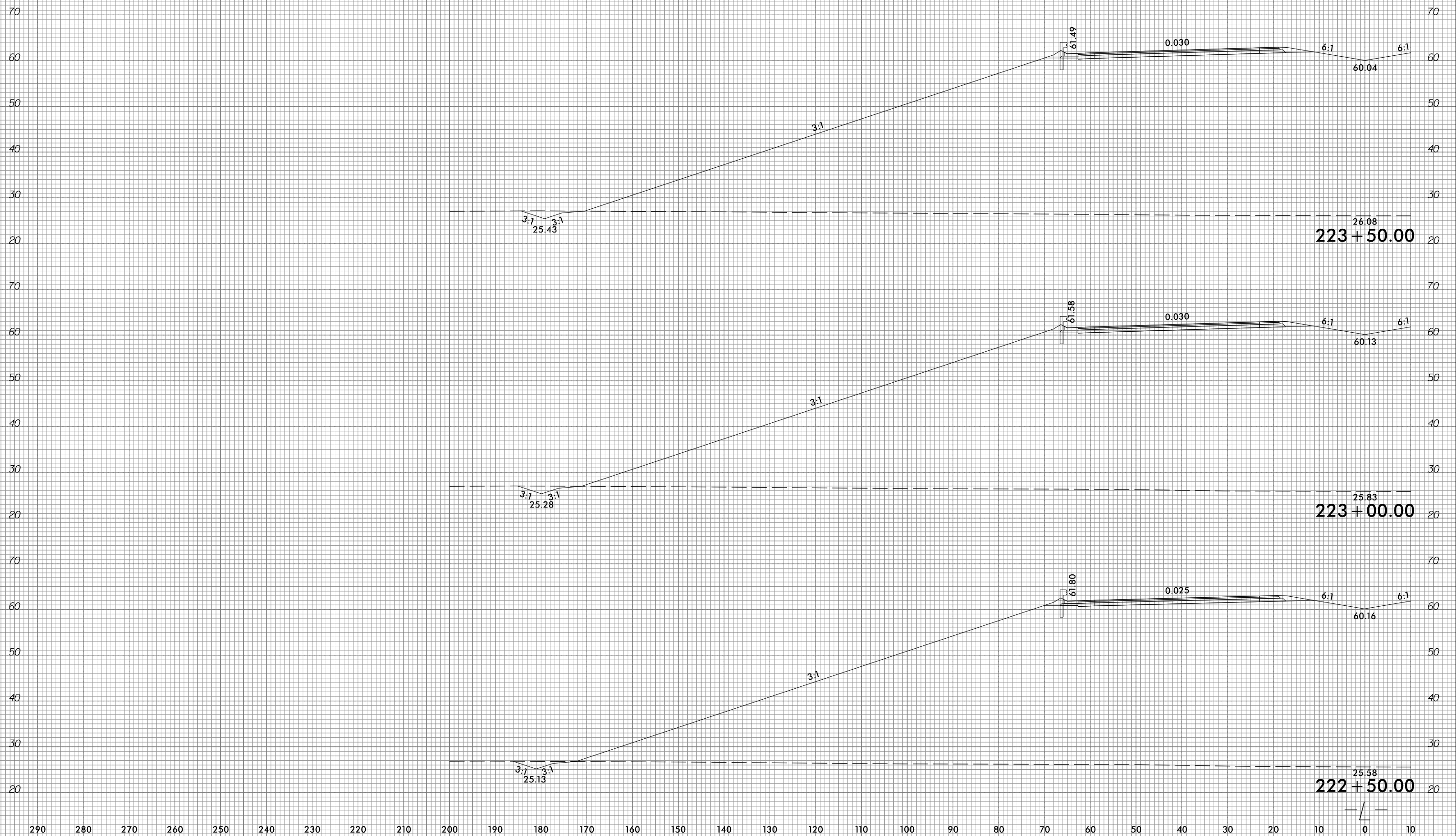
6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-96

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-96

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

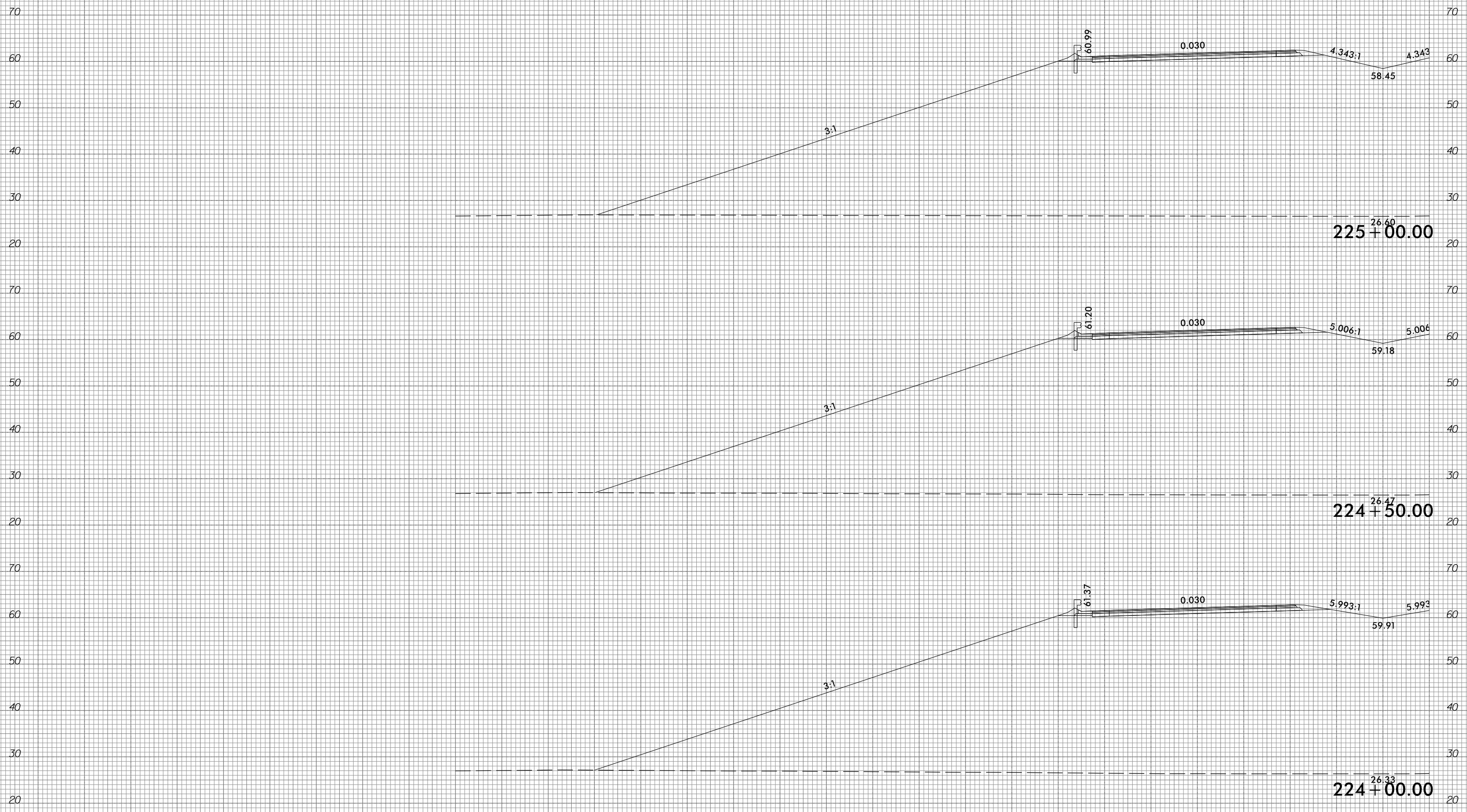


10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc31in

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



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



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

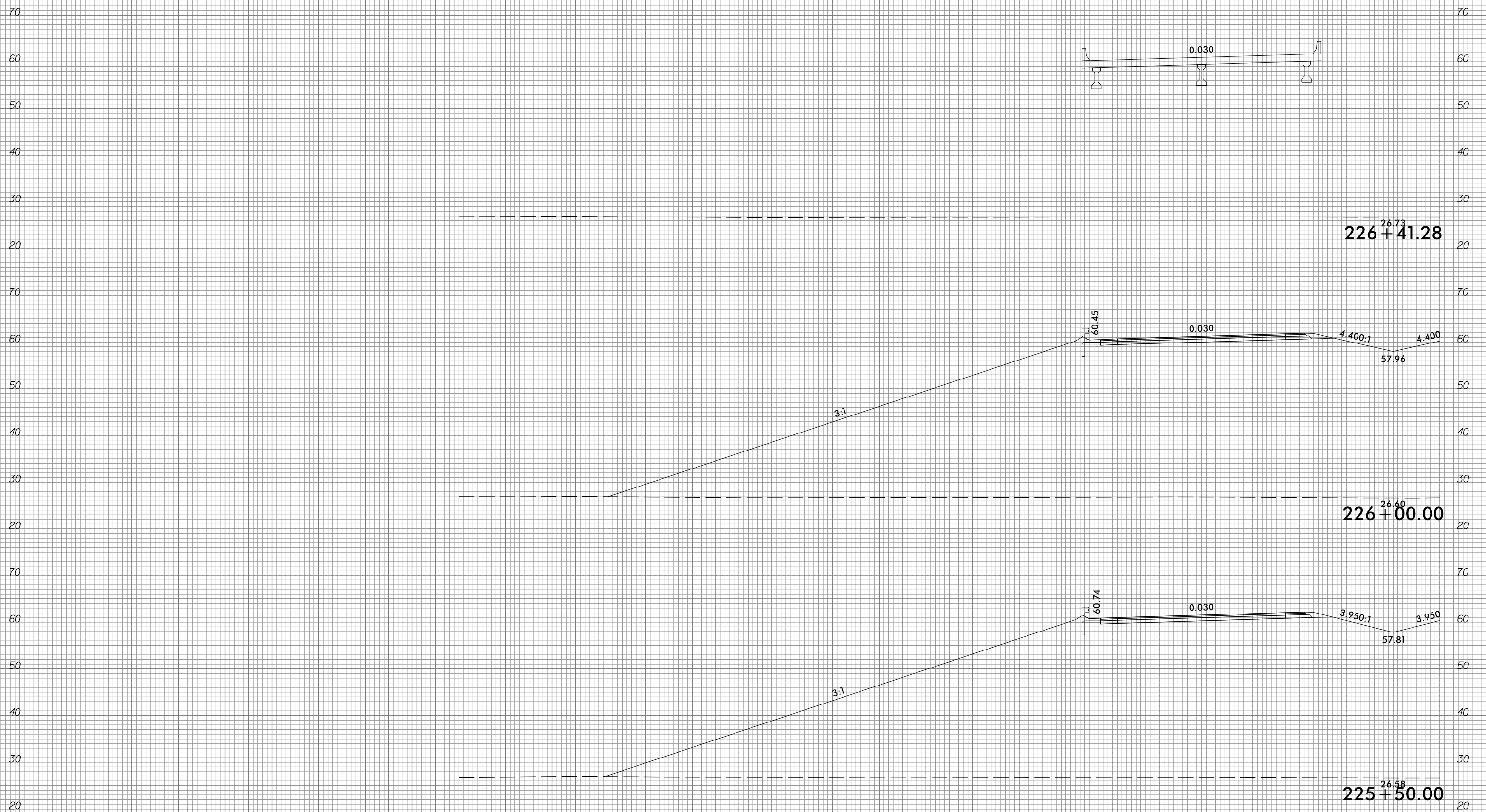
6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-98

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-98

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



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

10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
 gncdlin

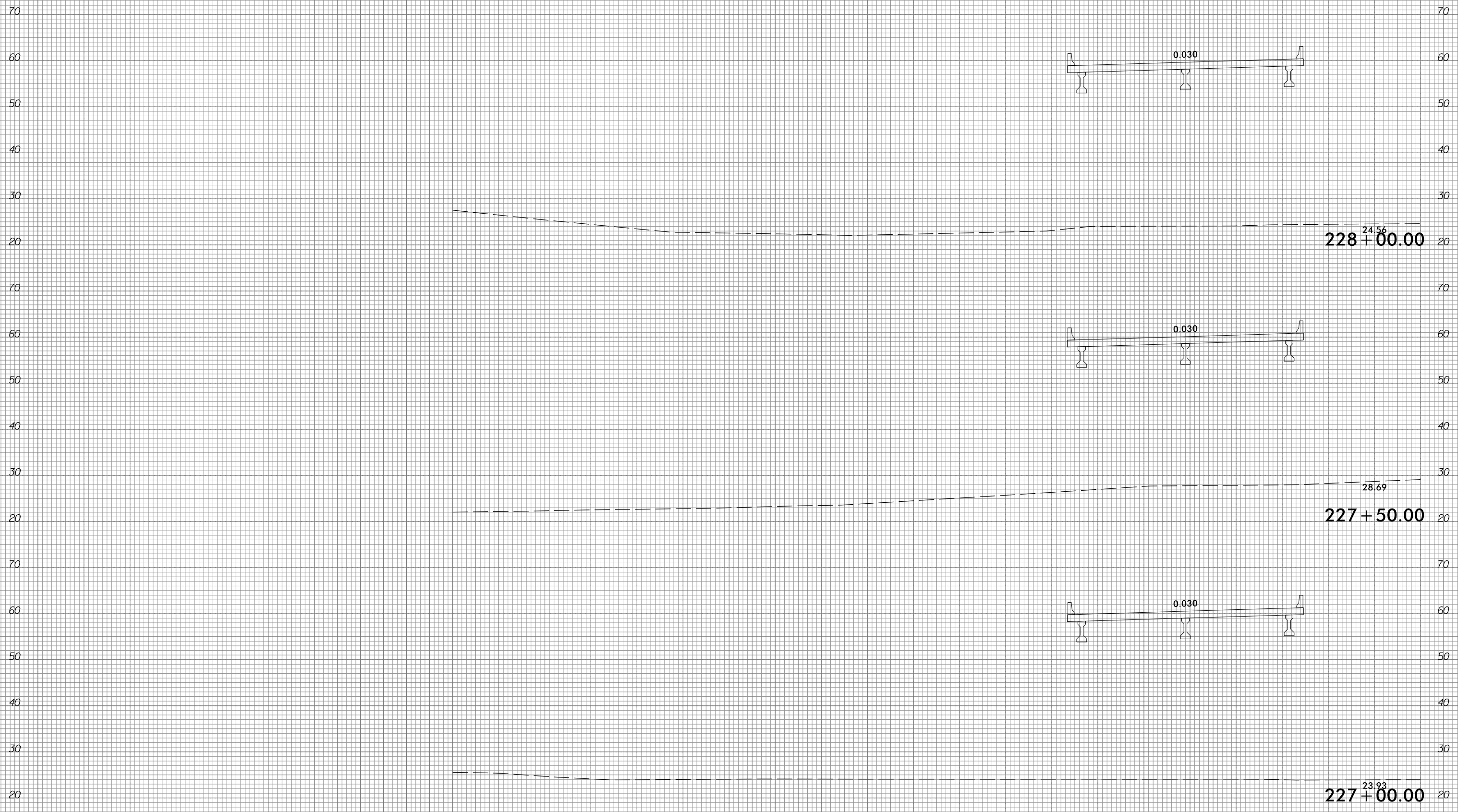
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-99

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



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

10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
gncdlin



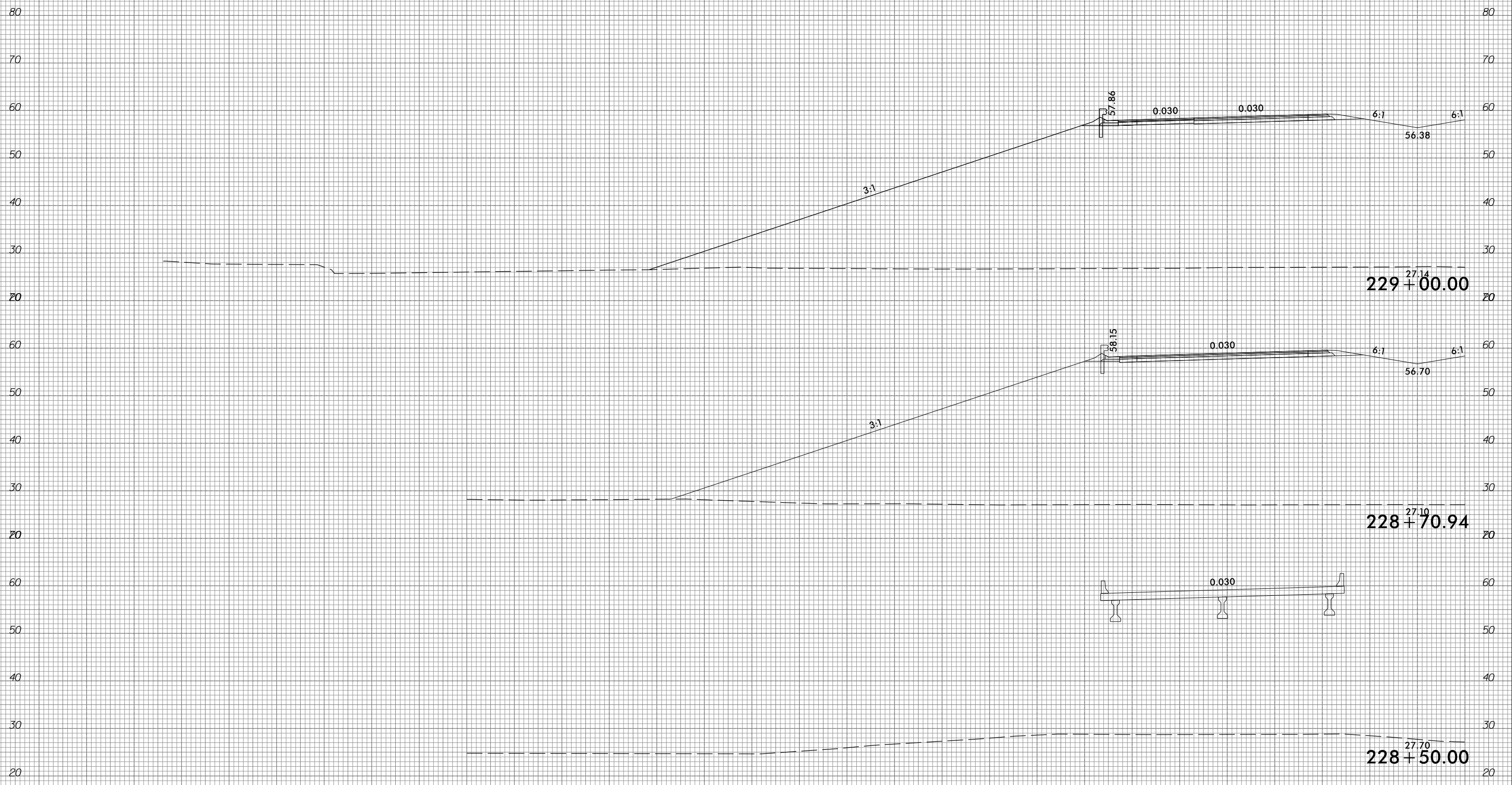
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-100

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



10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
gncdlin

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

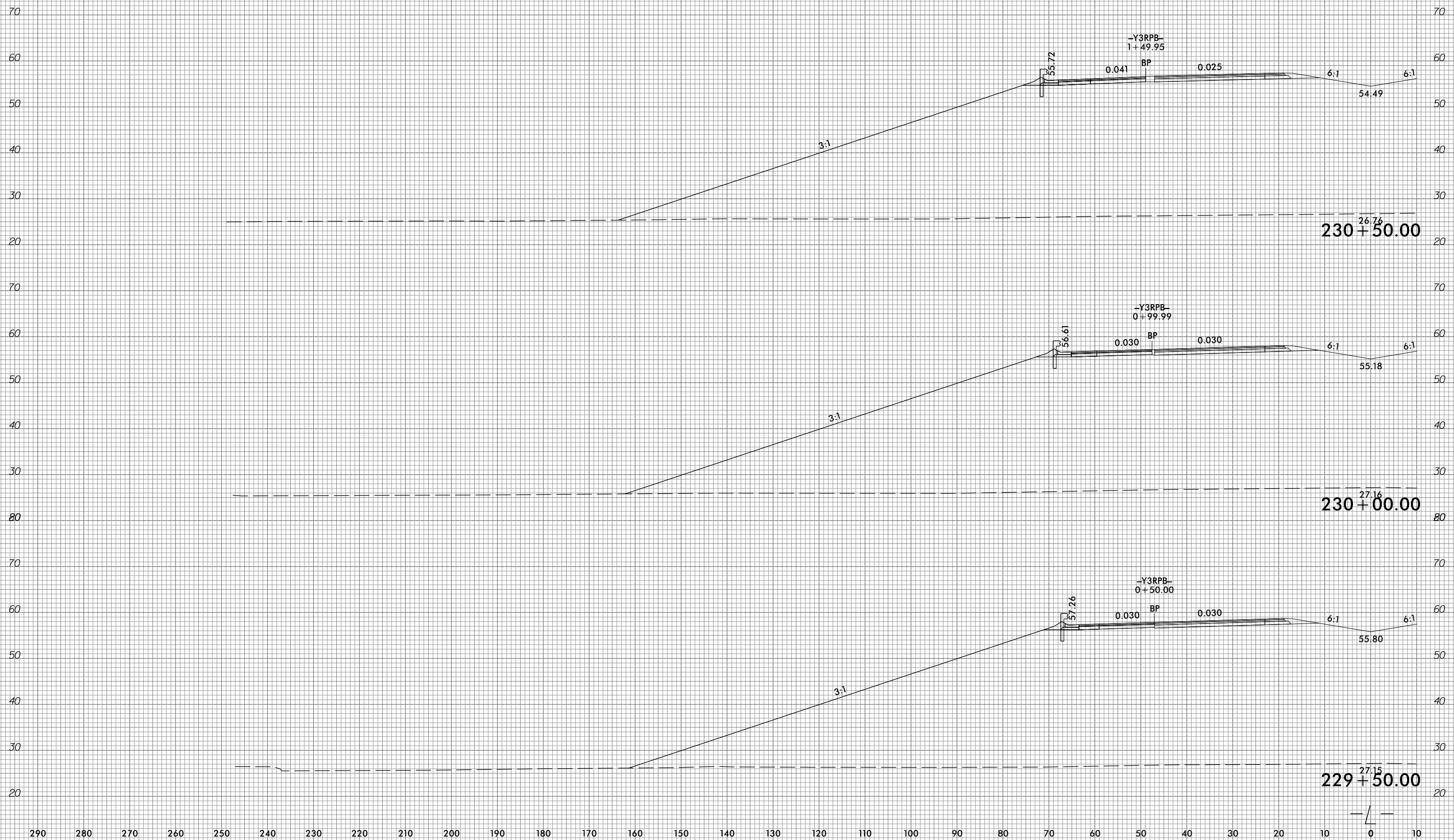
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-101

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



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

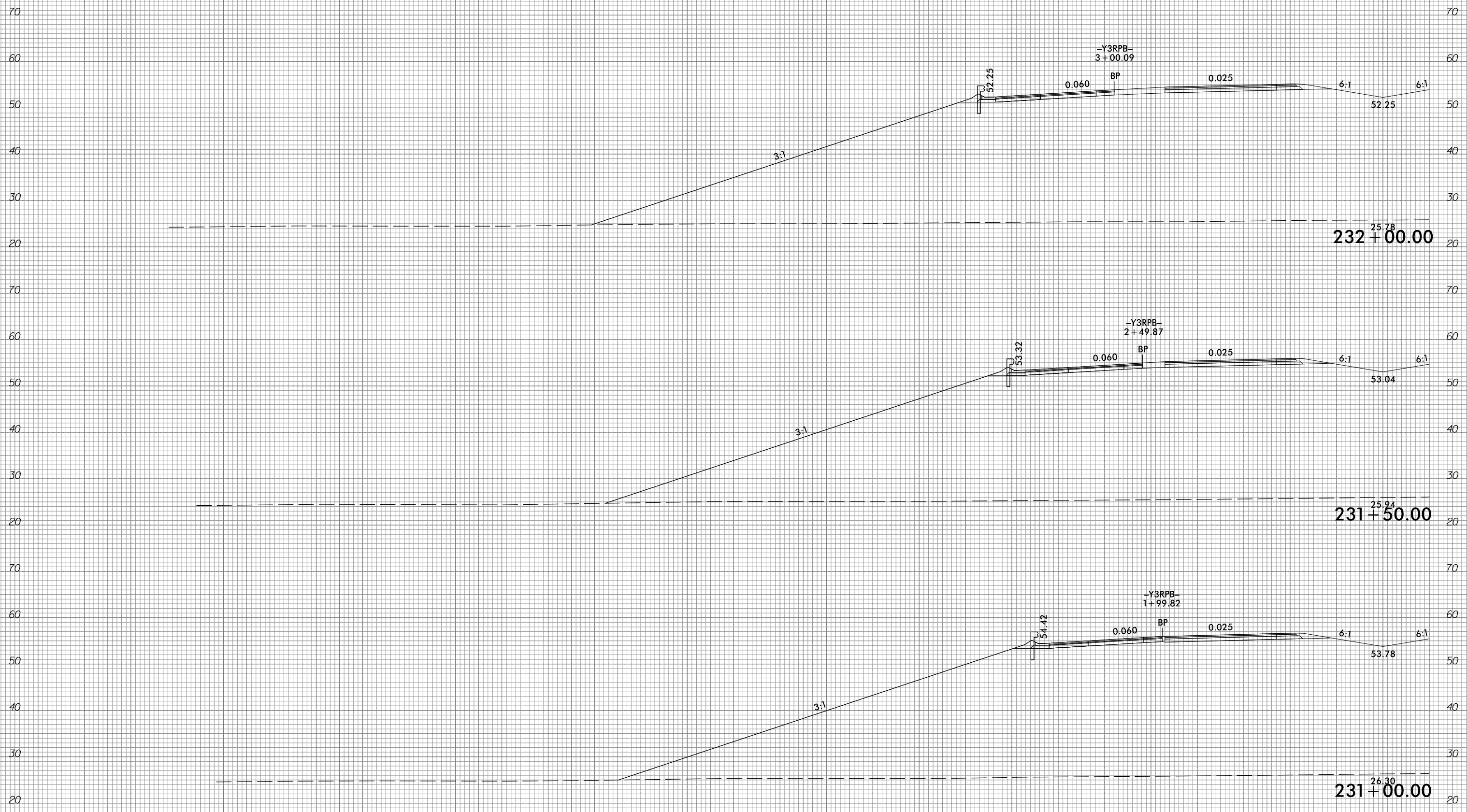
10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-102

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



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

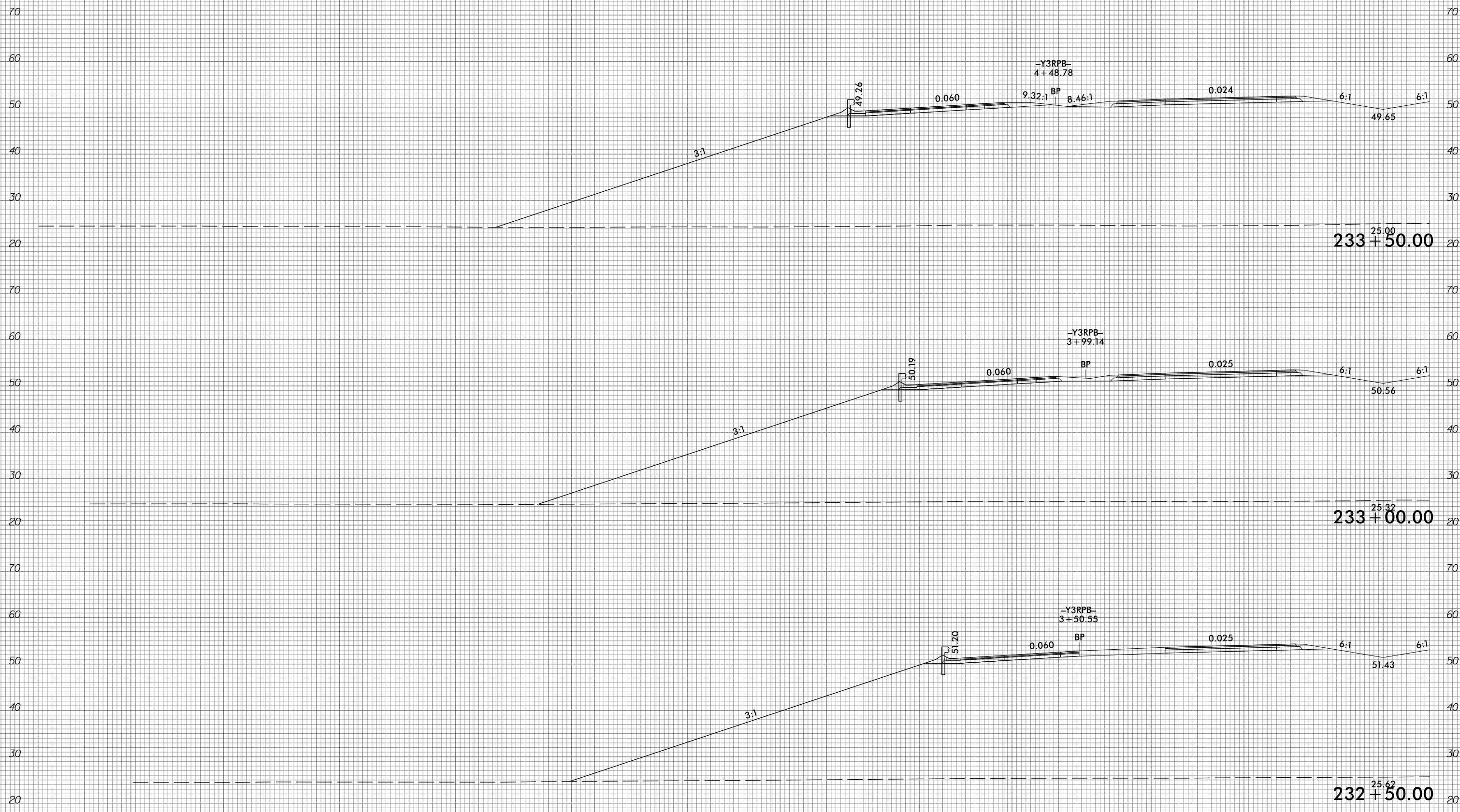
10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
 gncdjin

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-103

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



233 + 50.00

233 + 00.00

232 + 50.00

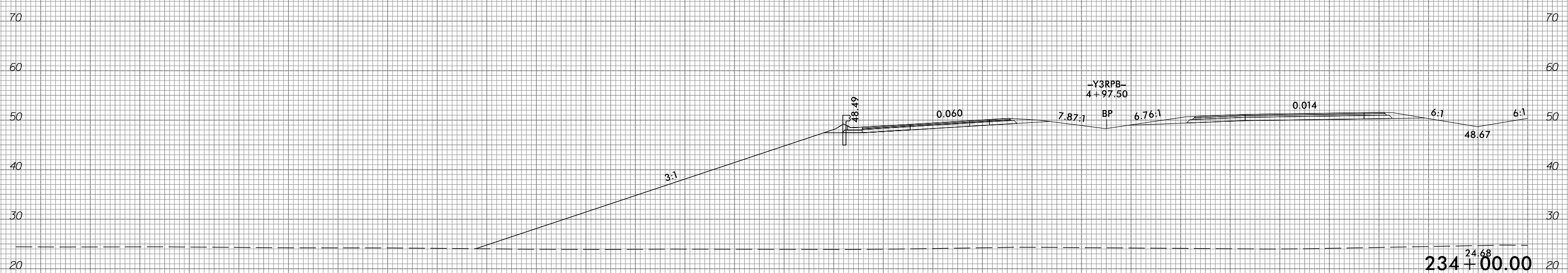
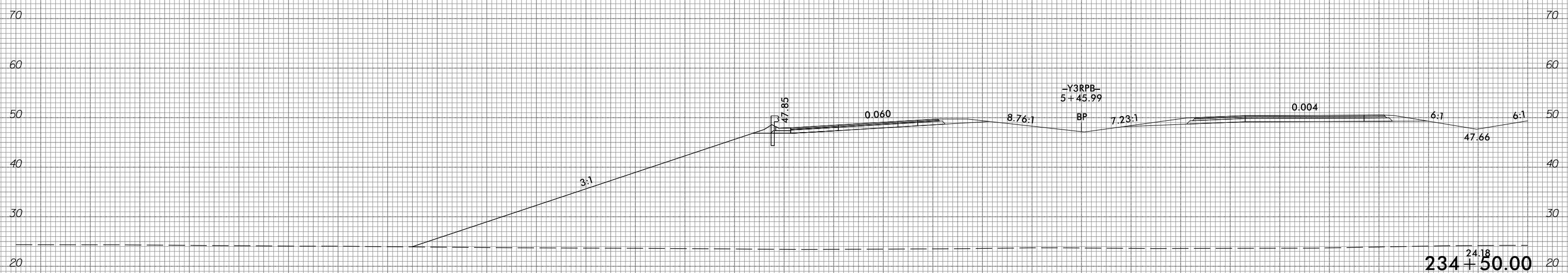
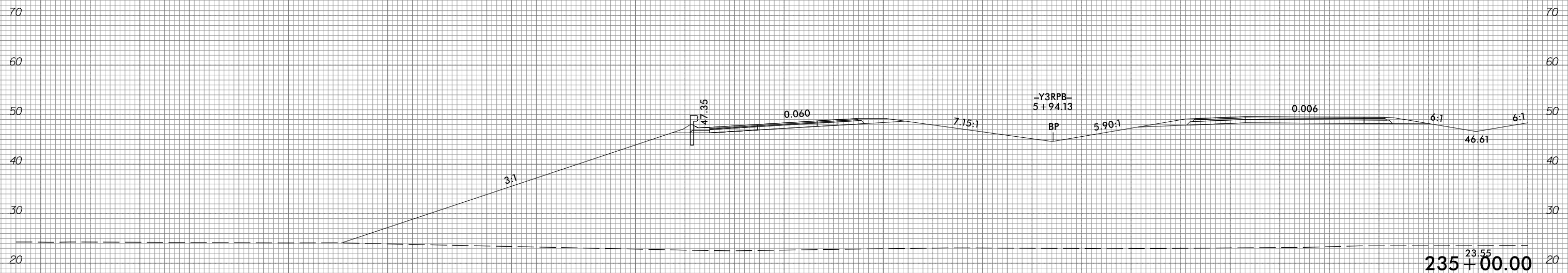
10/31/2016 10:19:29 02\CADD\1015\Roadway\XSC\1015.sp1.L.dgn gncdlin

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-104

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

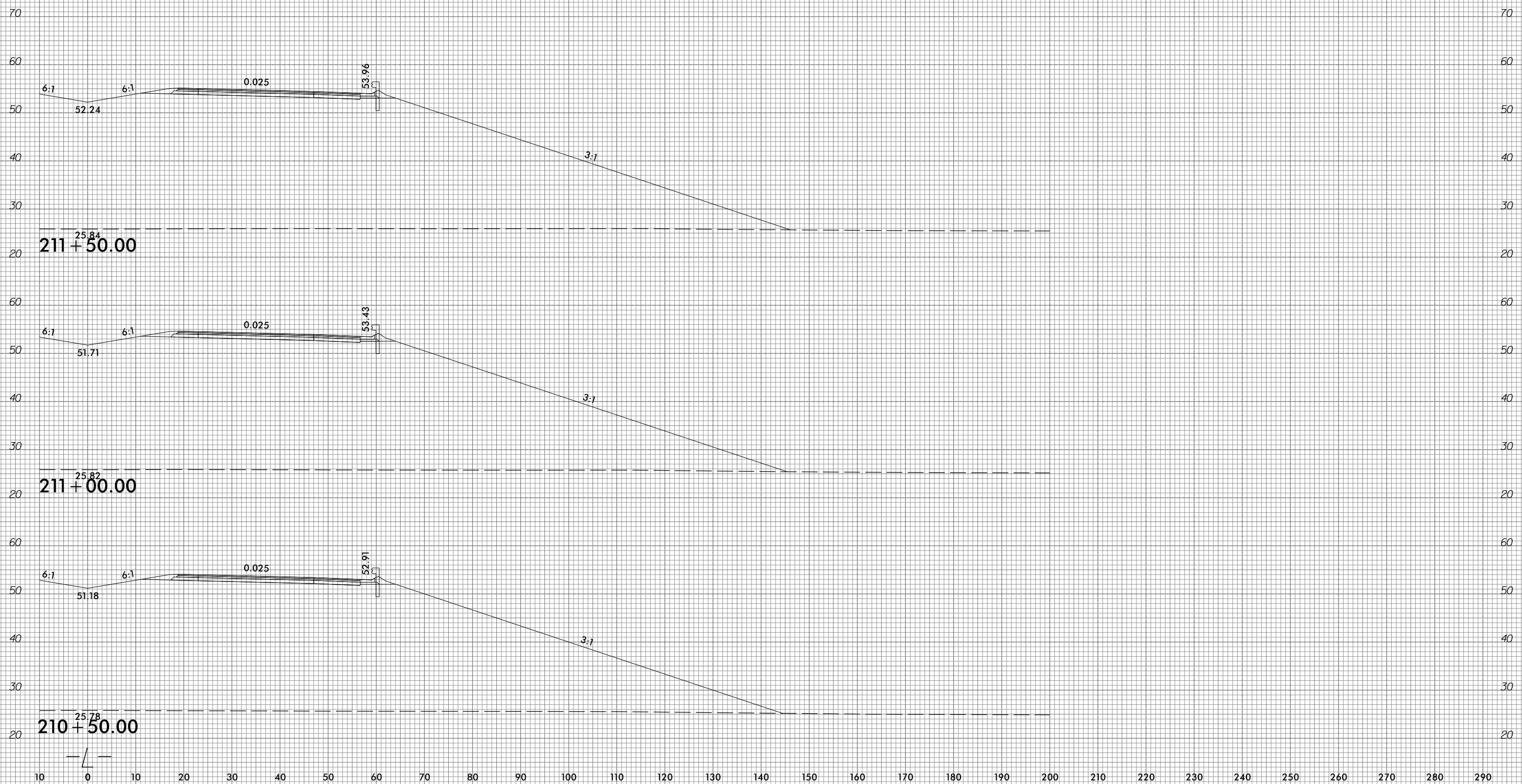


290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc311



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



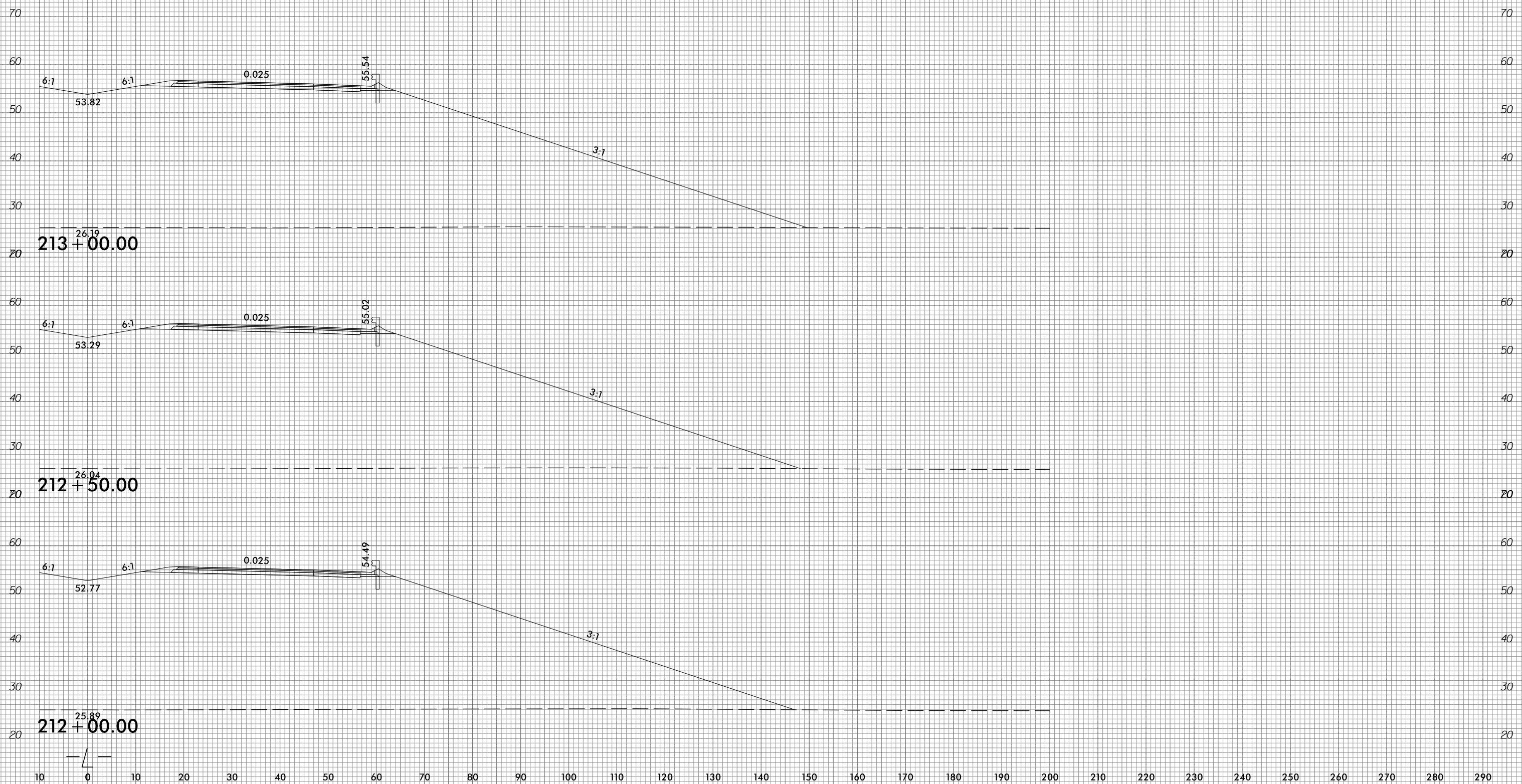
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-106

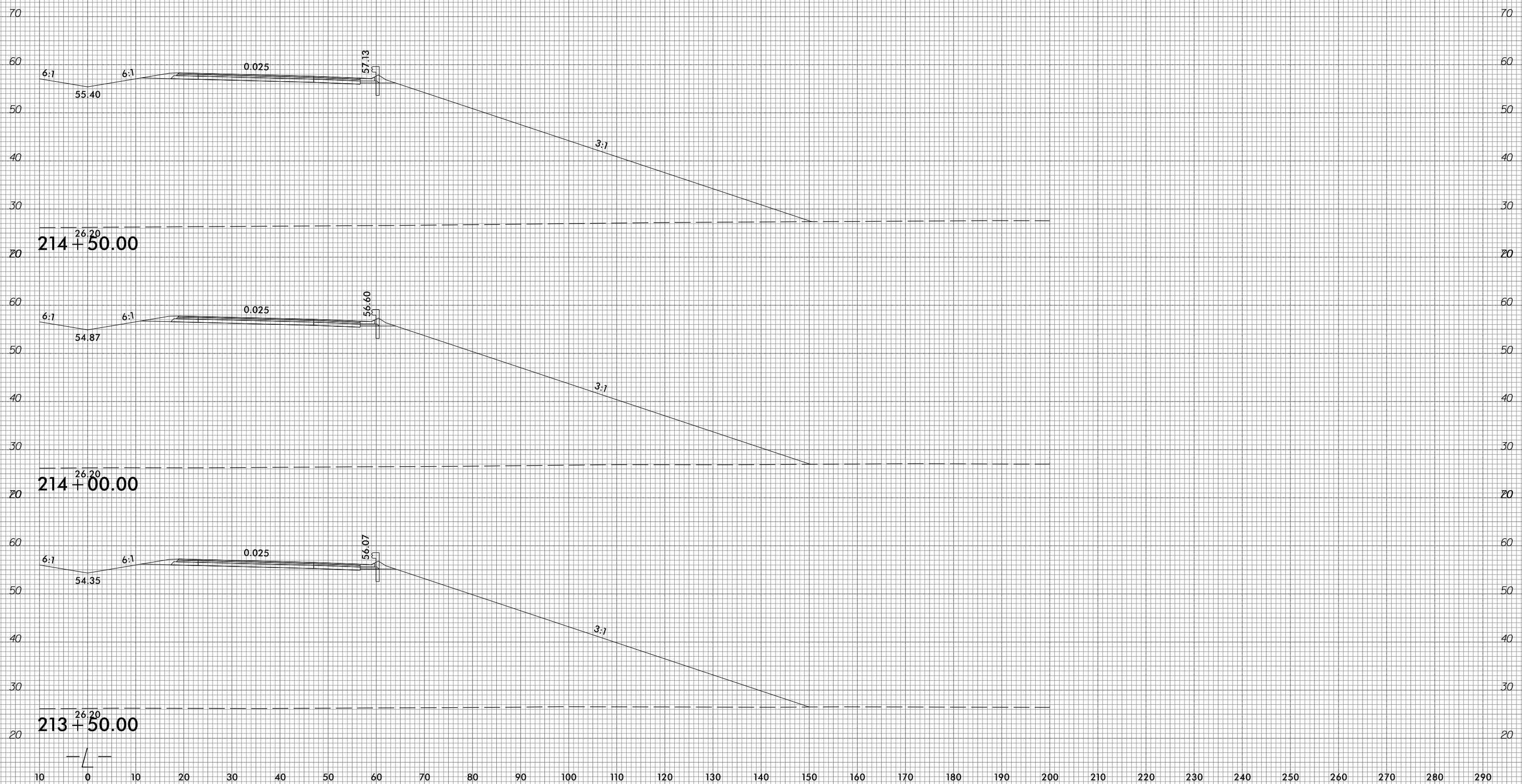
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290



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 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc311



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



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

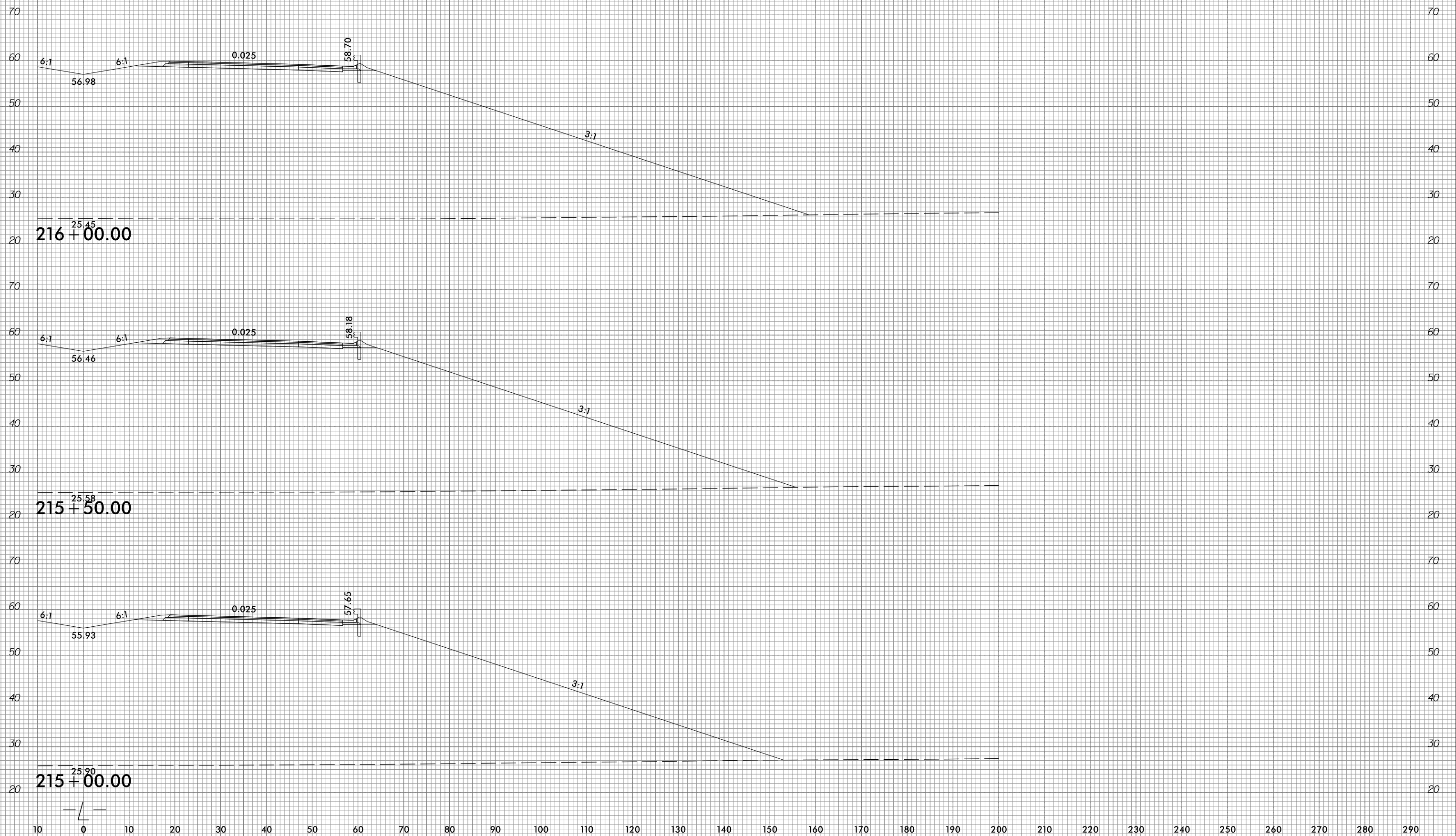


6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-108

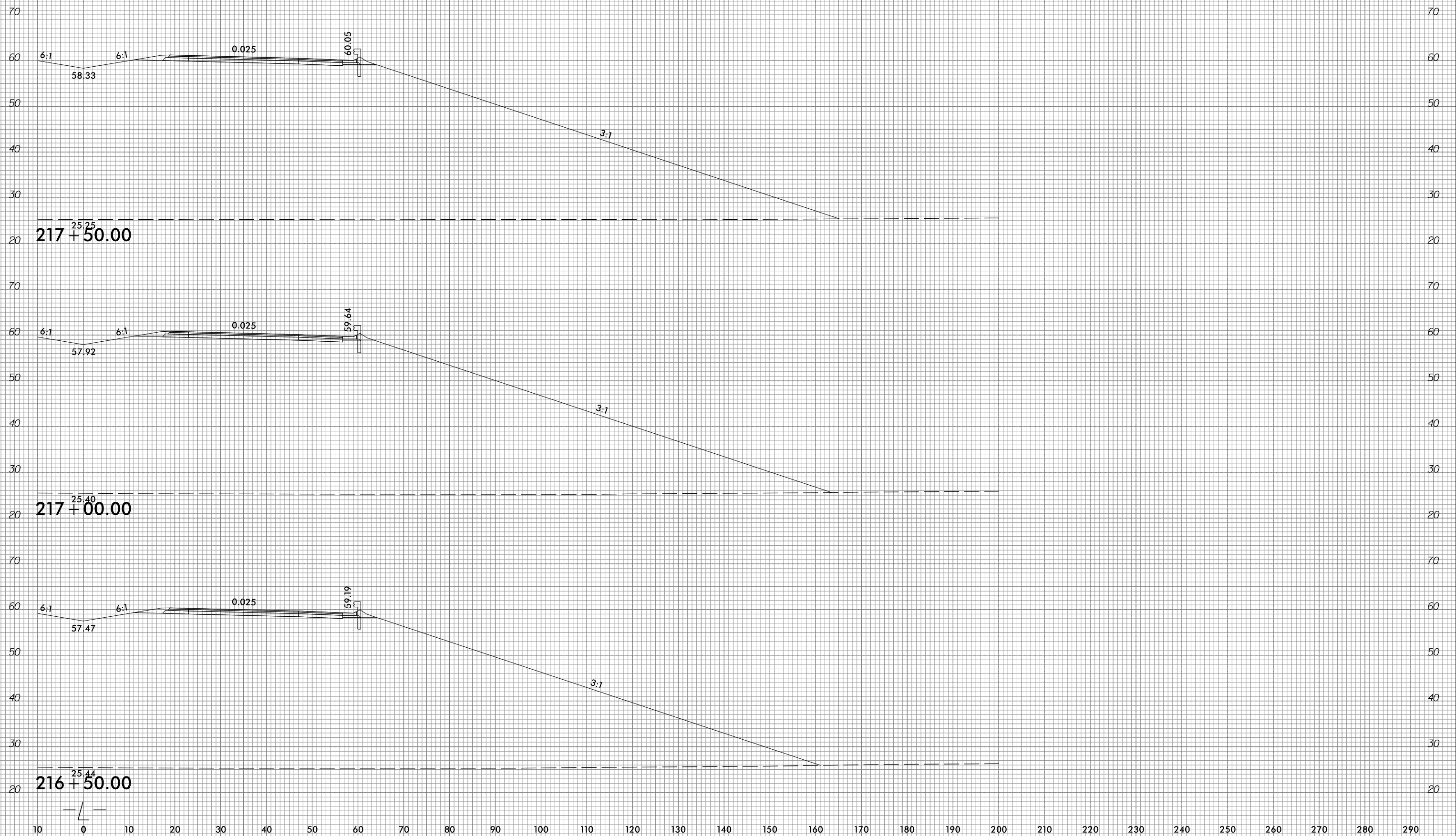
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290



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 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gmc311



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

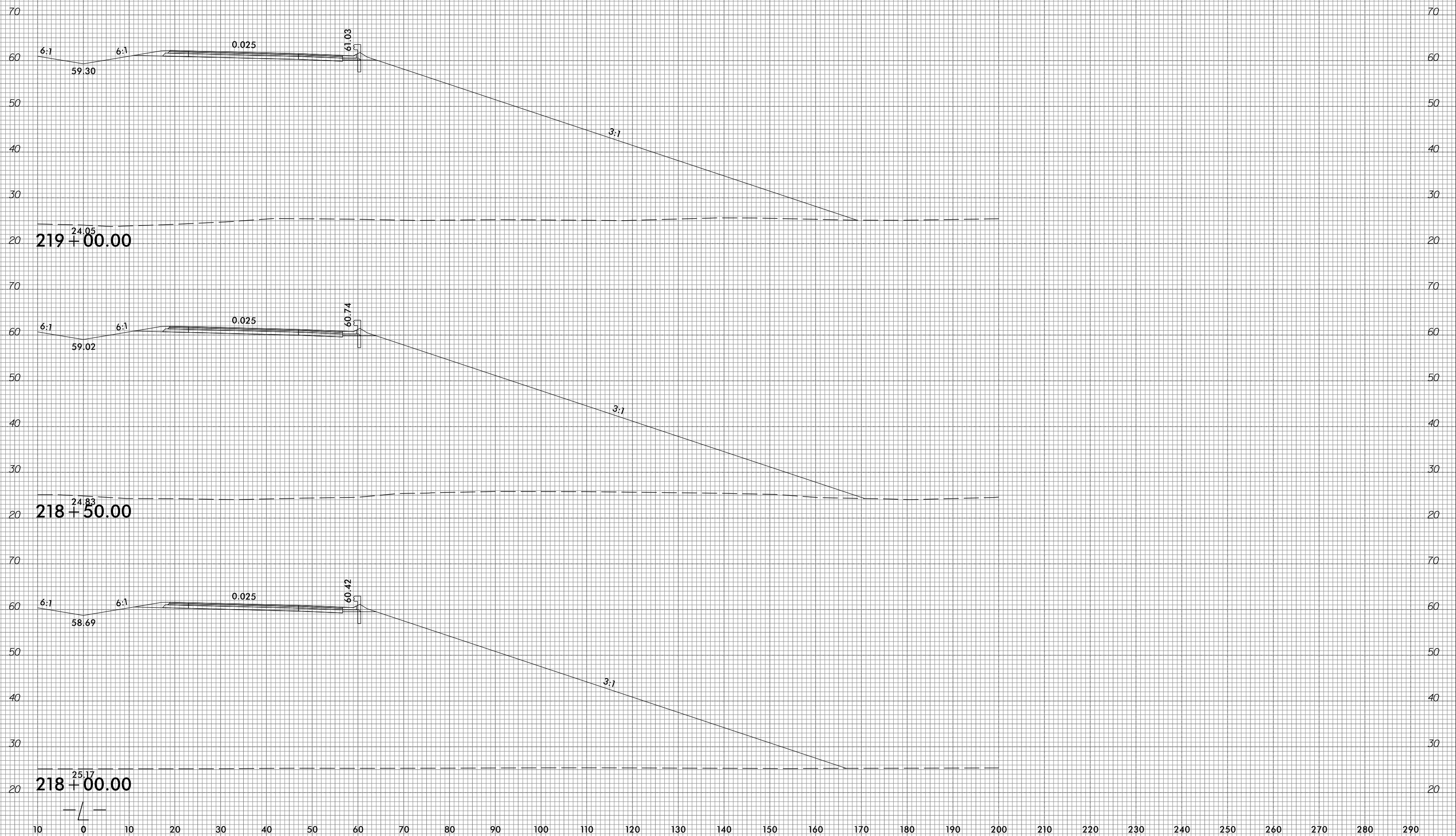


6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-110

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



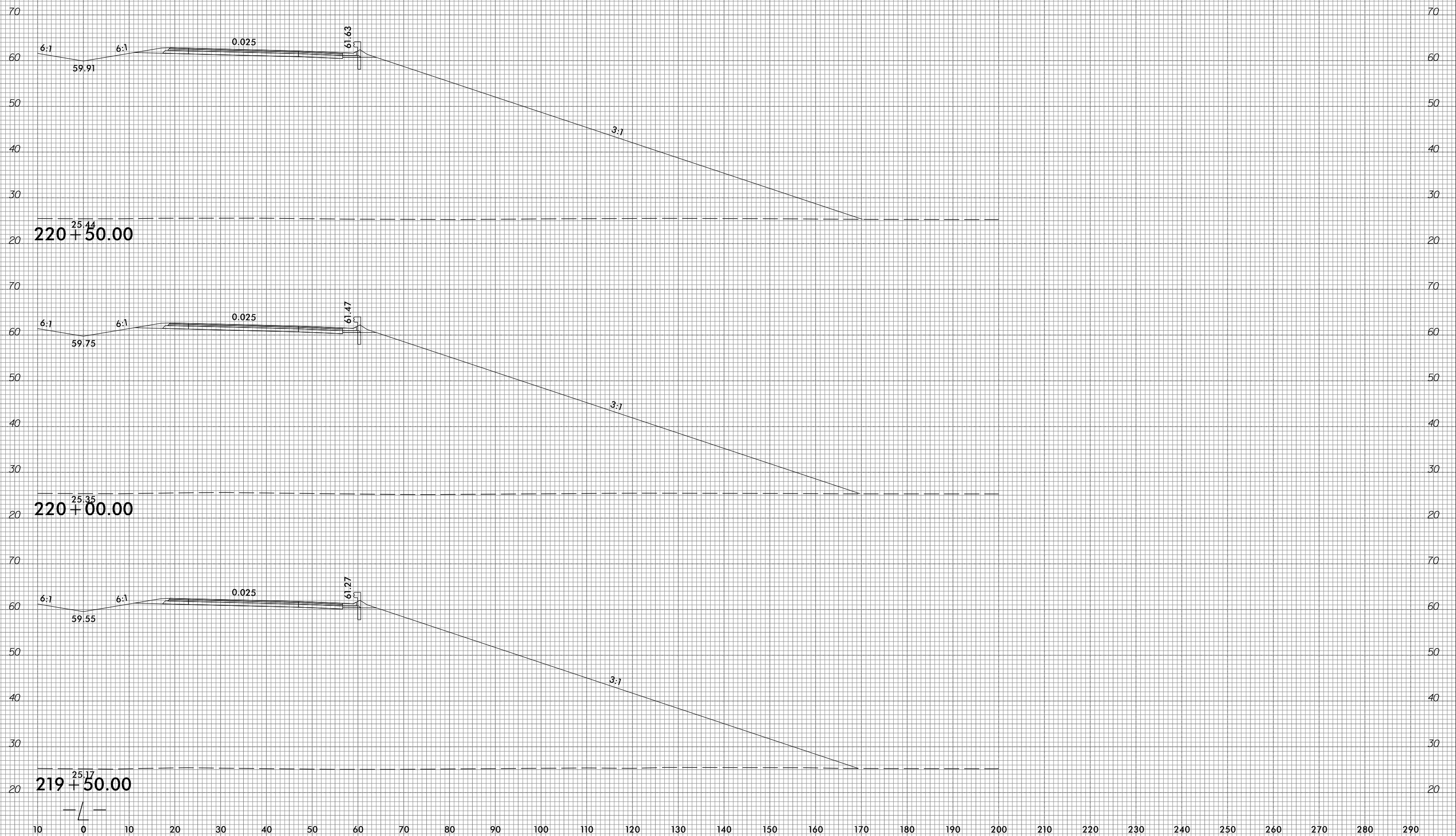
10/31/2018  
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 gmc311n

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-111

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



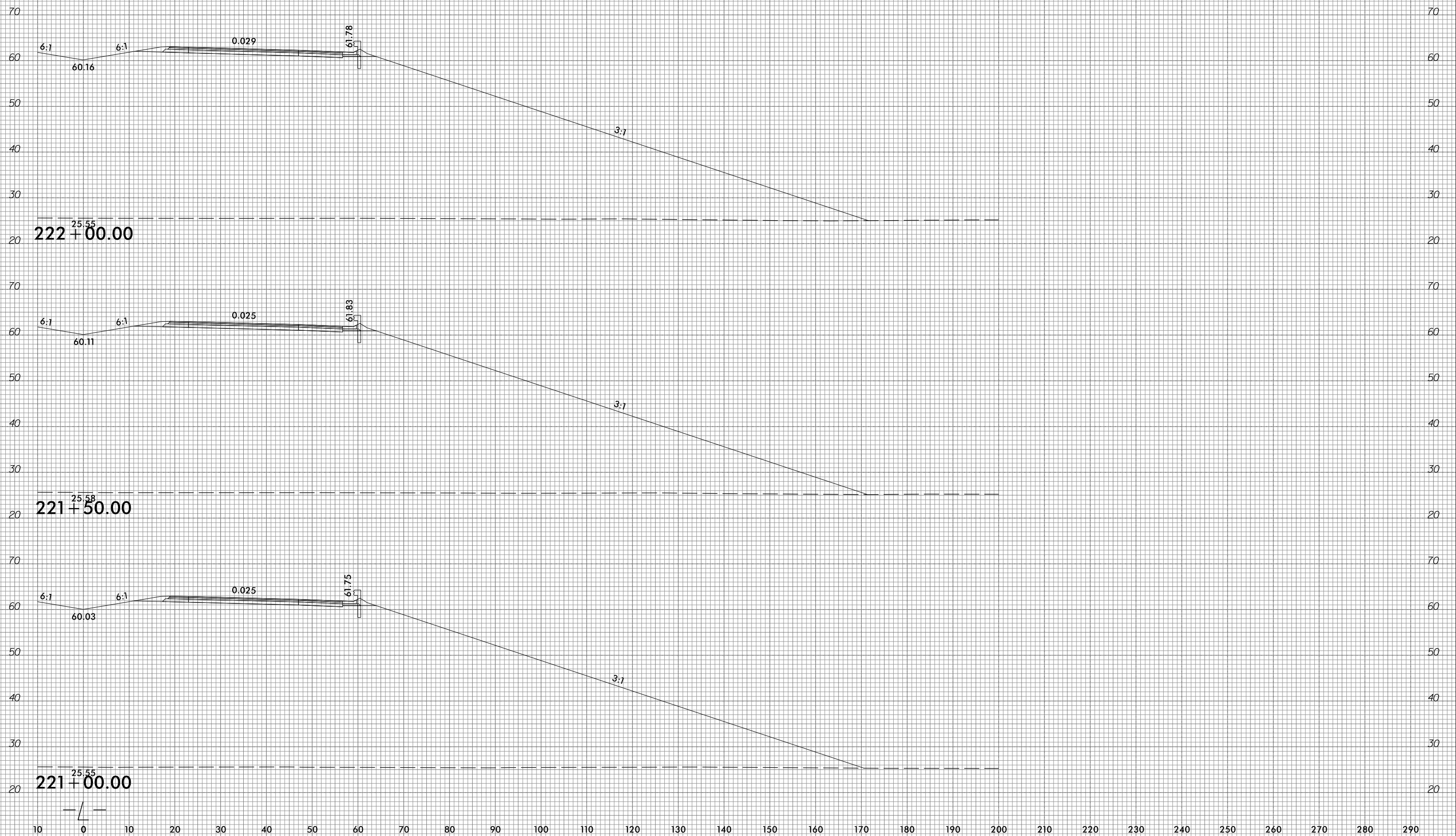
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 gmc311

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-112

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



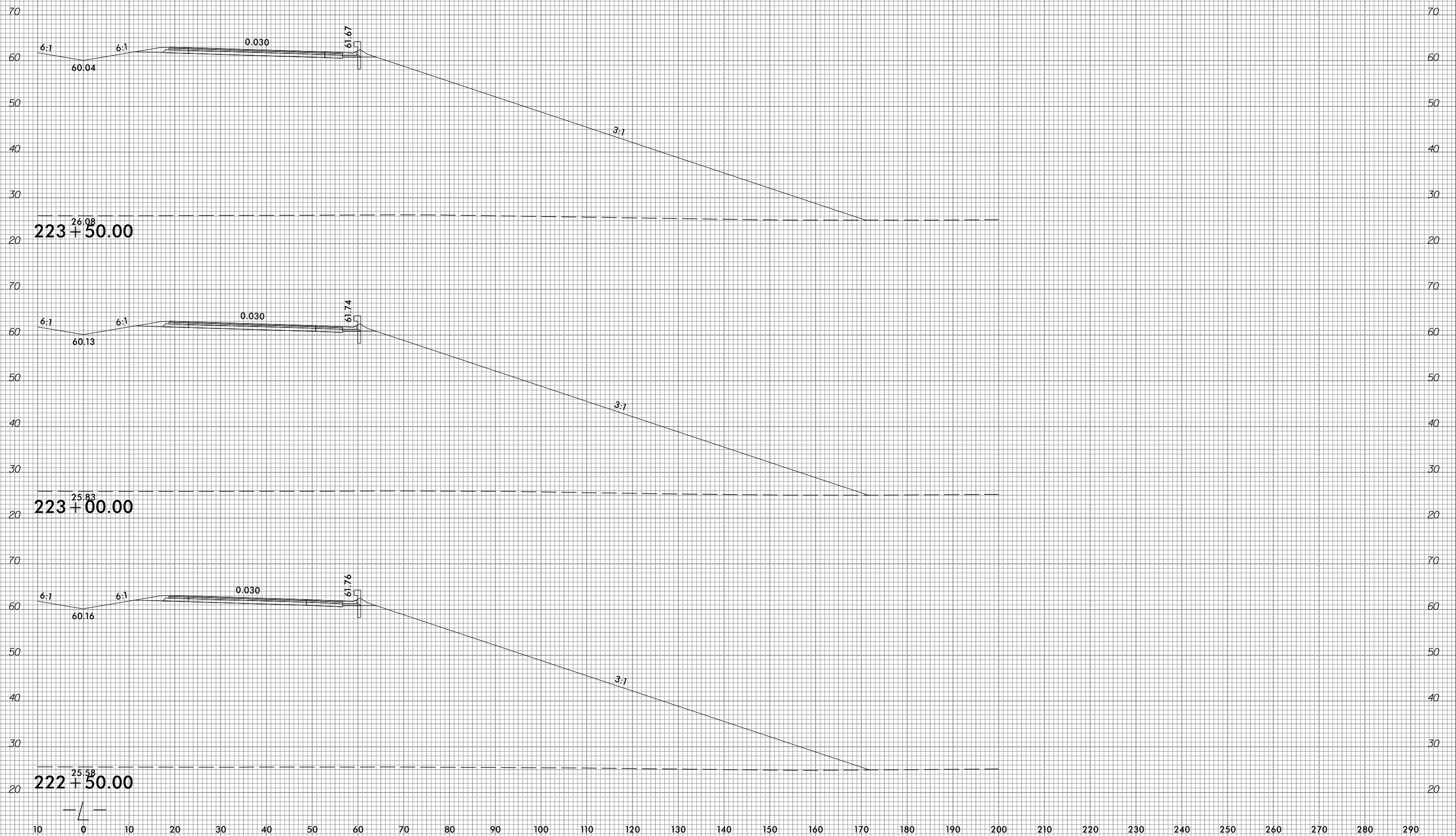
10/31/2018  
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 gmc311r

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-113

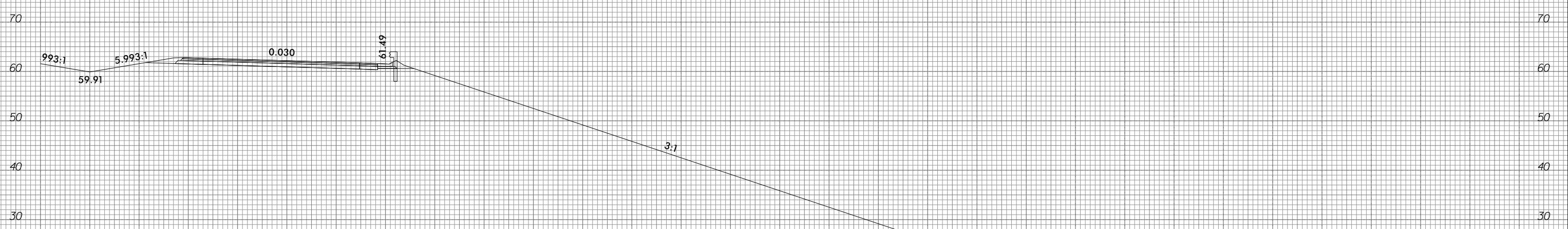
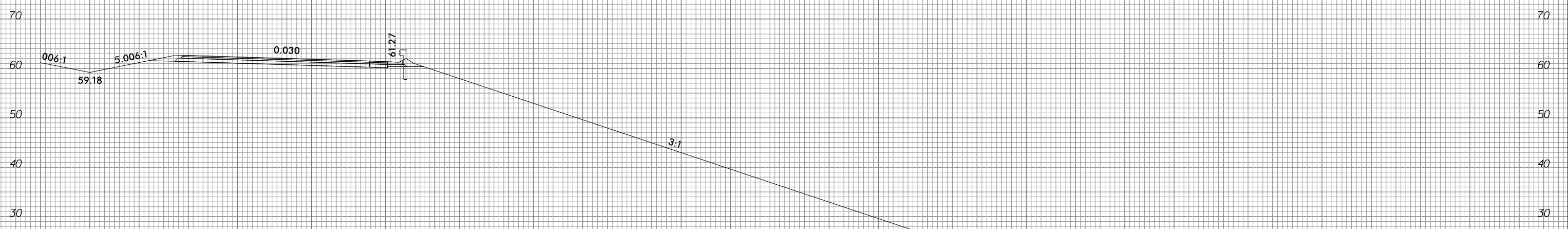
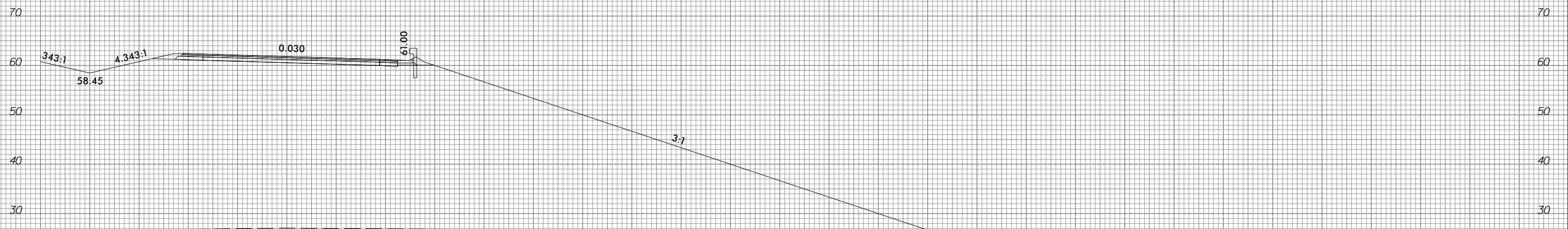
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290



10/31/2018  
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 gmc311



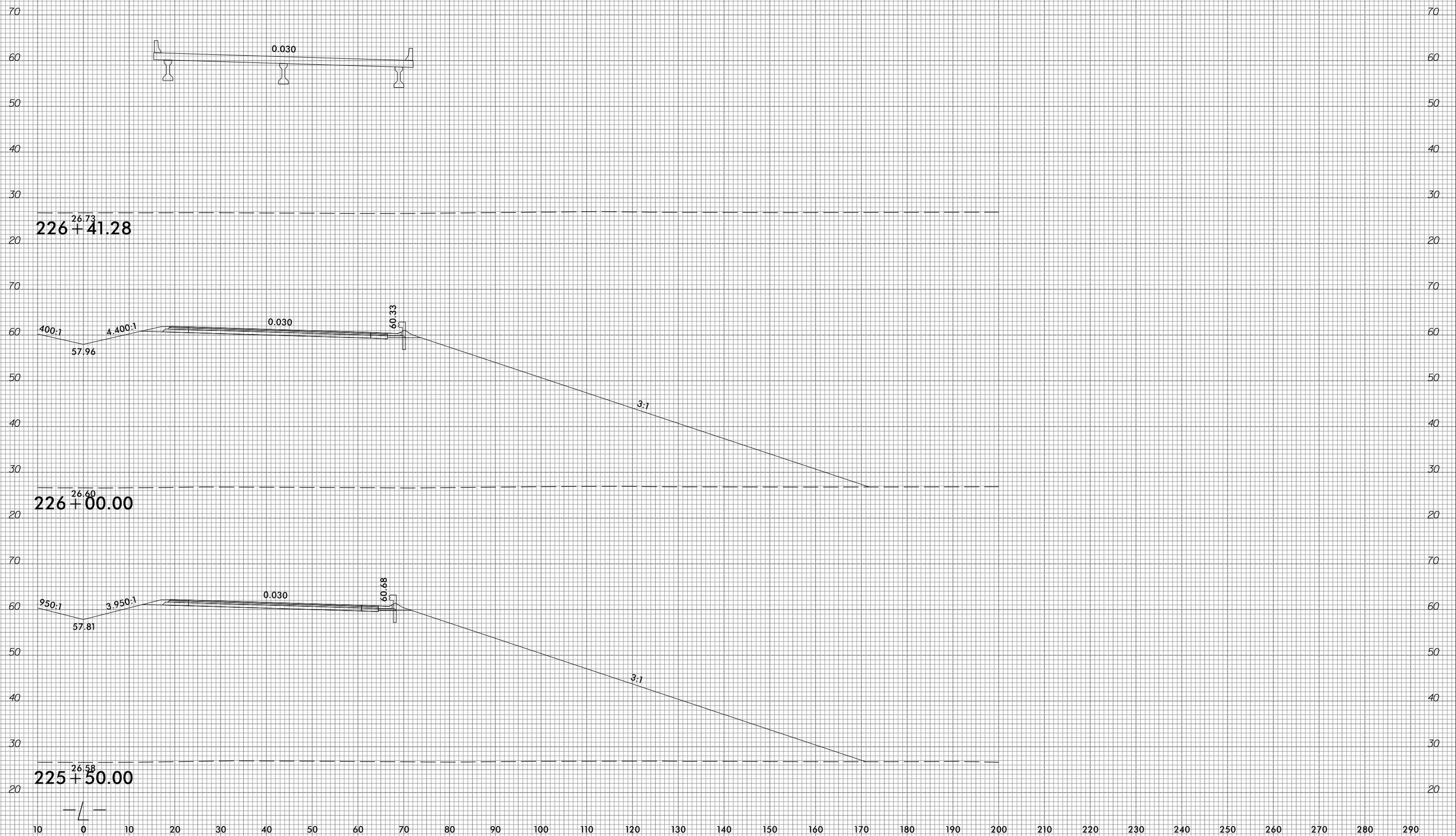
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10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290



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



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

70 70

60 60

50 50

40 40

30 30

20 20

228+00.00

24.56

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227+50.00

28.69

70 70

60 60

50 50

40 40

30 30

20 20

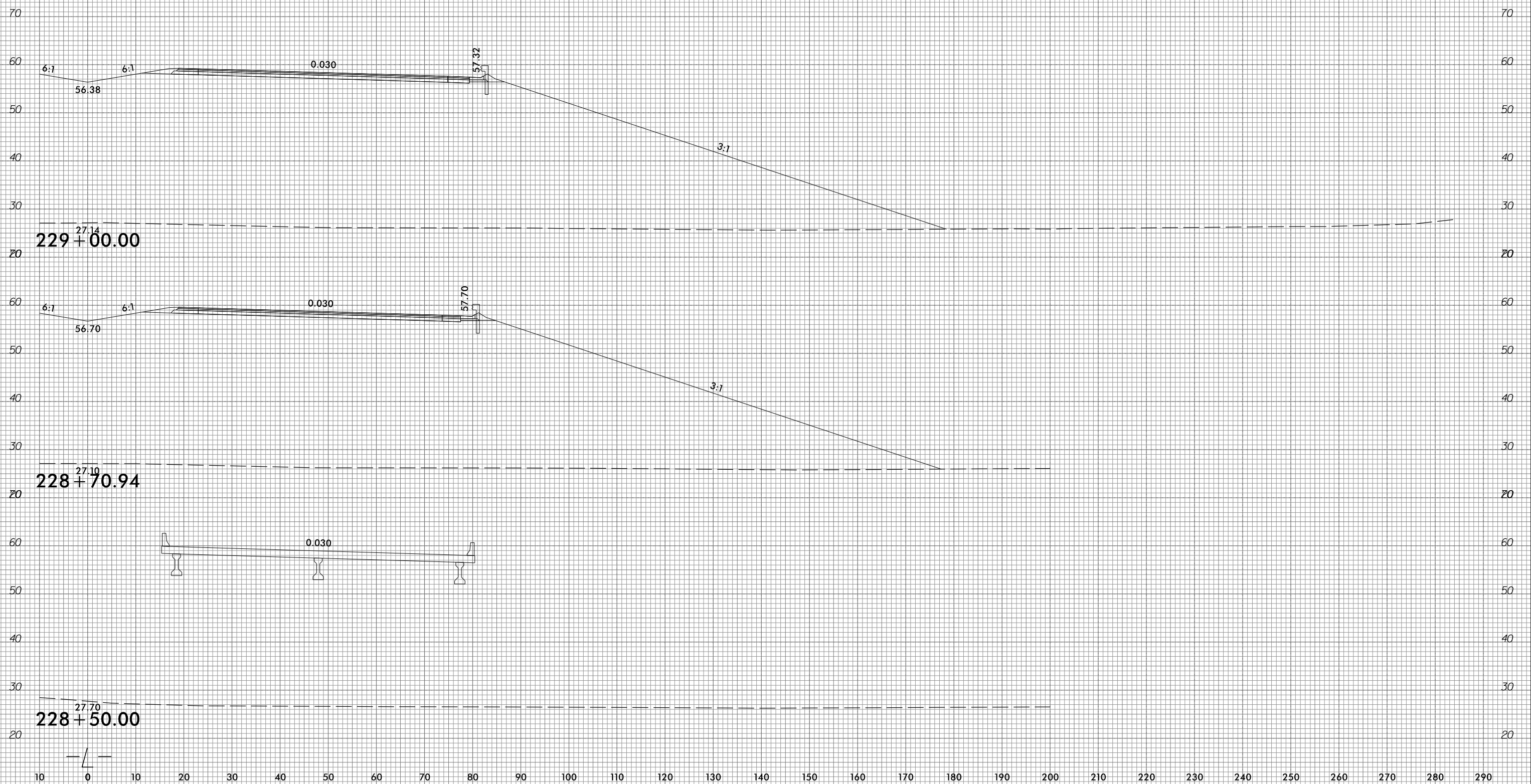
227+00.00

23.93



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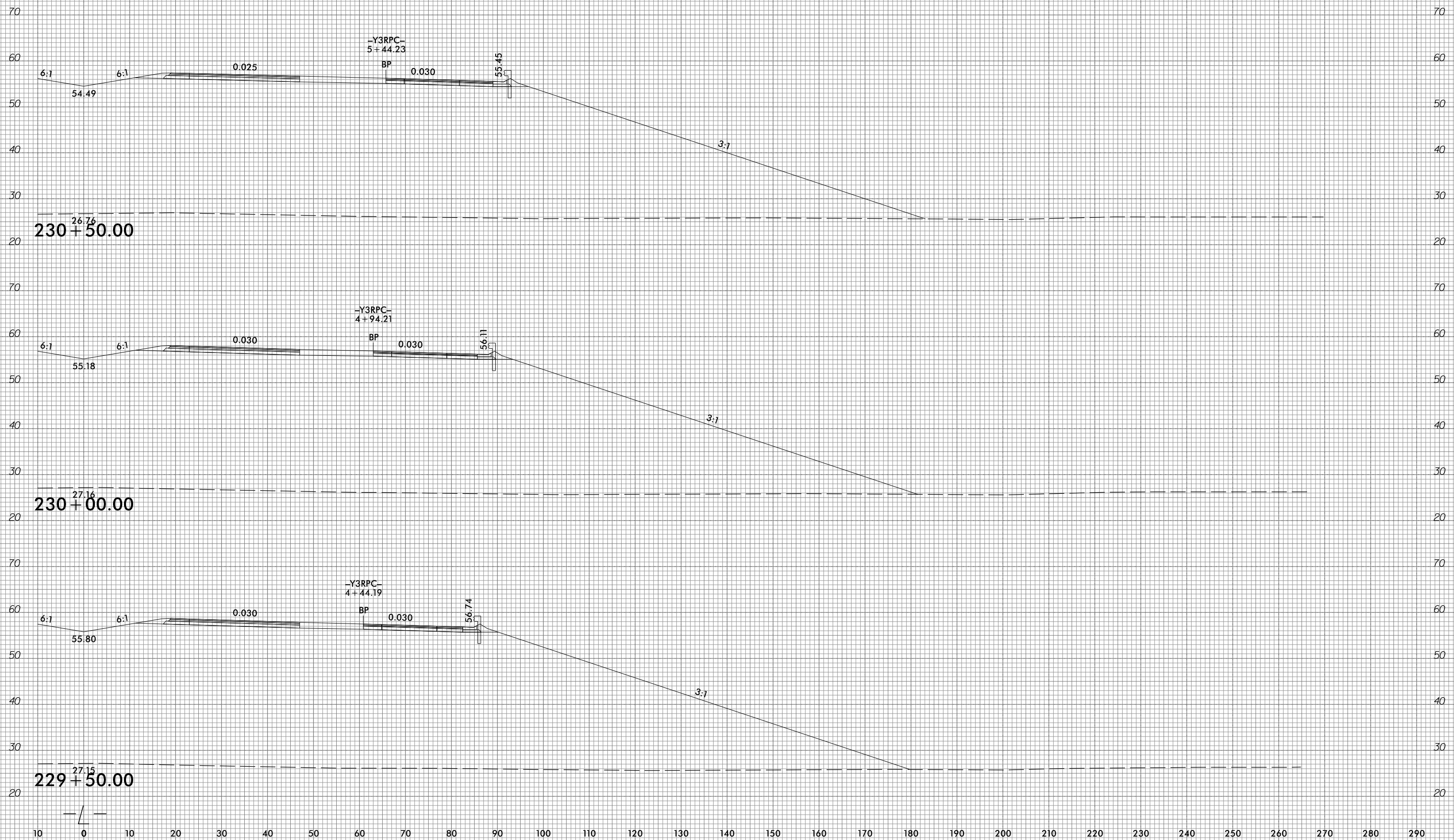
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-118

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gncdlin

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

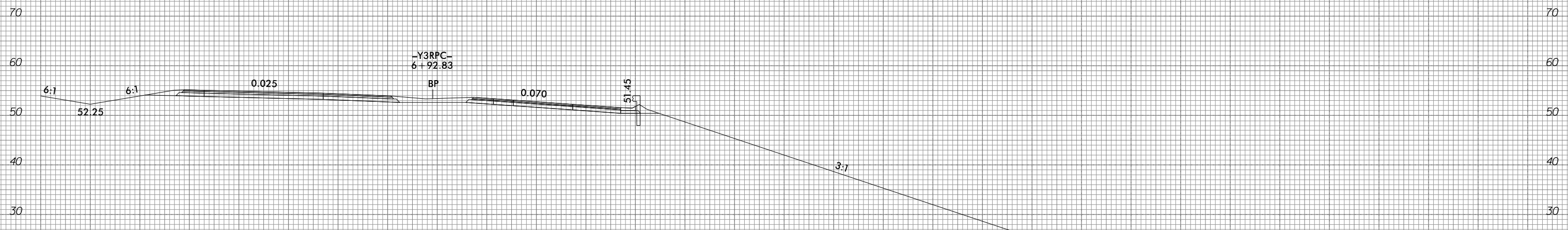
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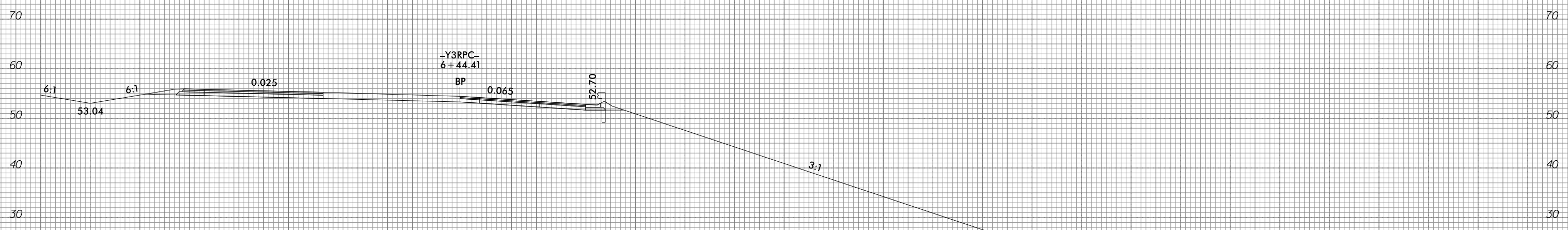
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R-1015

SHEET NO.  
X-119

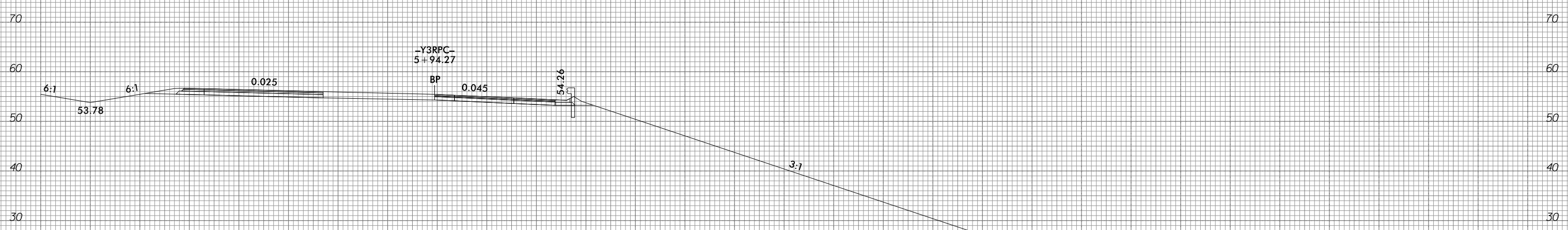
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232+00.00  
25.78



231+50.00  
25.94



231+00.00  
26.30

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

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gncd11

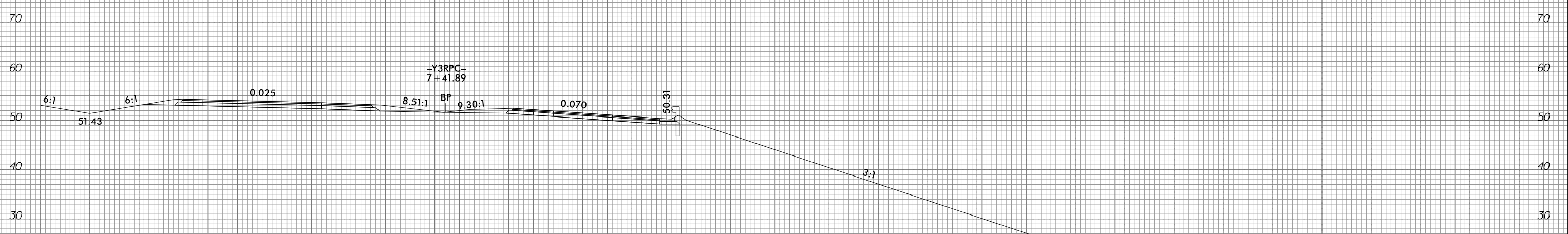
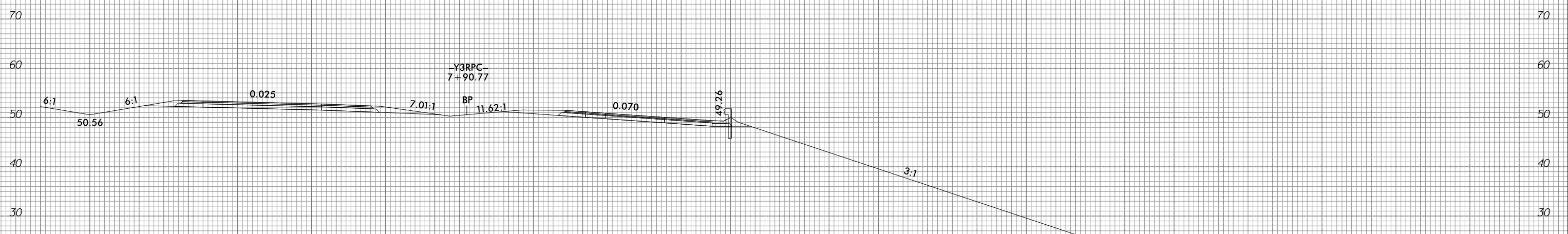
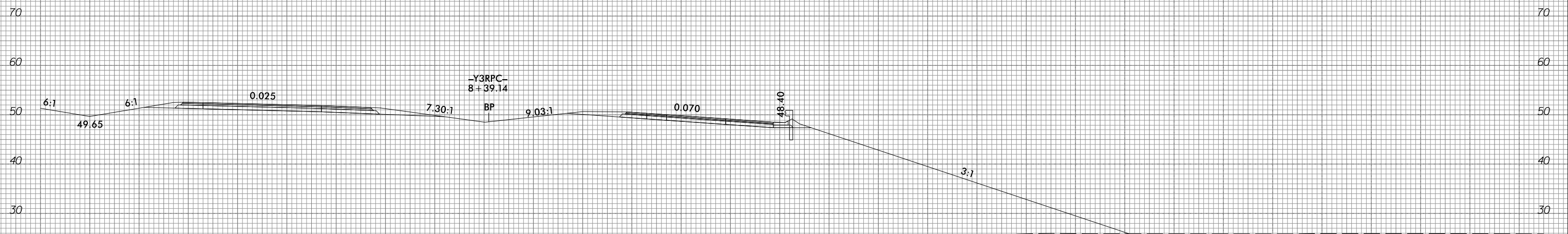
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-120

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

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gncdlin

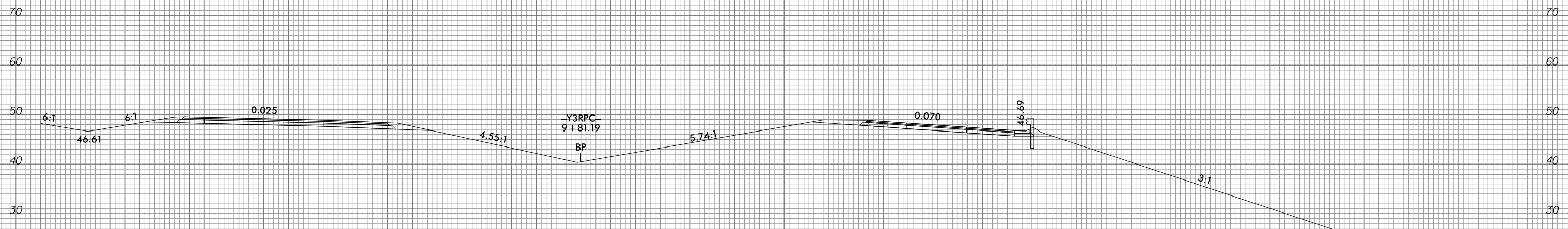
6/23/16



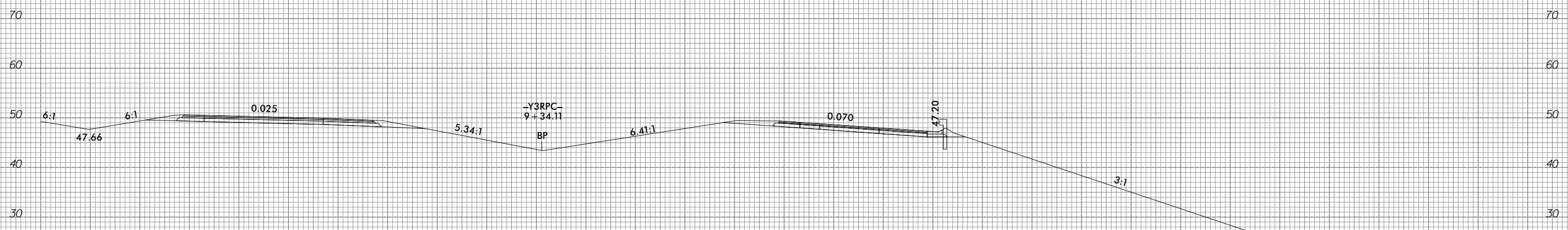
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-121

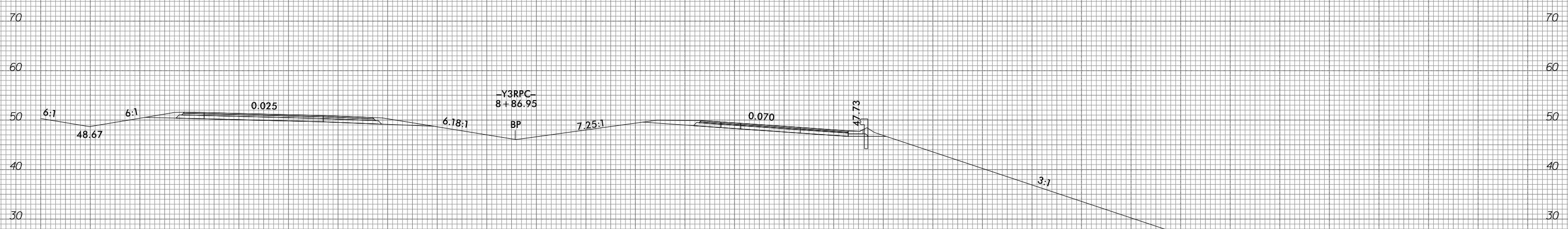
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235+00.00  
23.55



234+50.00  
24.18



234+00.00  
24.68

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

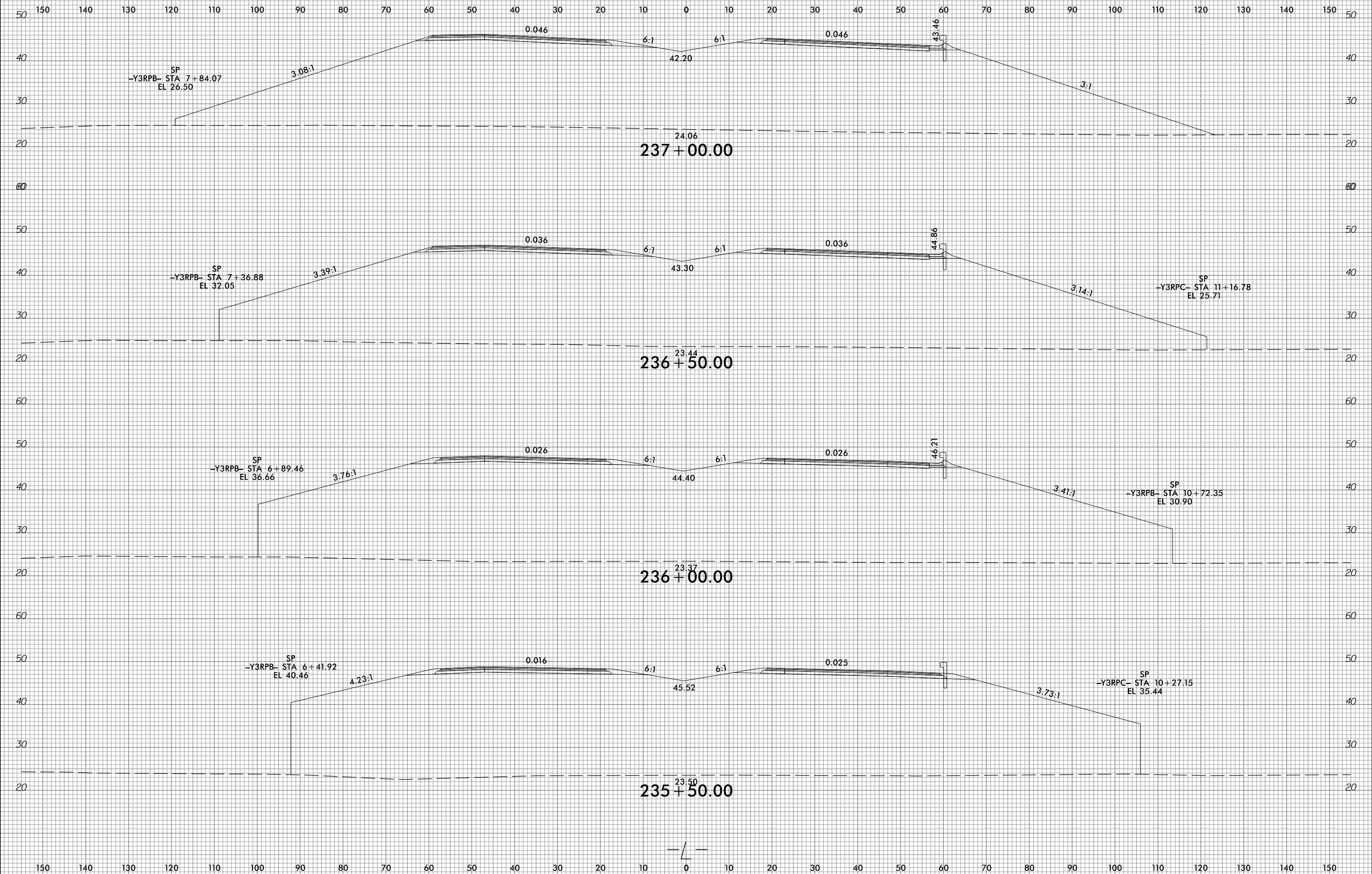
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gncdlin

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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-122



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gncdjin

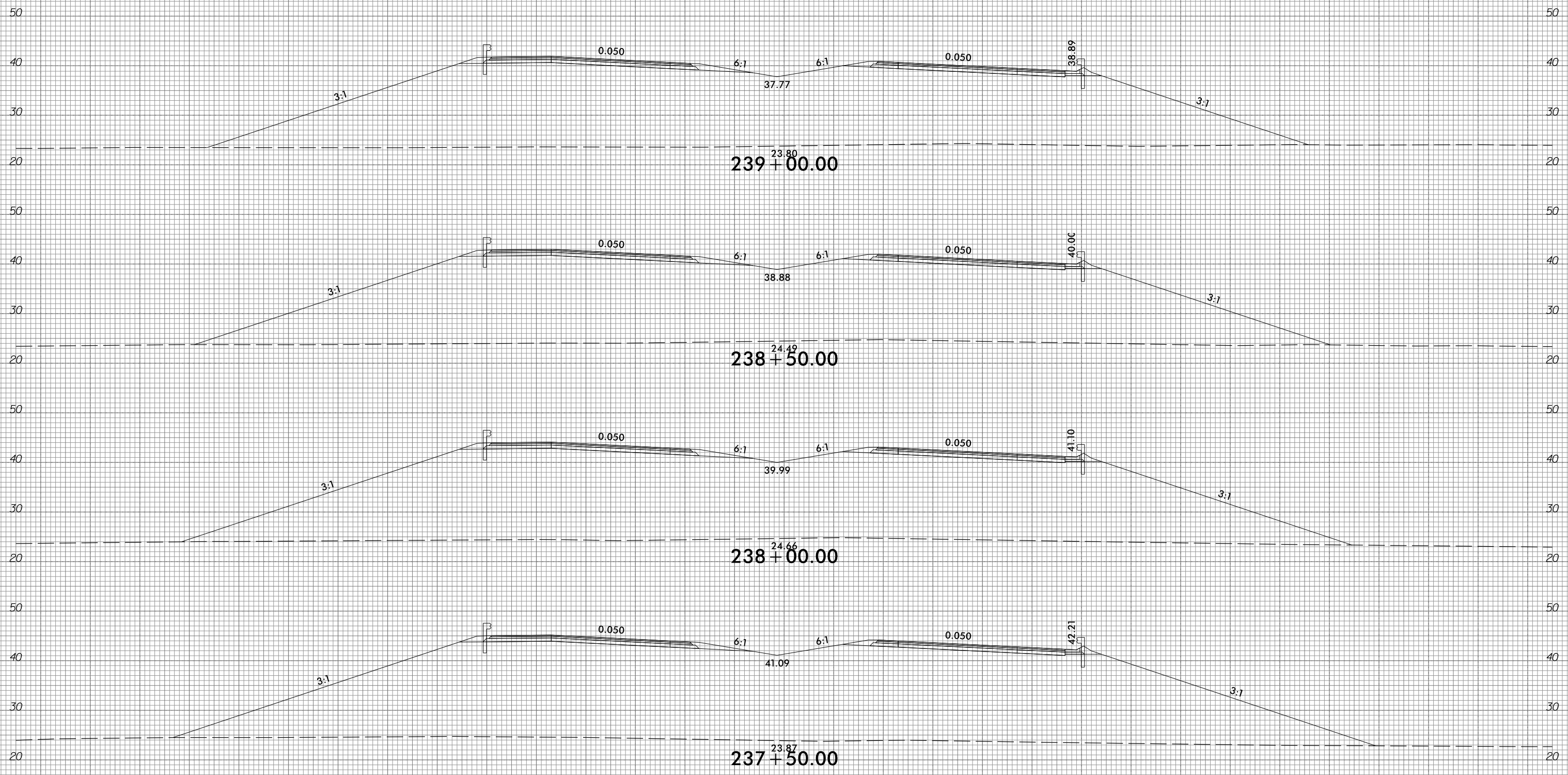
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-123

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

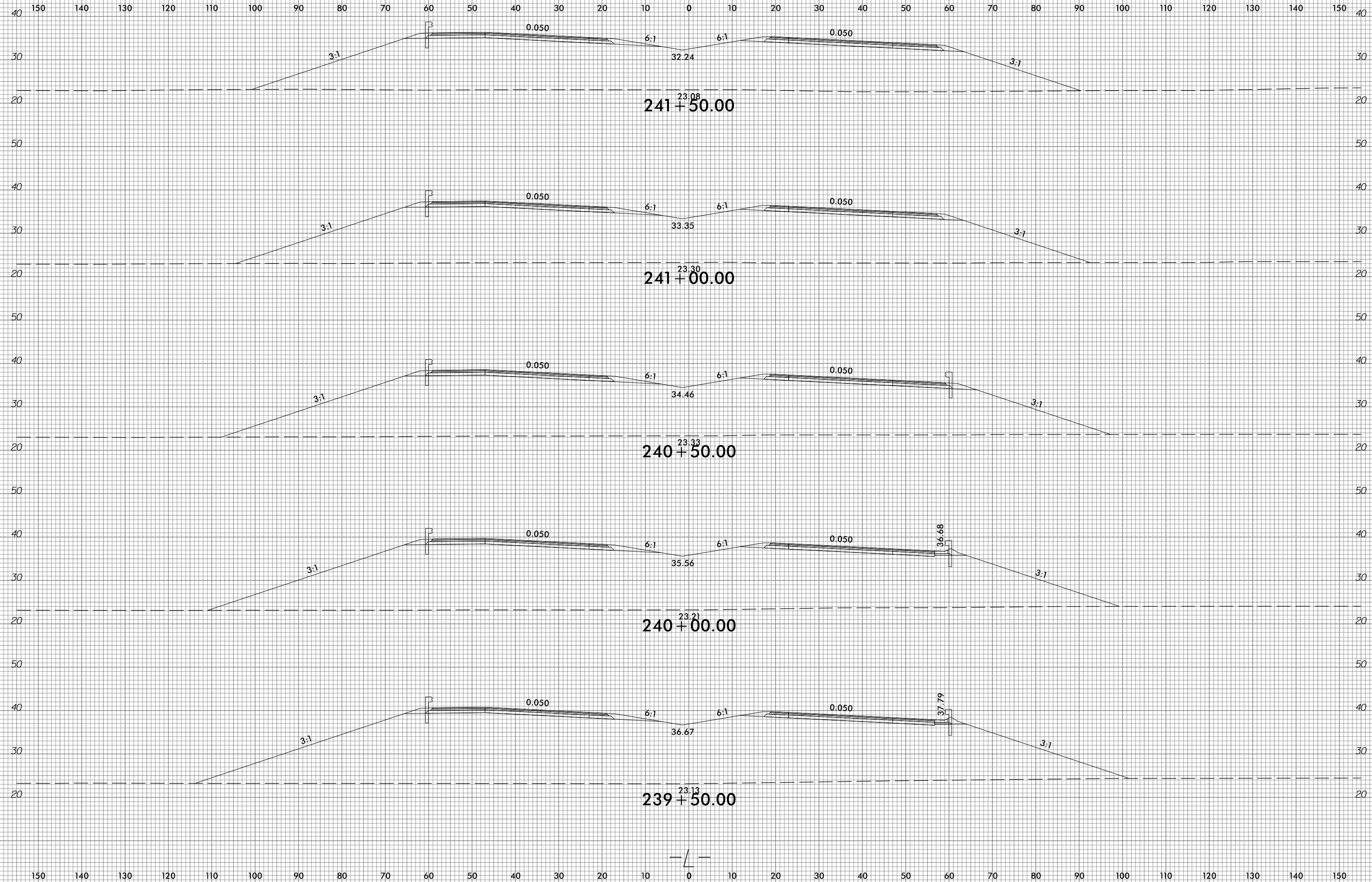


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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-124



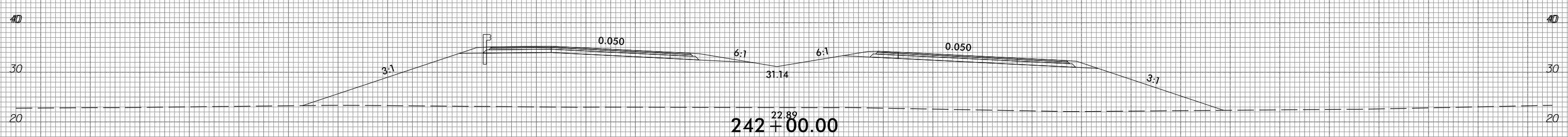
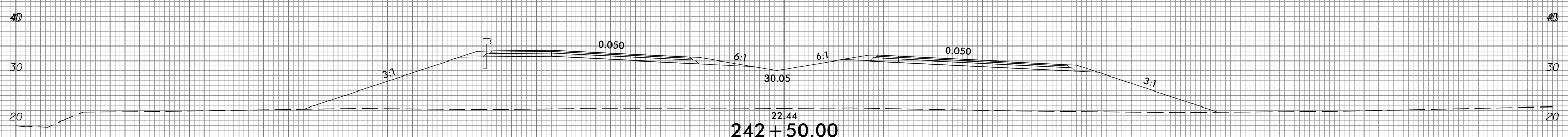
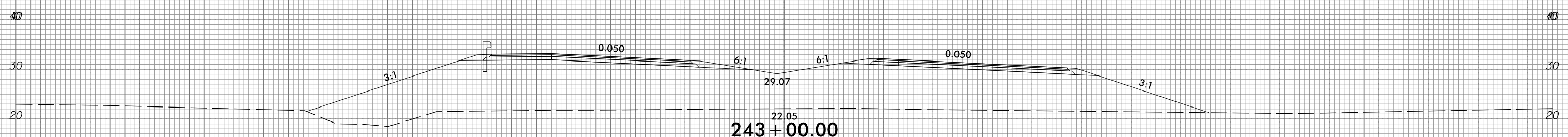
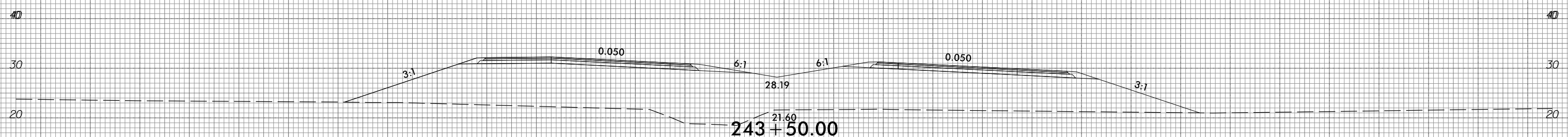
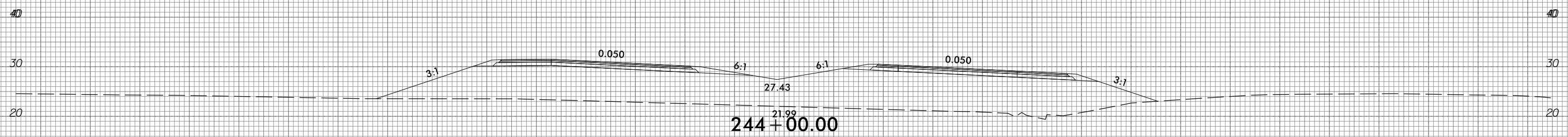
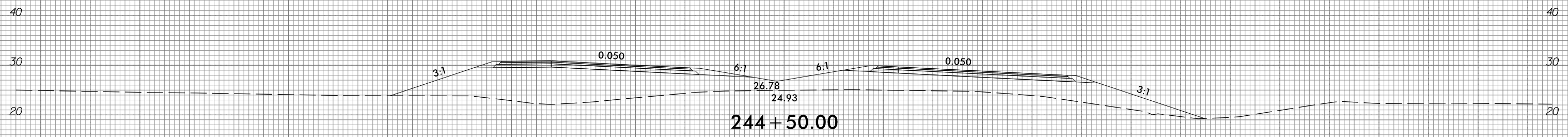
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gmc011

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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-125

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

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 gmc31in

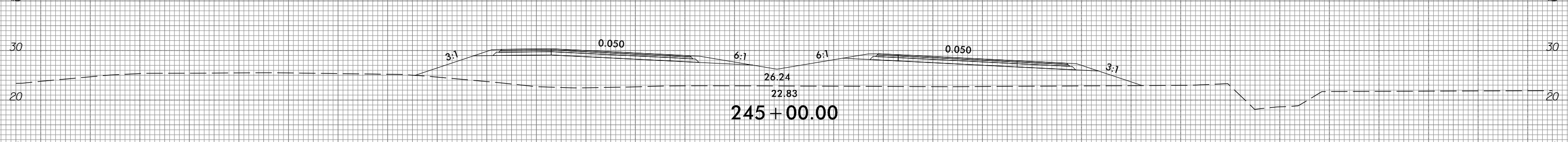
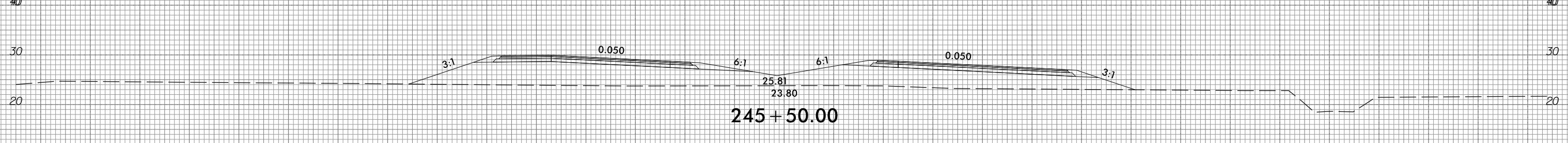
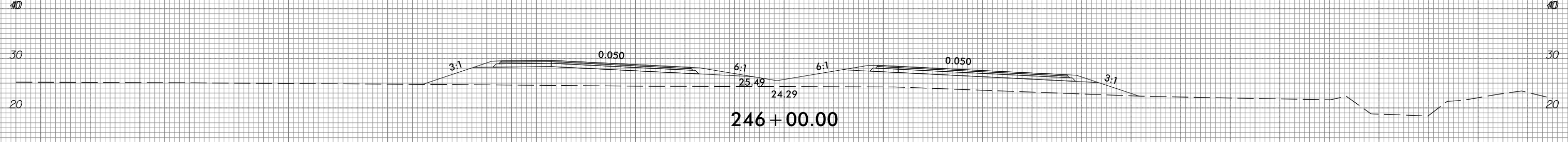
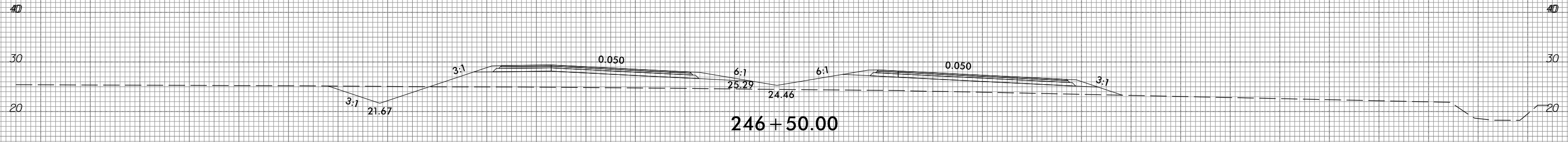
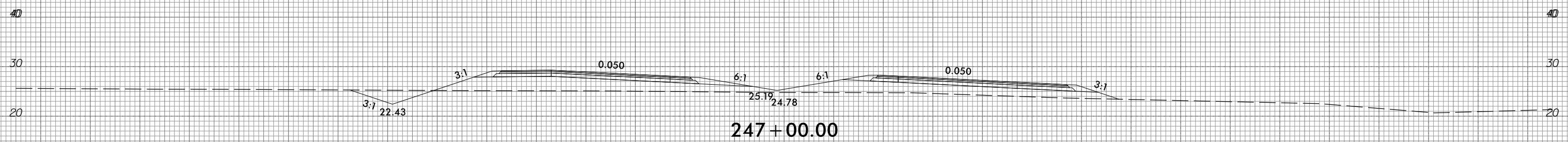
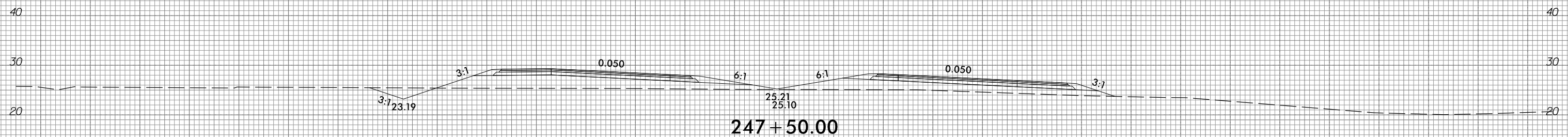
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-126

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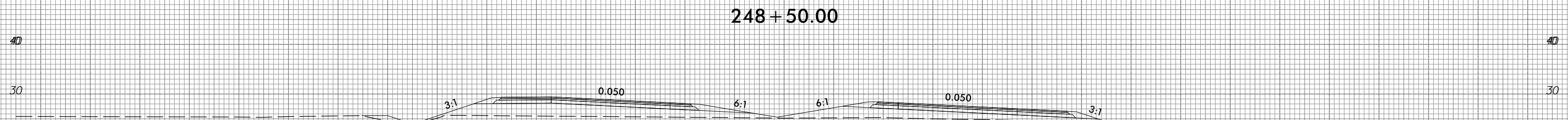
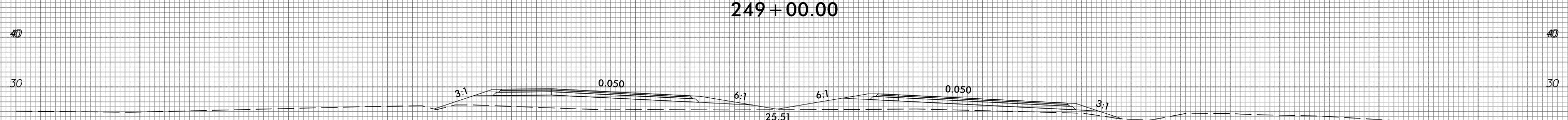
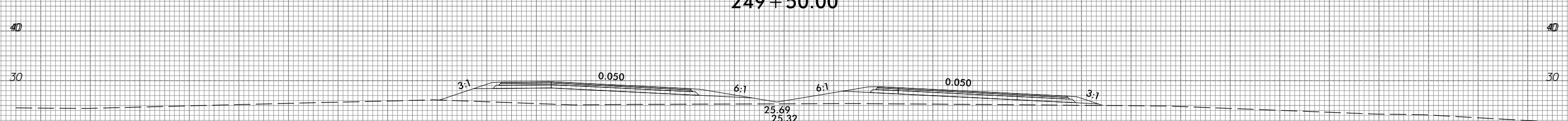
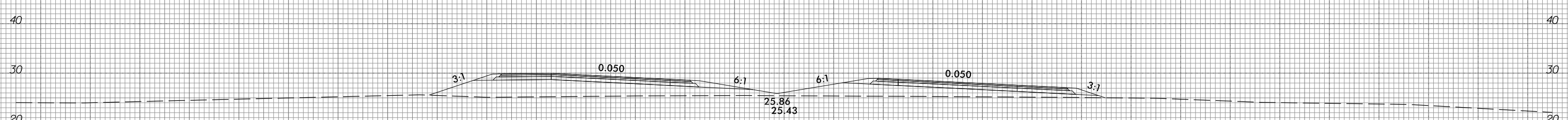
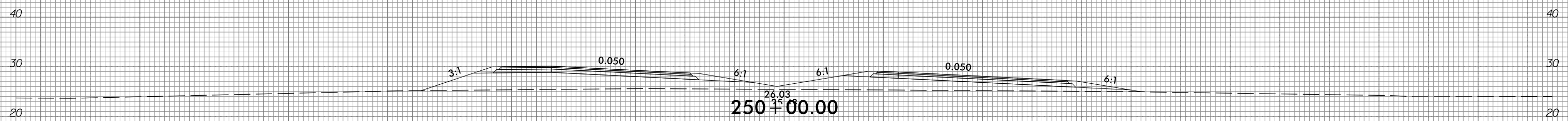
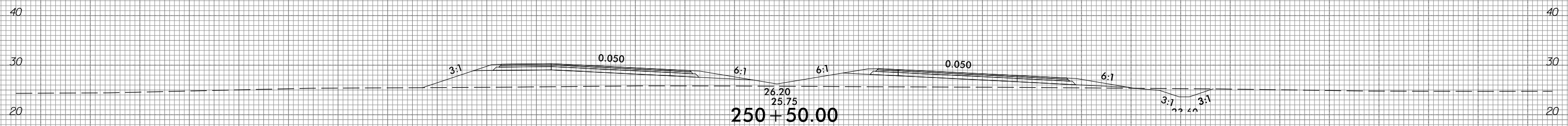


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gncdlin



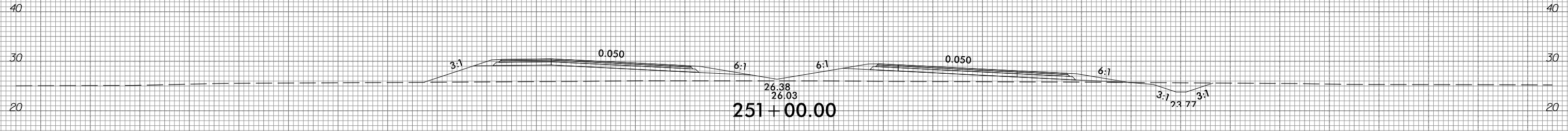
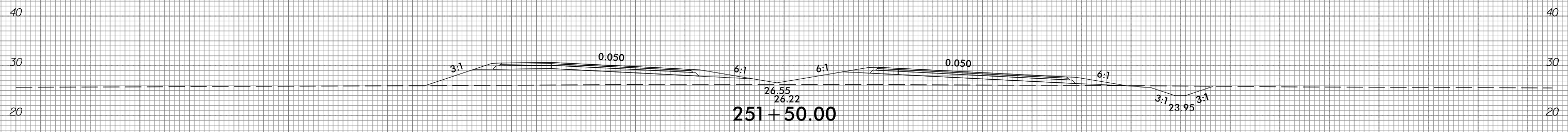
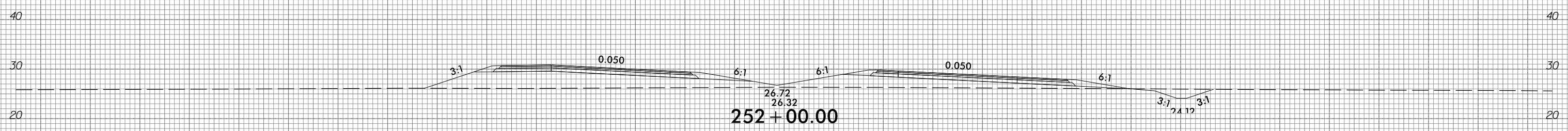
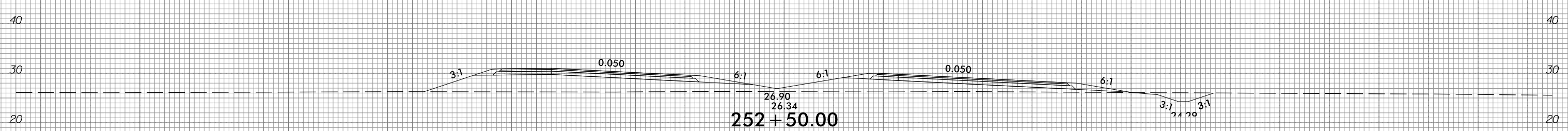
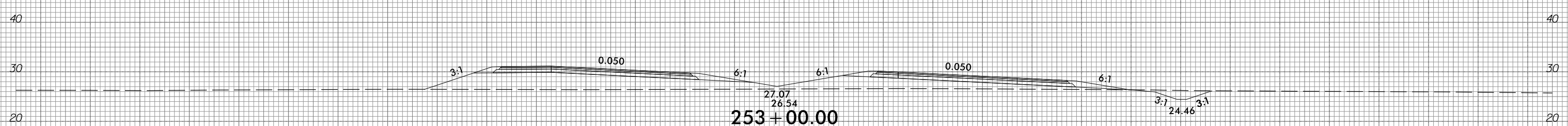
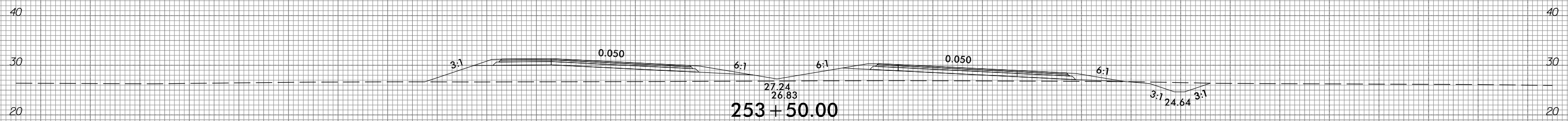
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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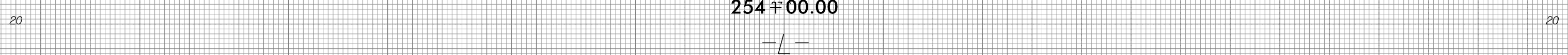
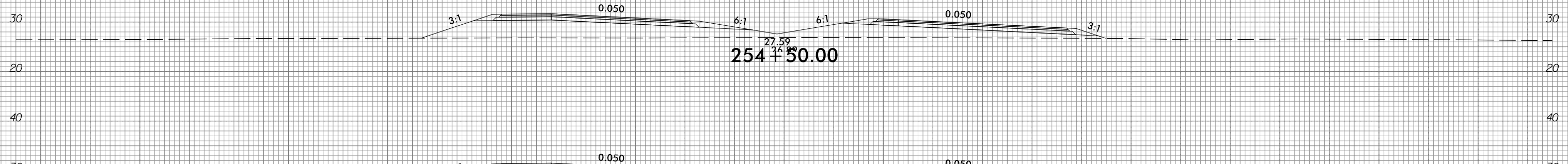
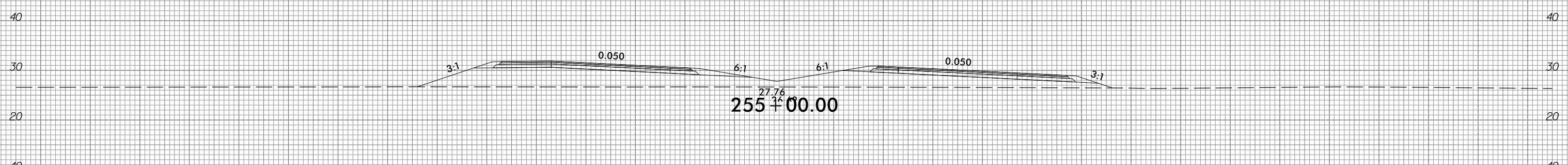
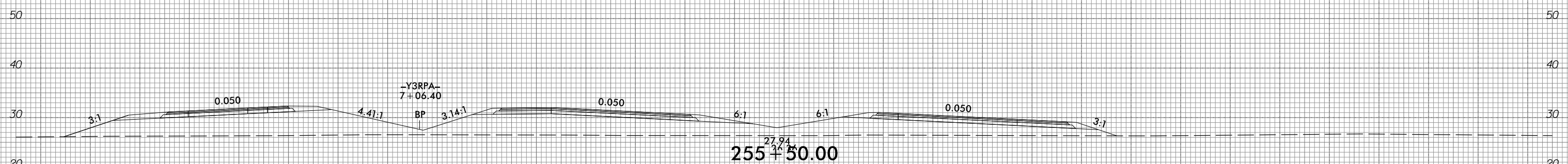
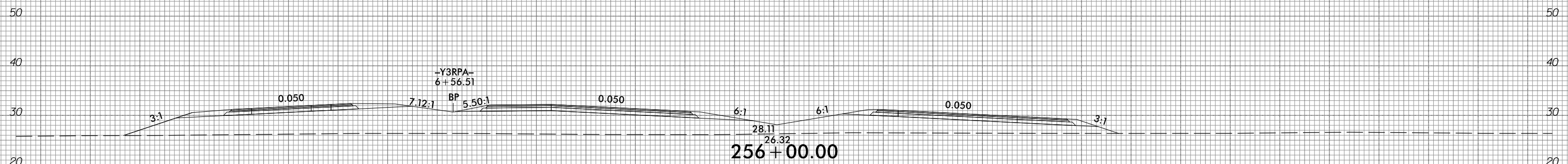
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-129

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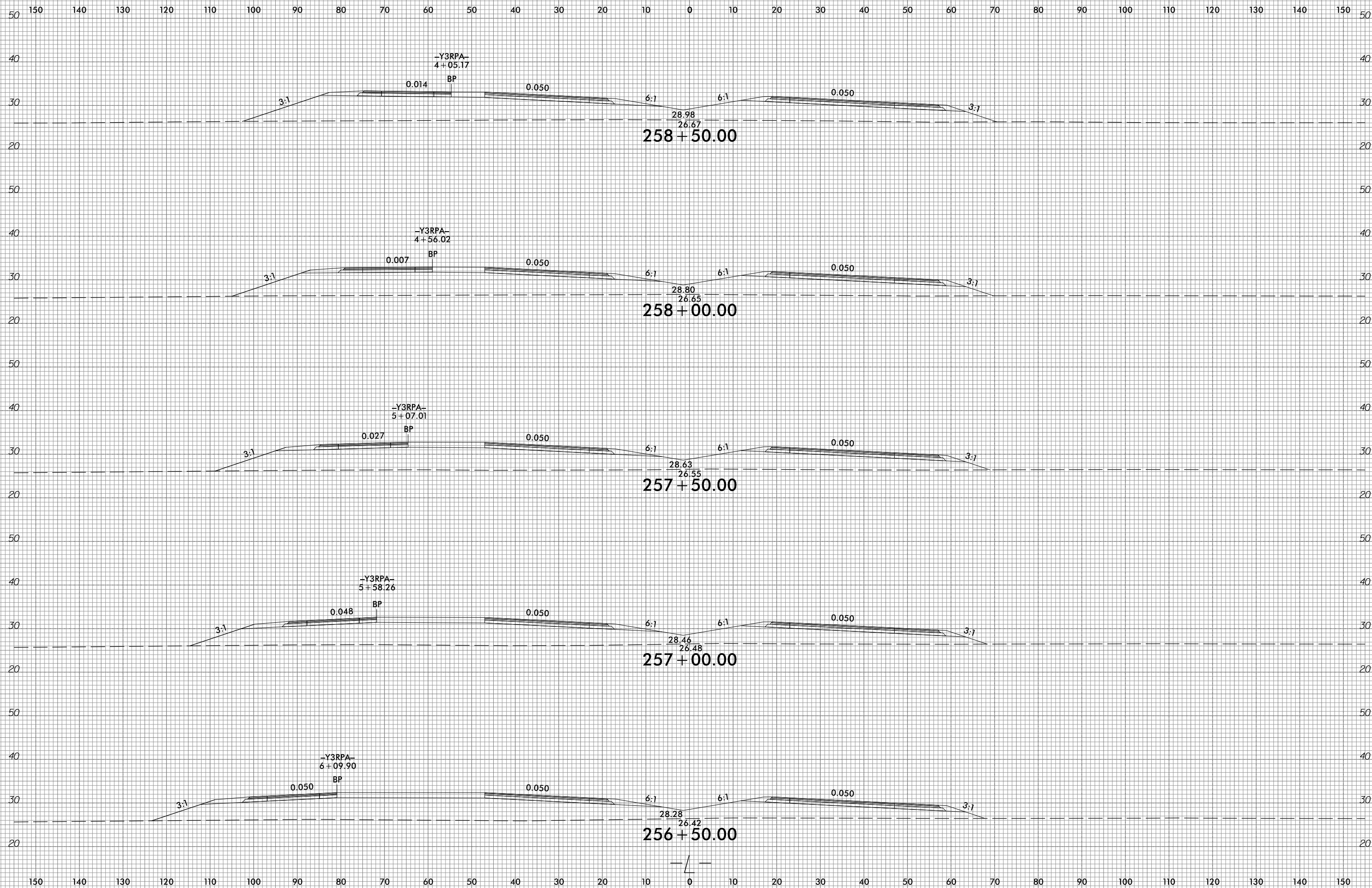
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gncdjin

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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-130



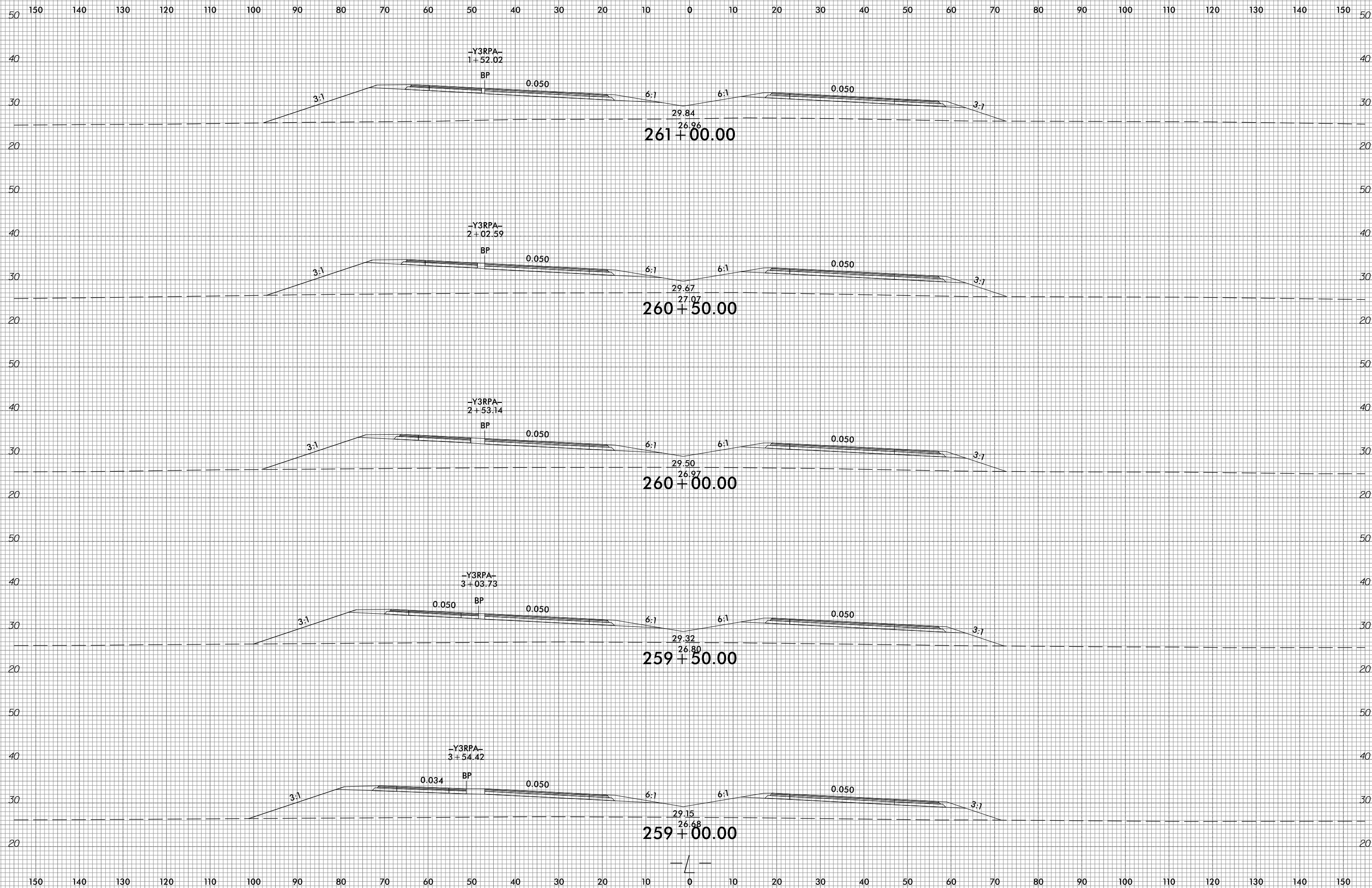
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gncdlin

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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-131



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gncdlin

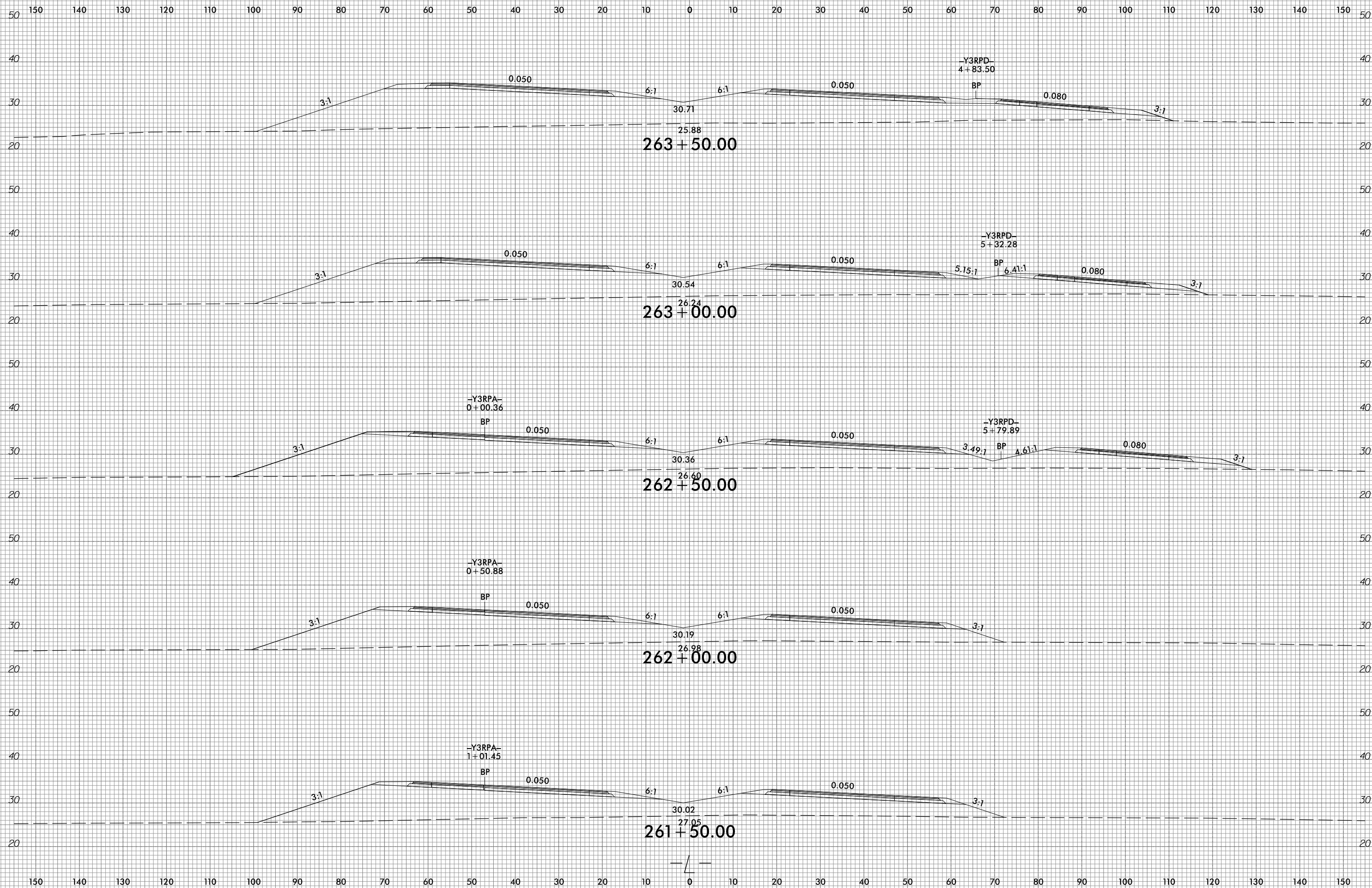


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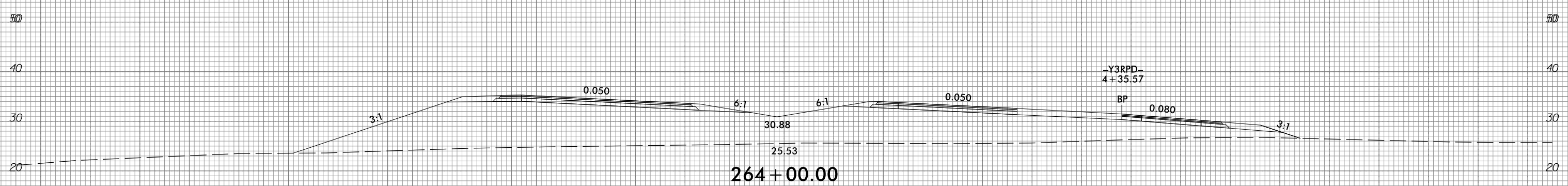
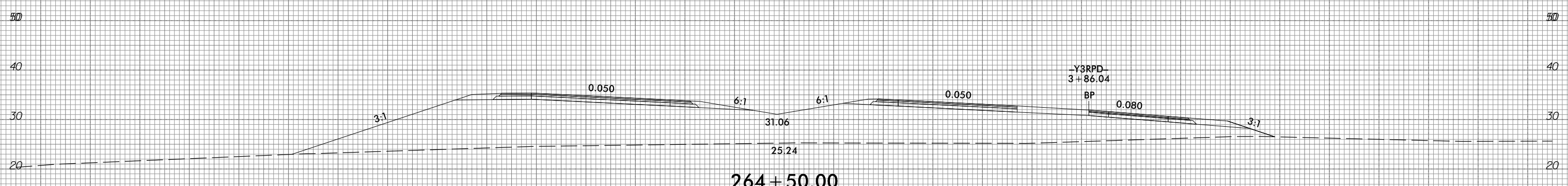
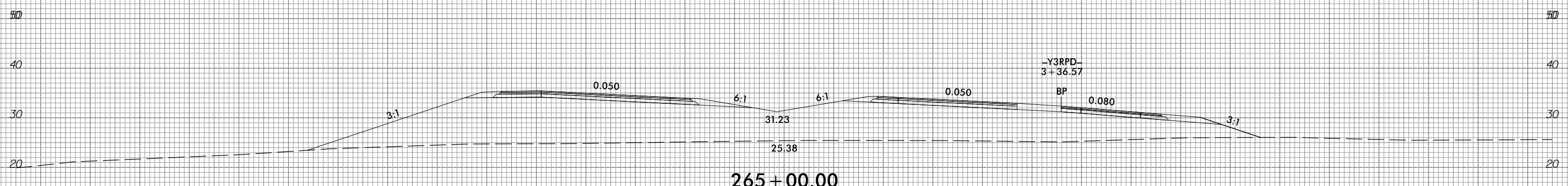
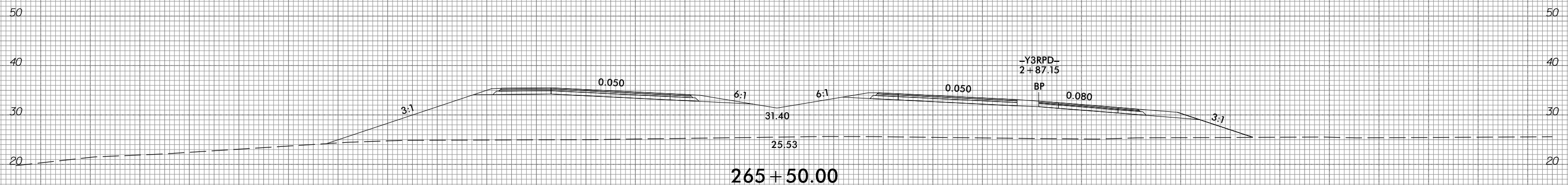
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
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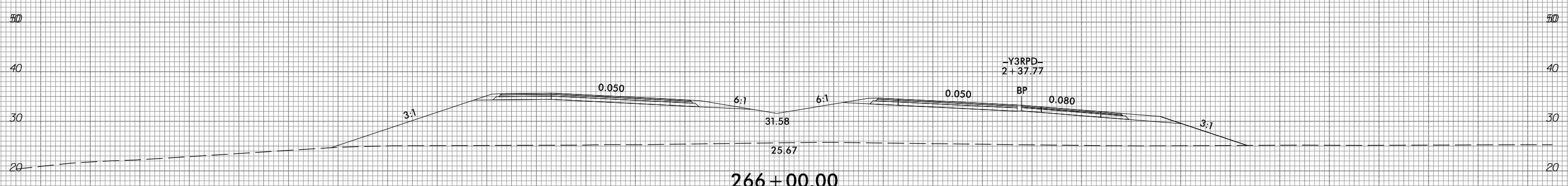
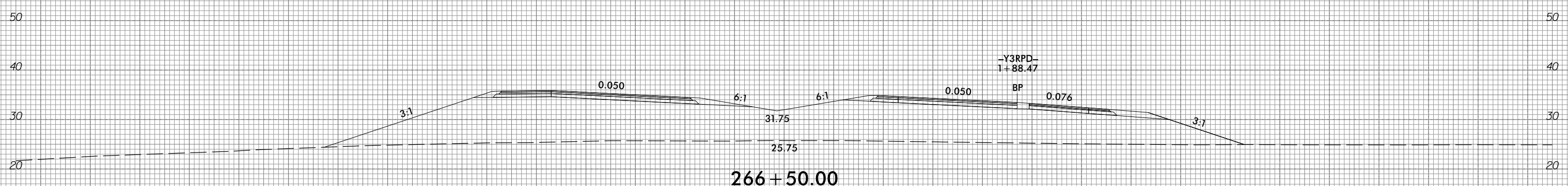
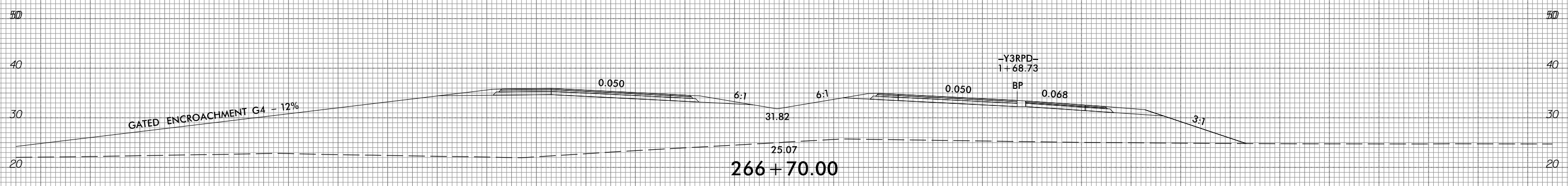
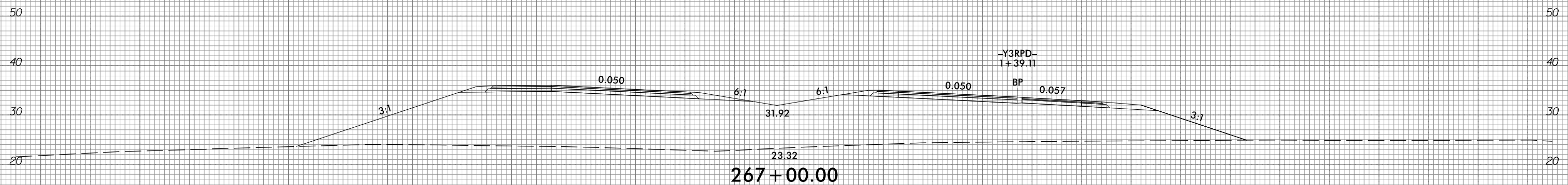
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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

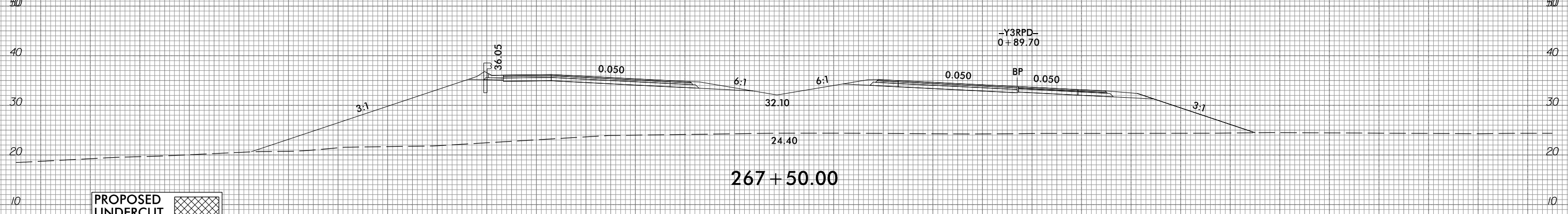
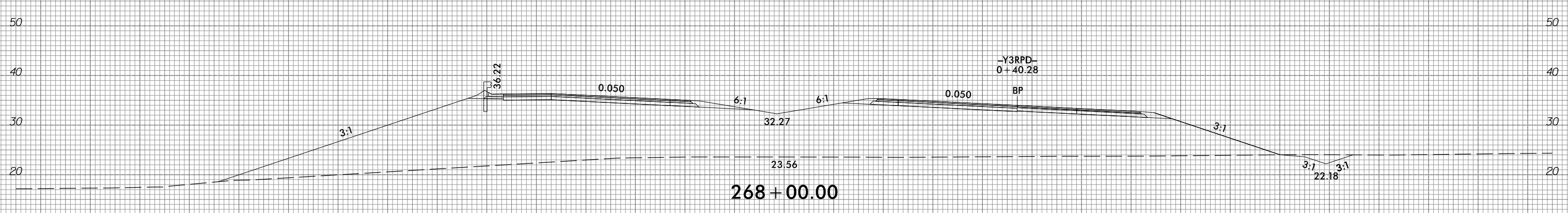
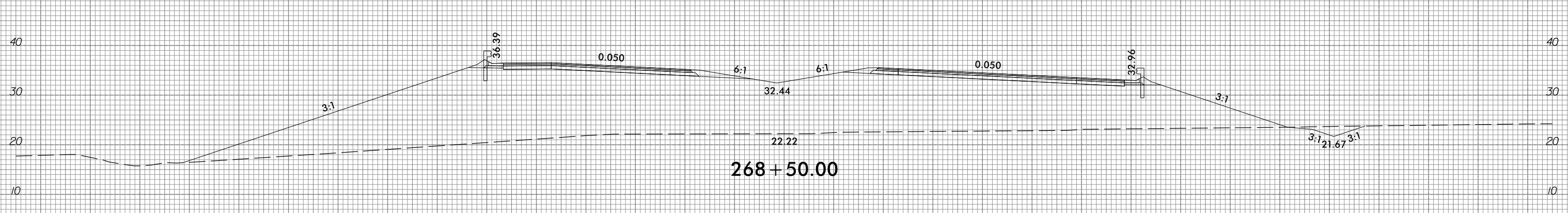
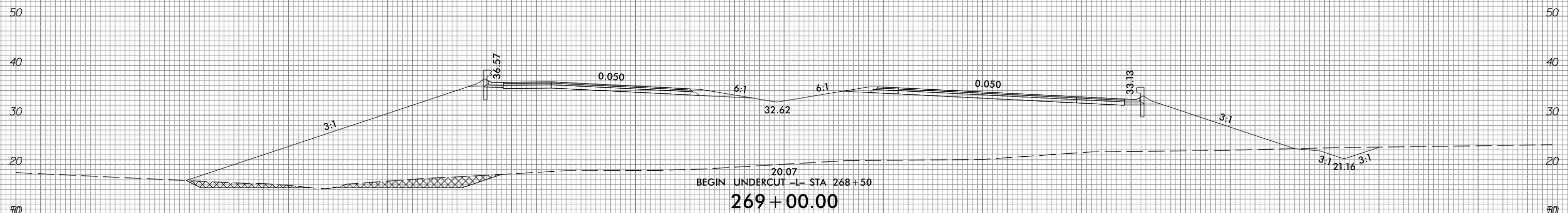
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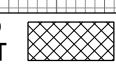
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-135

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PROPOSED UNDERCUT



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10/31/2016  
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gncdlin

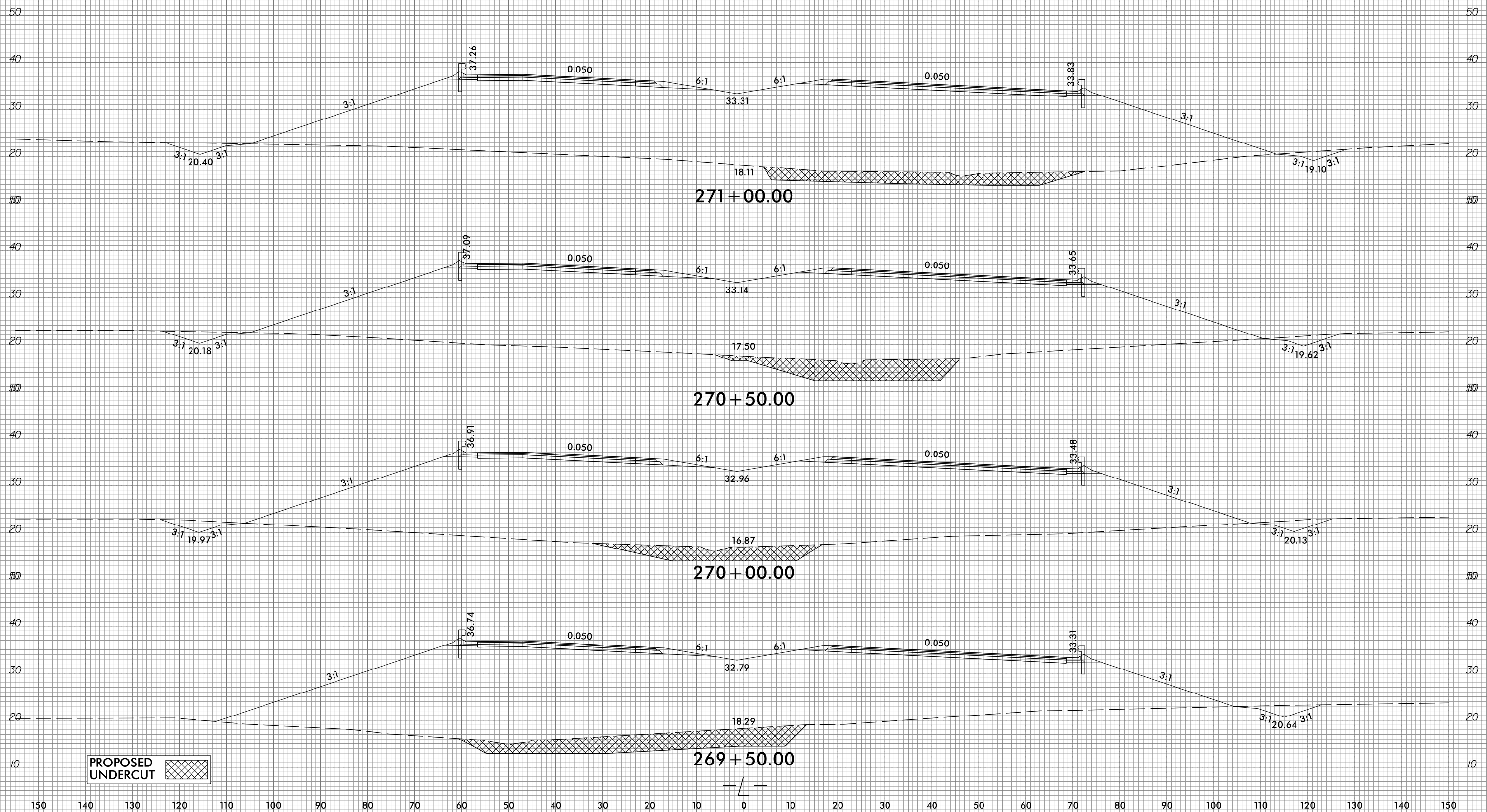
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-136

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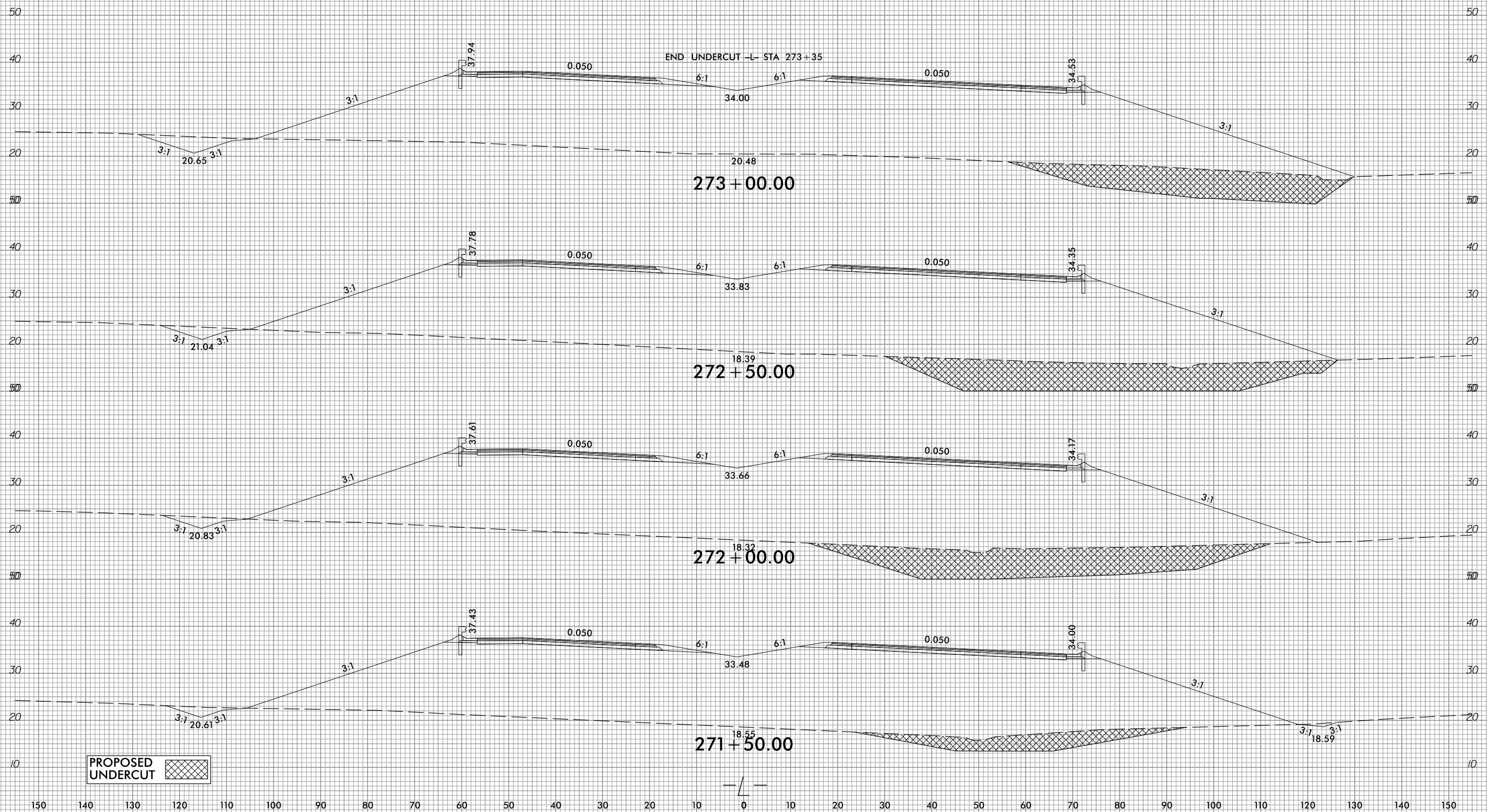
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-137

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PROPOSED UNDERCUT

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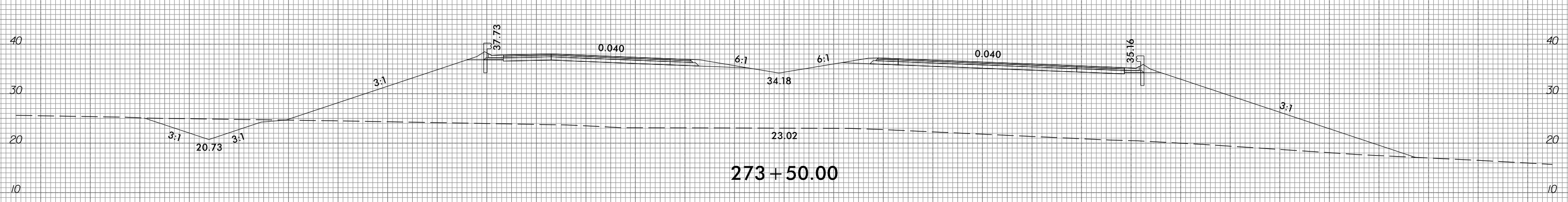
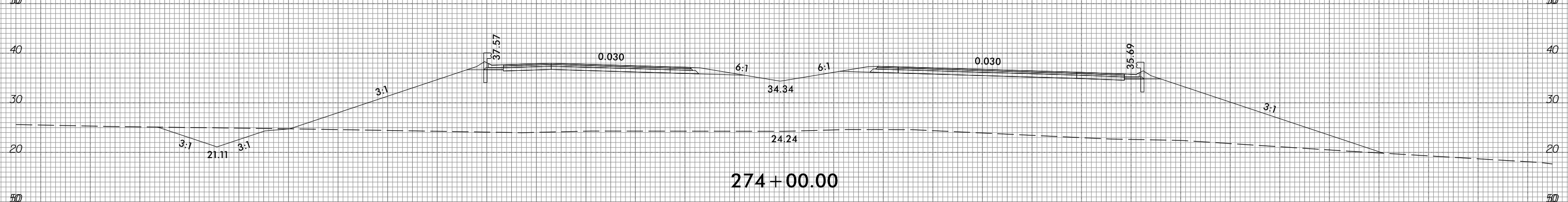
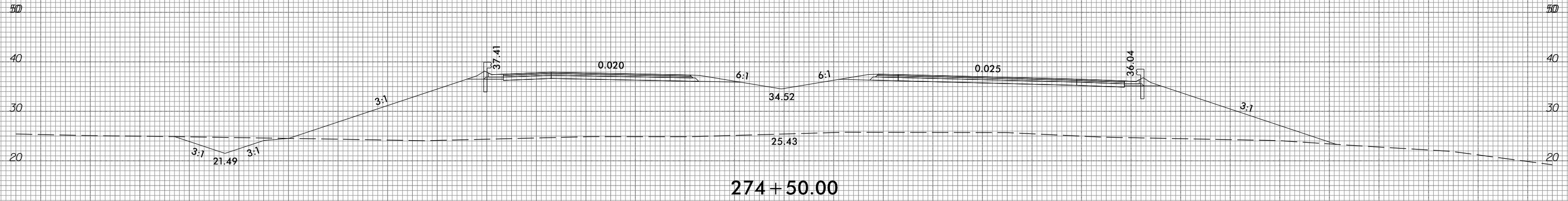
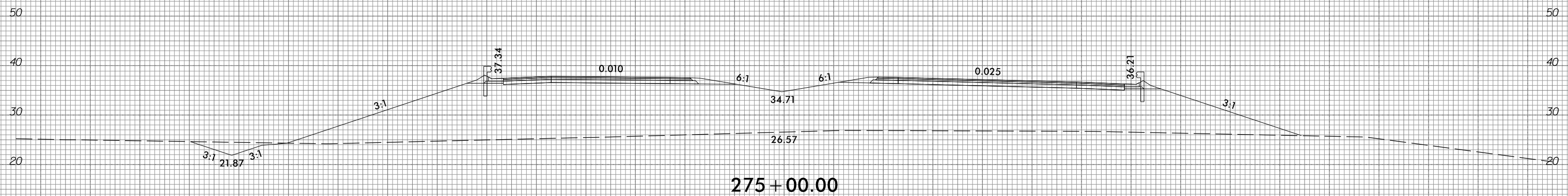
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-138

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



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

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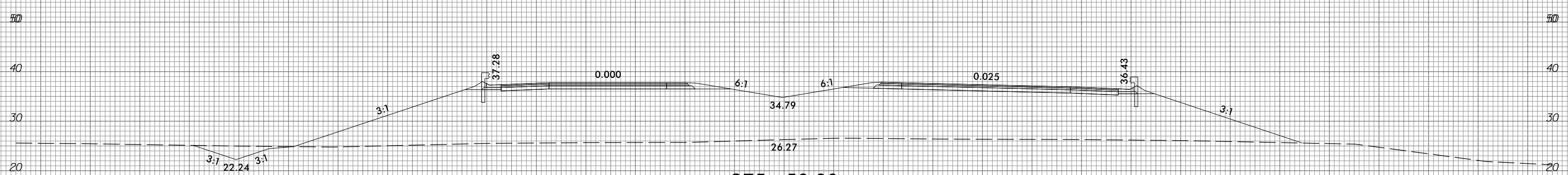
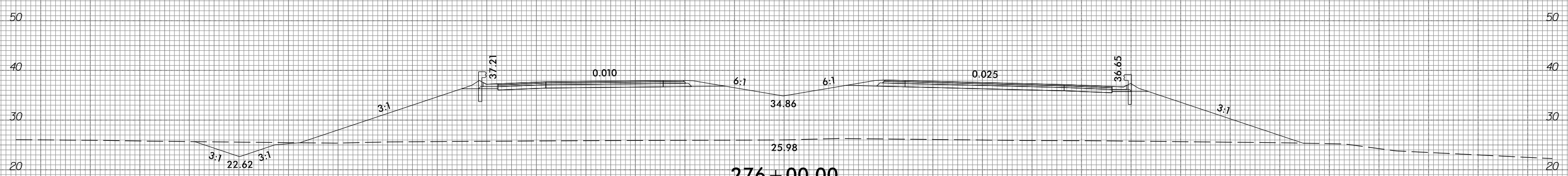
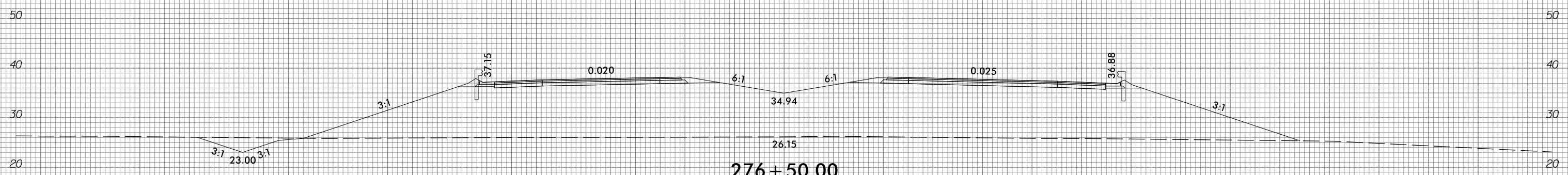
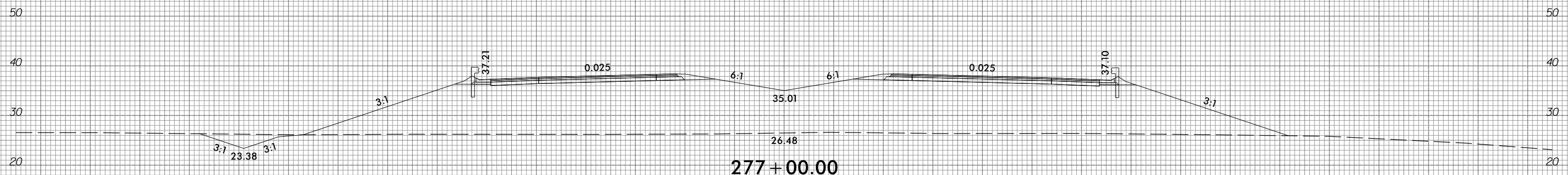
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-139

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



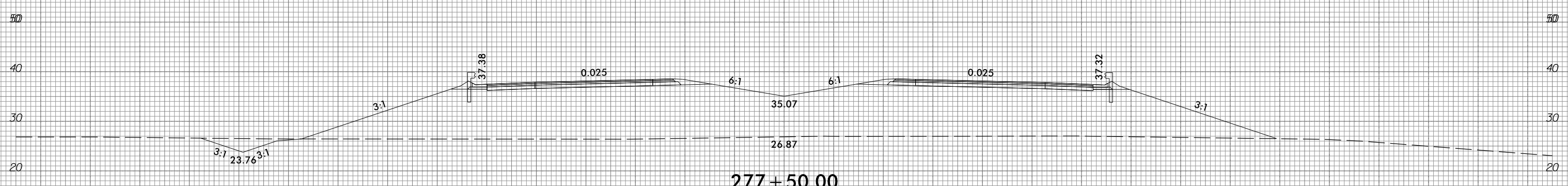
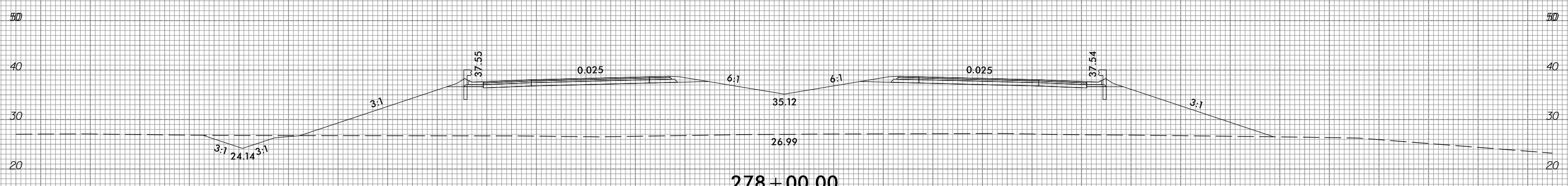
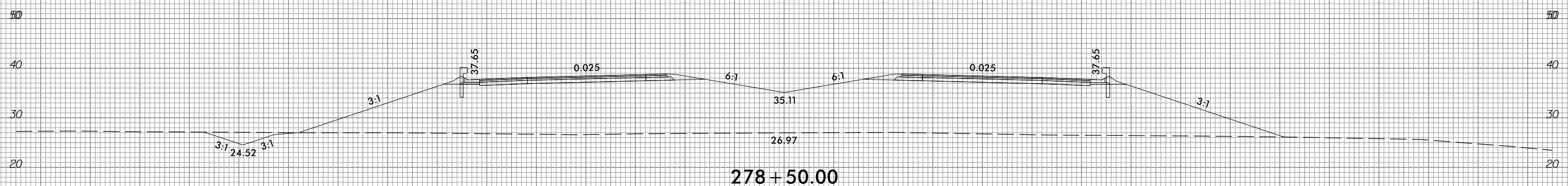
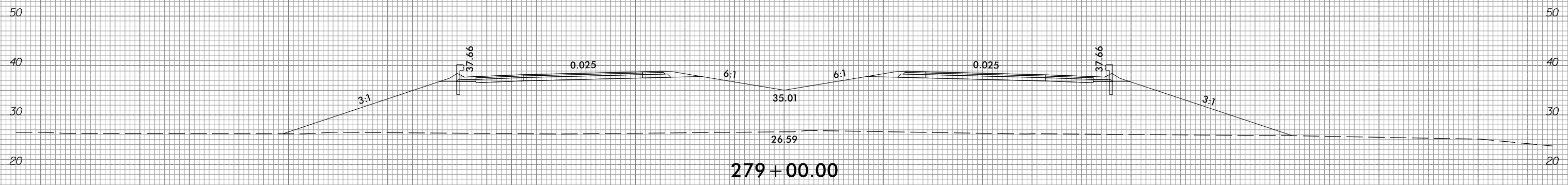
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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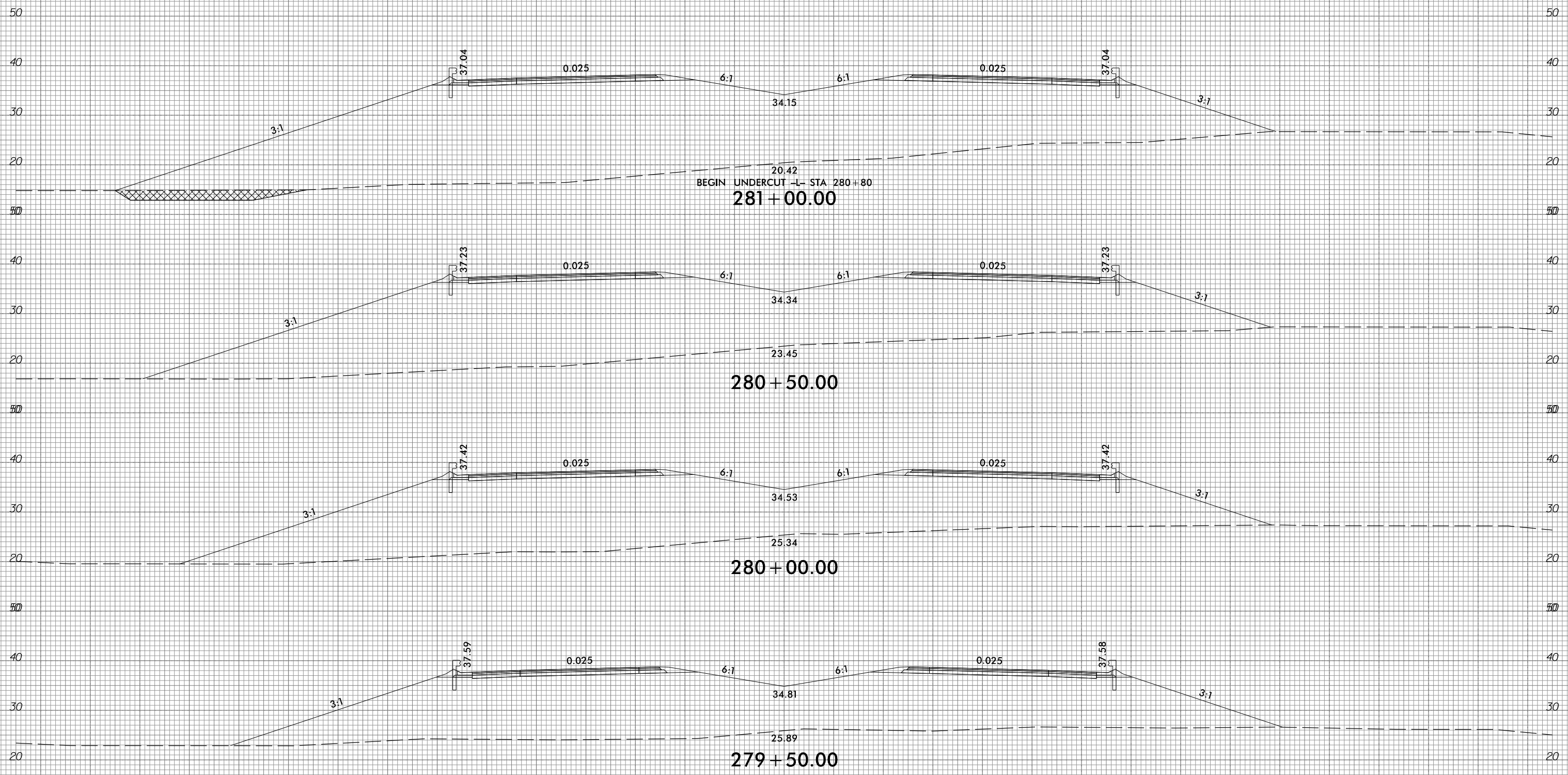


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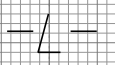


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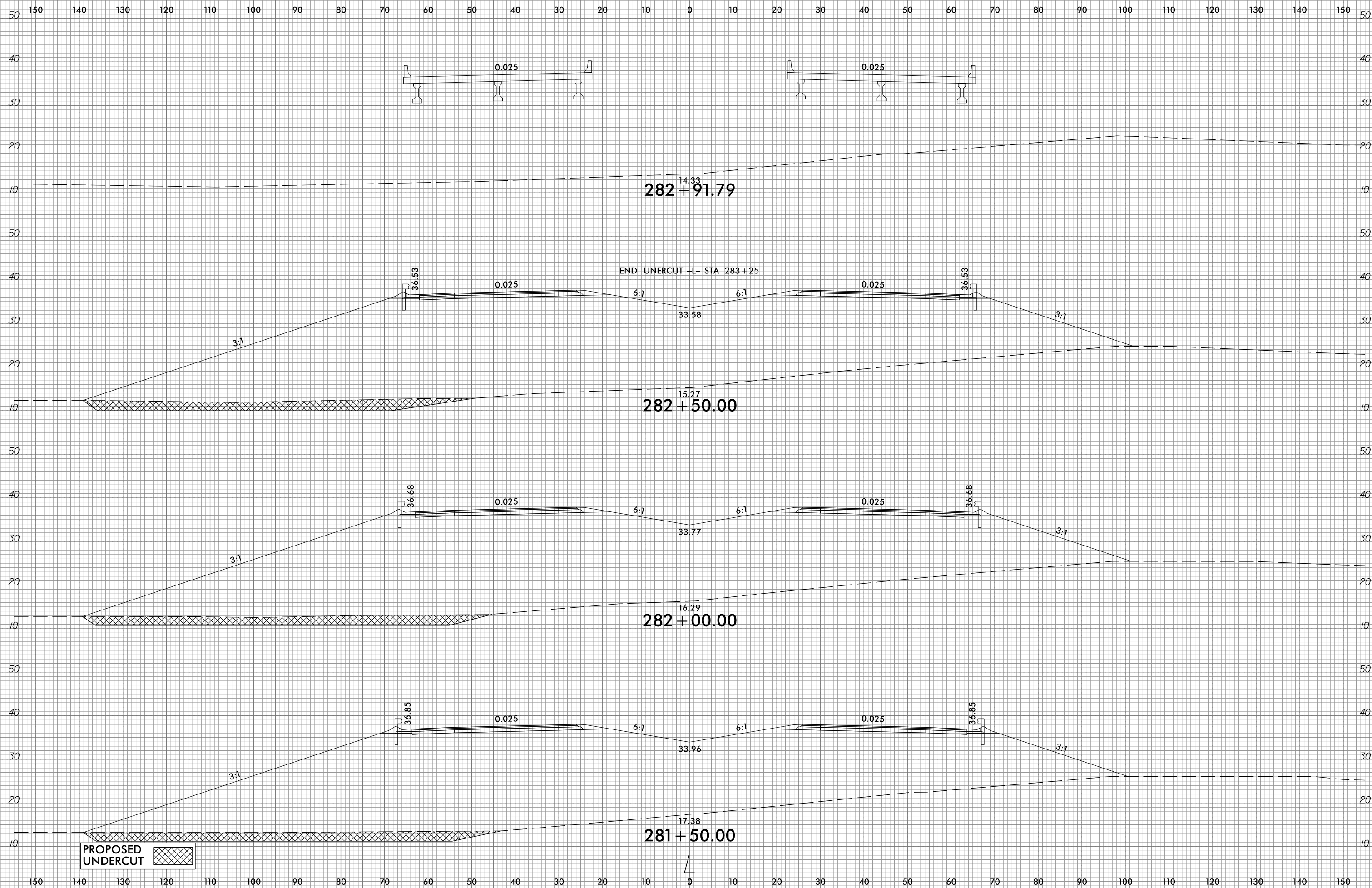
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-142



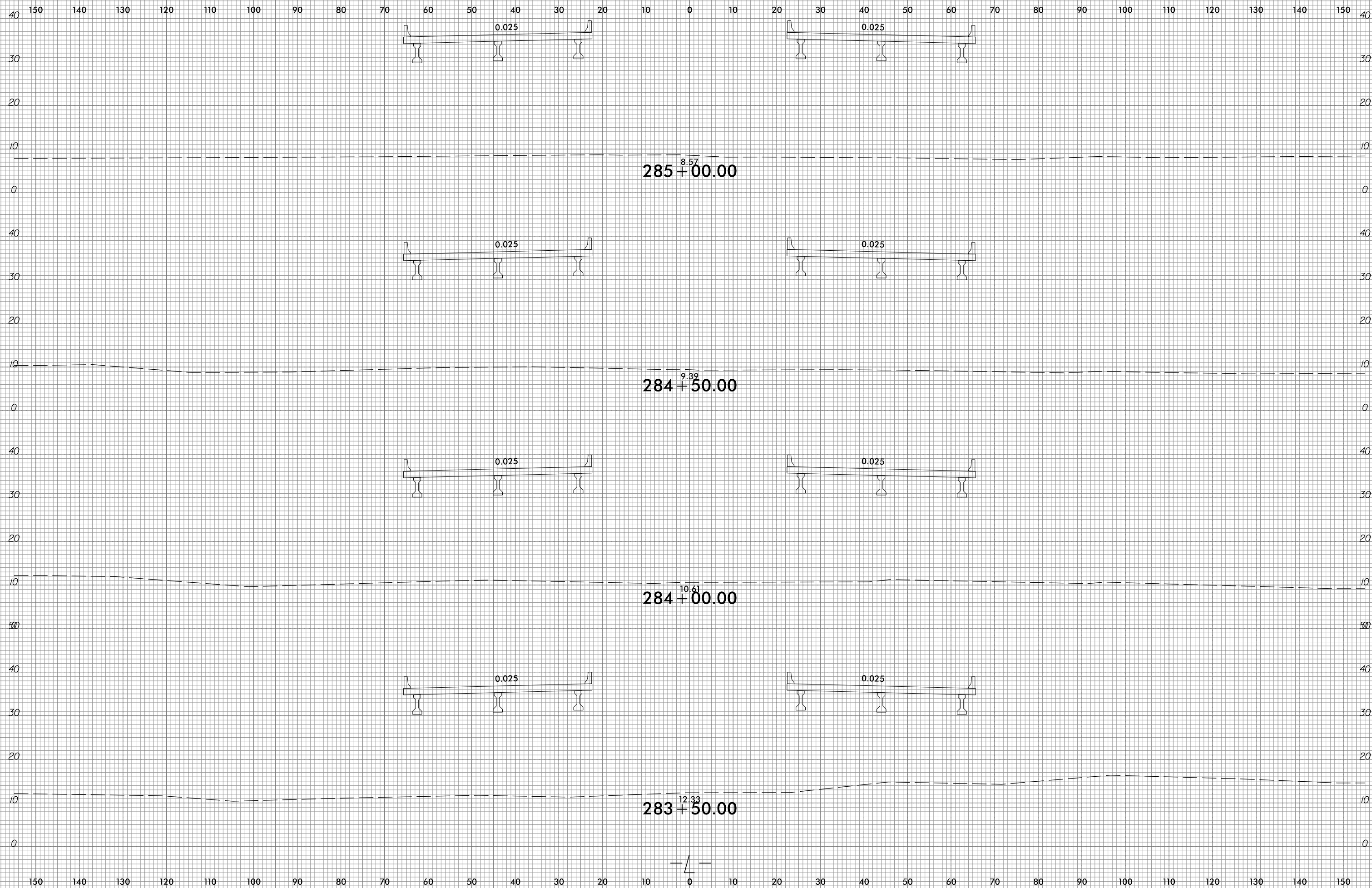
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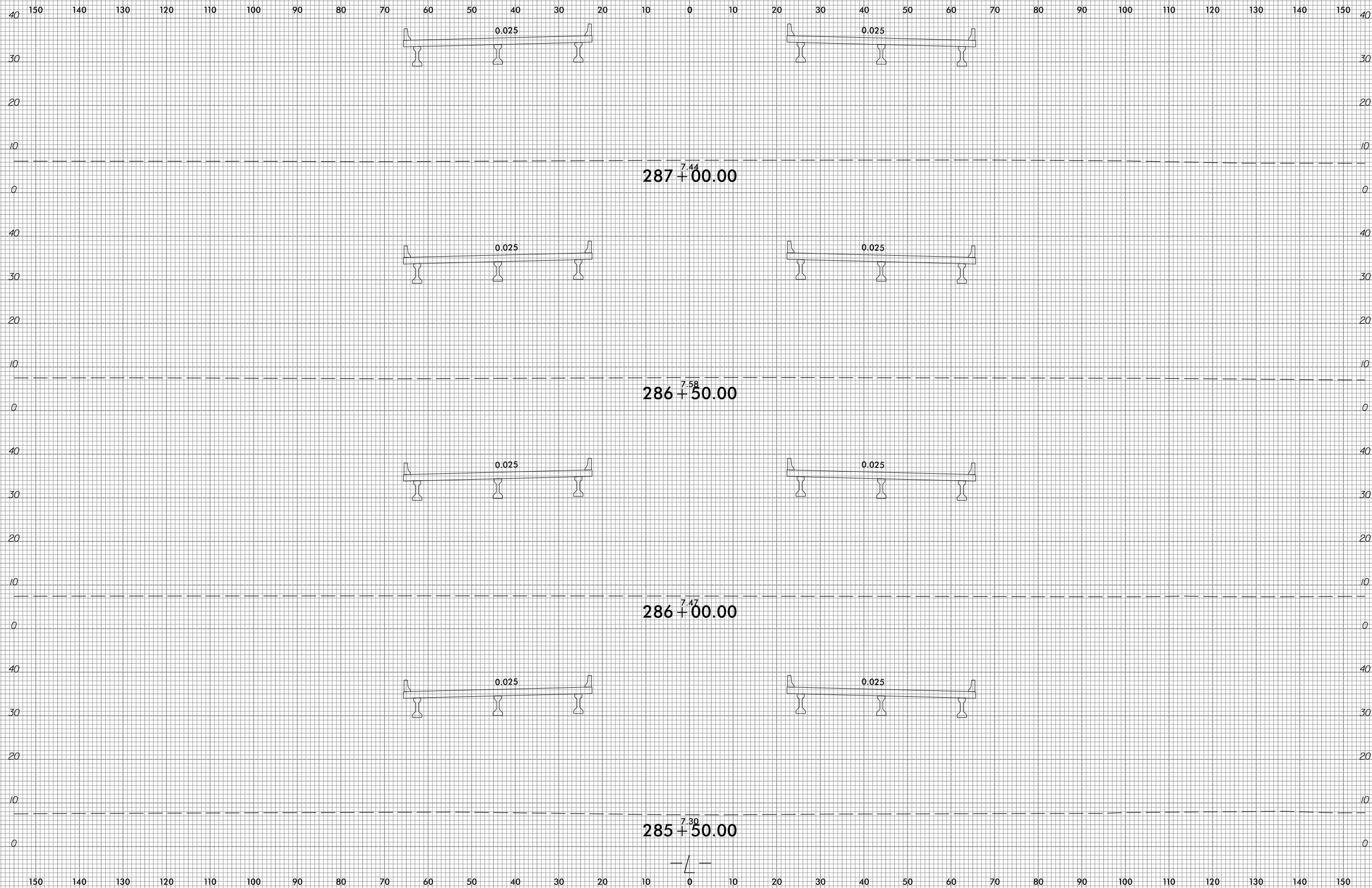


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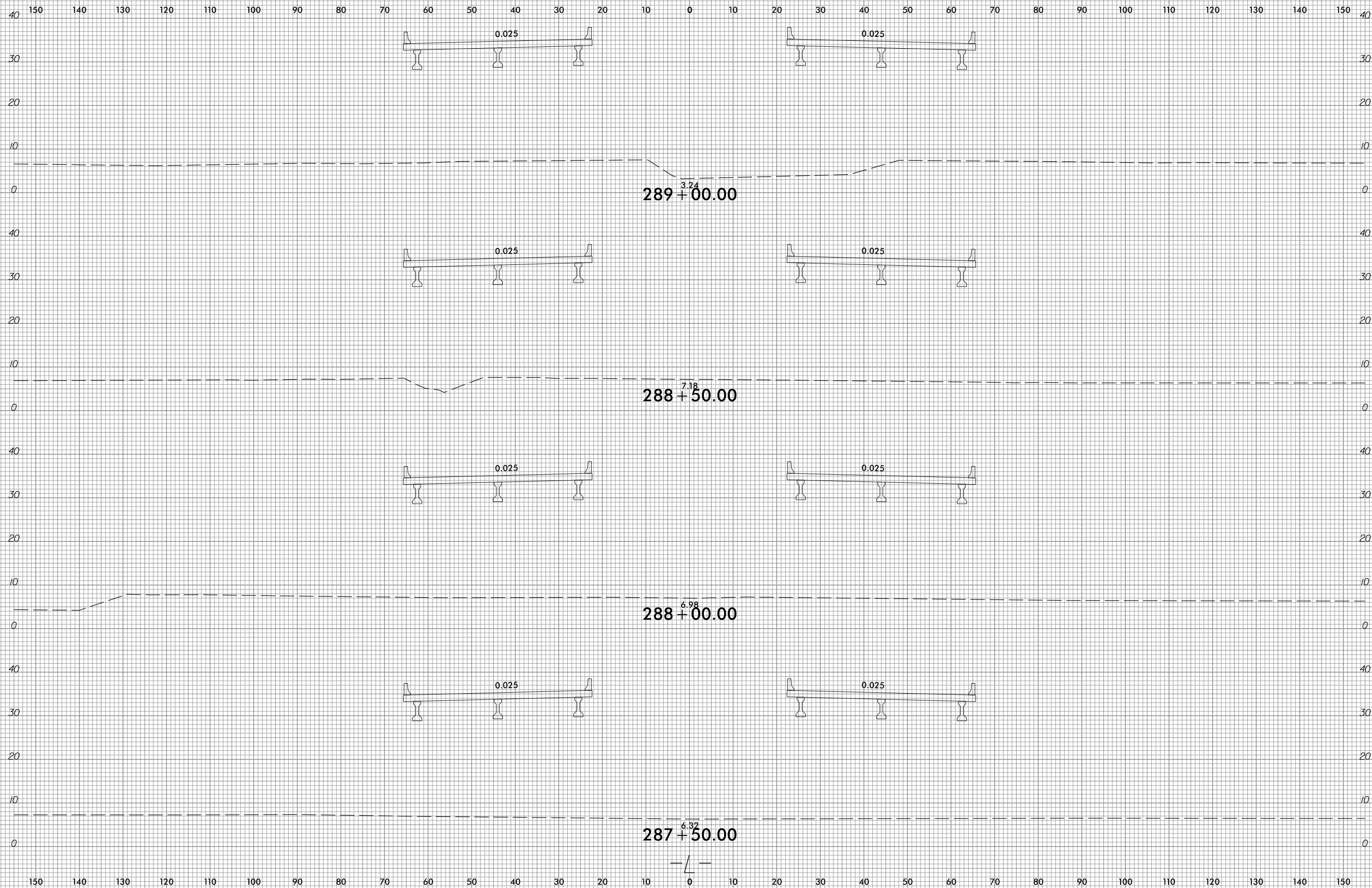


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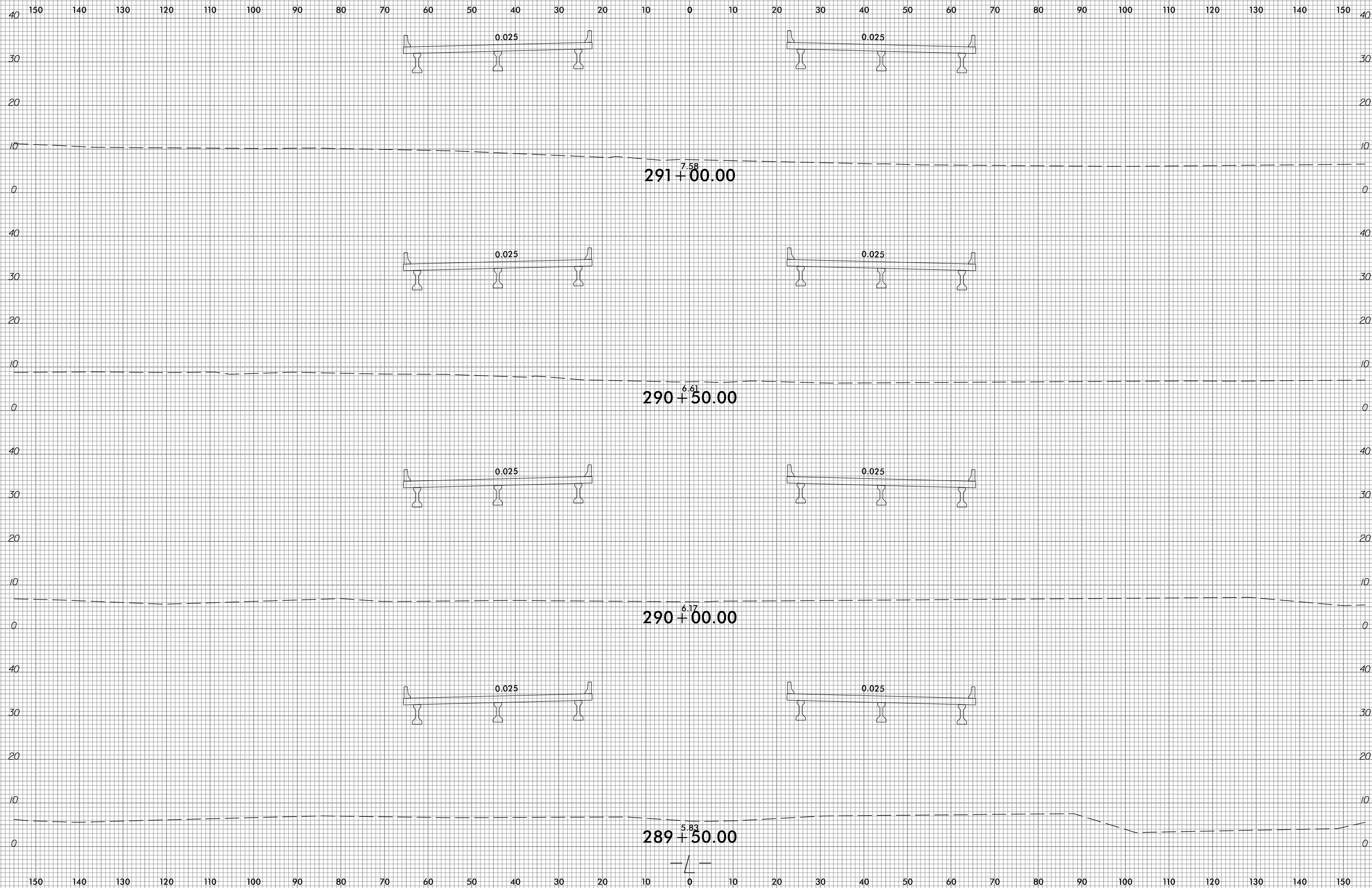


PROJ. REFERENCE NO.  
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SHEET NO.  
X-145



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gncdlin

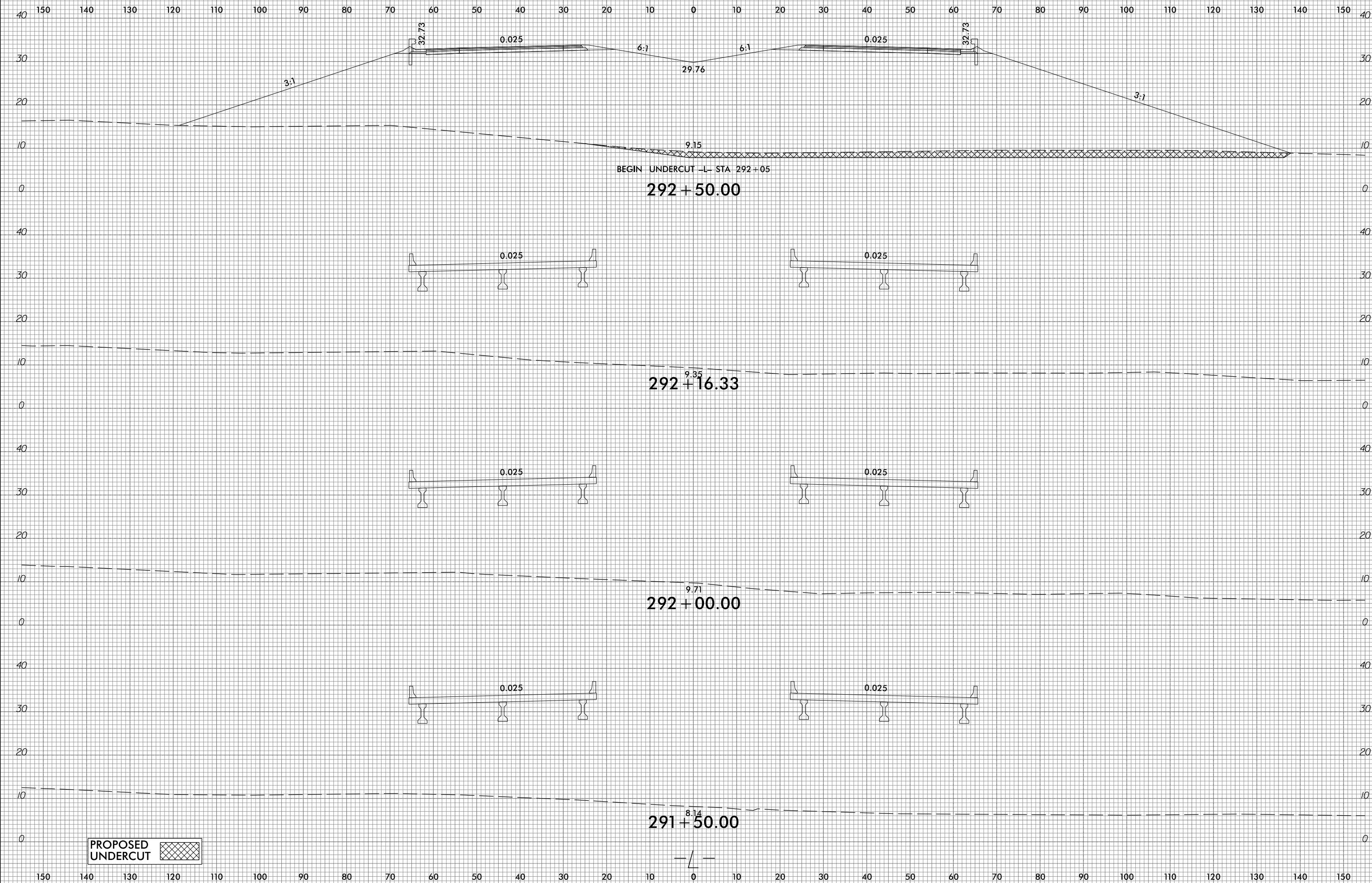


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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-147



BEGIN UNDERCUT -L- STA 292+05

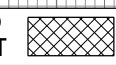
292 + 50.00

292 + 16.33

292 + 00.00

291 + 50.00

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gmc311

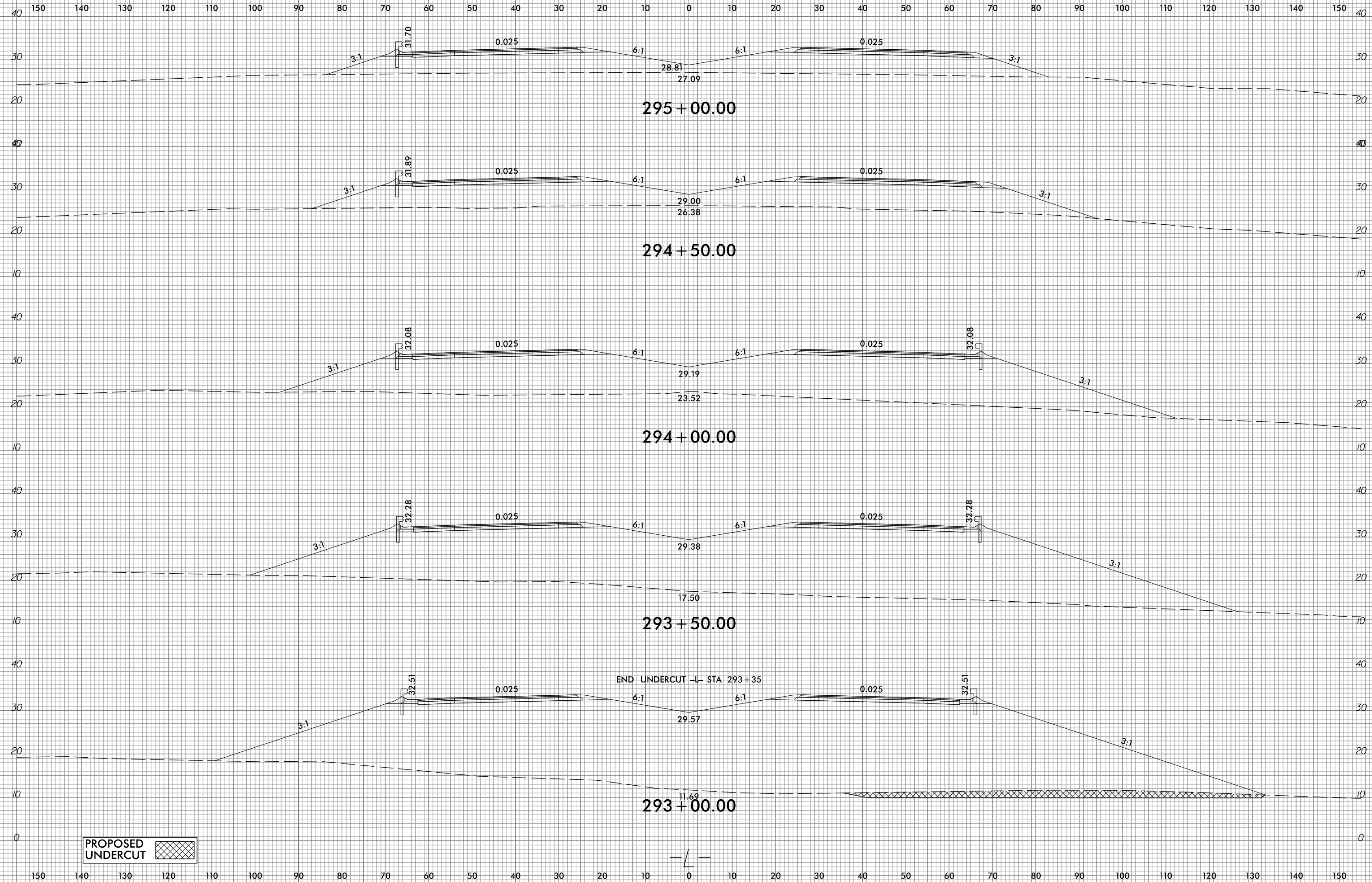


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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-148



PROPOSED UNDERCUT



END UNDERCUT -L- STA 293+35

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gmc311

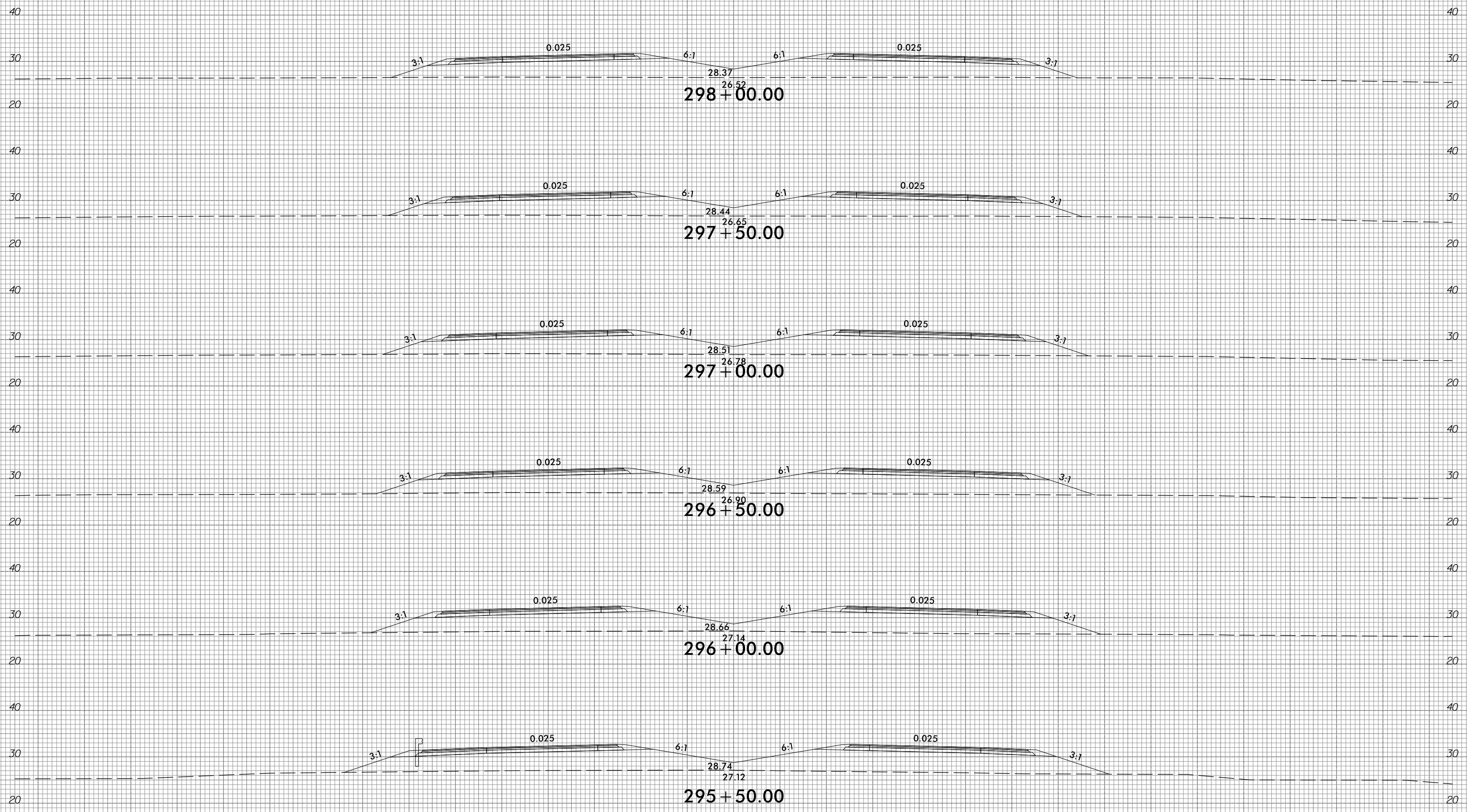
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-149

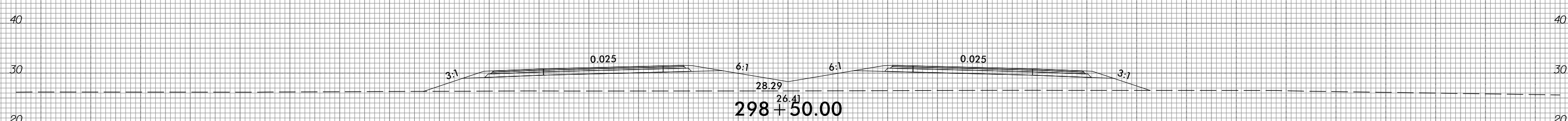
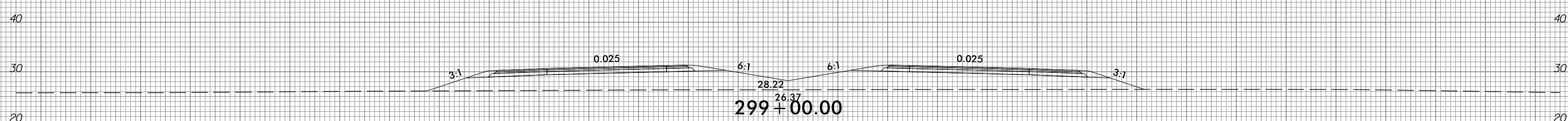
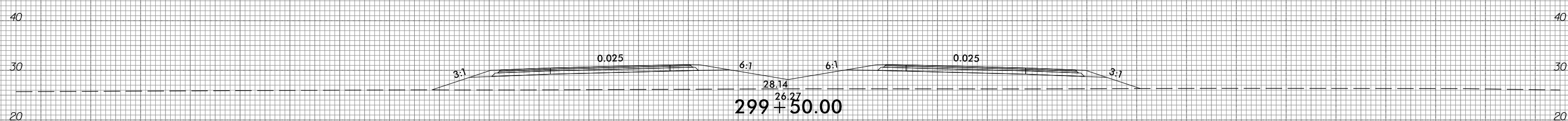
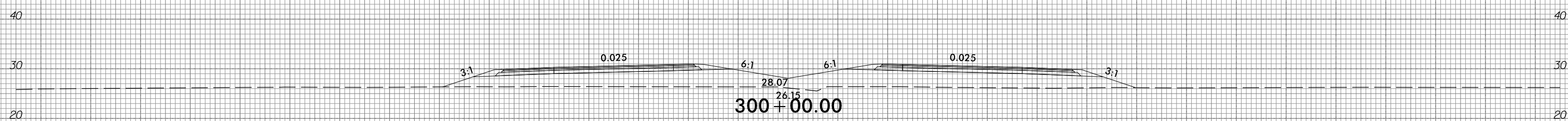
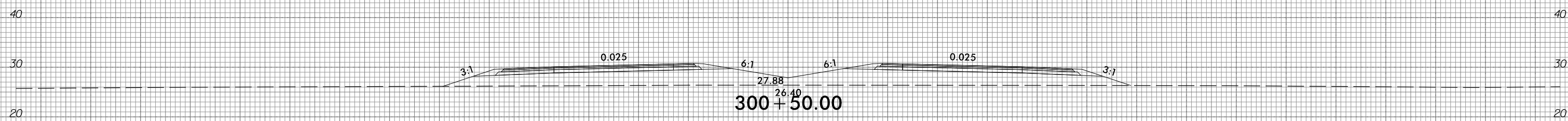
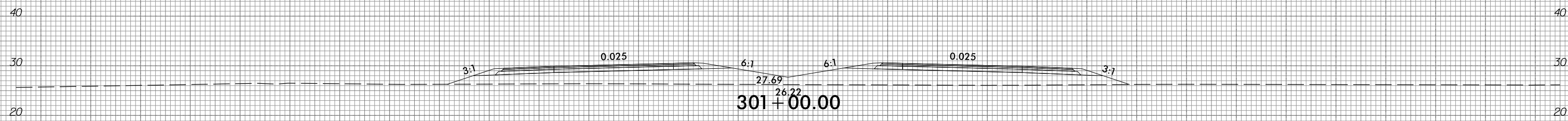
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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

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



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

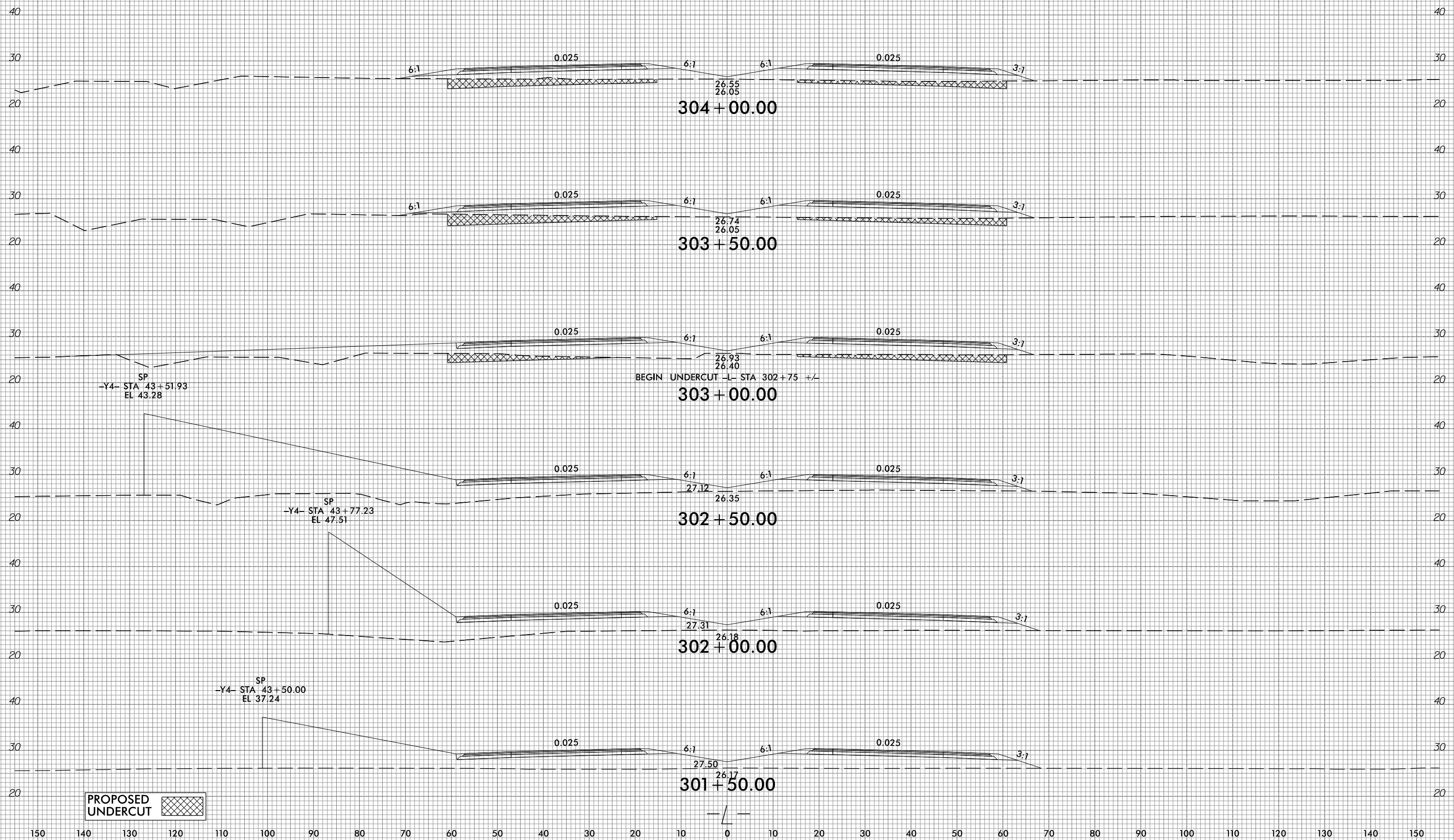
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-151

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



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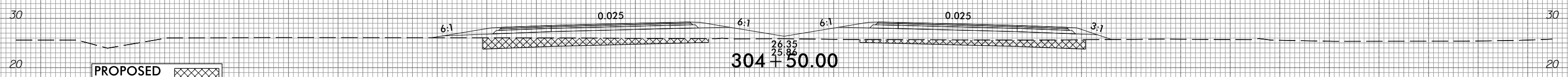
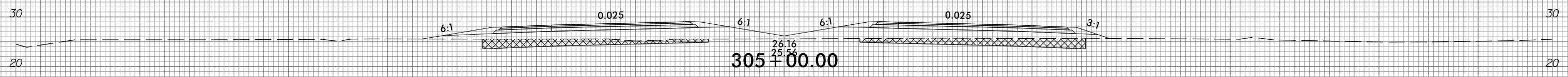
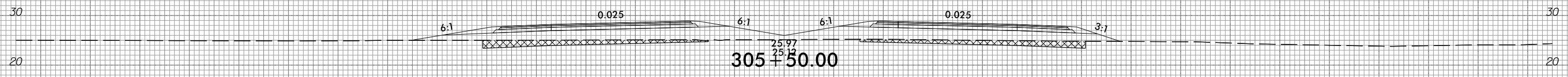
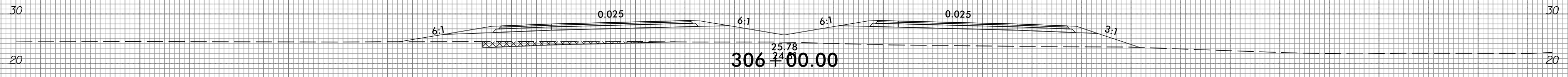
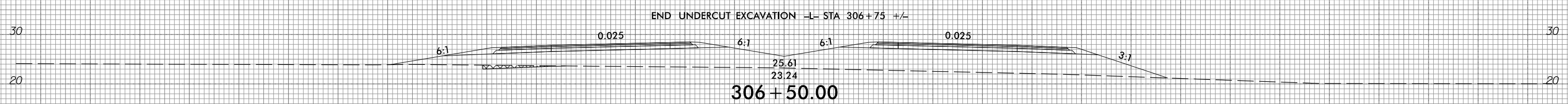
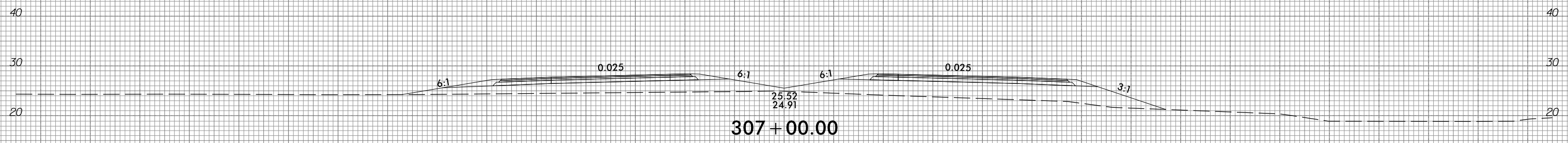
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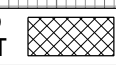
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-152

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

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gmc011r

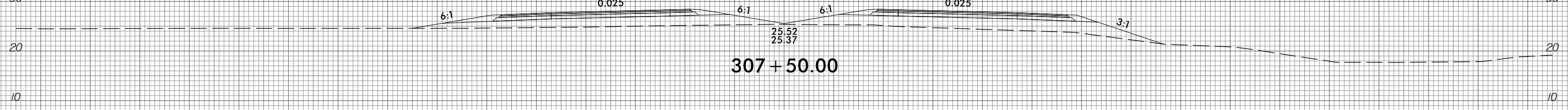
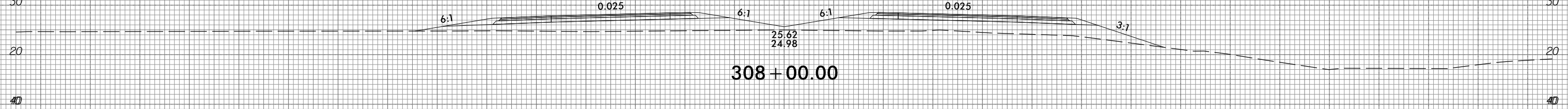
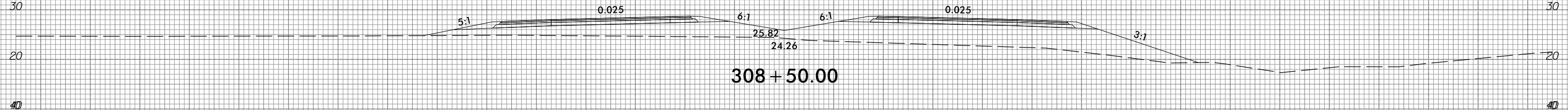
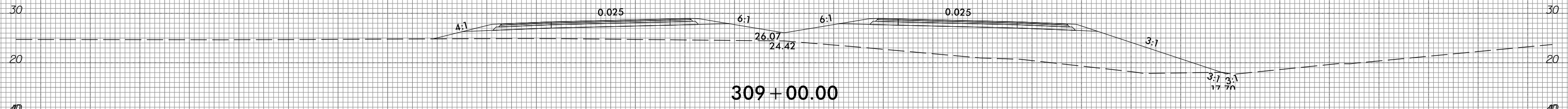
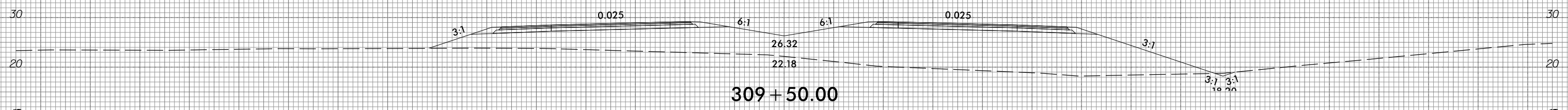
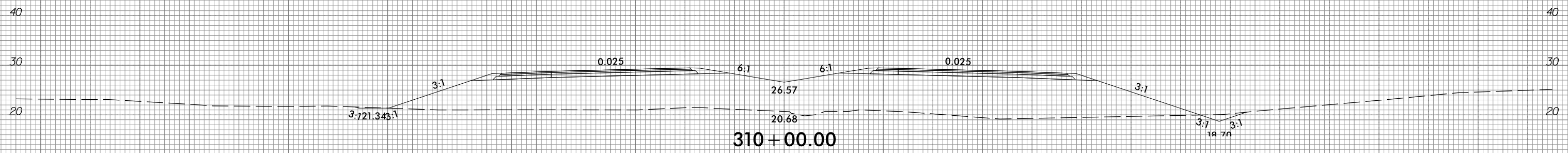
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-153

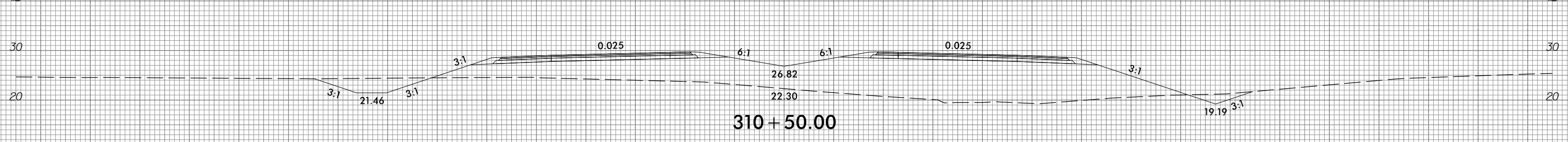
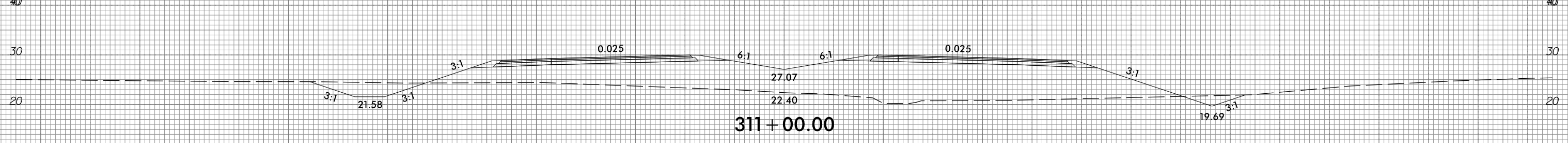
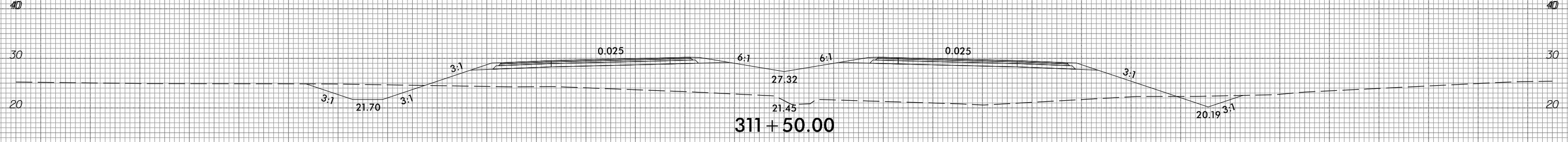
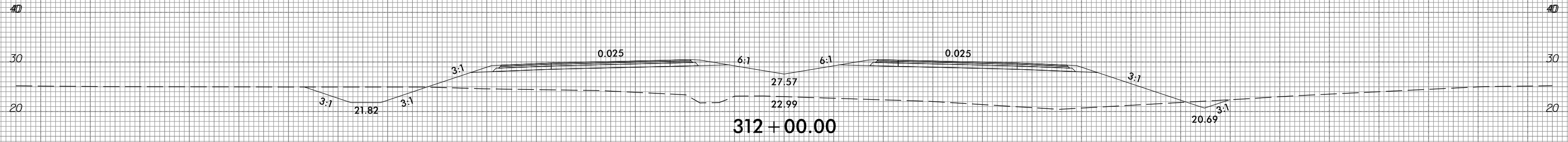
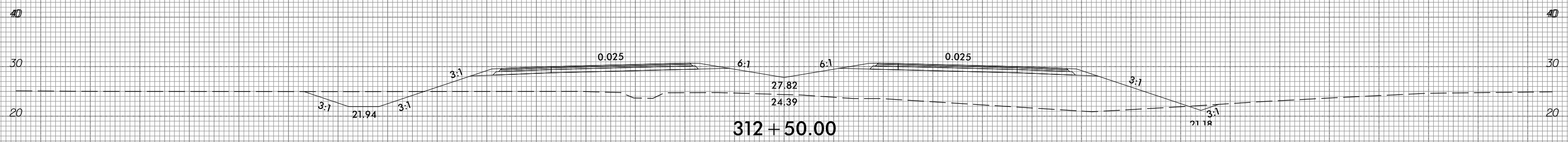
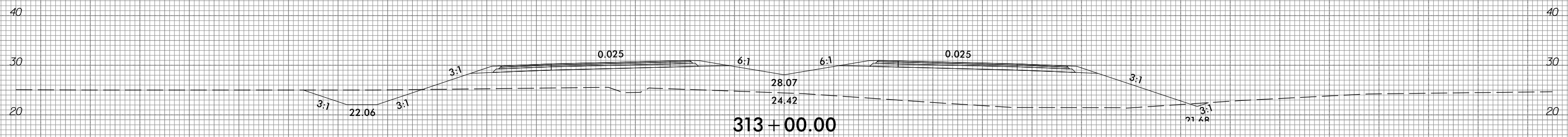
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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

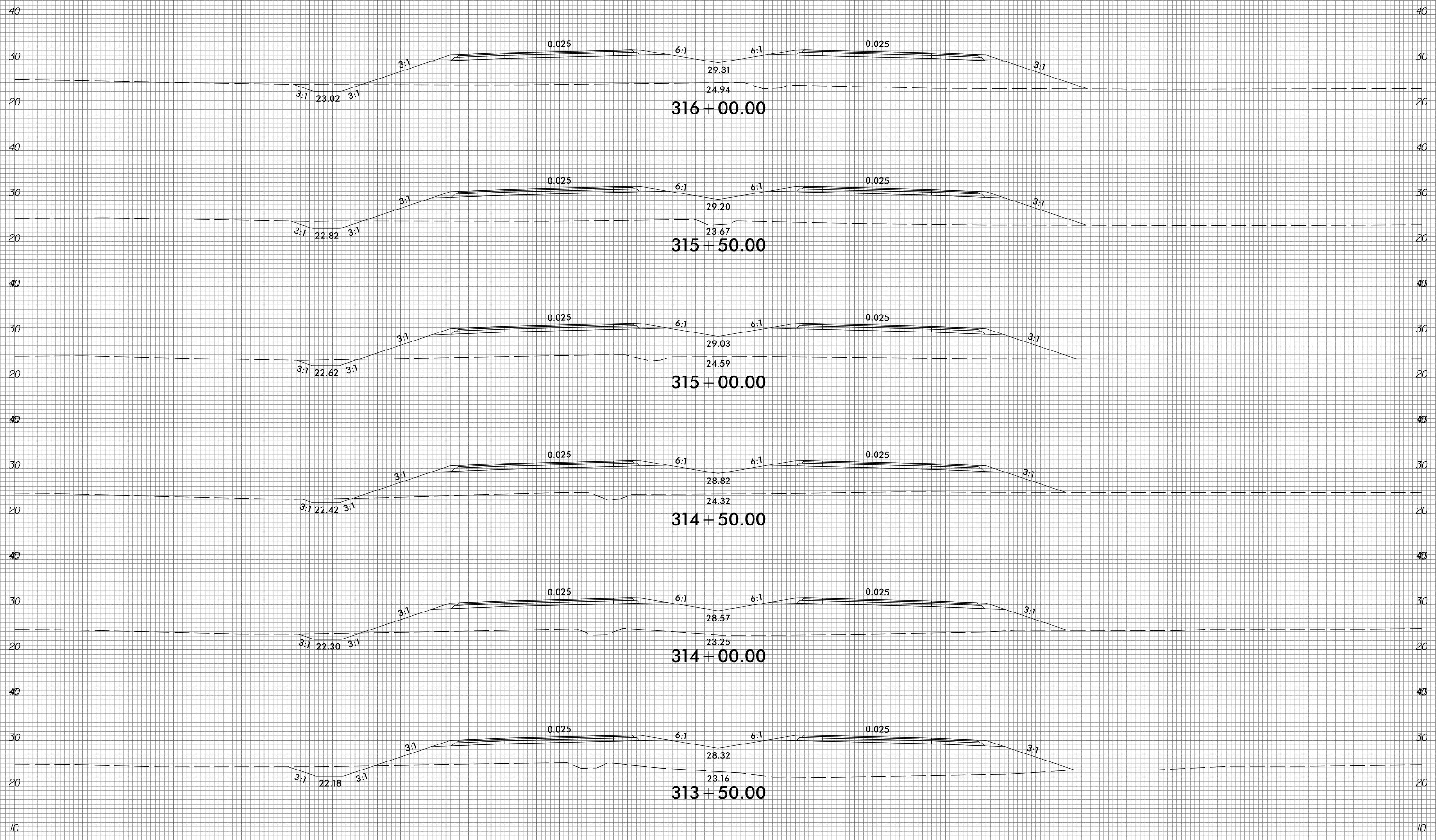
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-155

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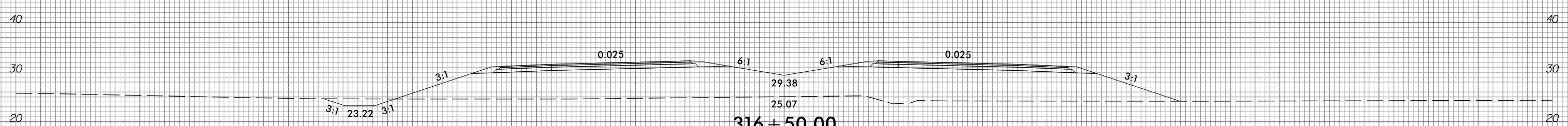
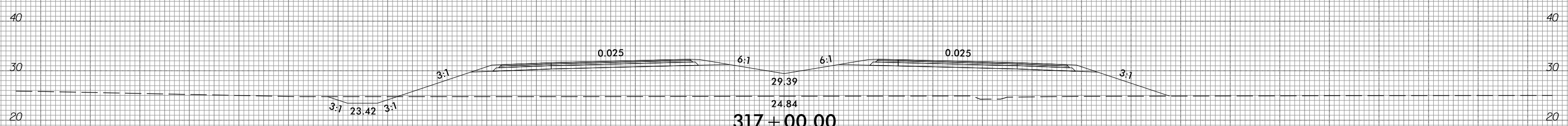
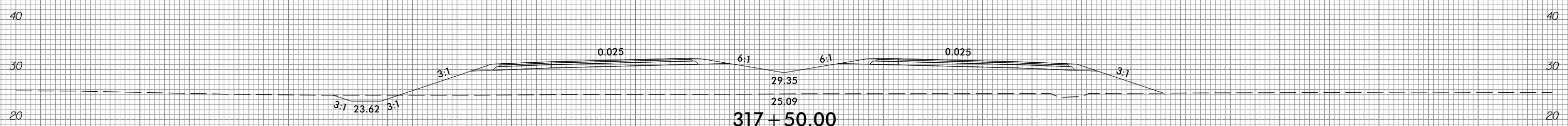
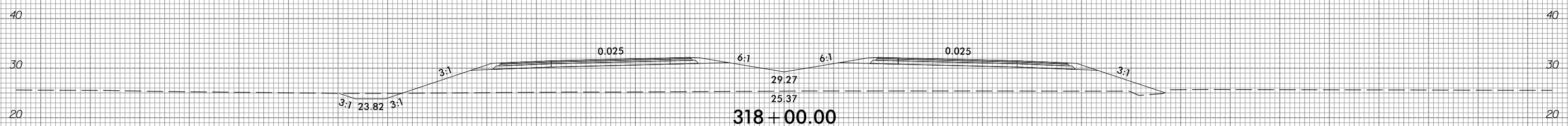
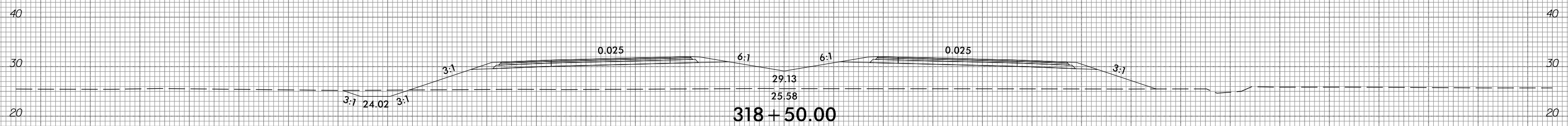
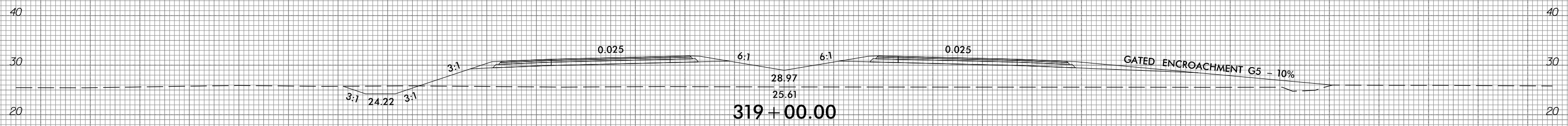
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150





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



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

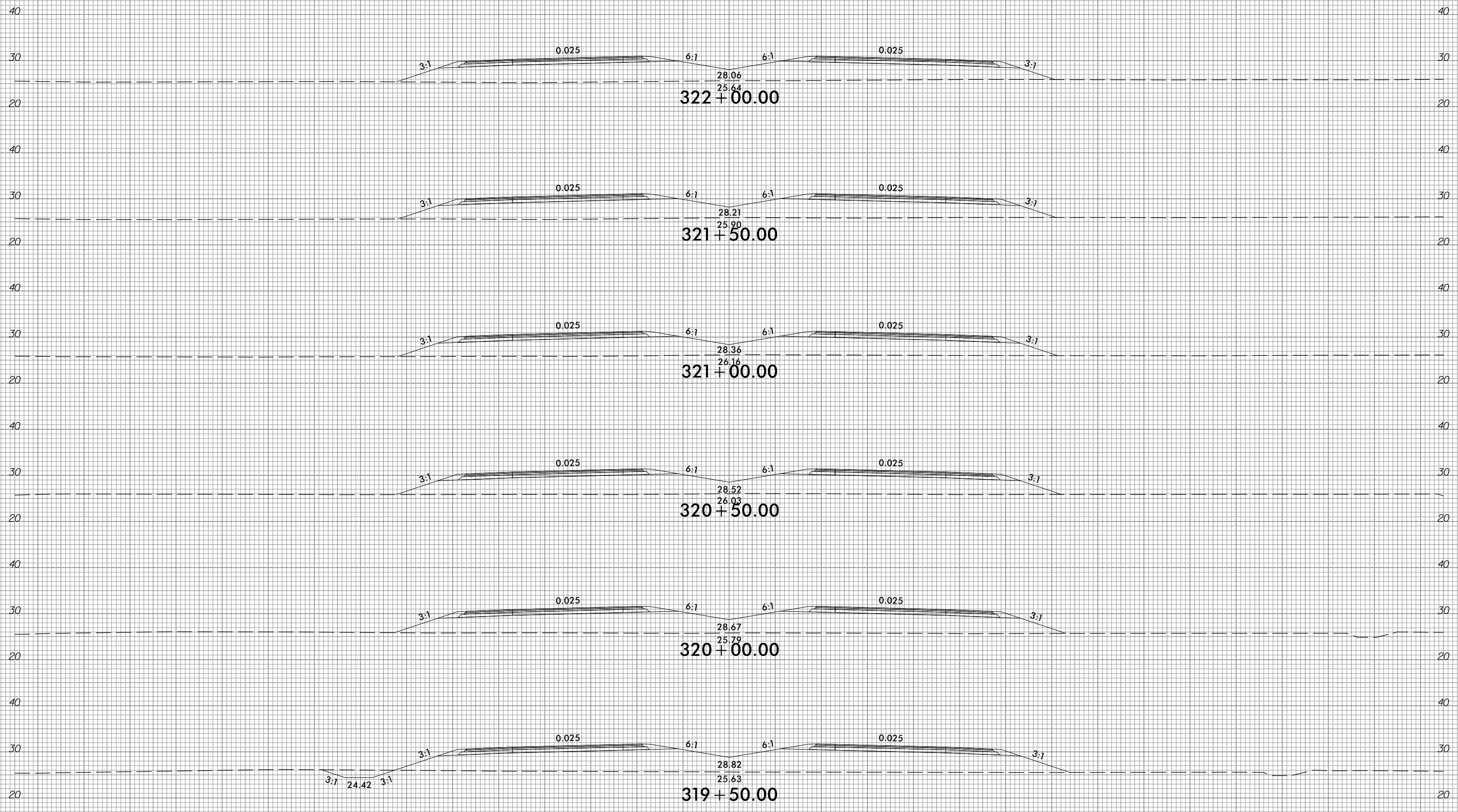
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-157

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



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

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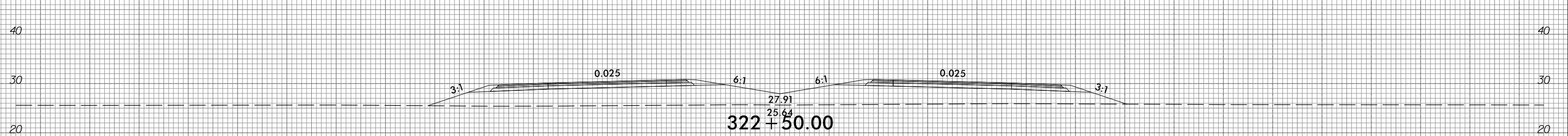
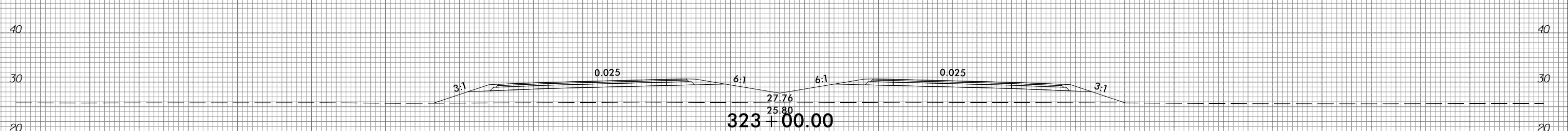
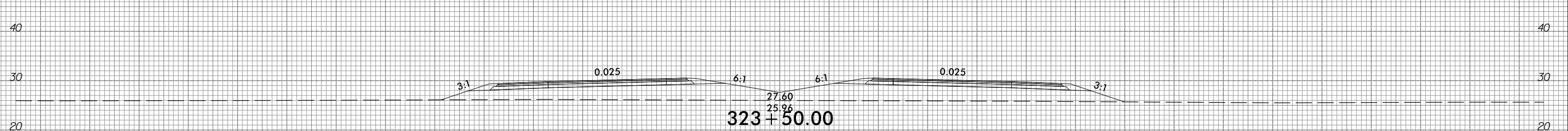
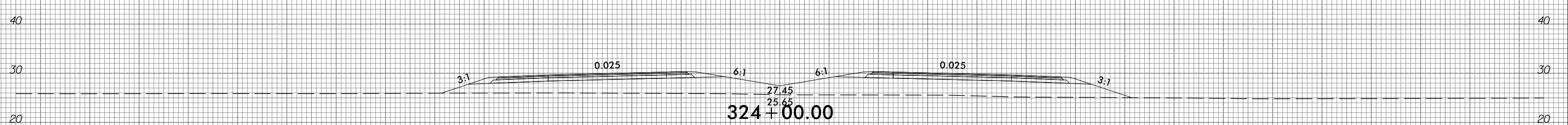
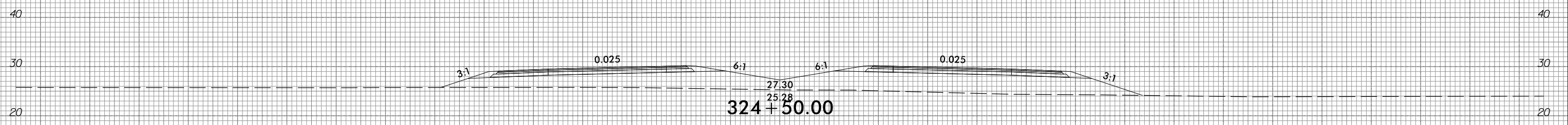
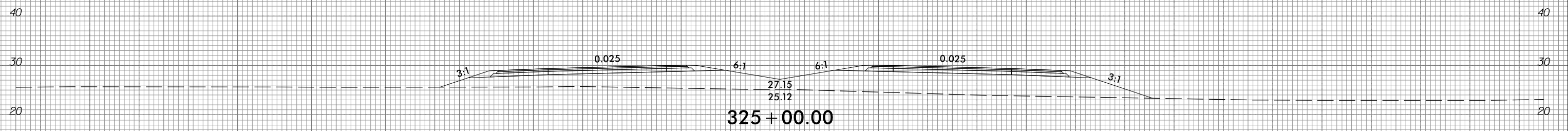
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R-1015

SHEET NO.
X-158

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



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

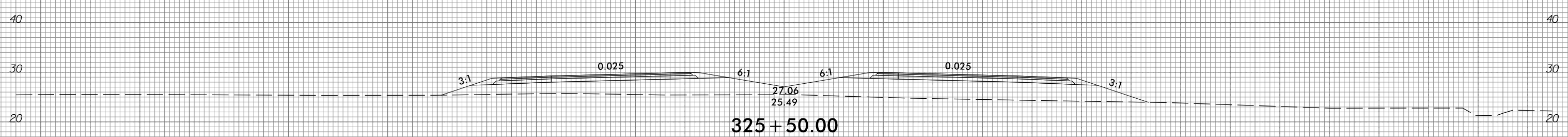
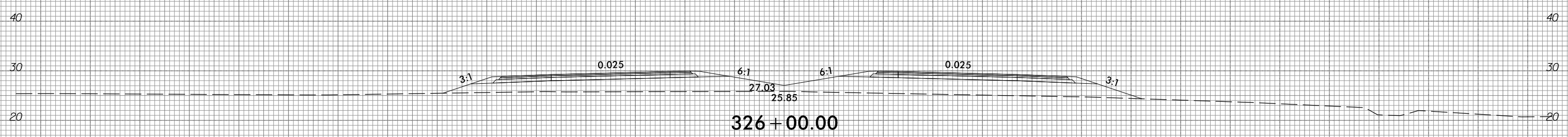
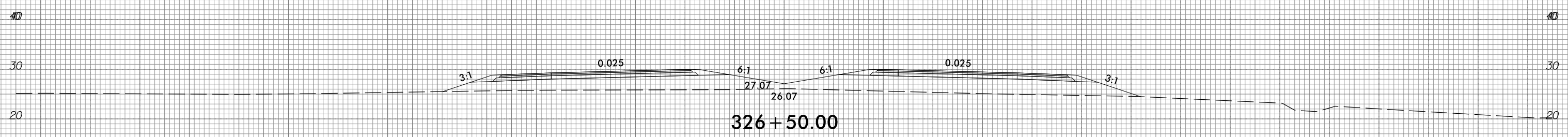
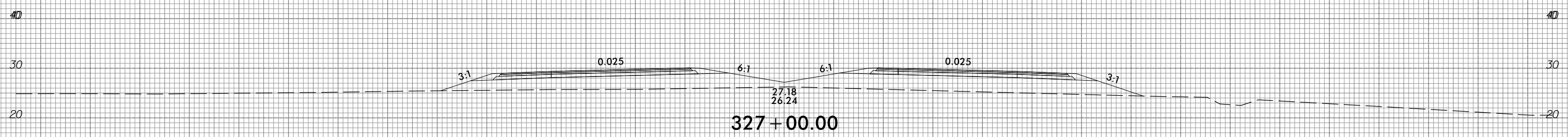
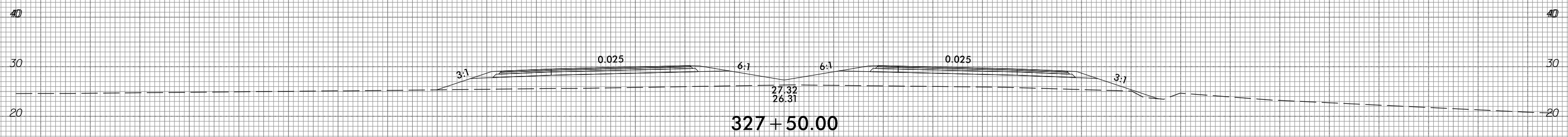
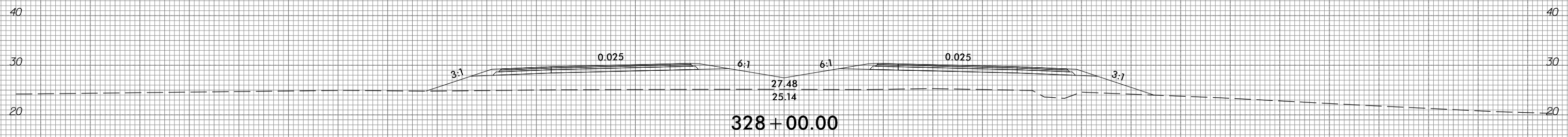
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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-159

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



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

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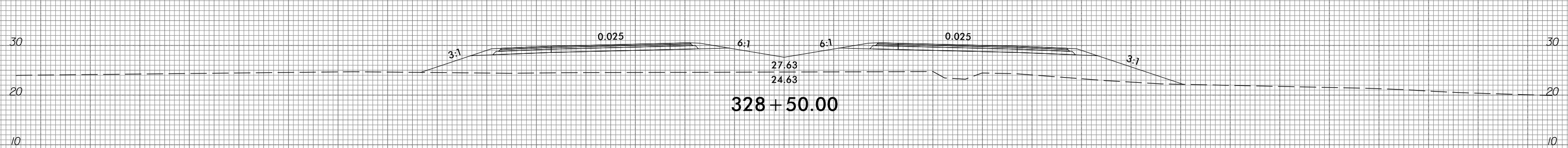
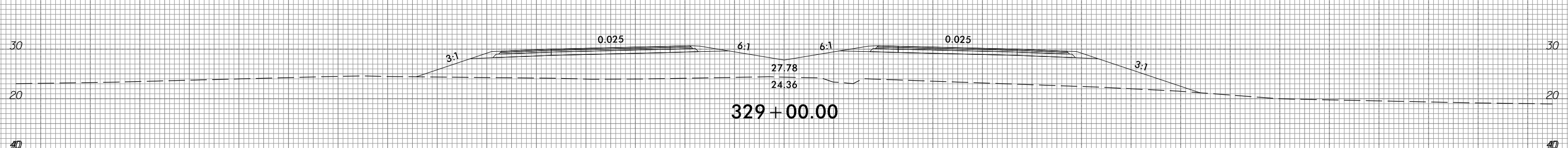
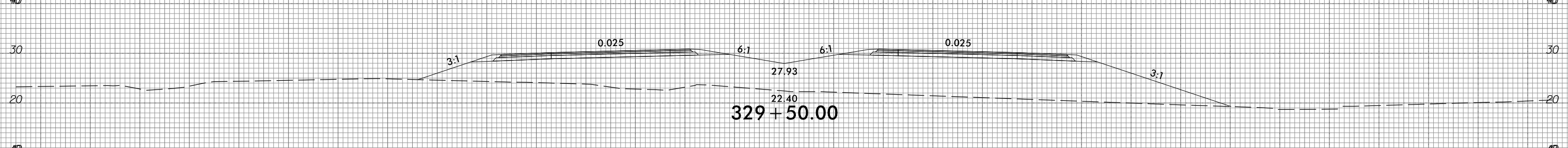
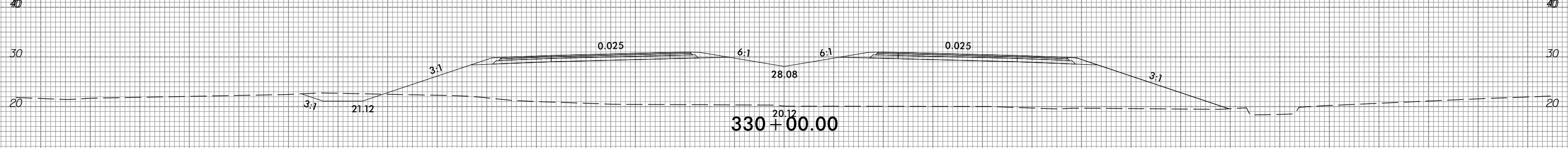
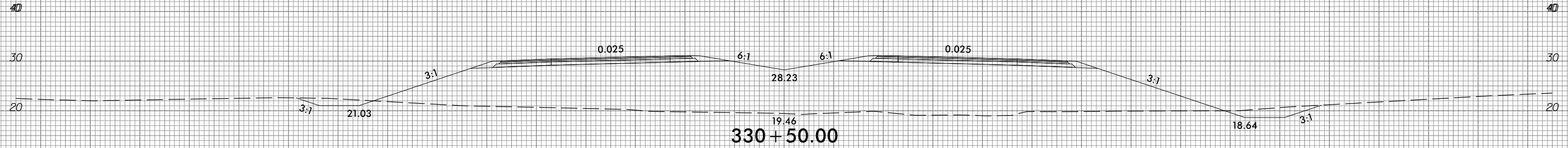
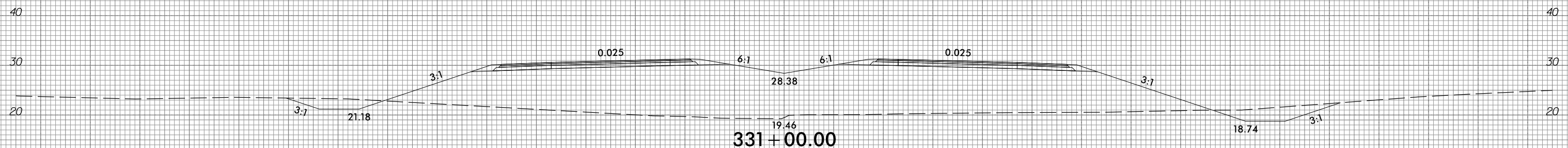
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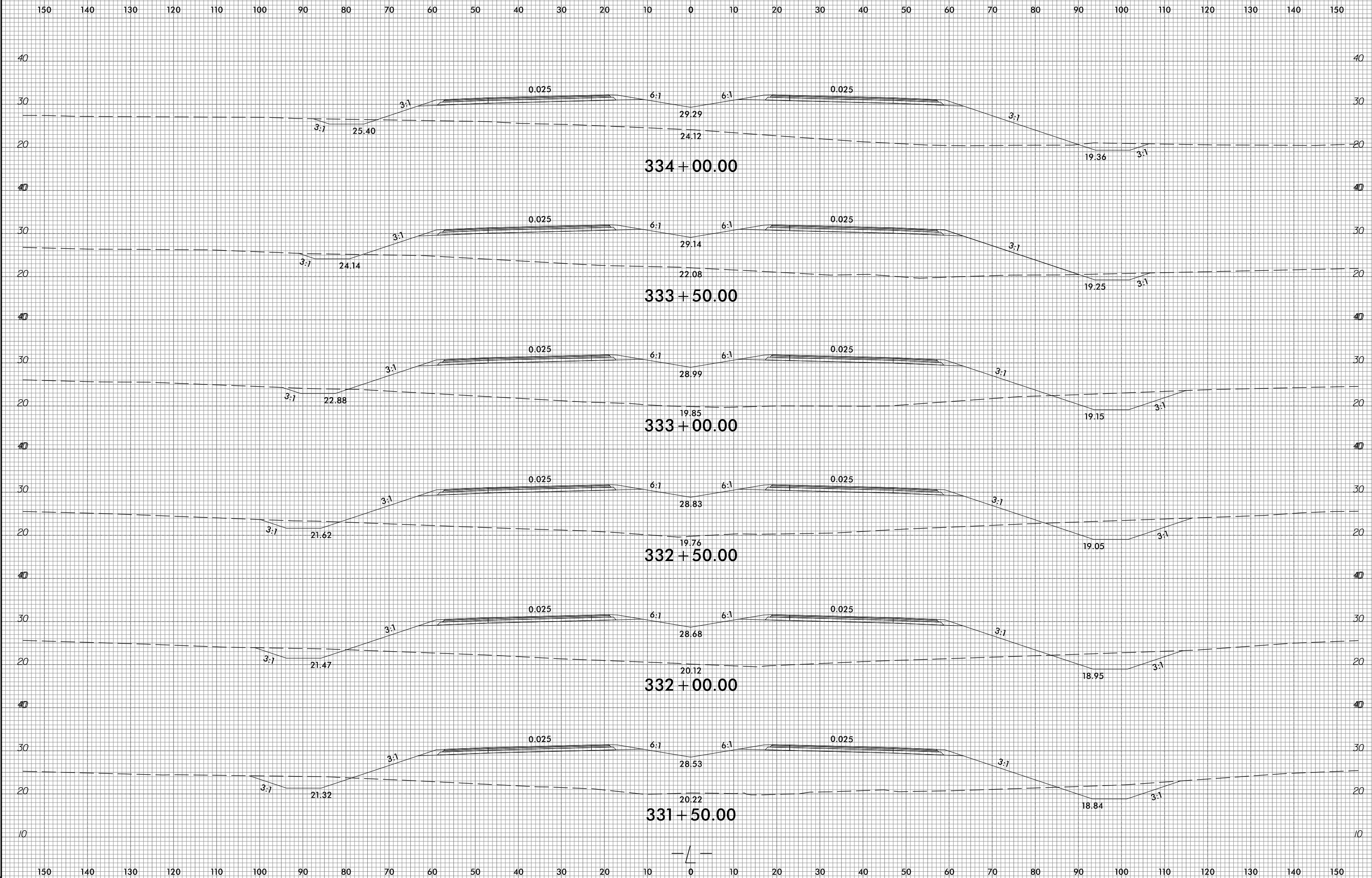
SHEET NO.  
X-160

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



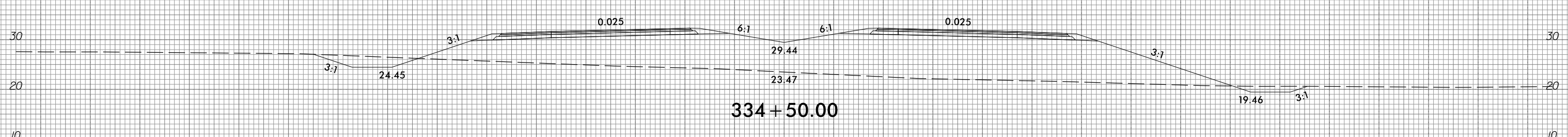
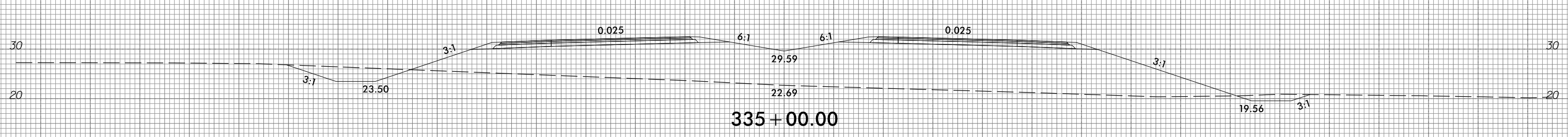
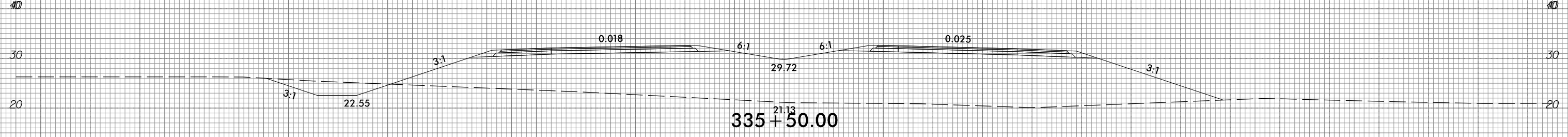
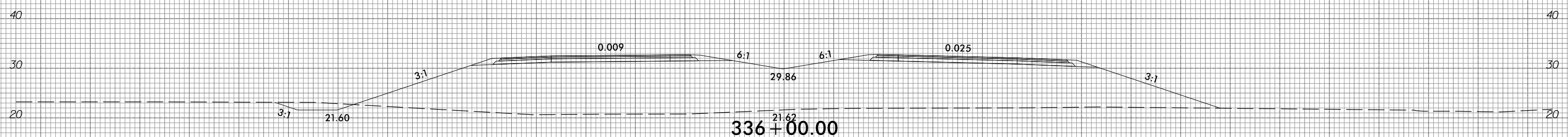
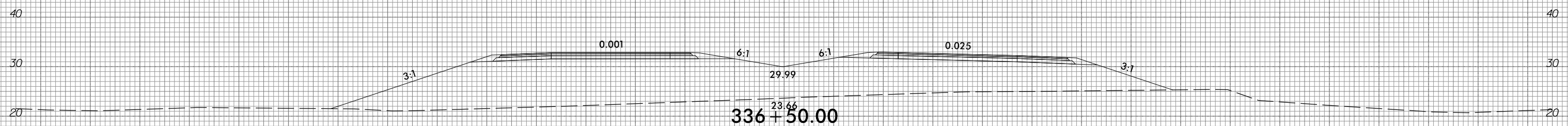
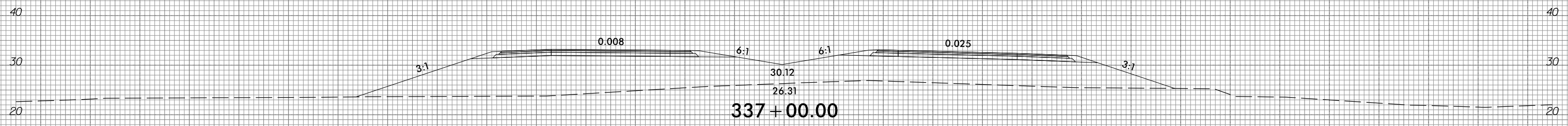
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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



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

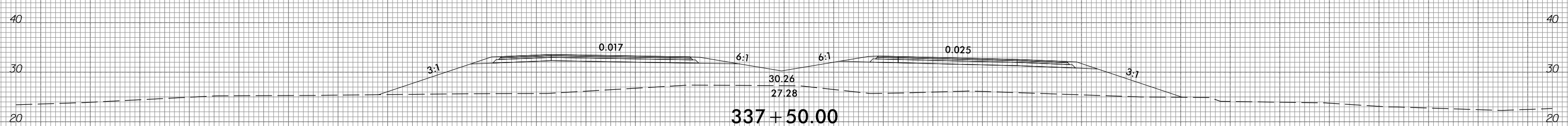
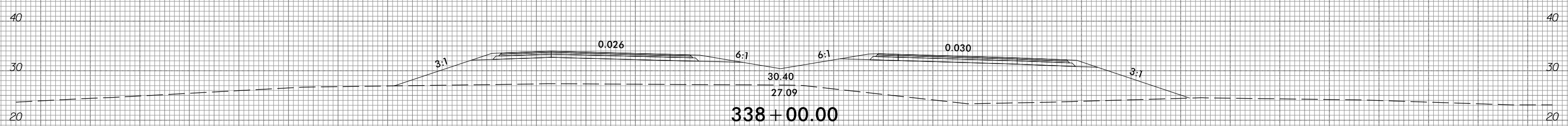
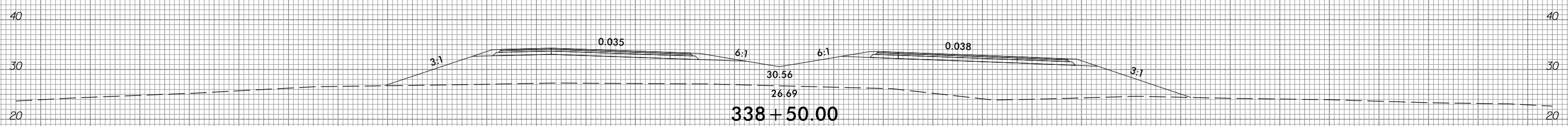
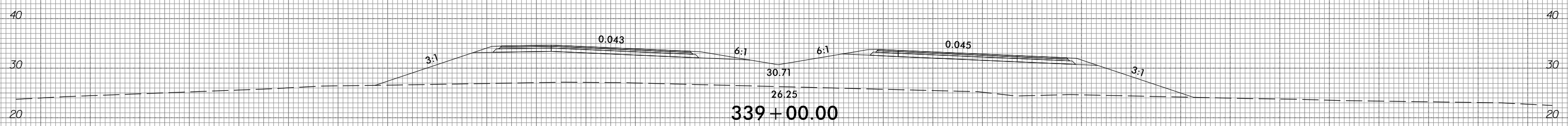
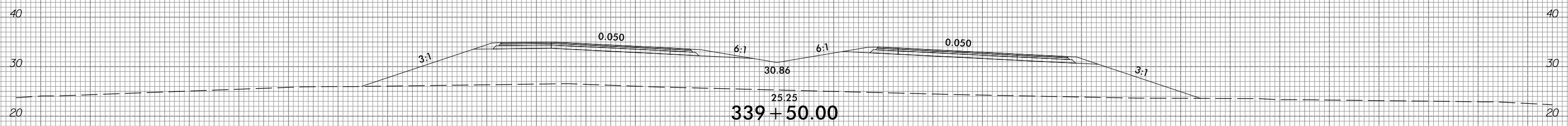
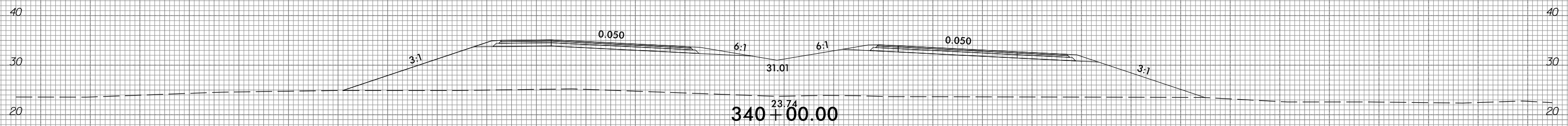
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-163

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



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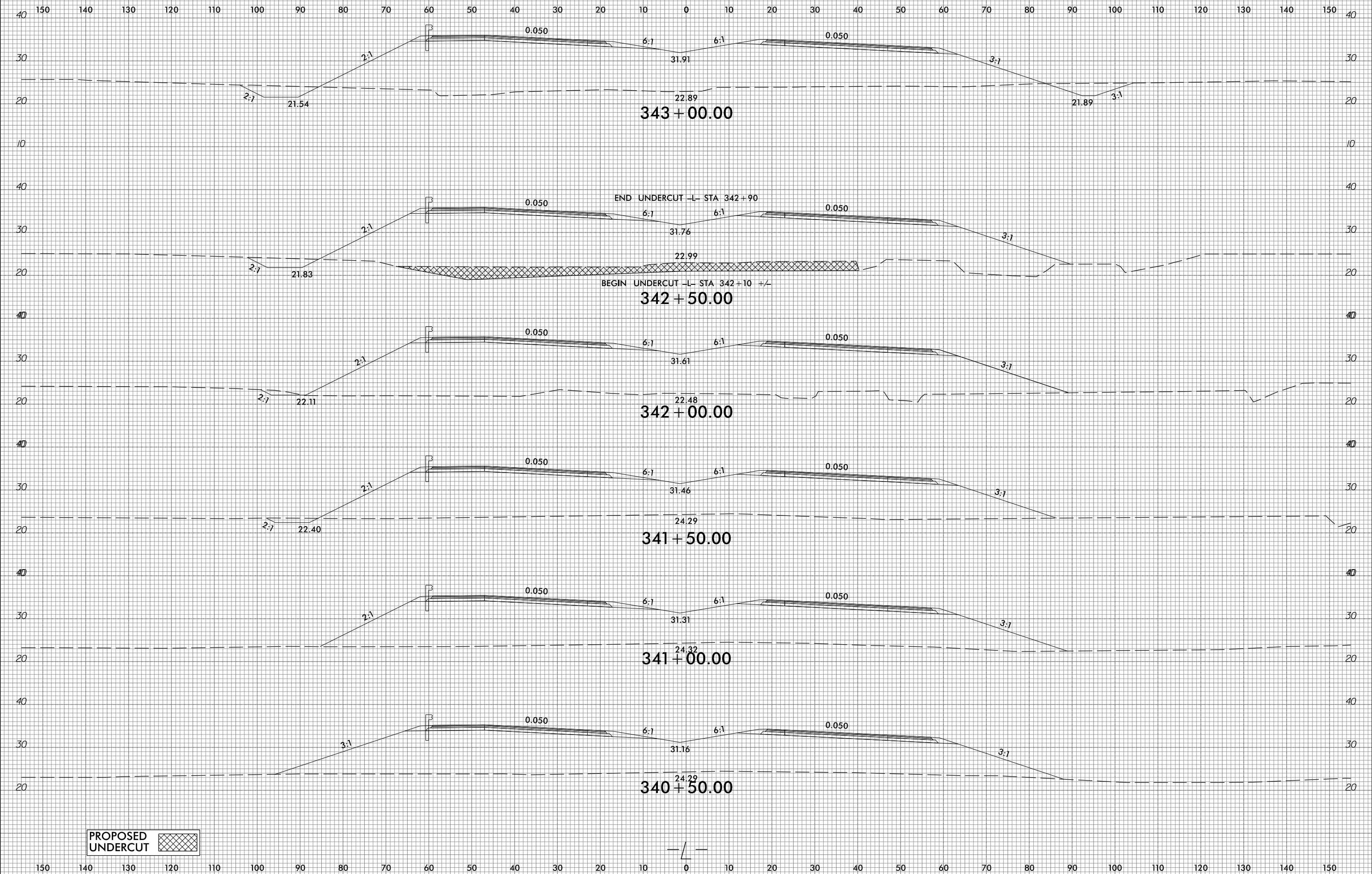
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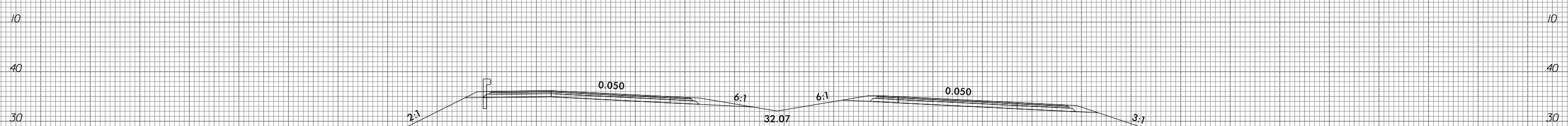
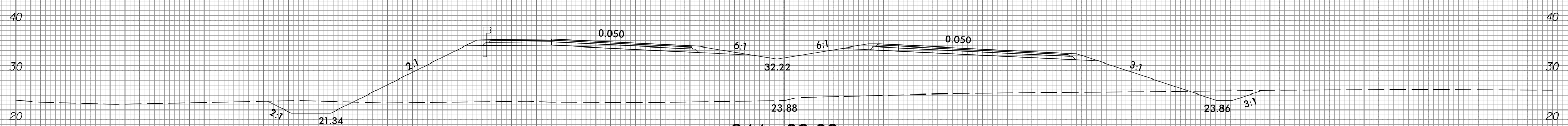
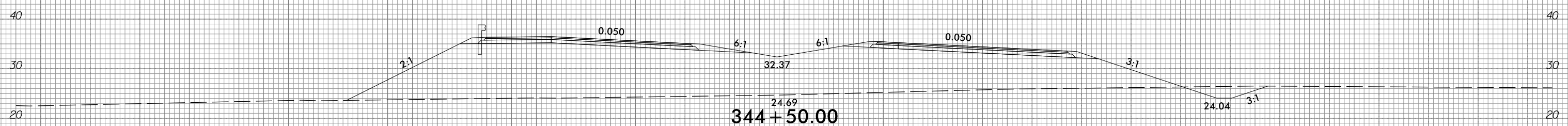
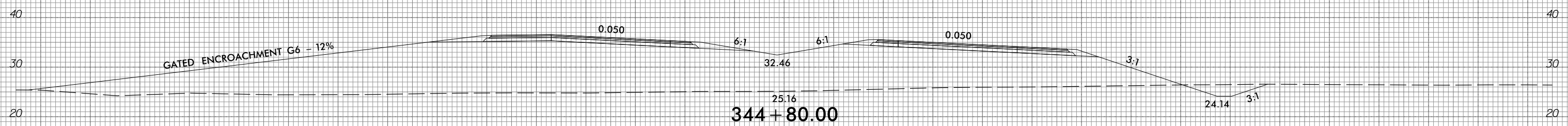
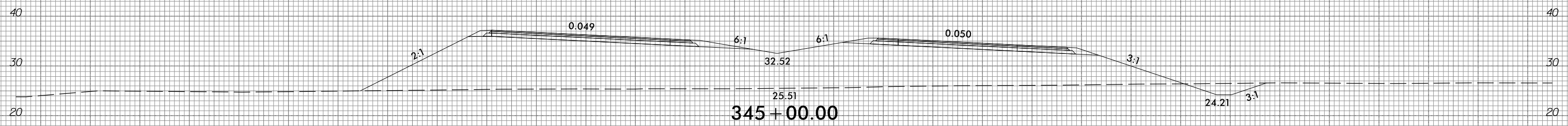
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-165

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



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

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gncdjin

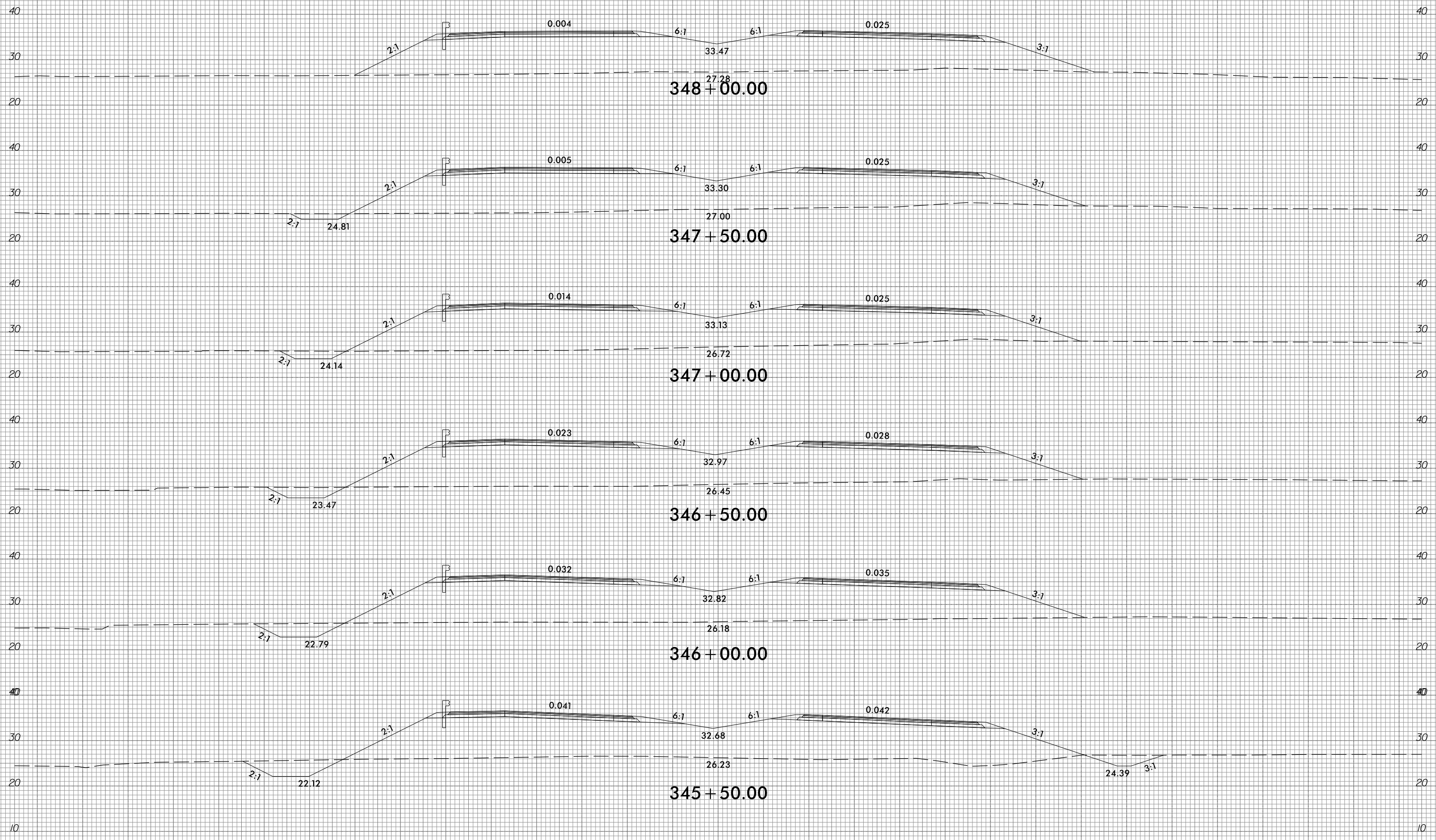
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-166

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



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gncdlin

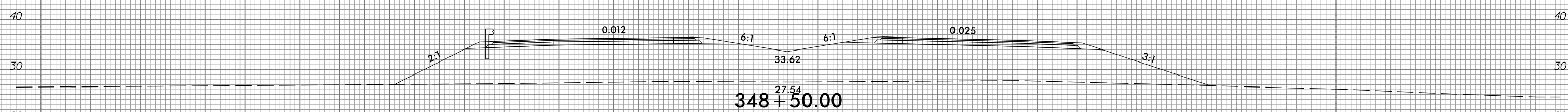
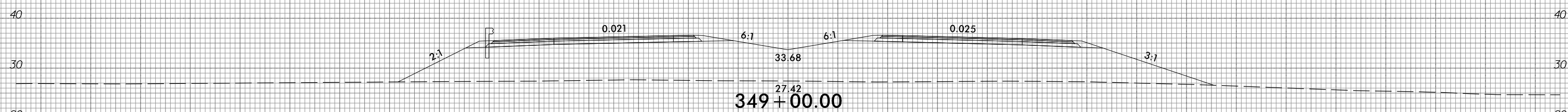
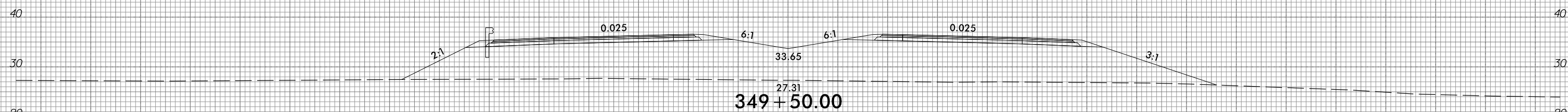
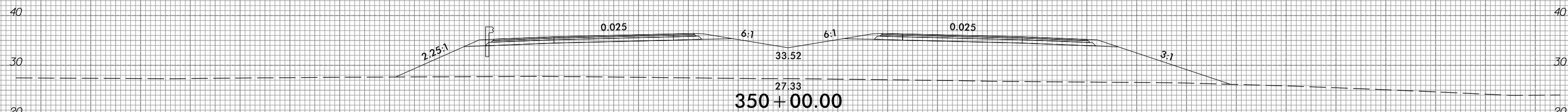
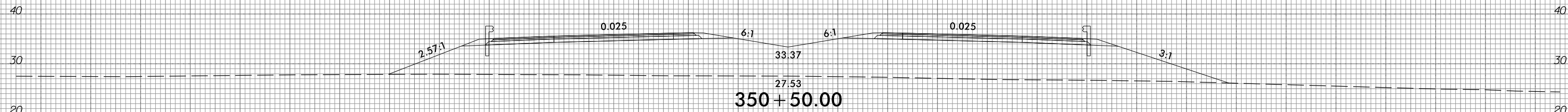
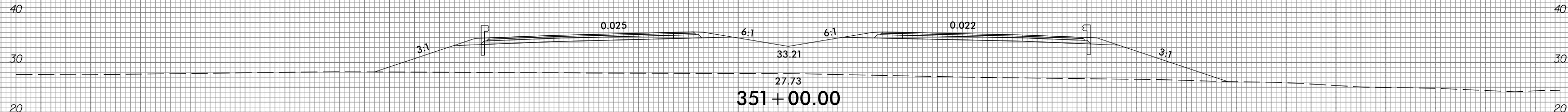
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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-167

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

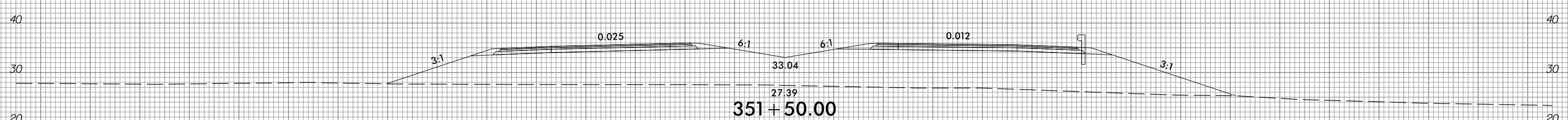
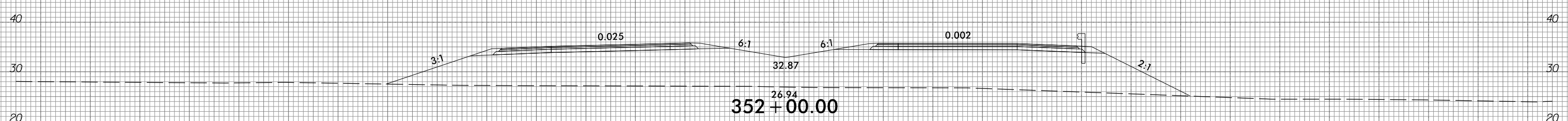
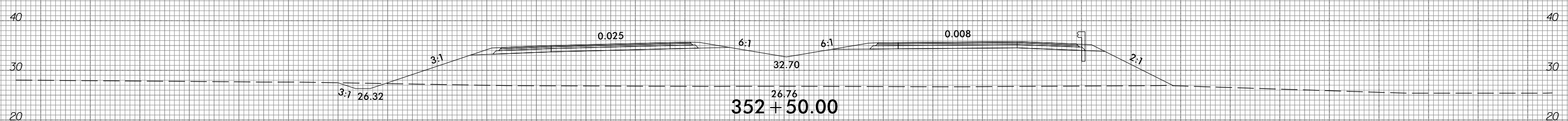
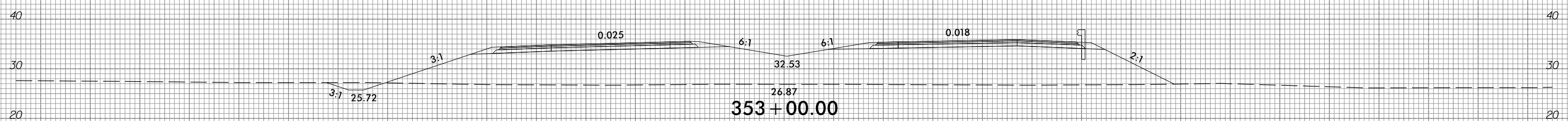
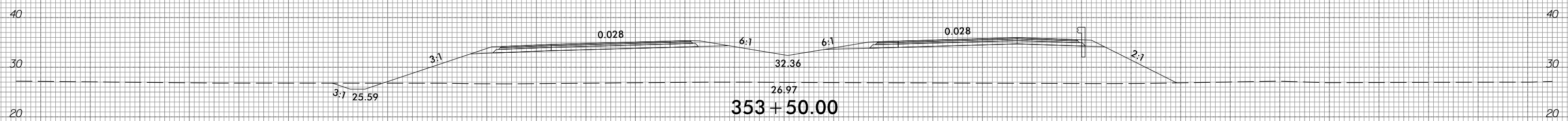
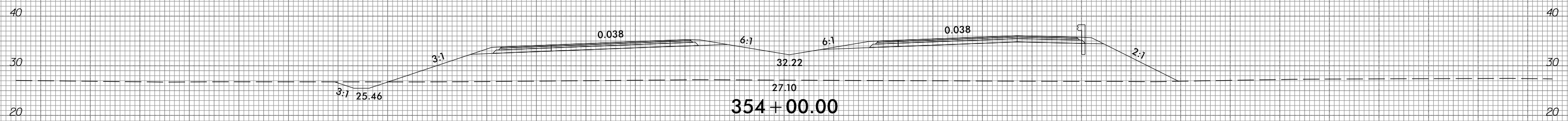


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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



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

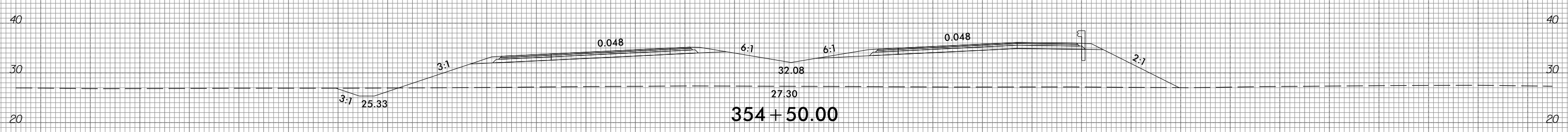
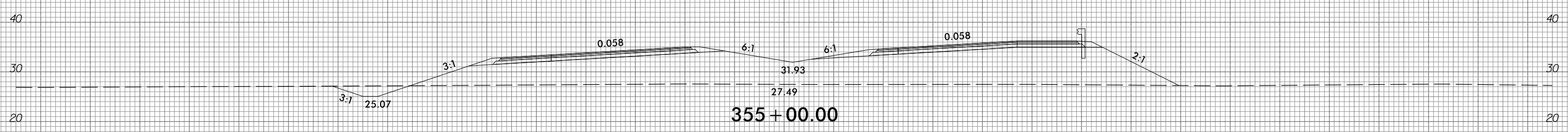
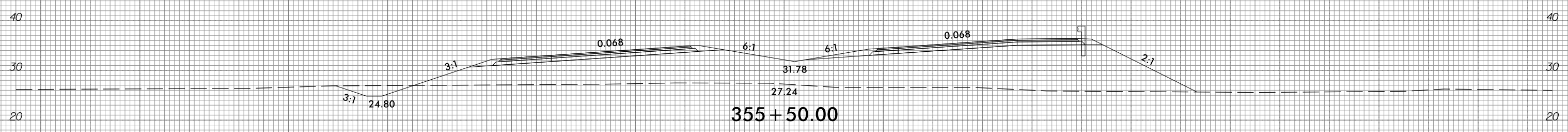
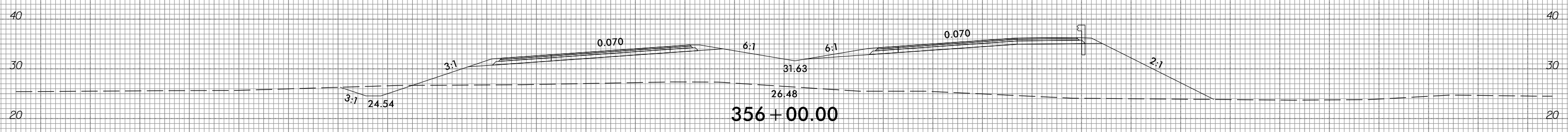
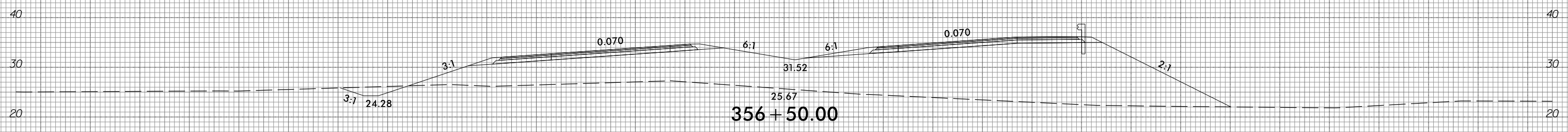
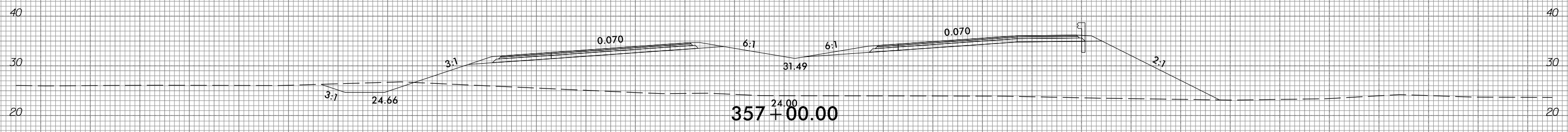
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-169

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



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

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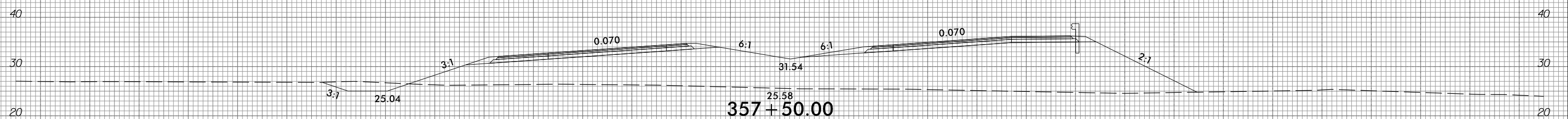
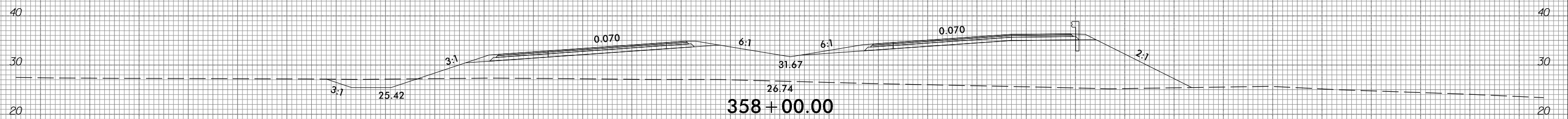
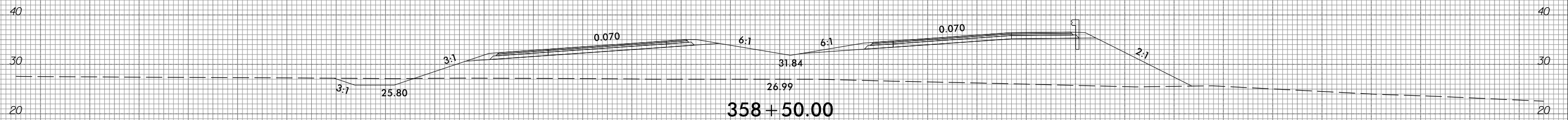
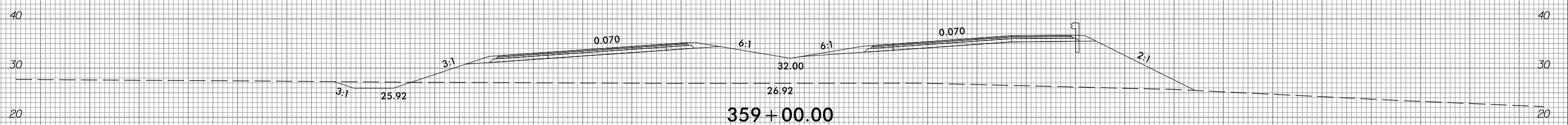
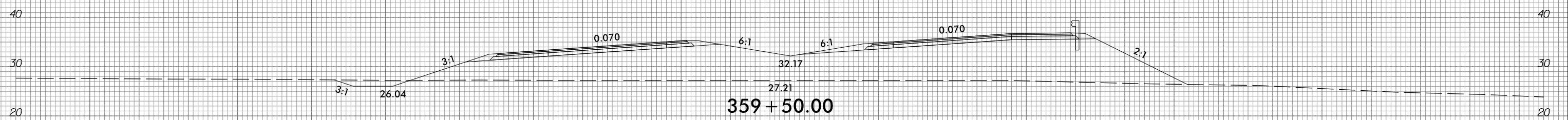
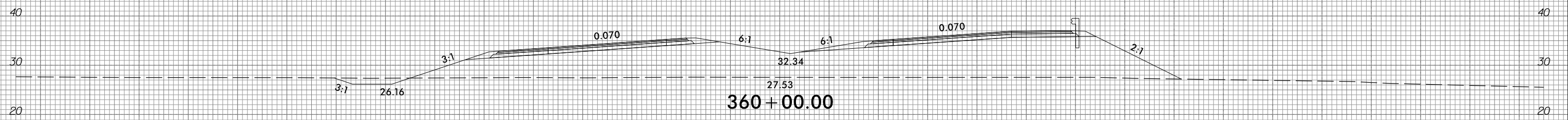
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-170

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



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

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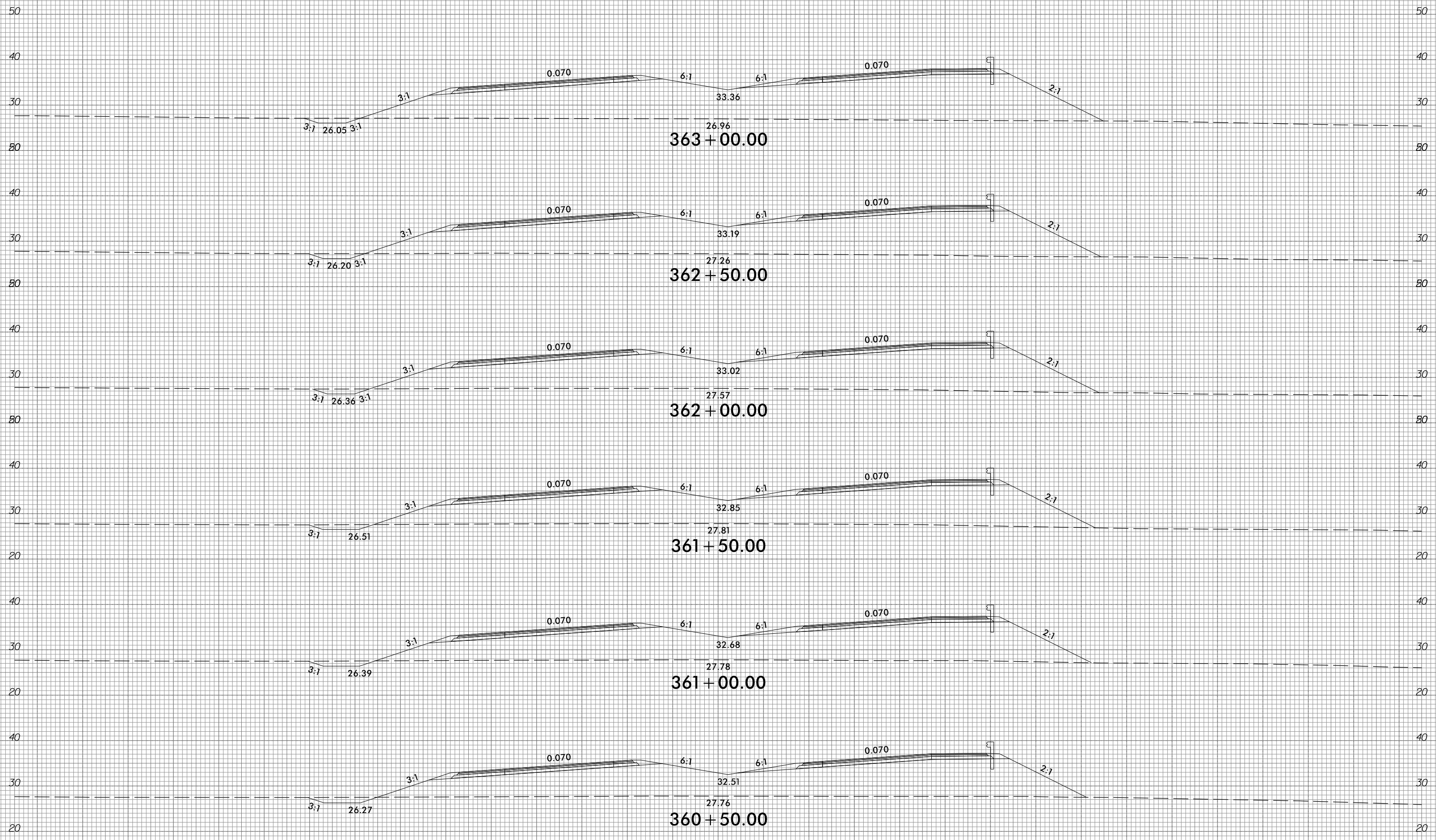
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-171

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



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

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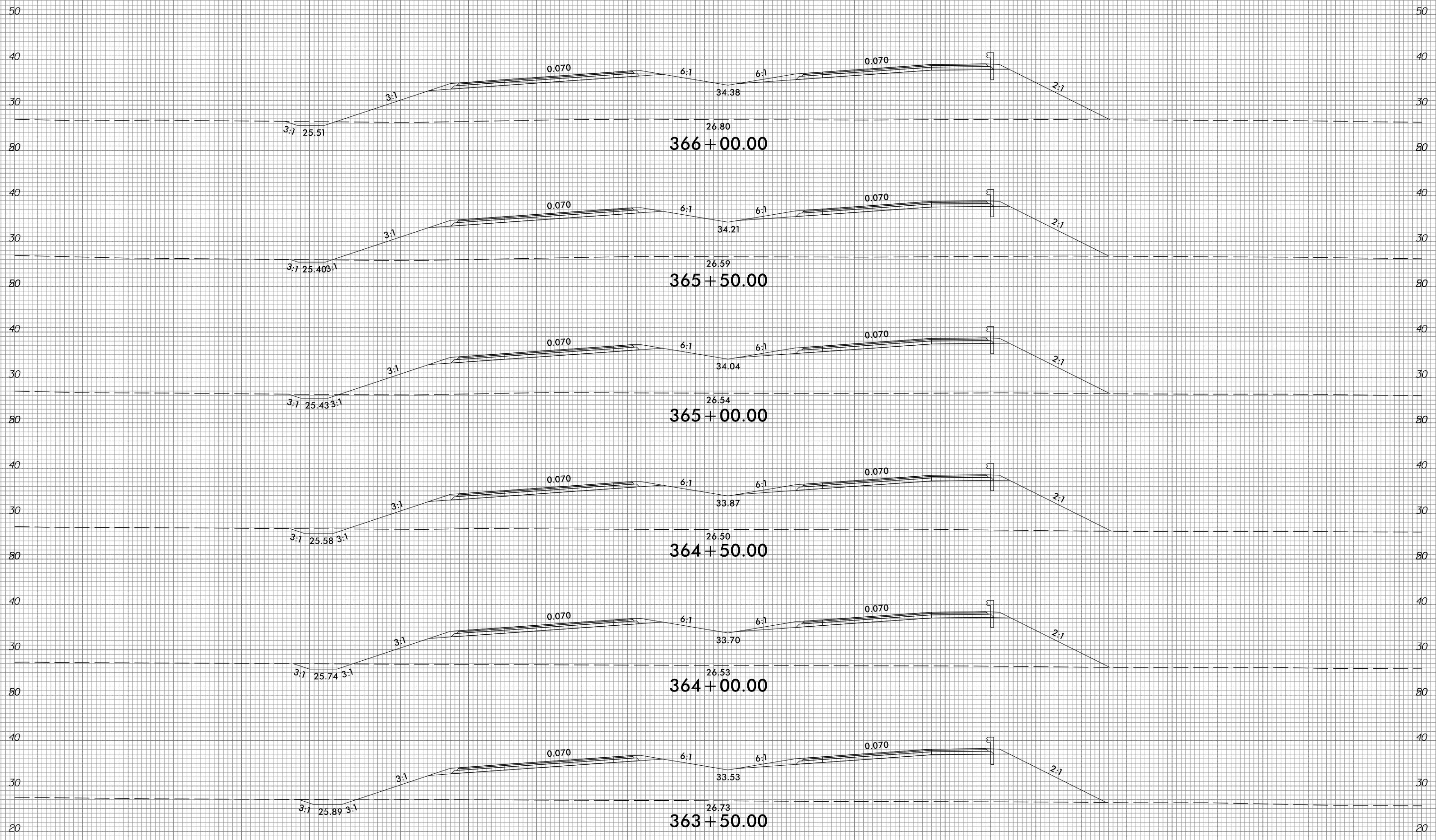
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-172

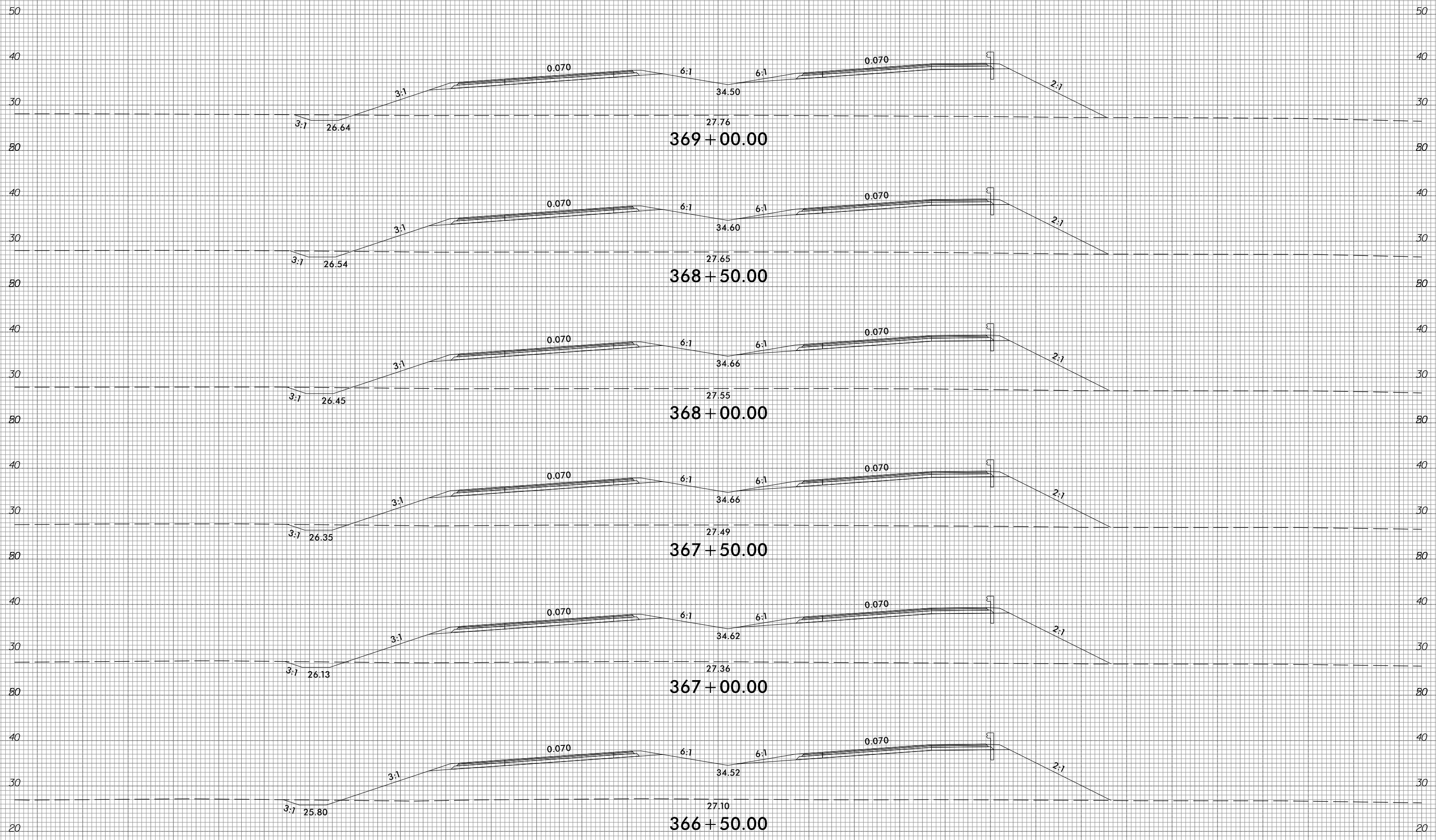
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

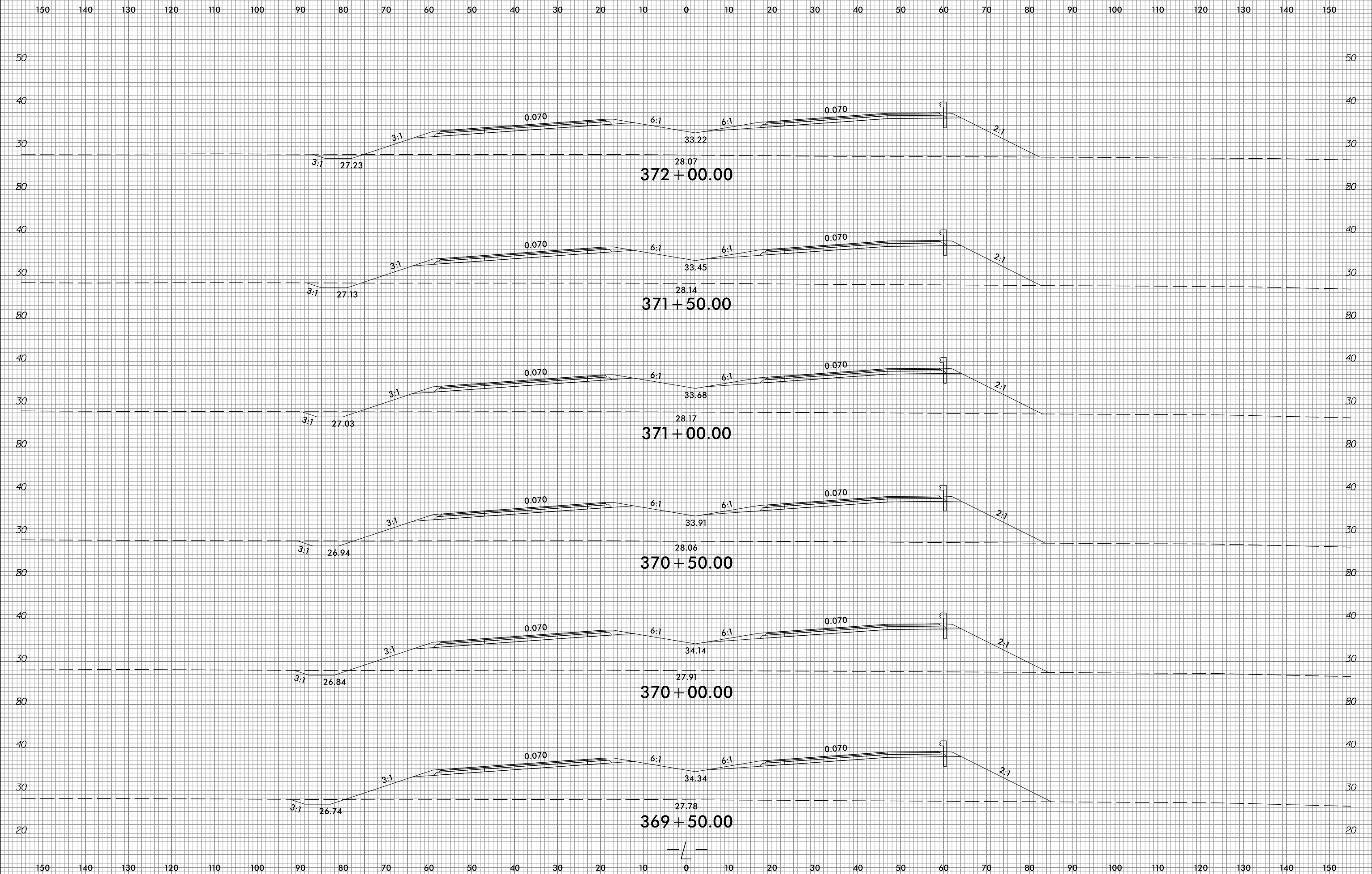


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R-1015	X-174



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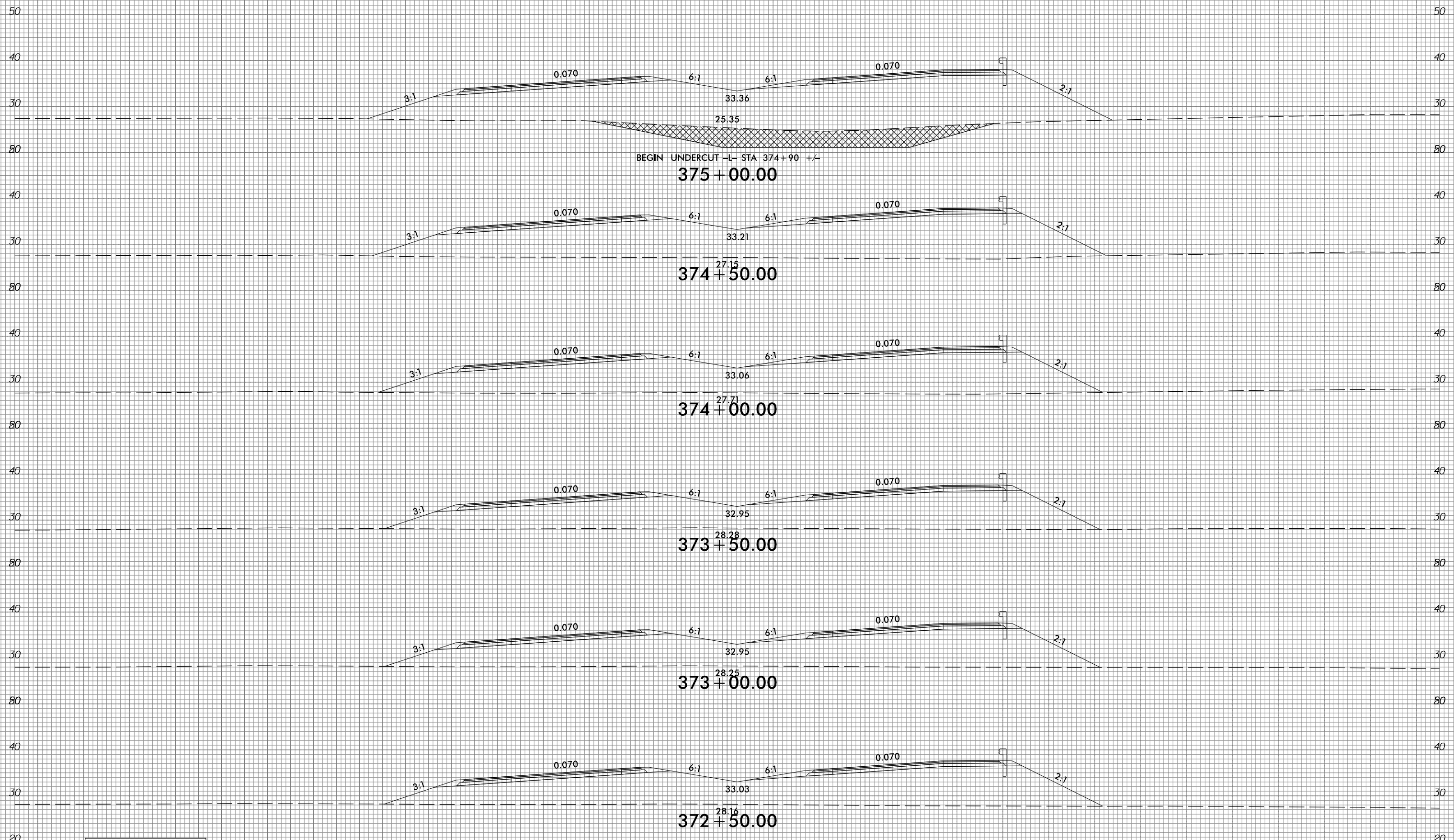
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-175

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



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

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gmc311

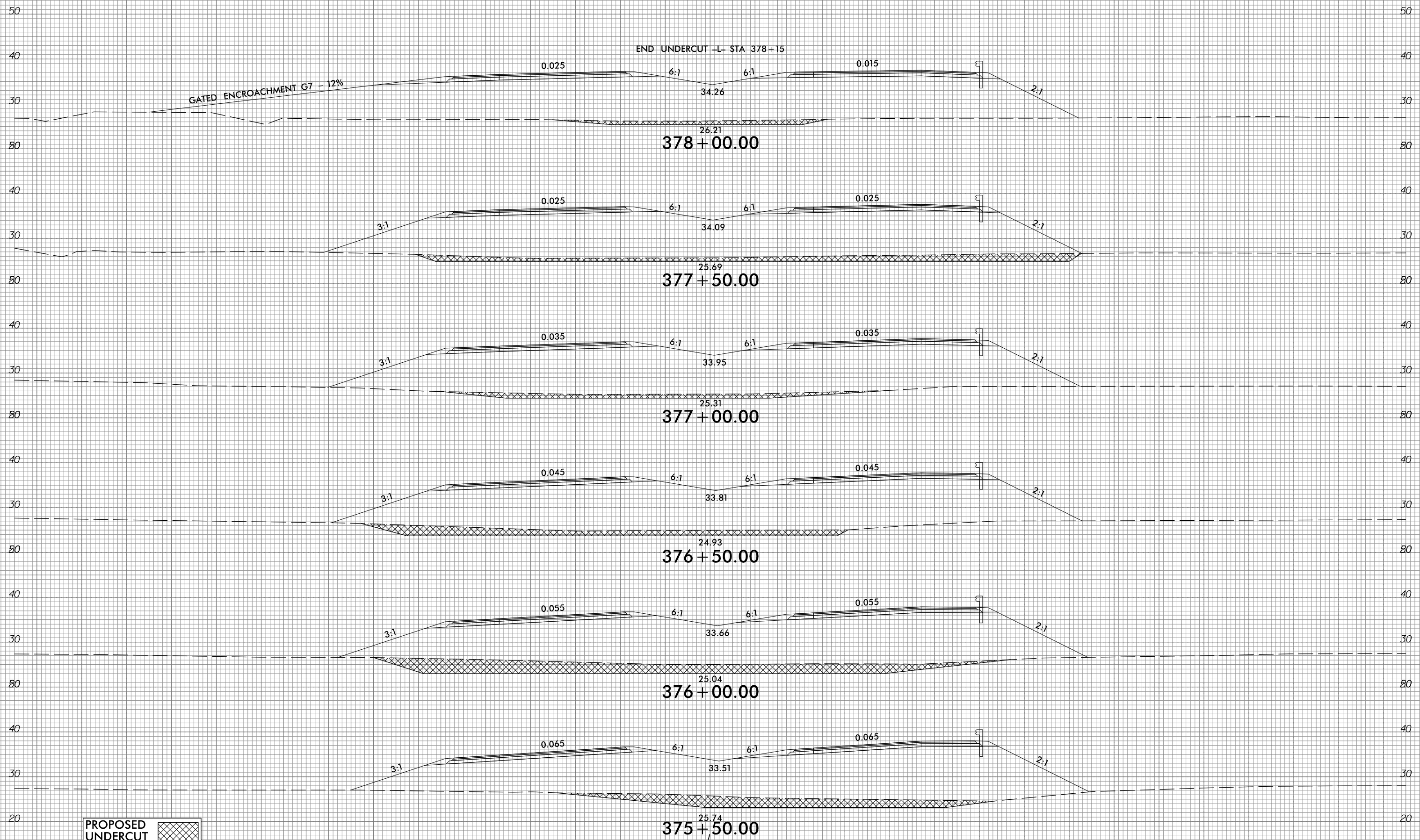
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-176

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



PROPOSED UNDERCUT

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

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gmc311

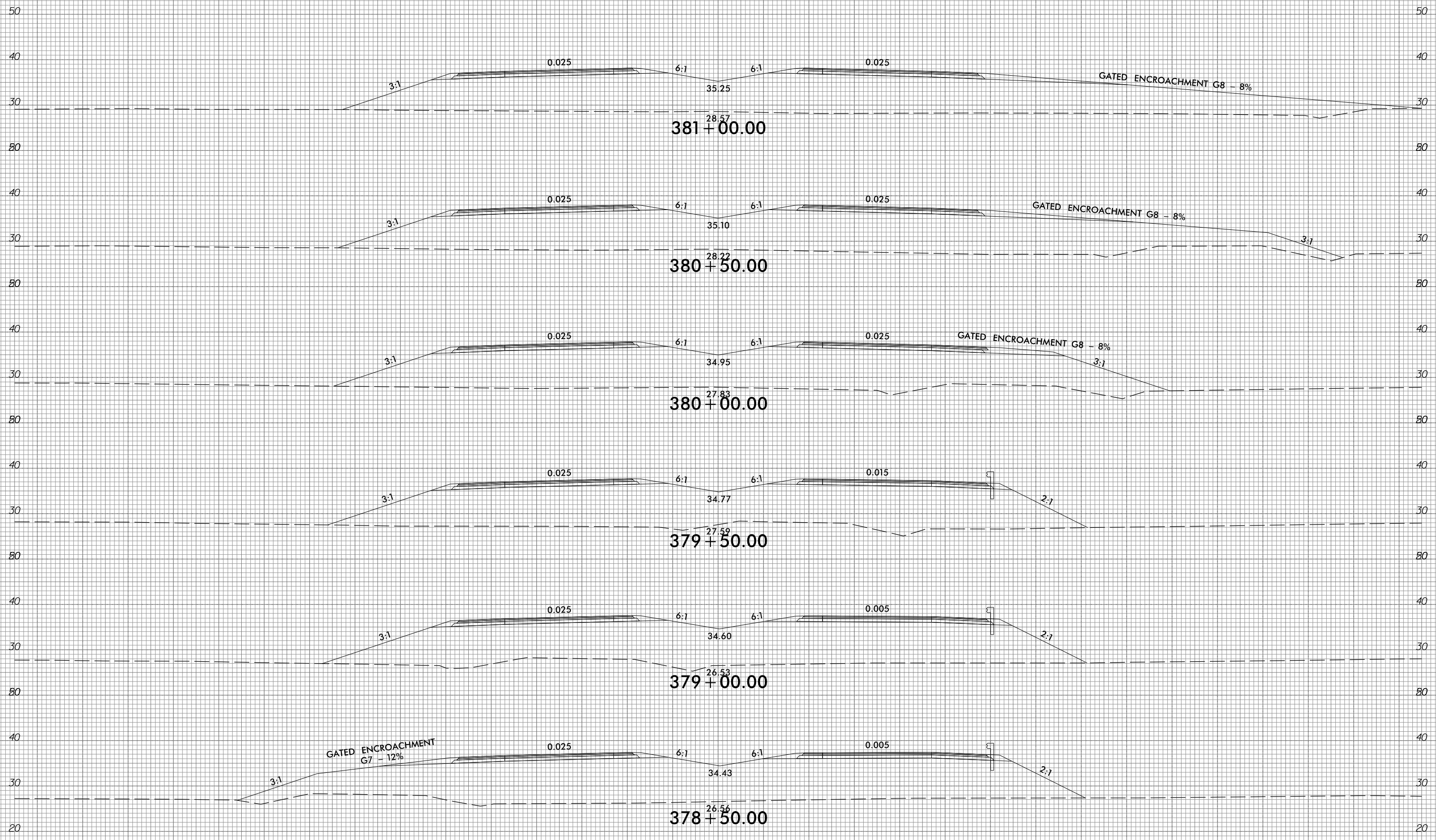
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-177

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



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

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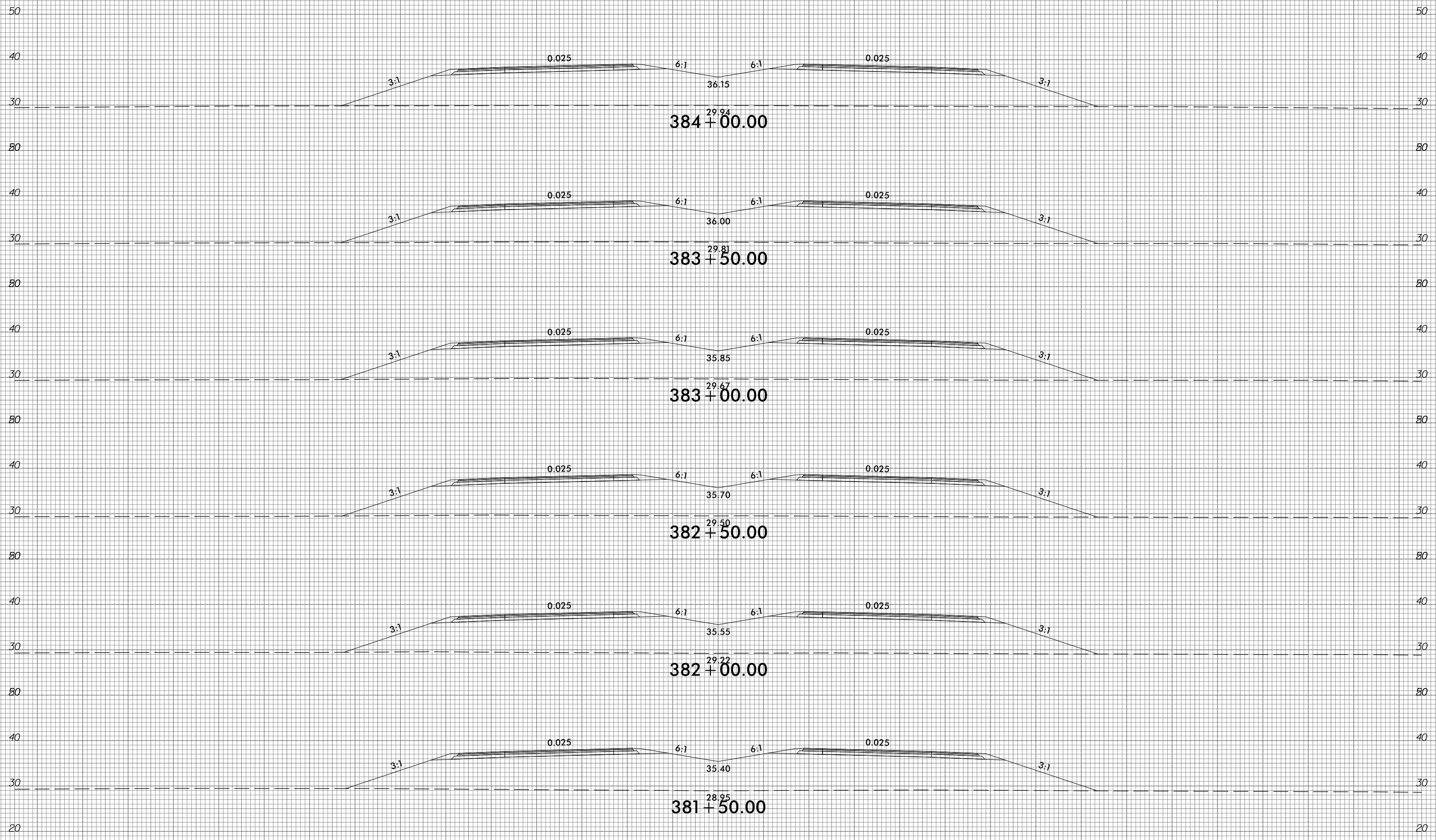
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-178

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

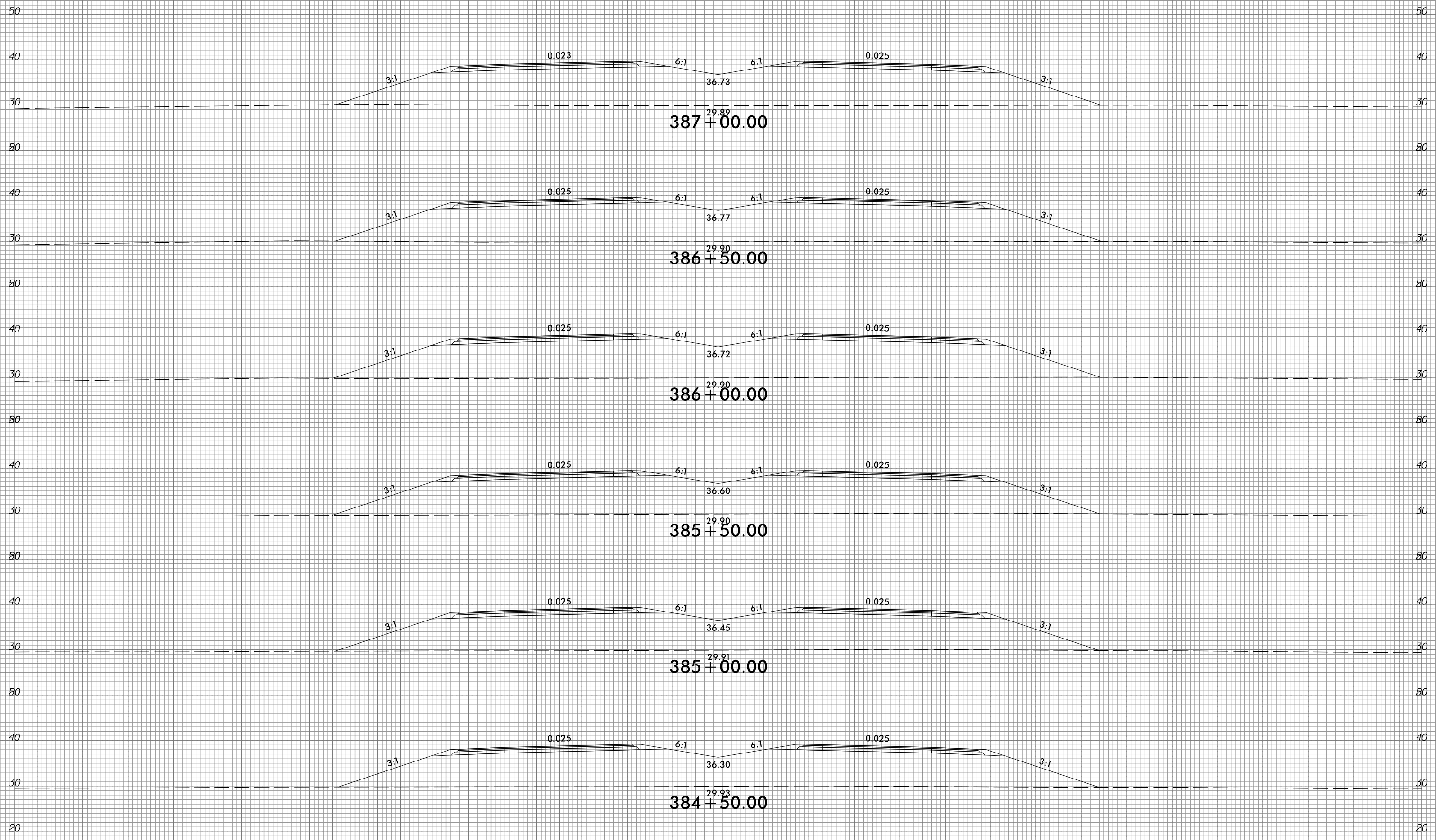


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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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



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



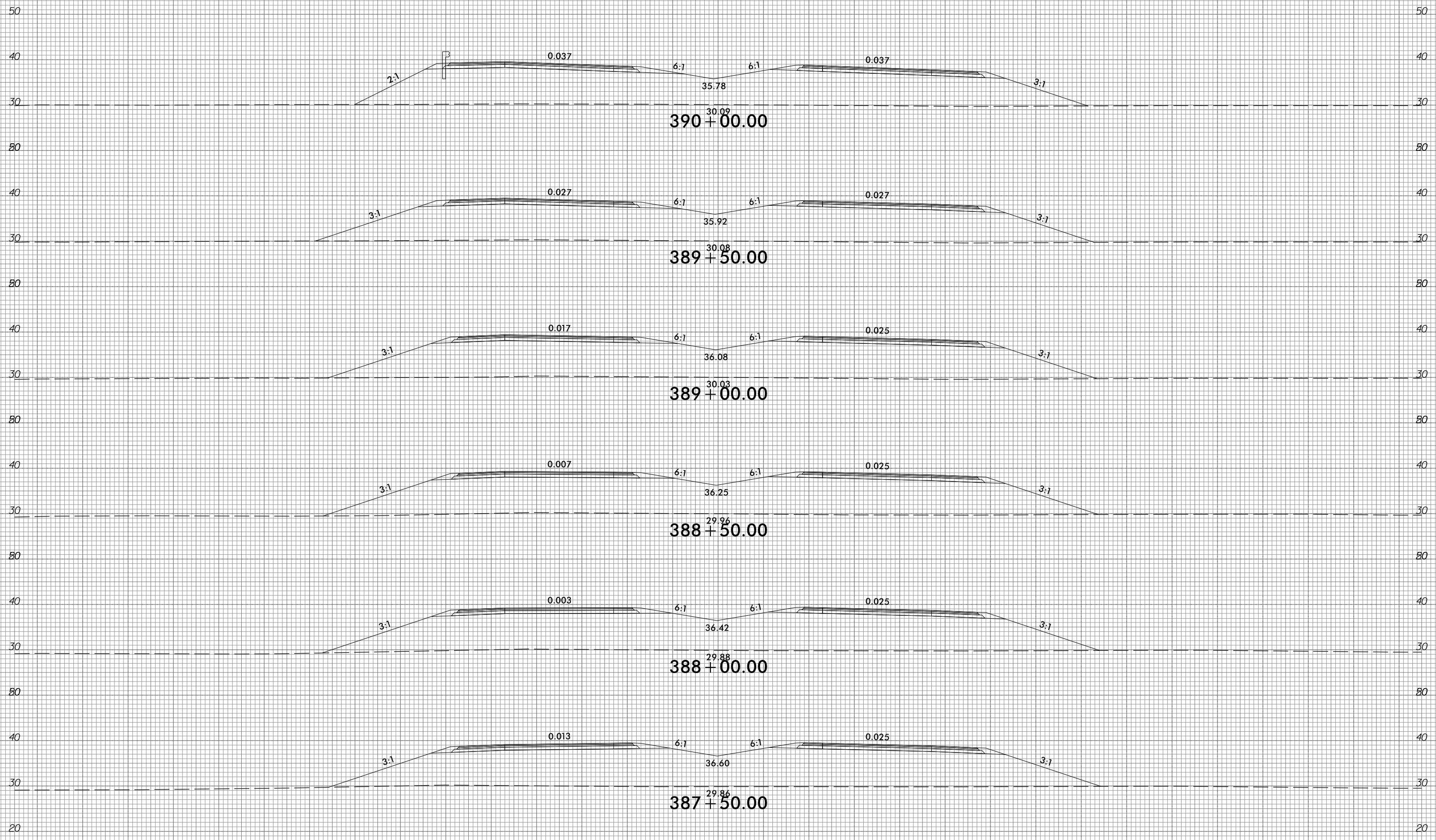
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-180

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



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gncdlin

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

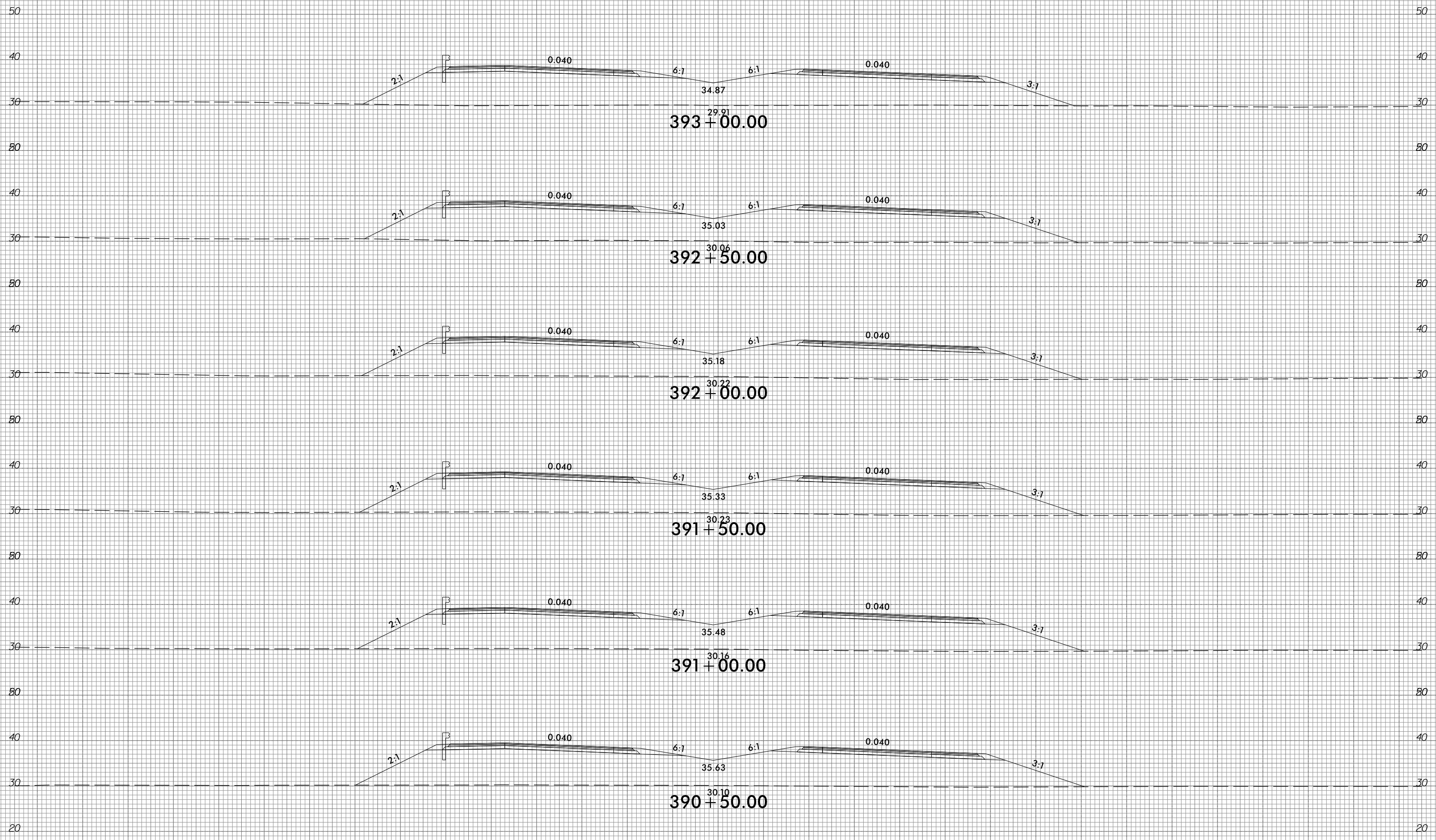
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-181

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



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G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin

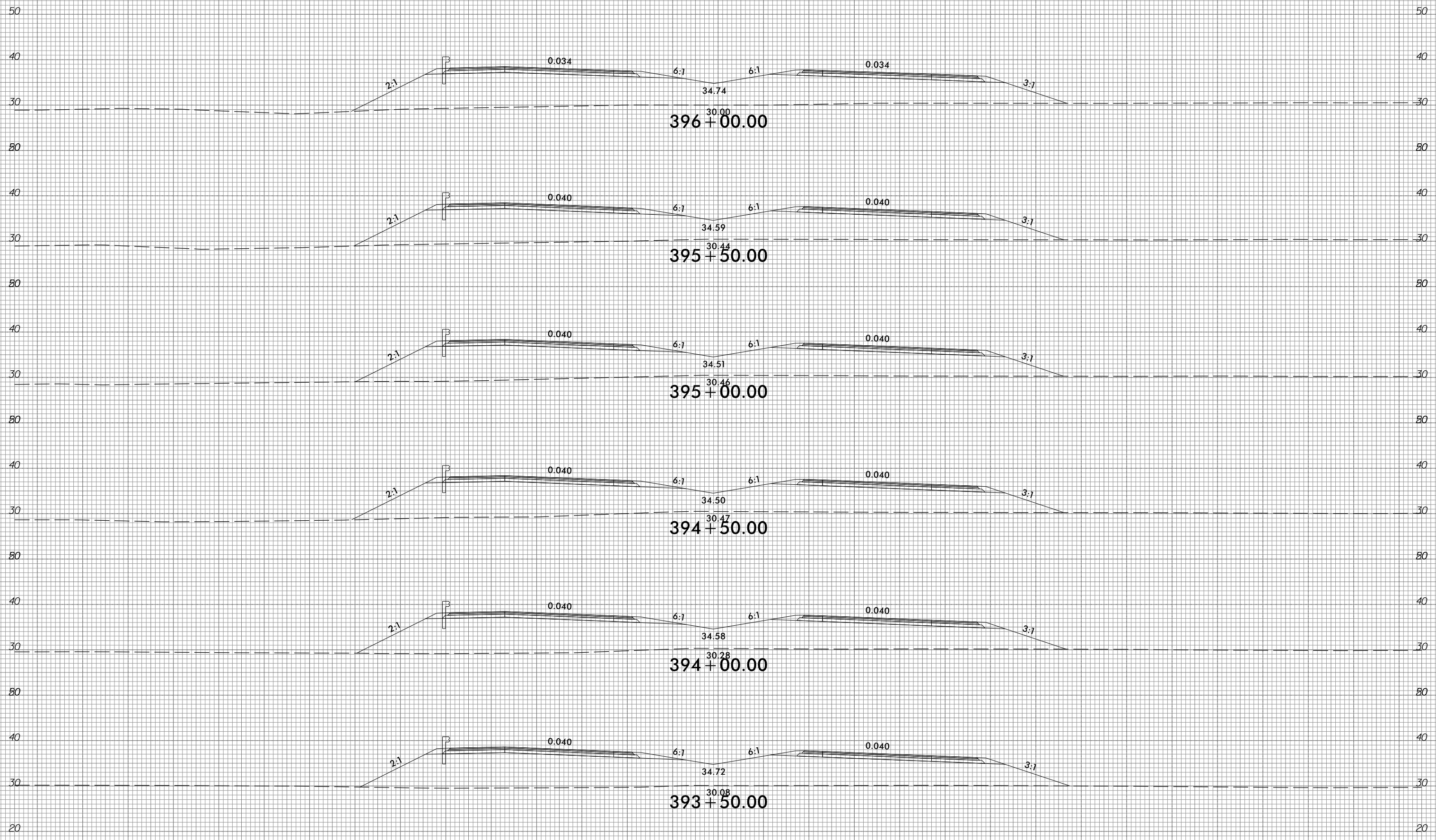
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-182

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



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 gmc311

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

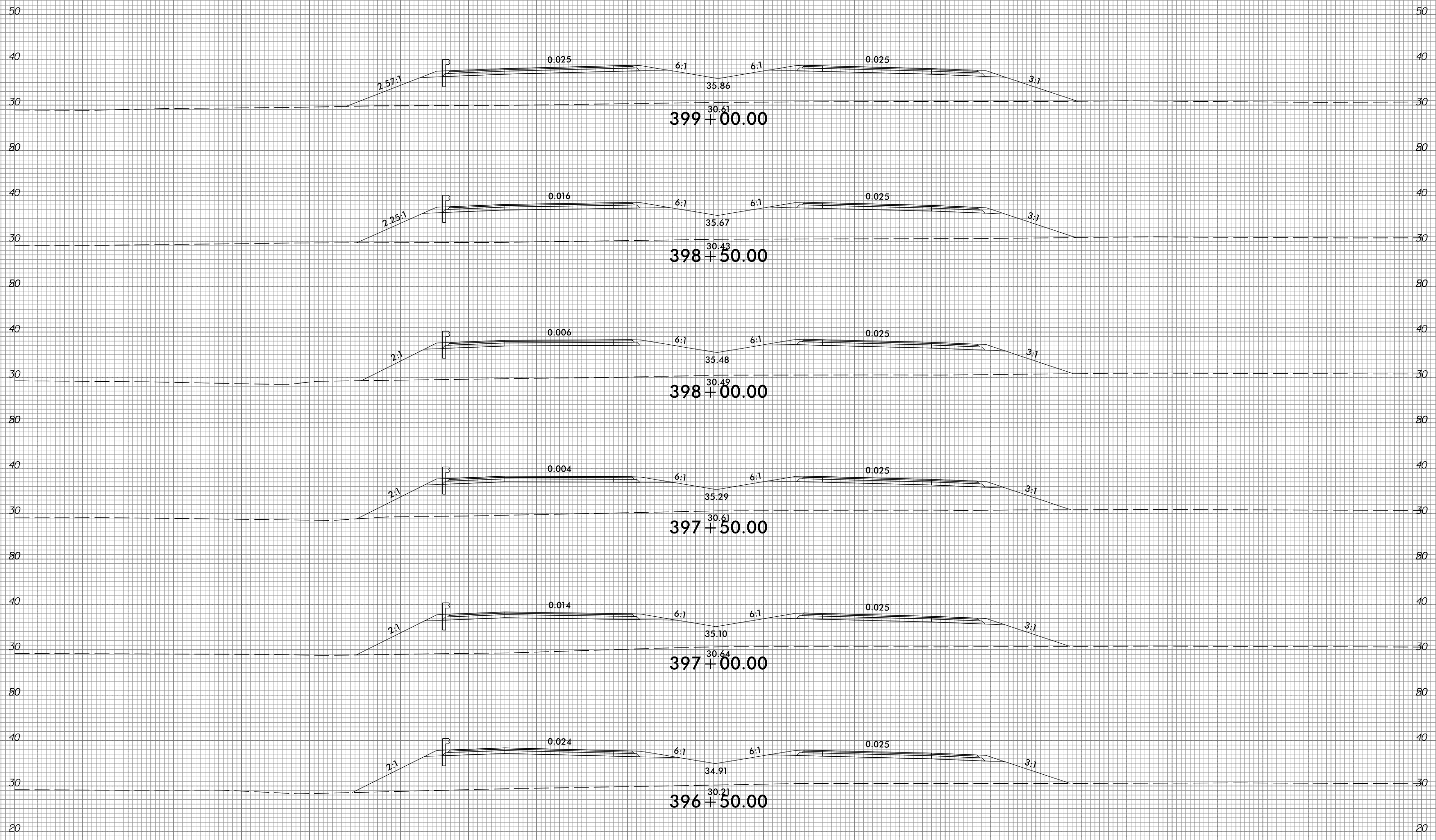
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-183

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



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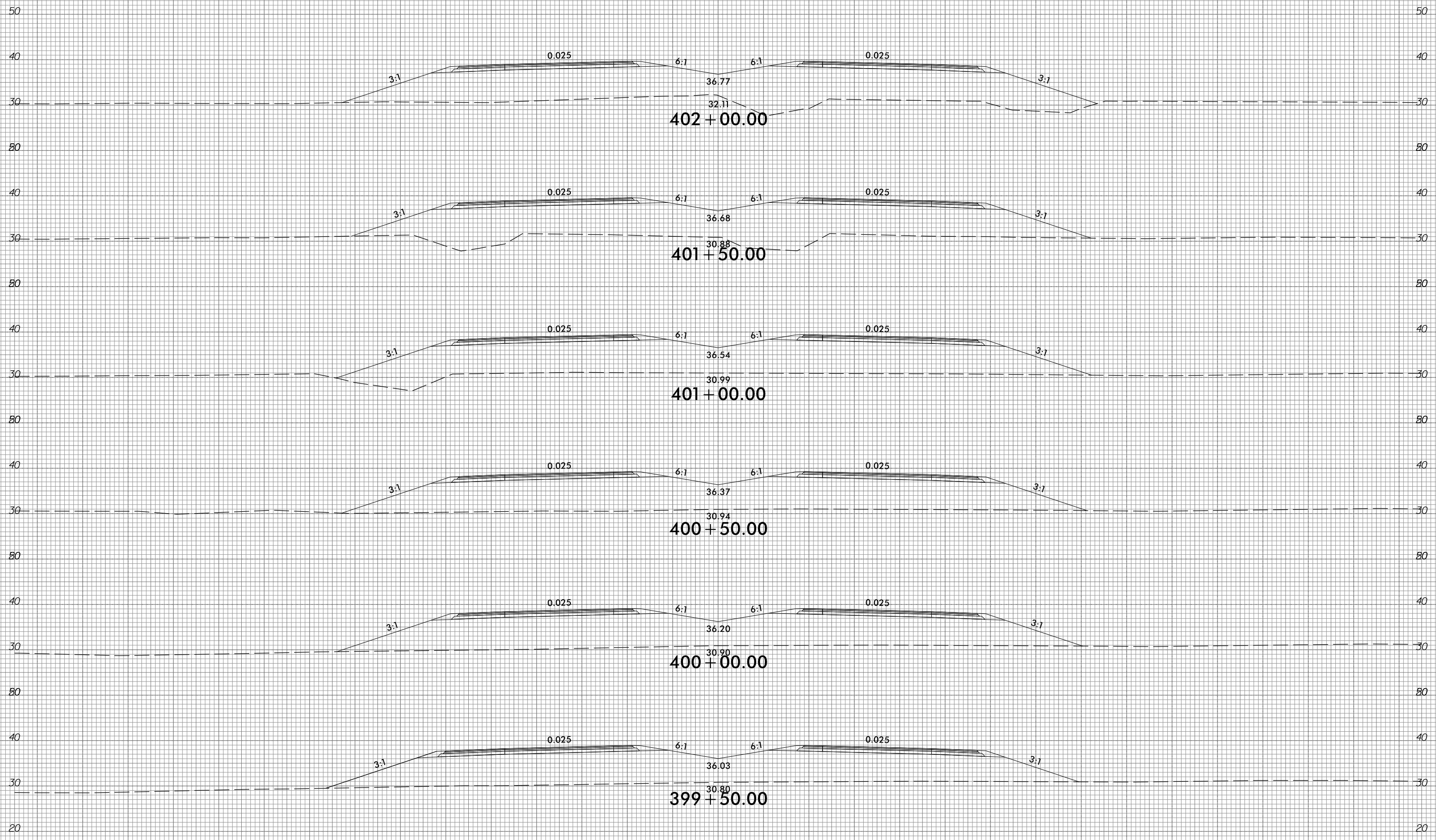
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gncdlin

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-184

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



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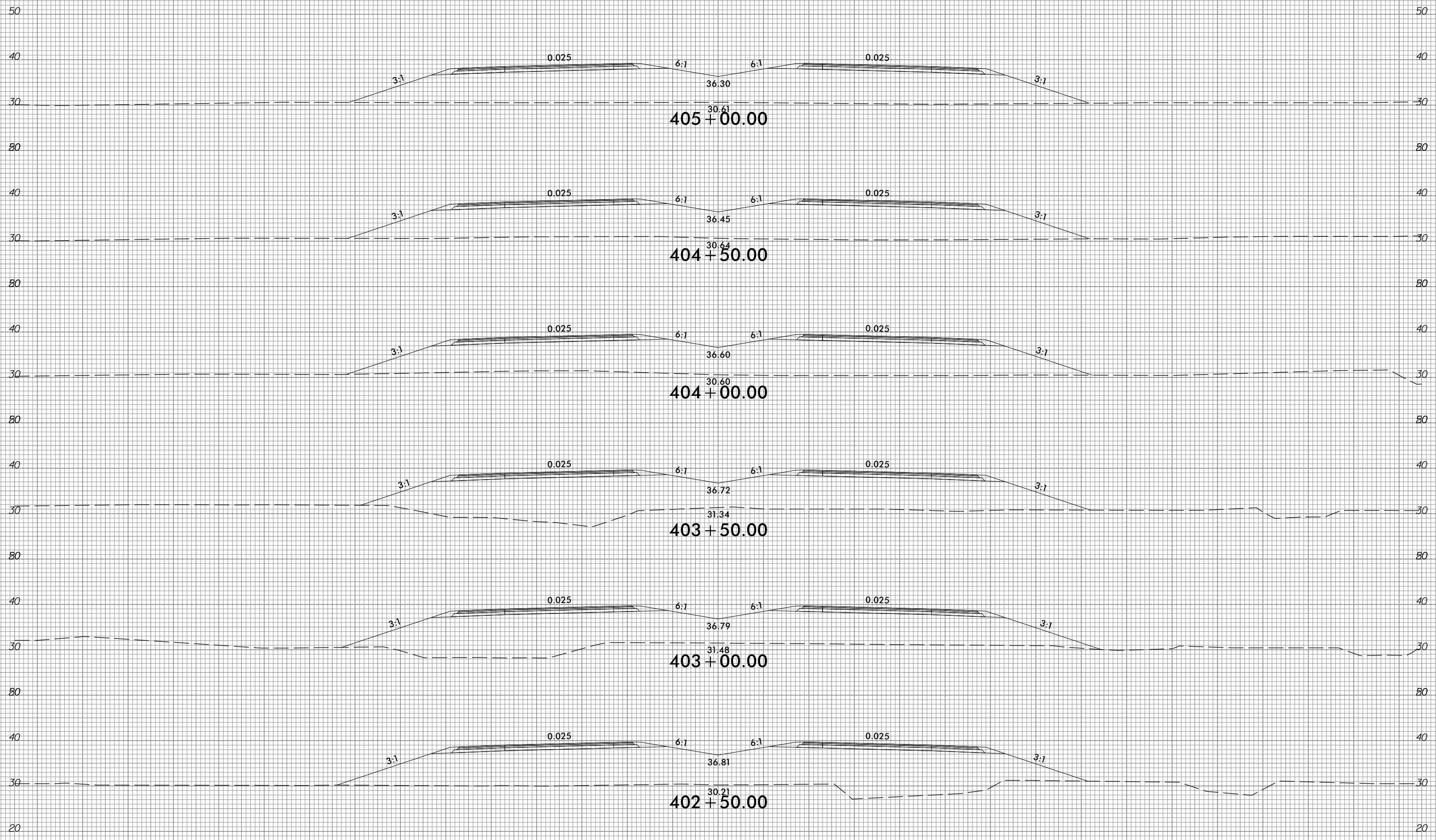
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6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-185

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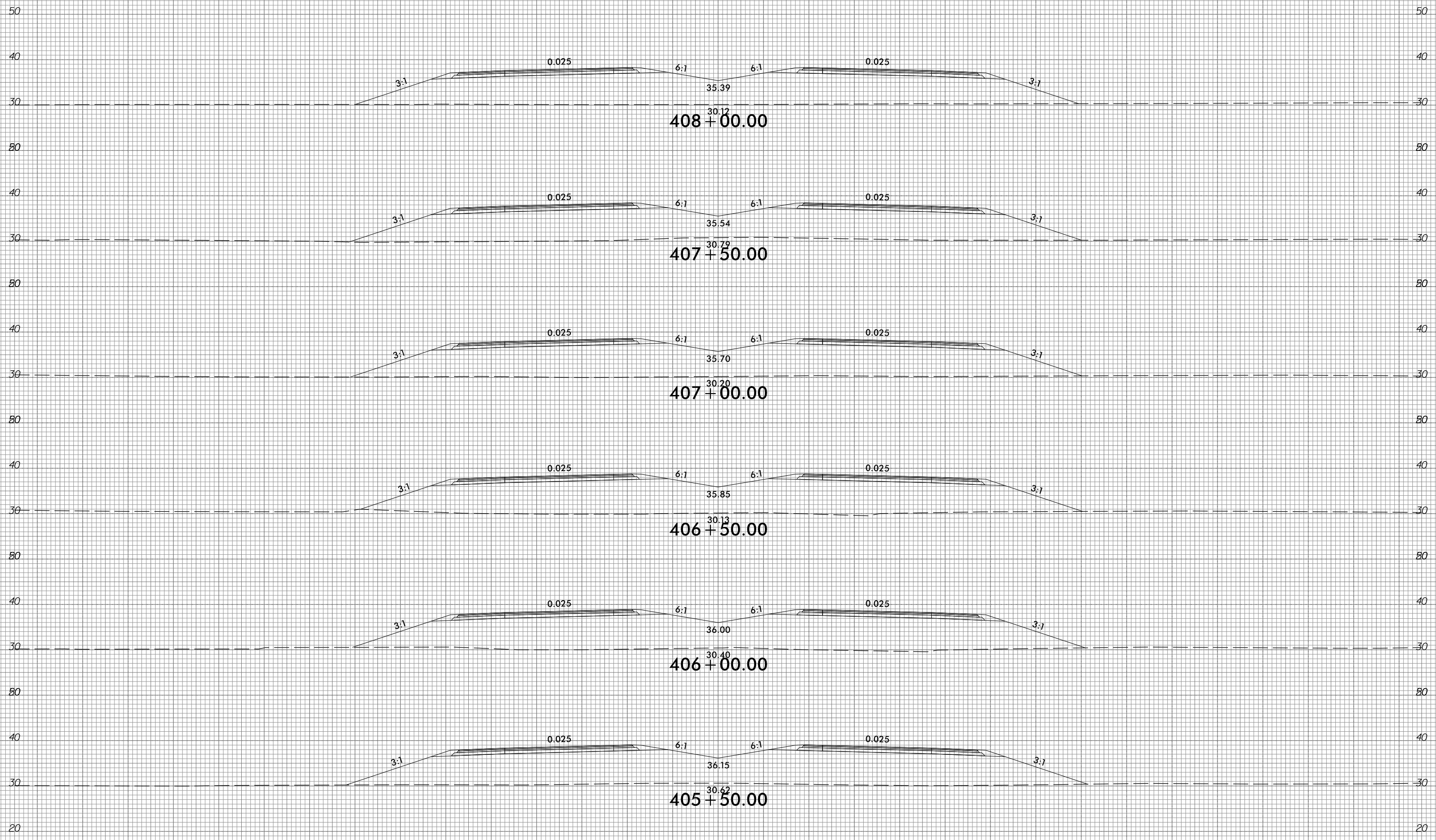


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 gmc31in

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



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



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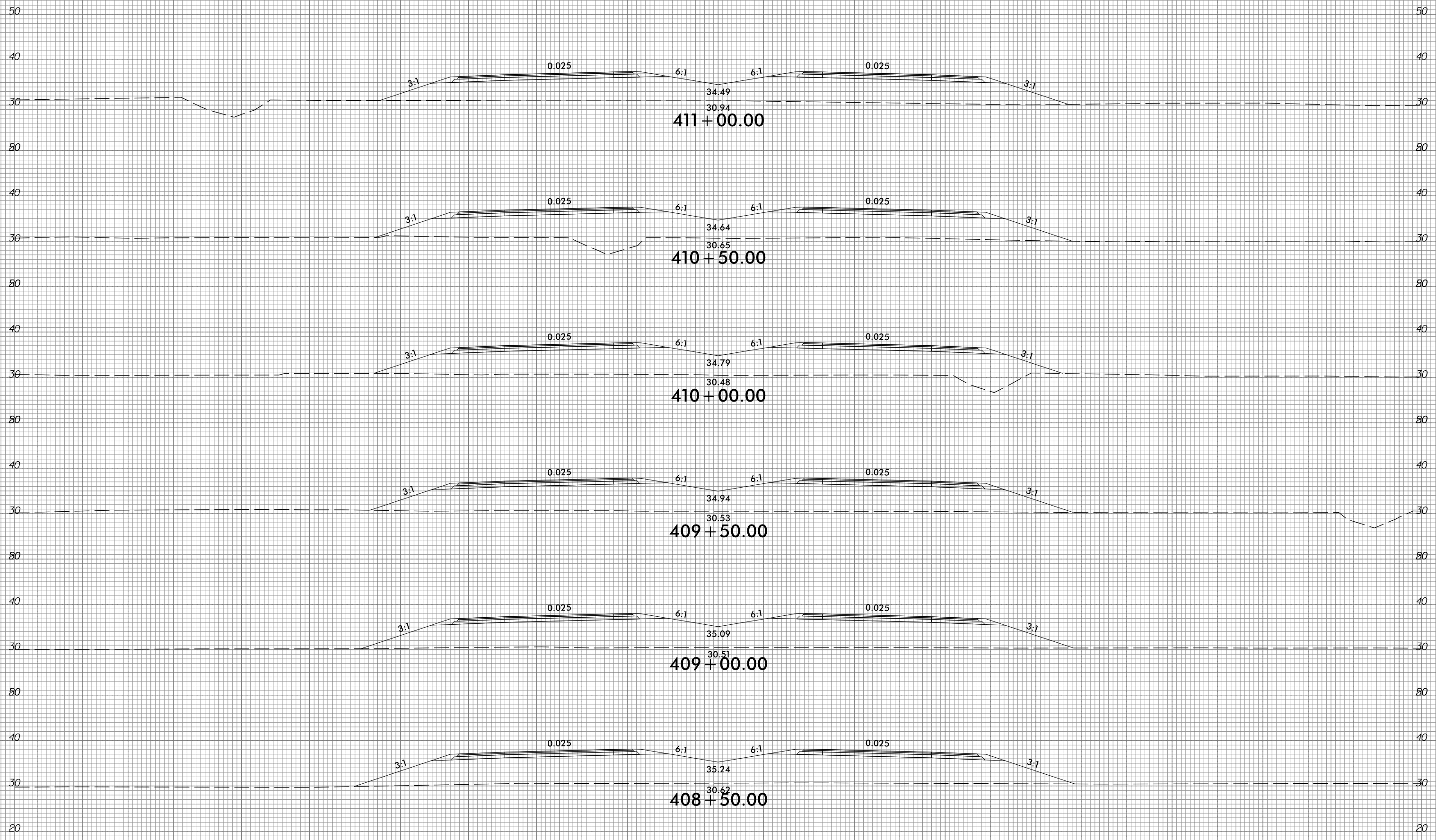
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-187

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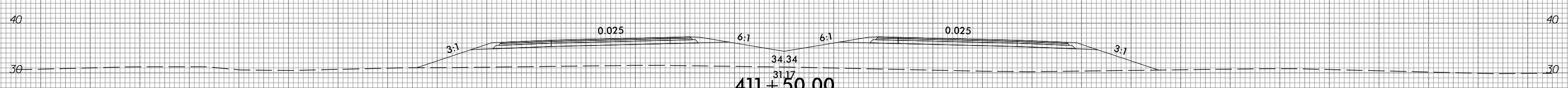
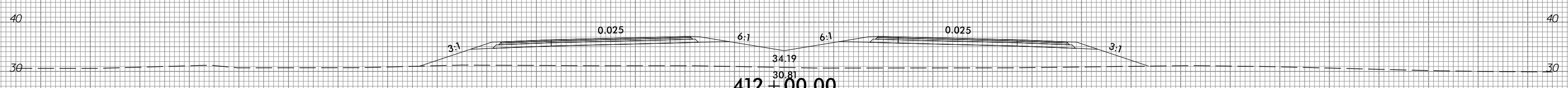
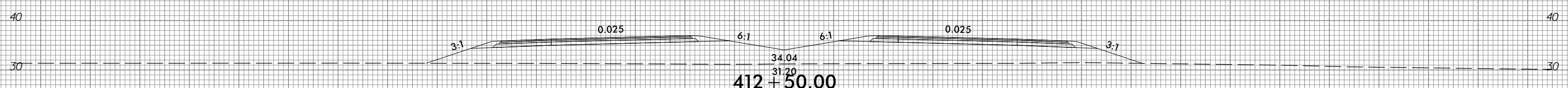
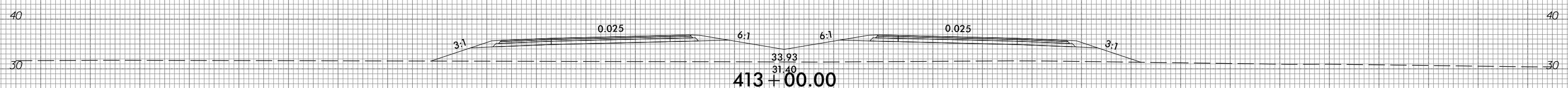
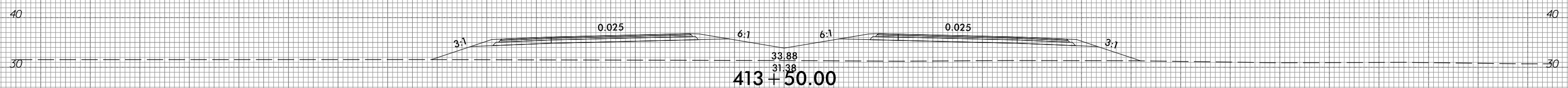
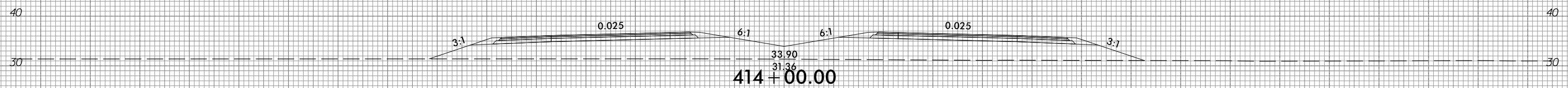
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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



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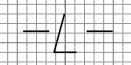
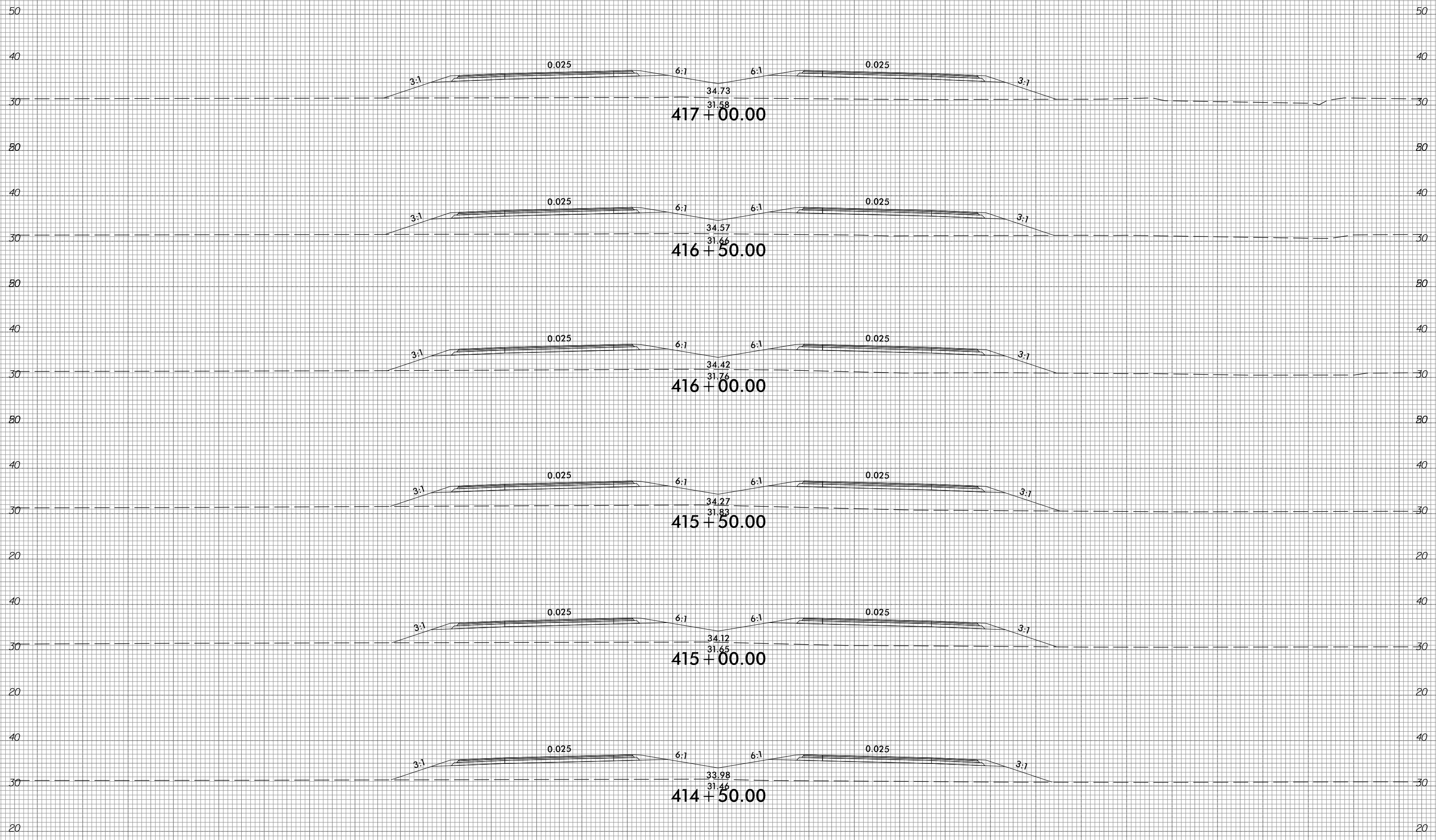
6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-189

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-189

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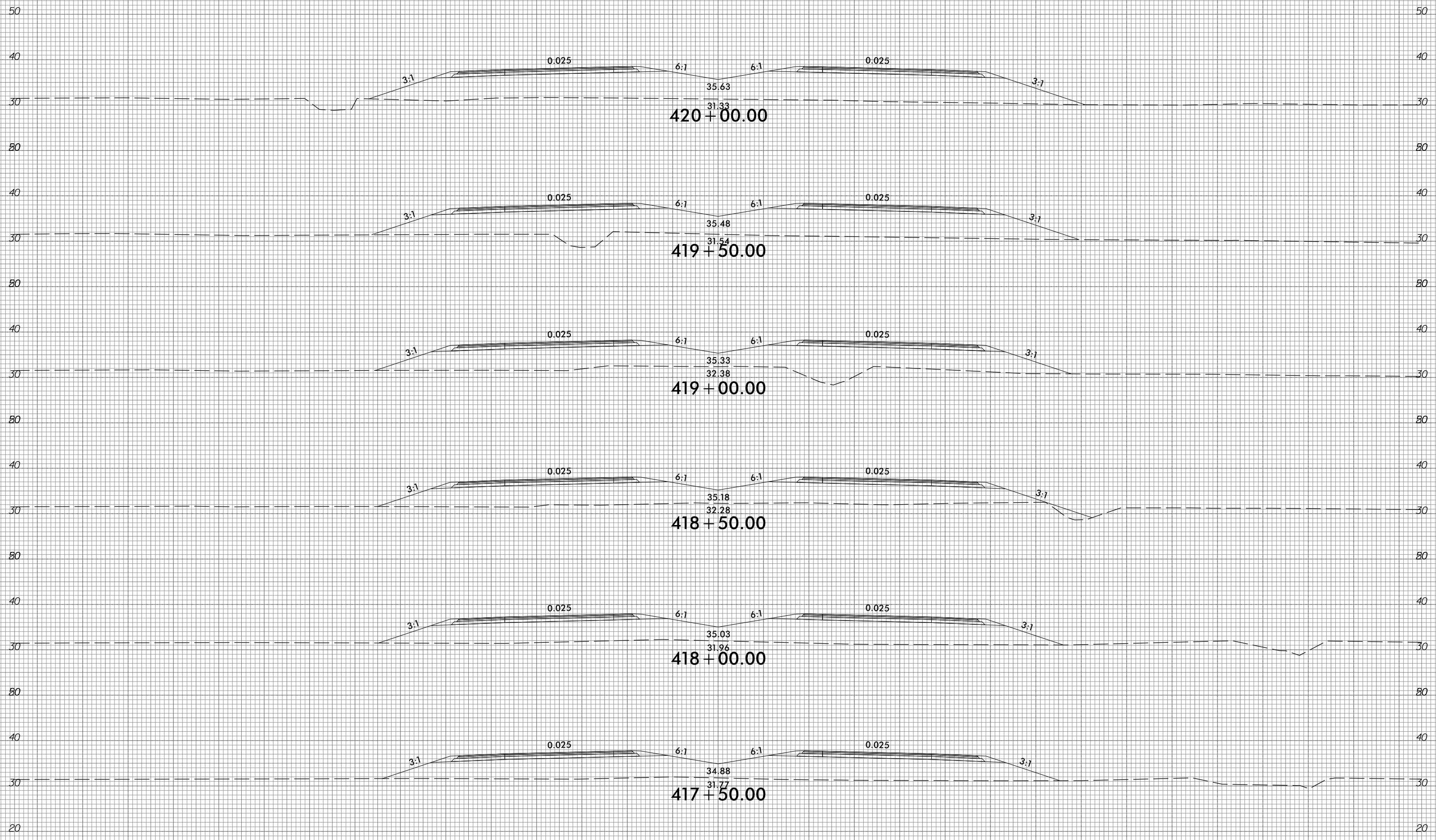


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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 gmc31in



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



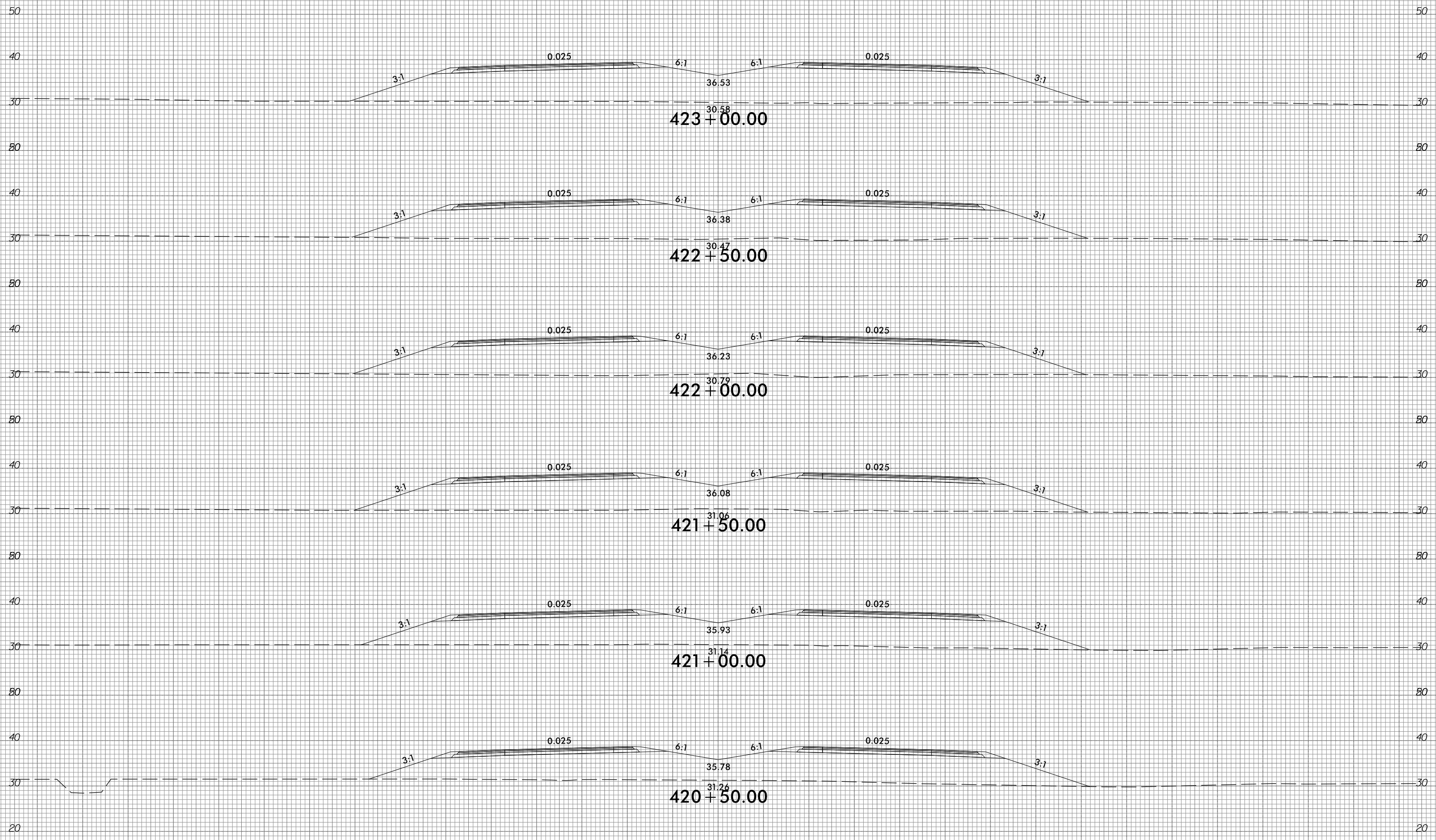
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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-191

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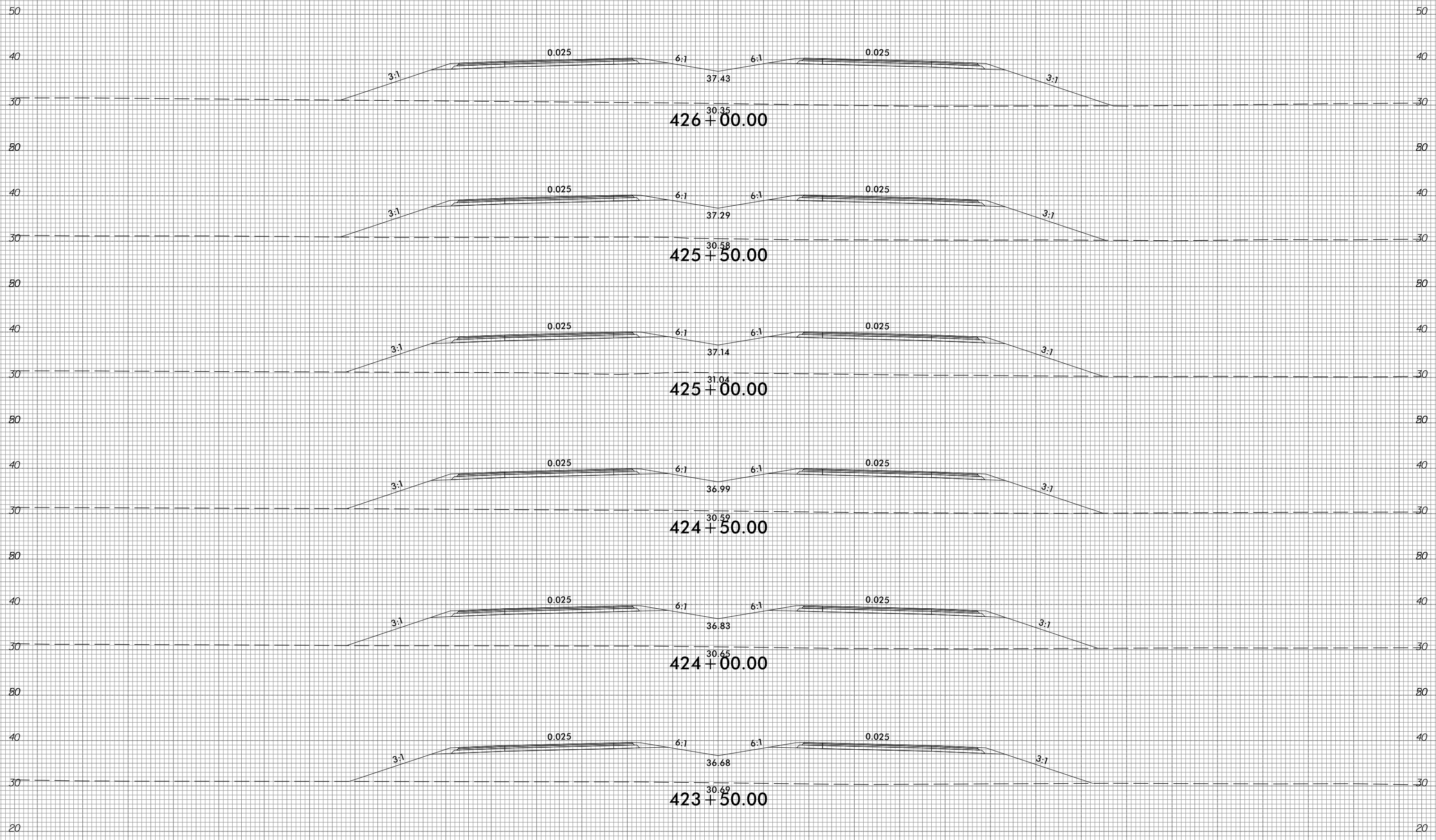


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 gmc311

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



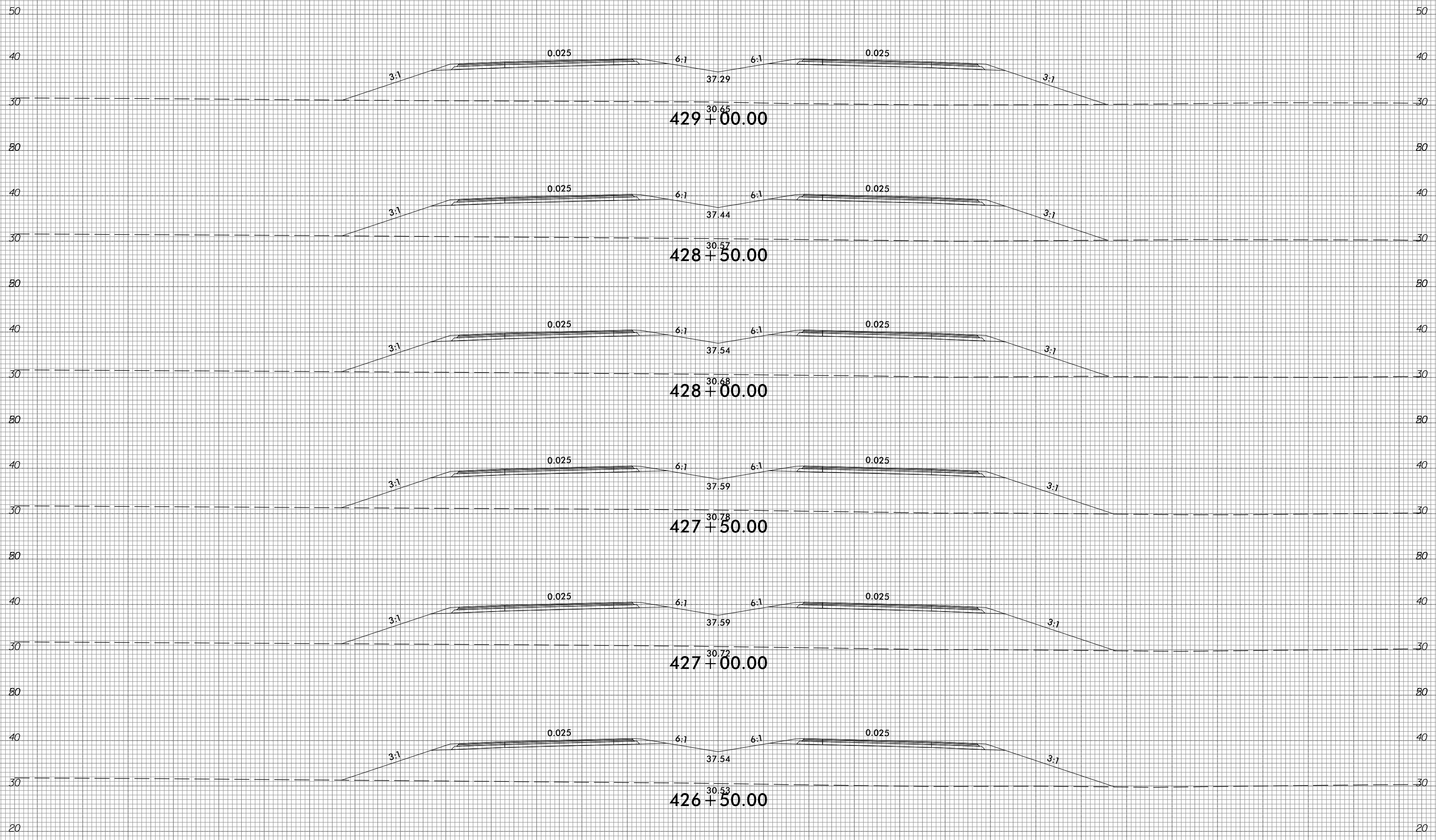
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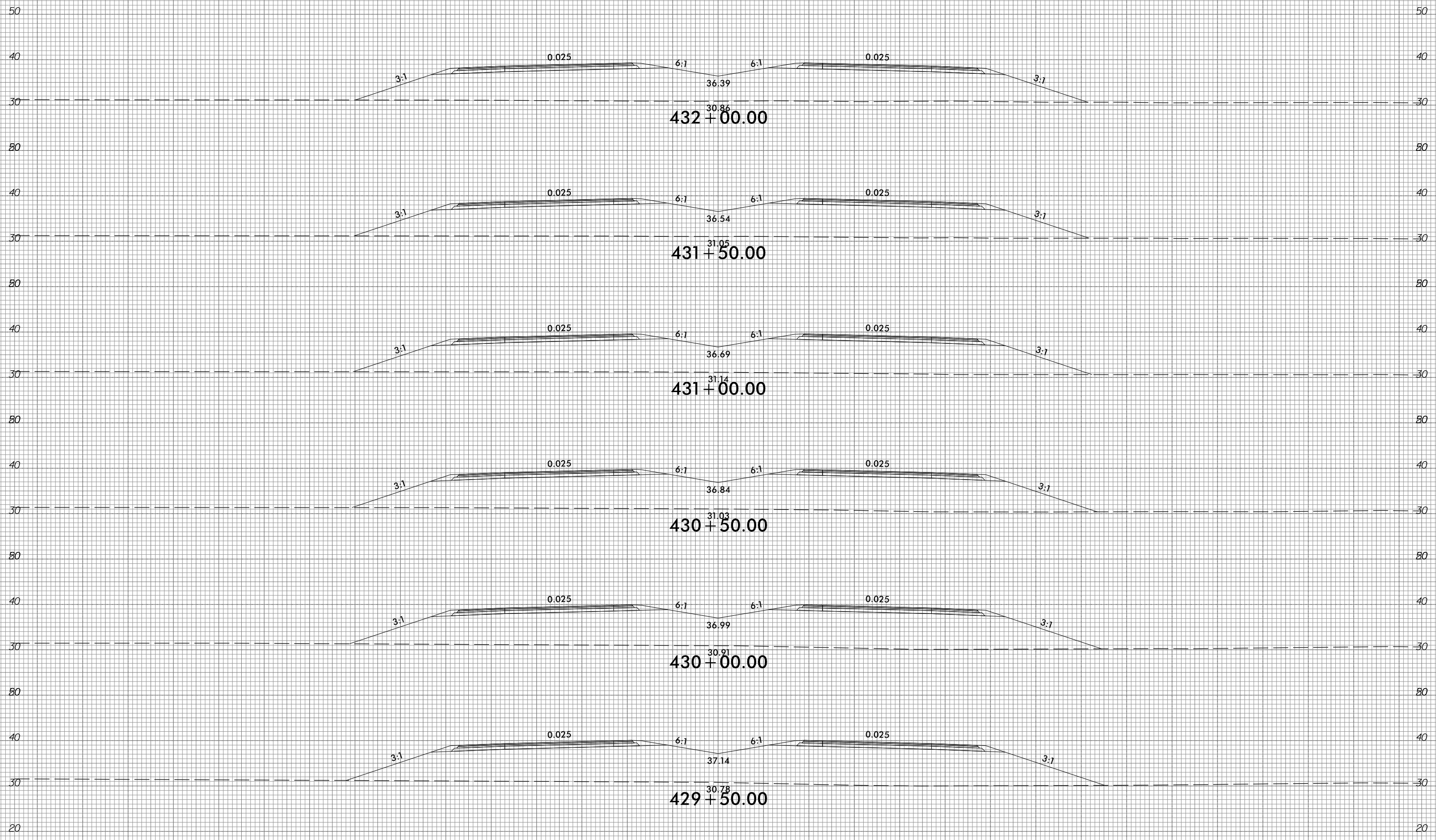
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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



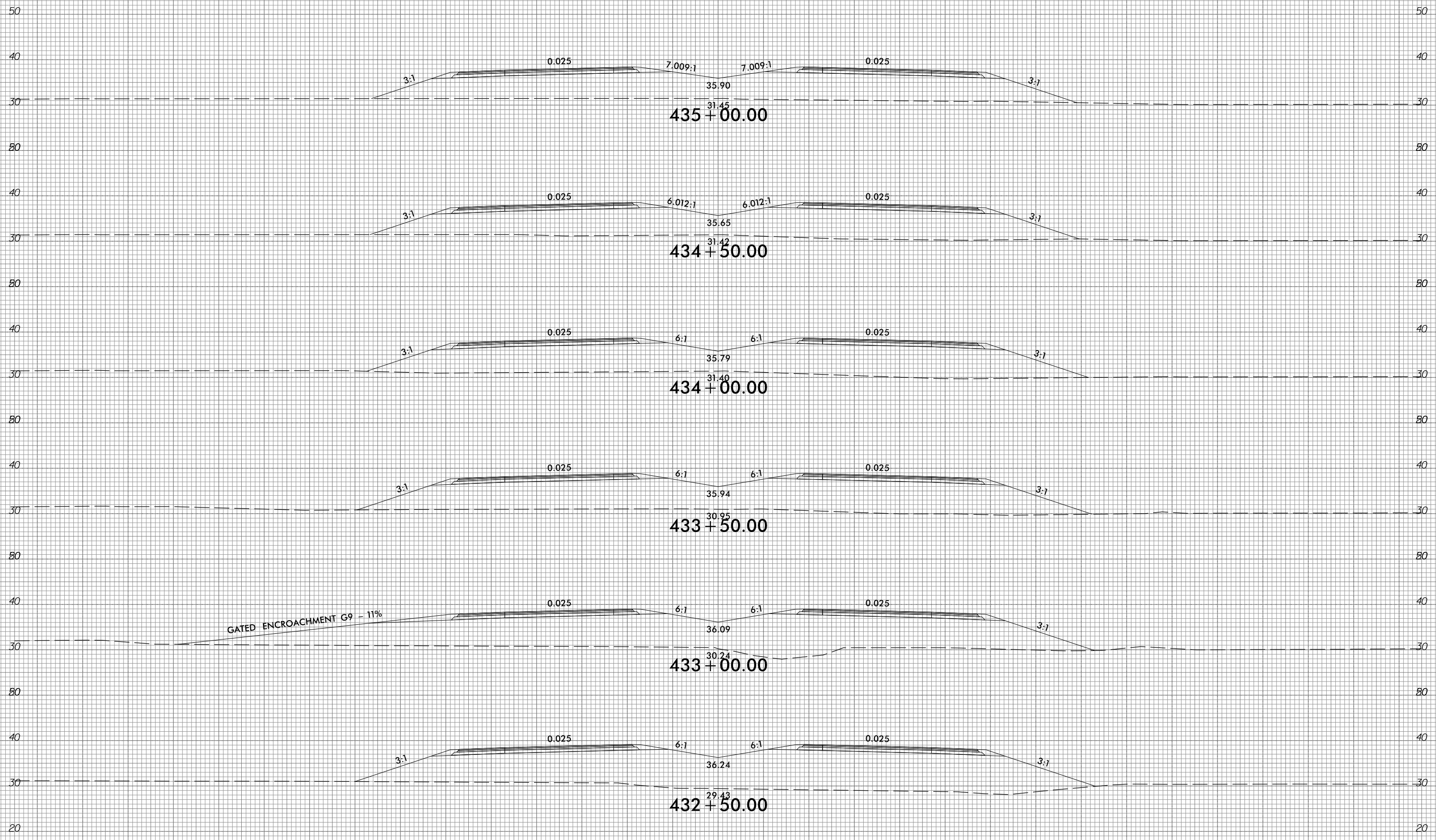
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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-195

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



GATED ENCROACHMENT G9 - 11%

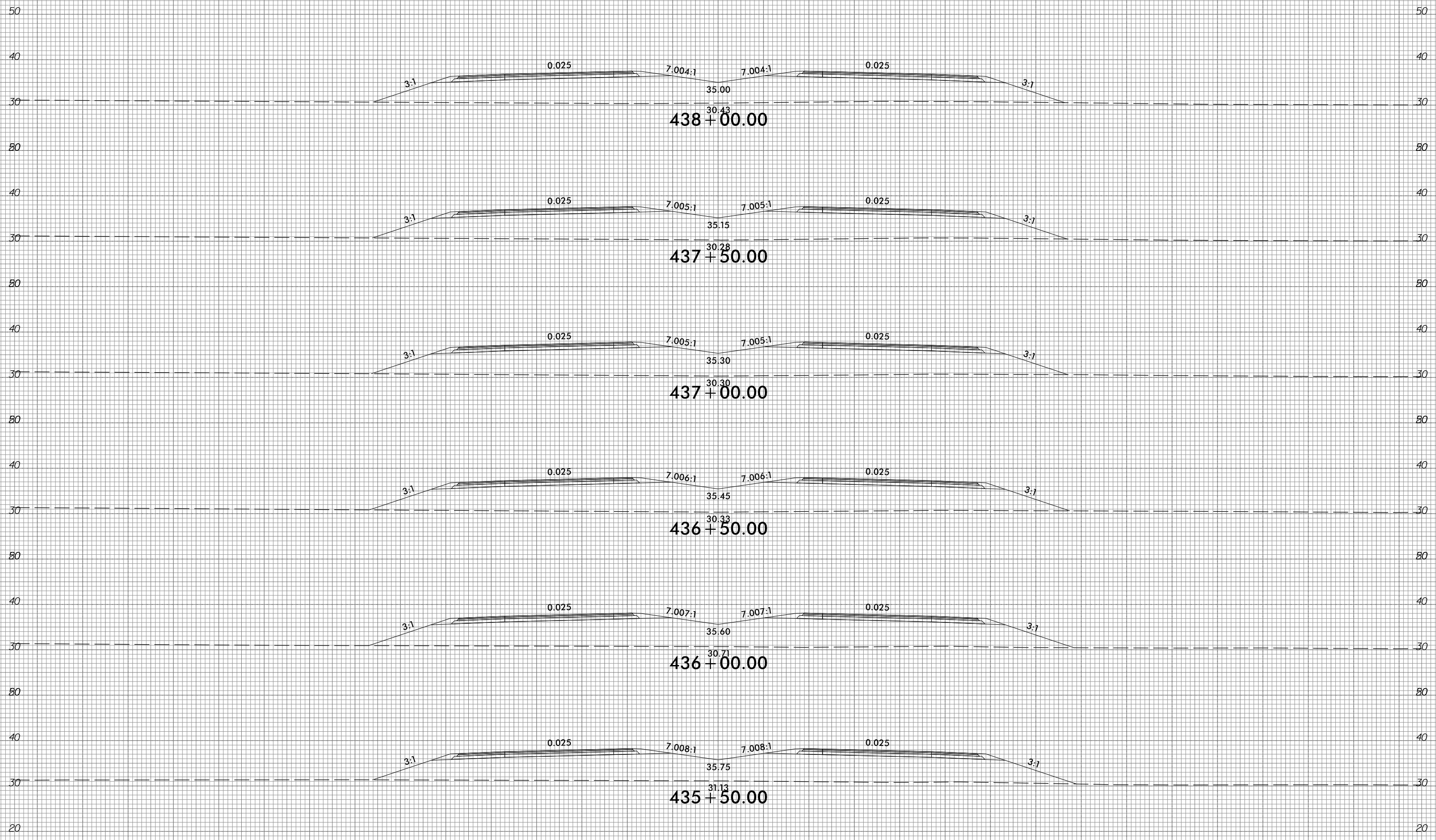
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 gmc31in

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





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



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

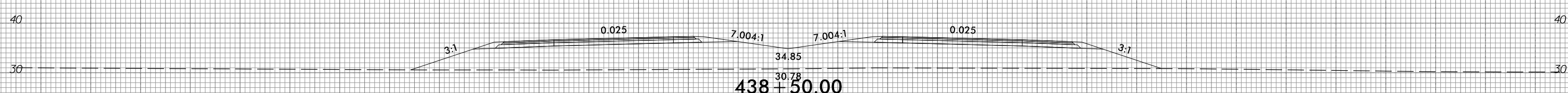
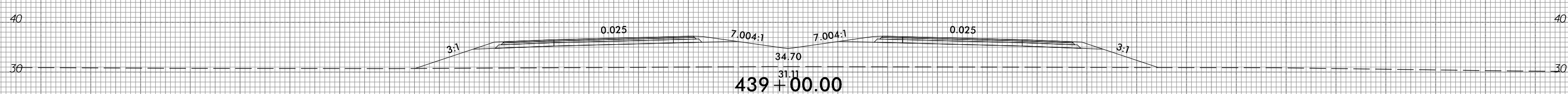
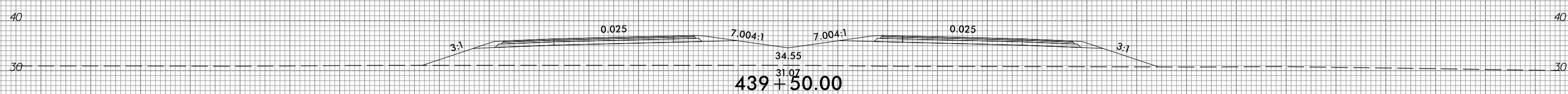
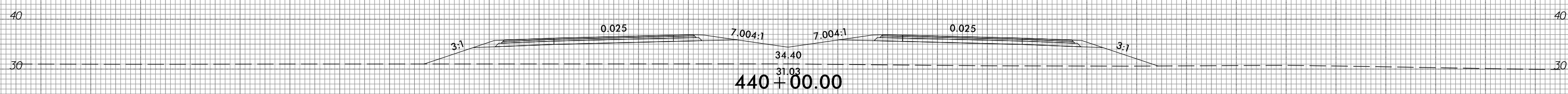
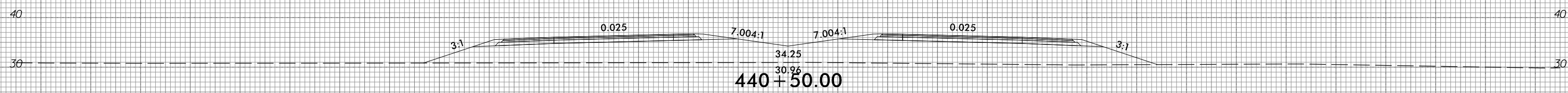
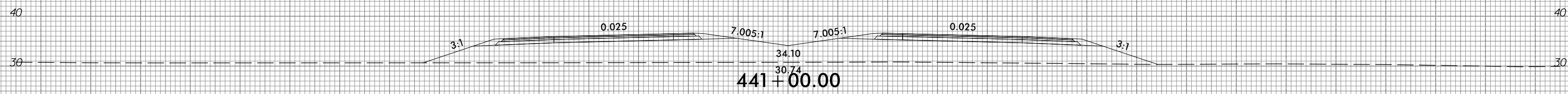
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-197

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

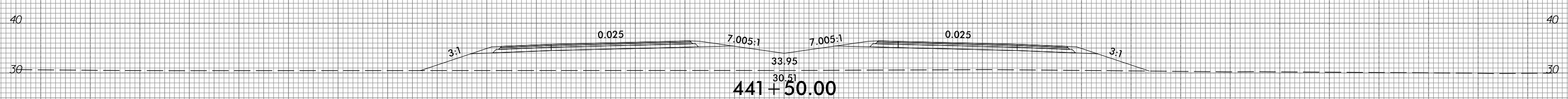
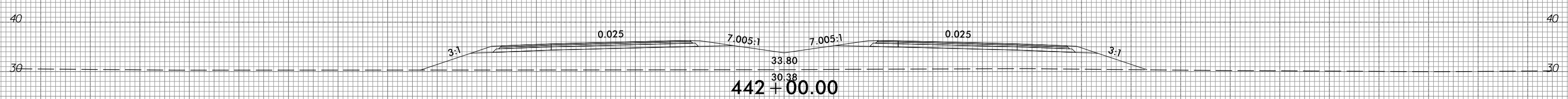
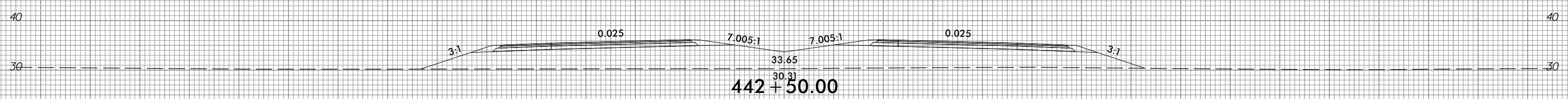
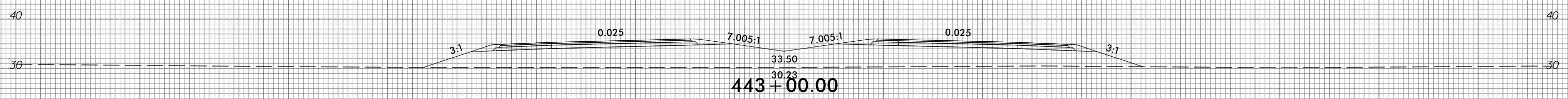
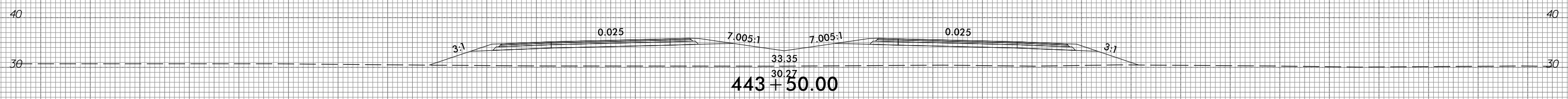
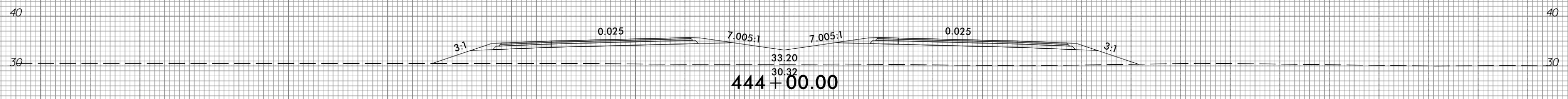
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gncdlin

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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-198

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



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

10/31/2018  
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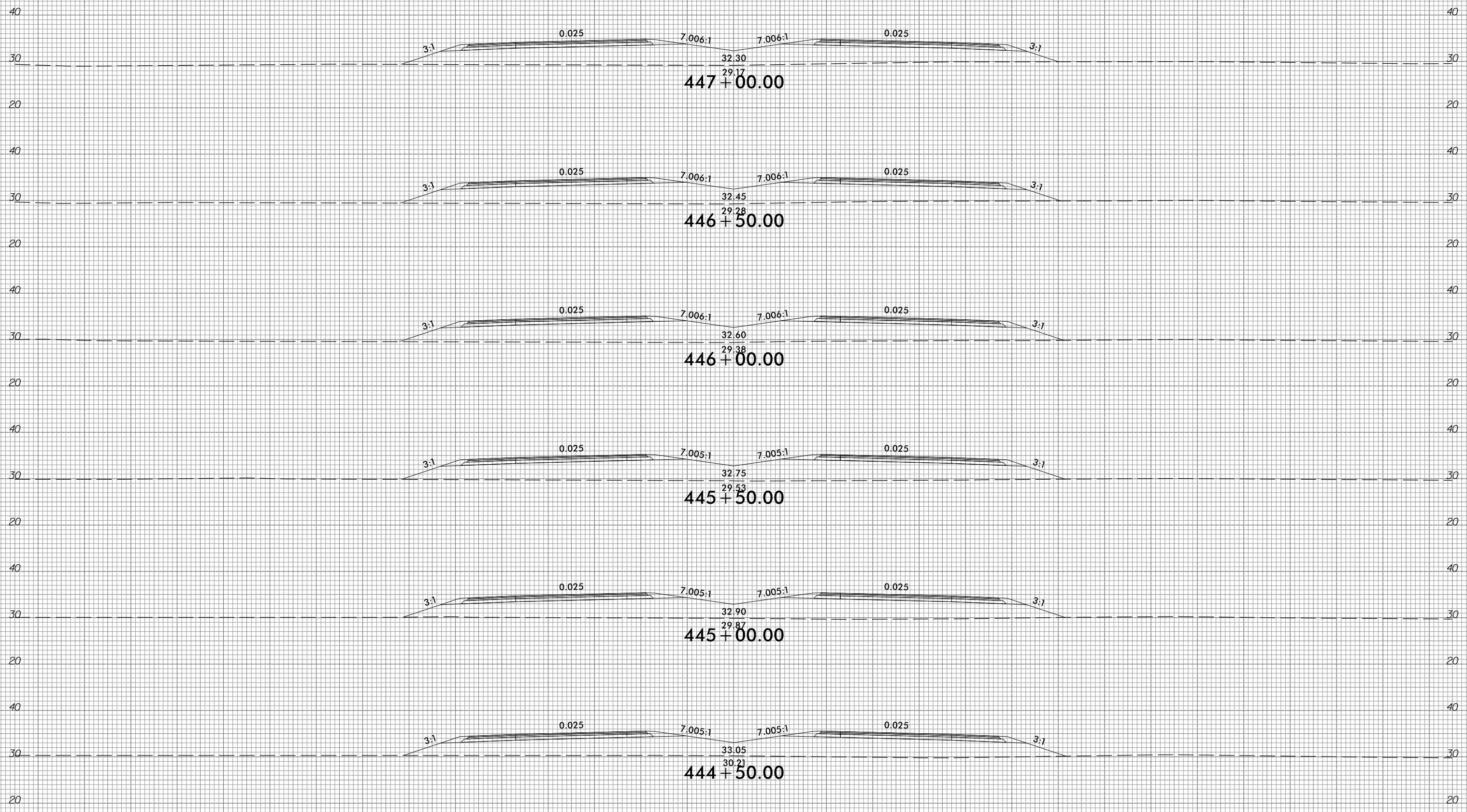
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-199

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G:\RA\9729-02\CADD\RA1015\Roadway\XSC\RA1015\_xp1.L.dgn  
gncdlin

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

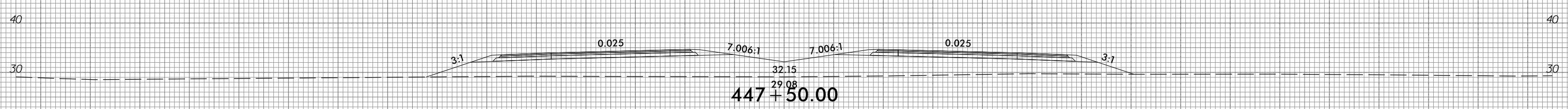
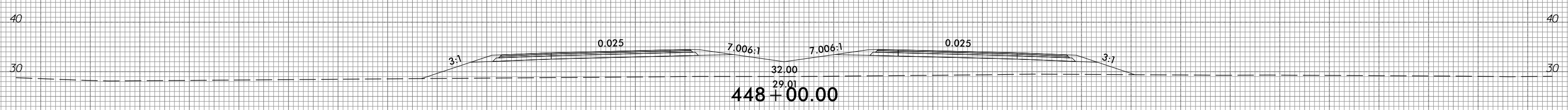
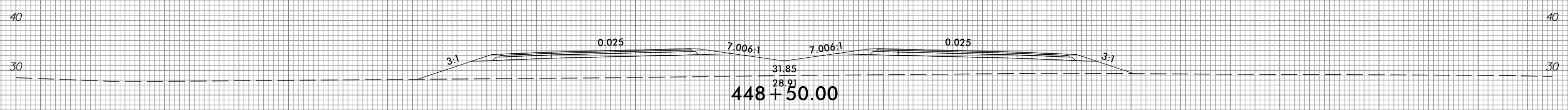
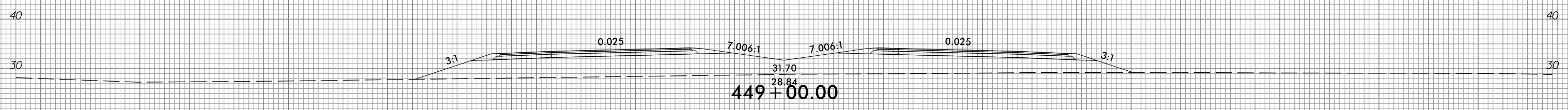
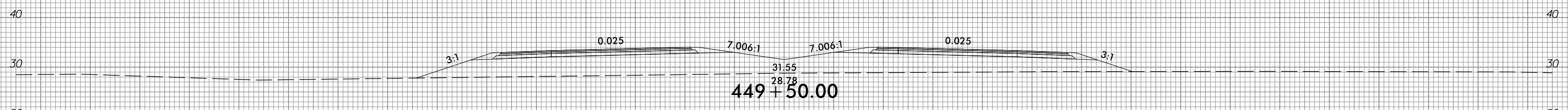
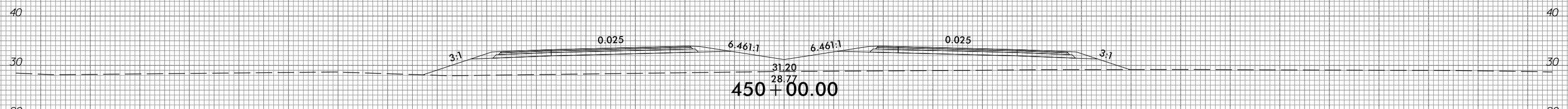
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-200

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

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gncdlin

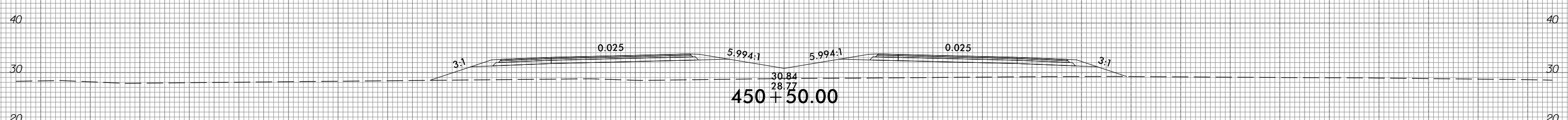
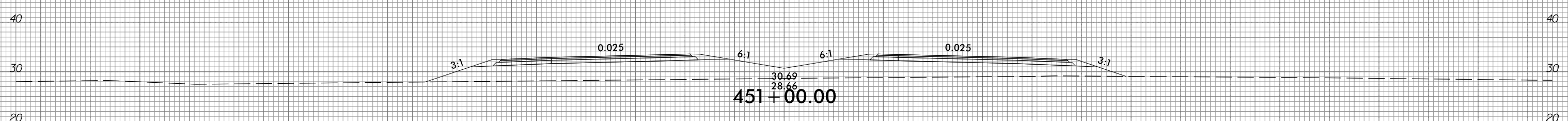
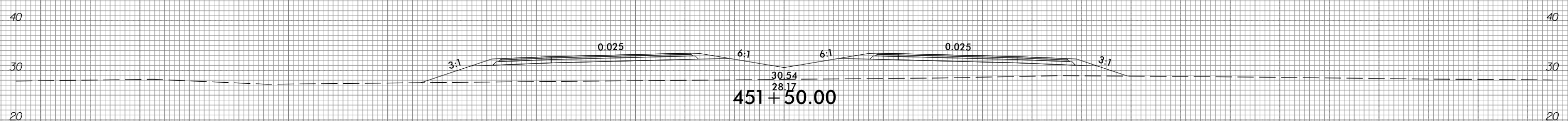
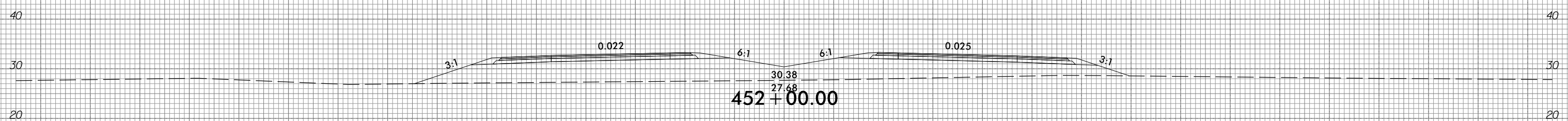
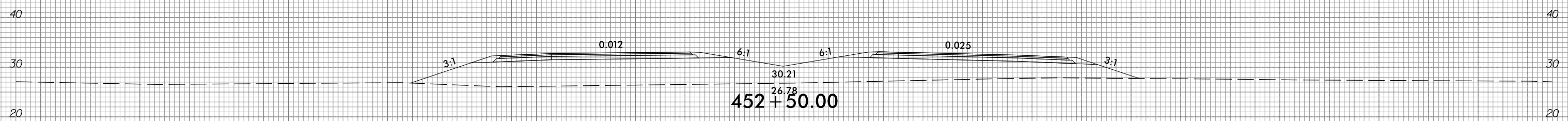
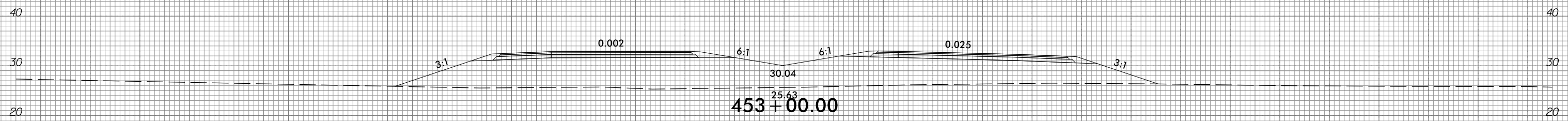
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-201

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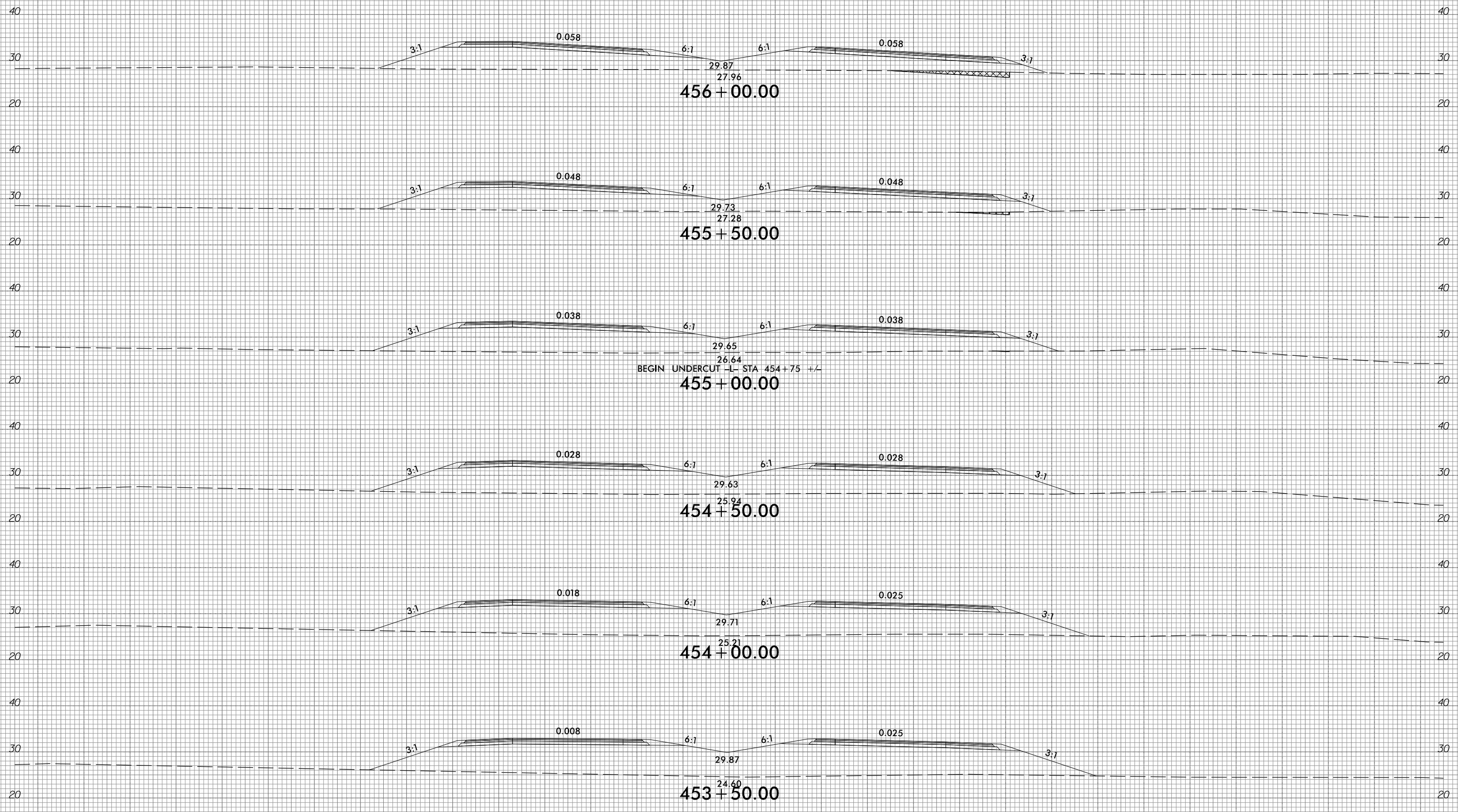


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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



PROPOSED UNDERCUT



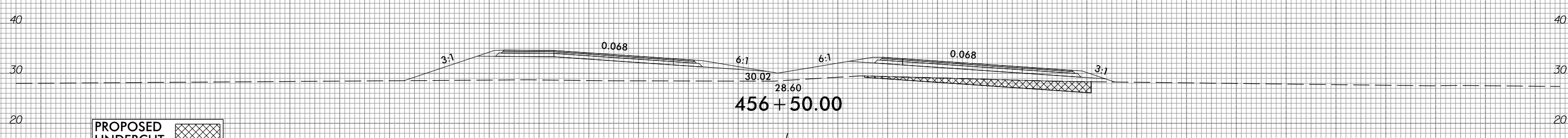
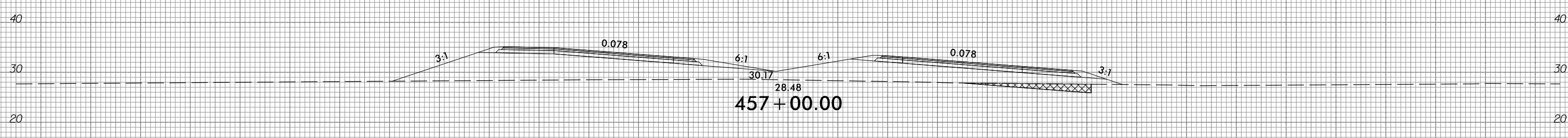
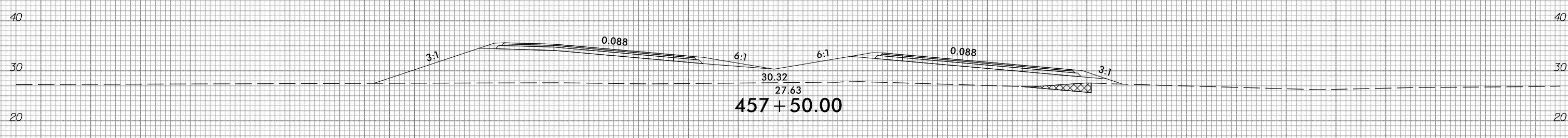
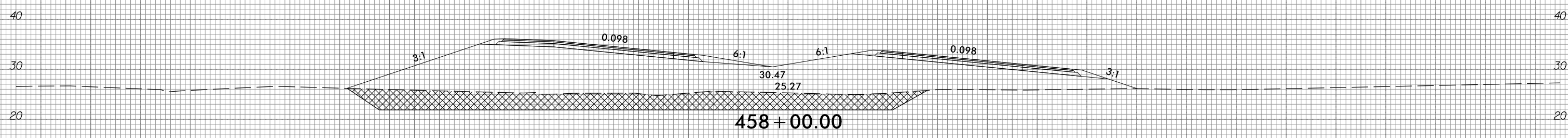
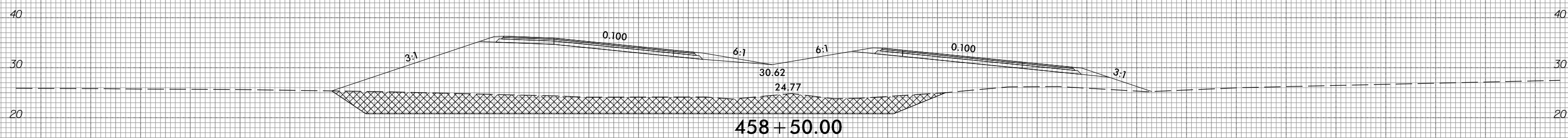
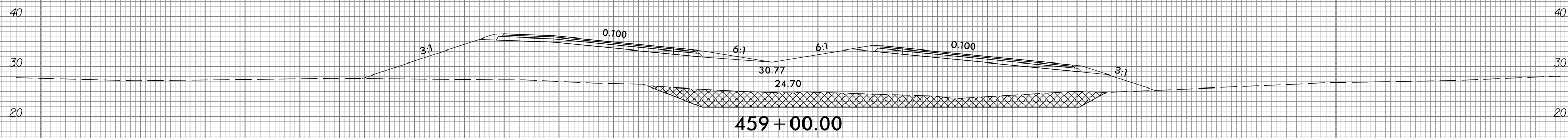
6/23/16



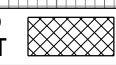
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-203

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PROPOSED UNDERCUT



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

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gncdlin



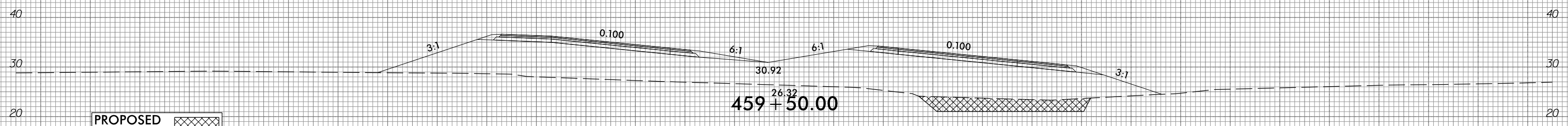
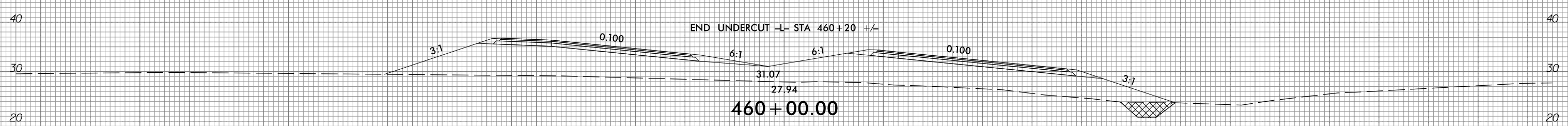
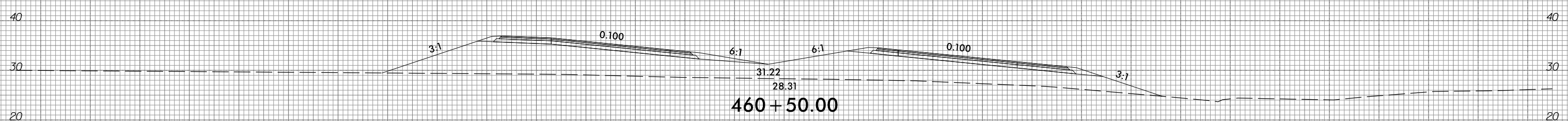
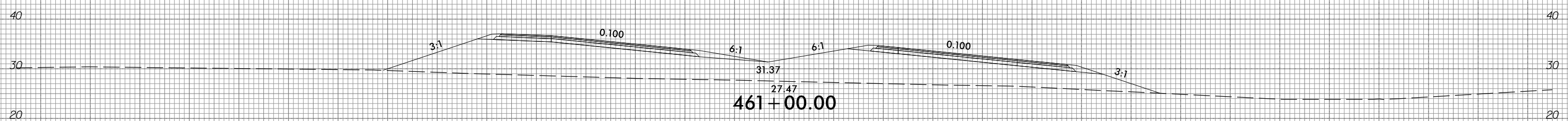
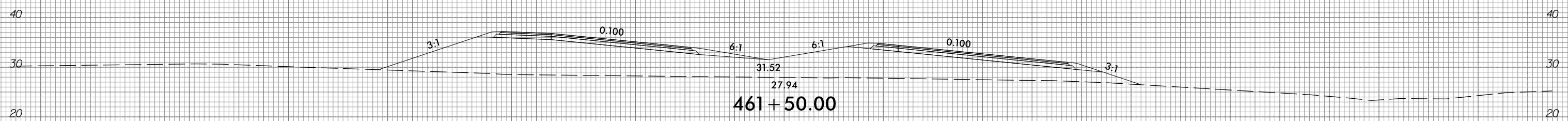
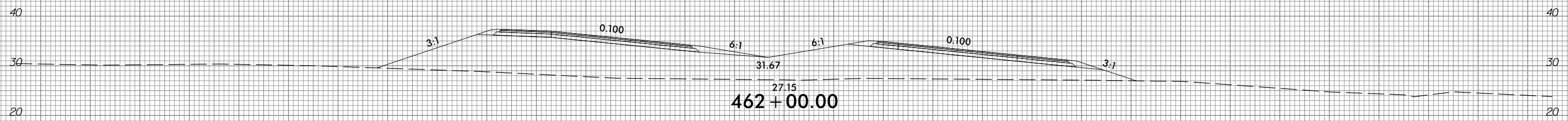
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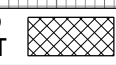
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-204

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PROPOSED UNDERCUT



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

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gmc311

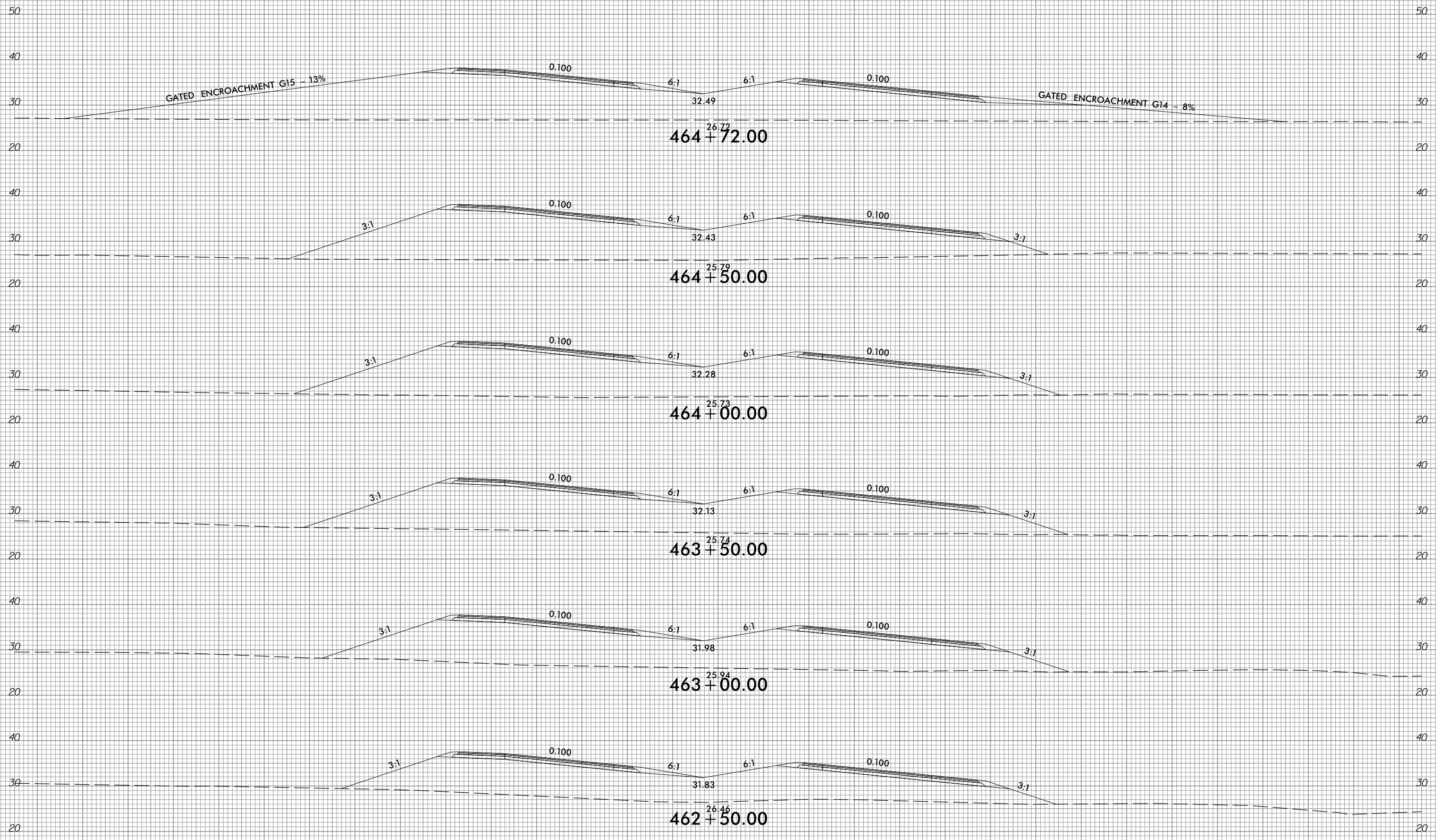
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-205

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gncd11

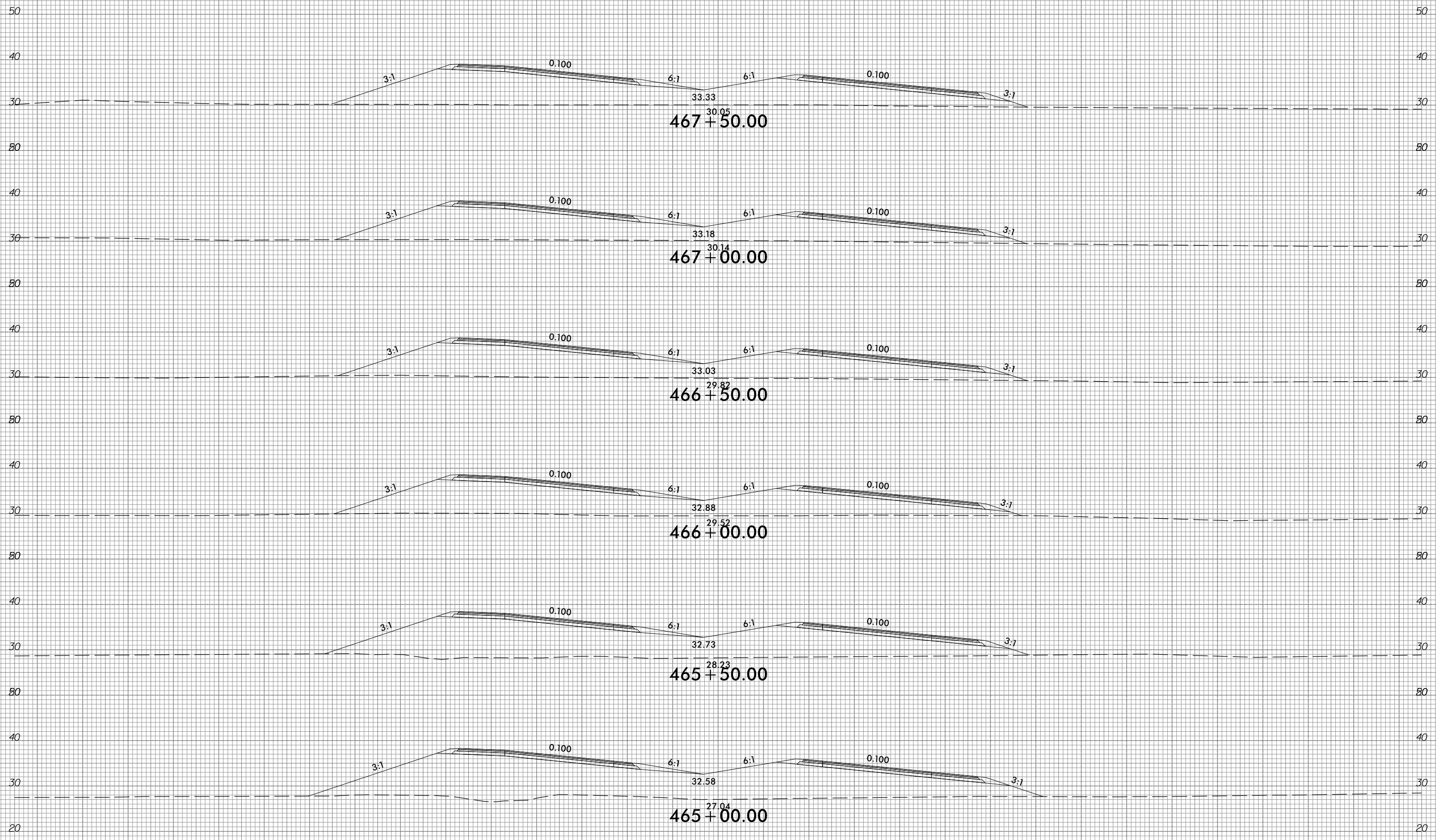
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-206

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



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

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gncdlin

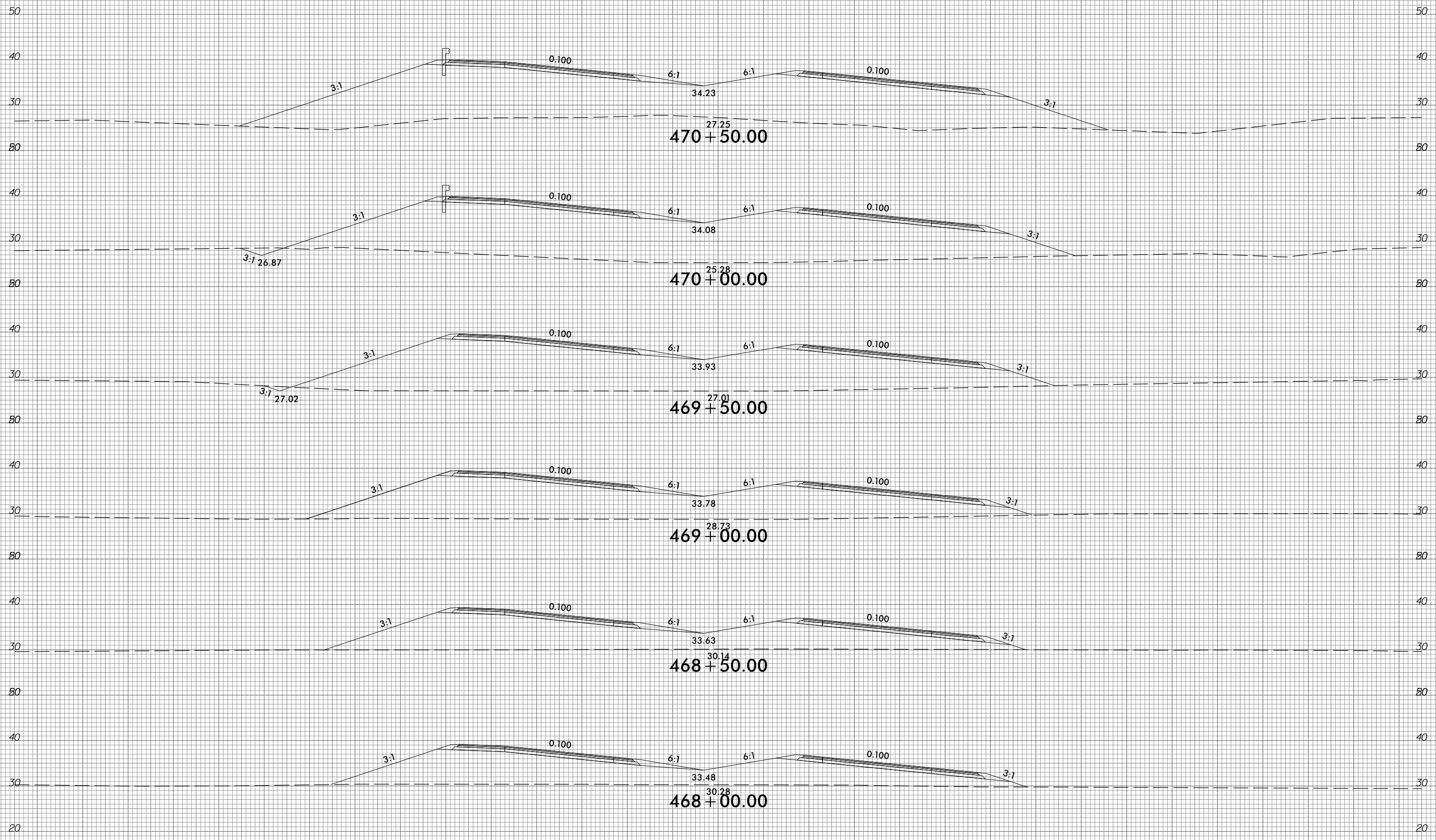
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-207

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



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

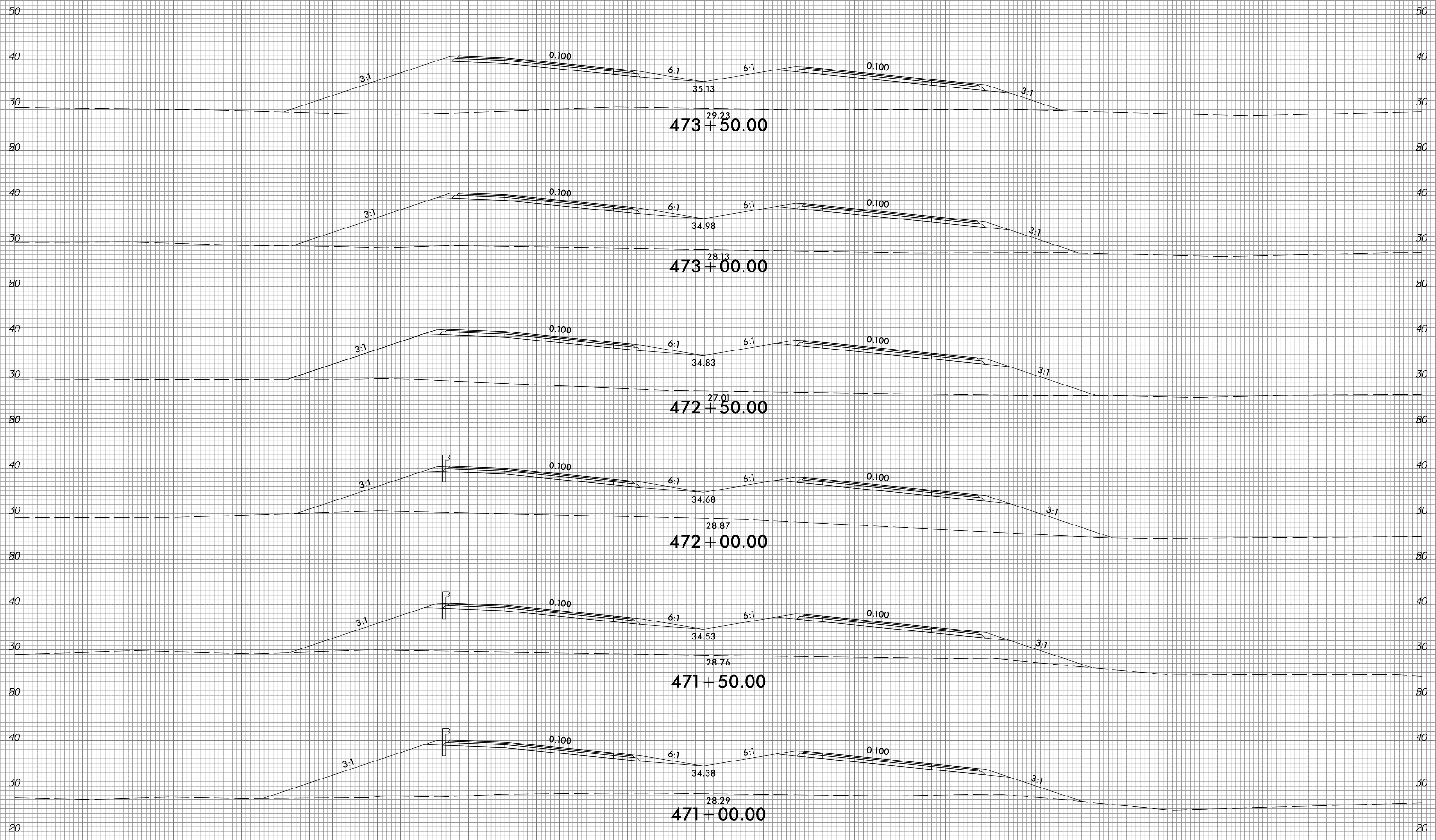
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-208

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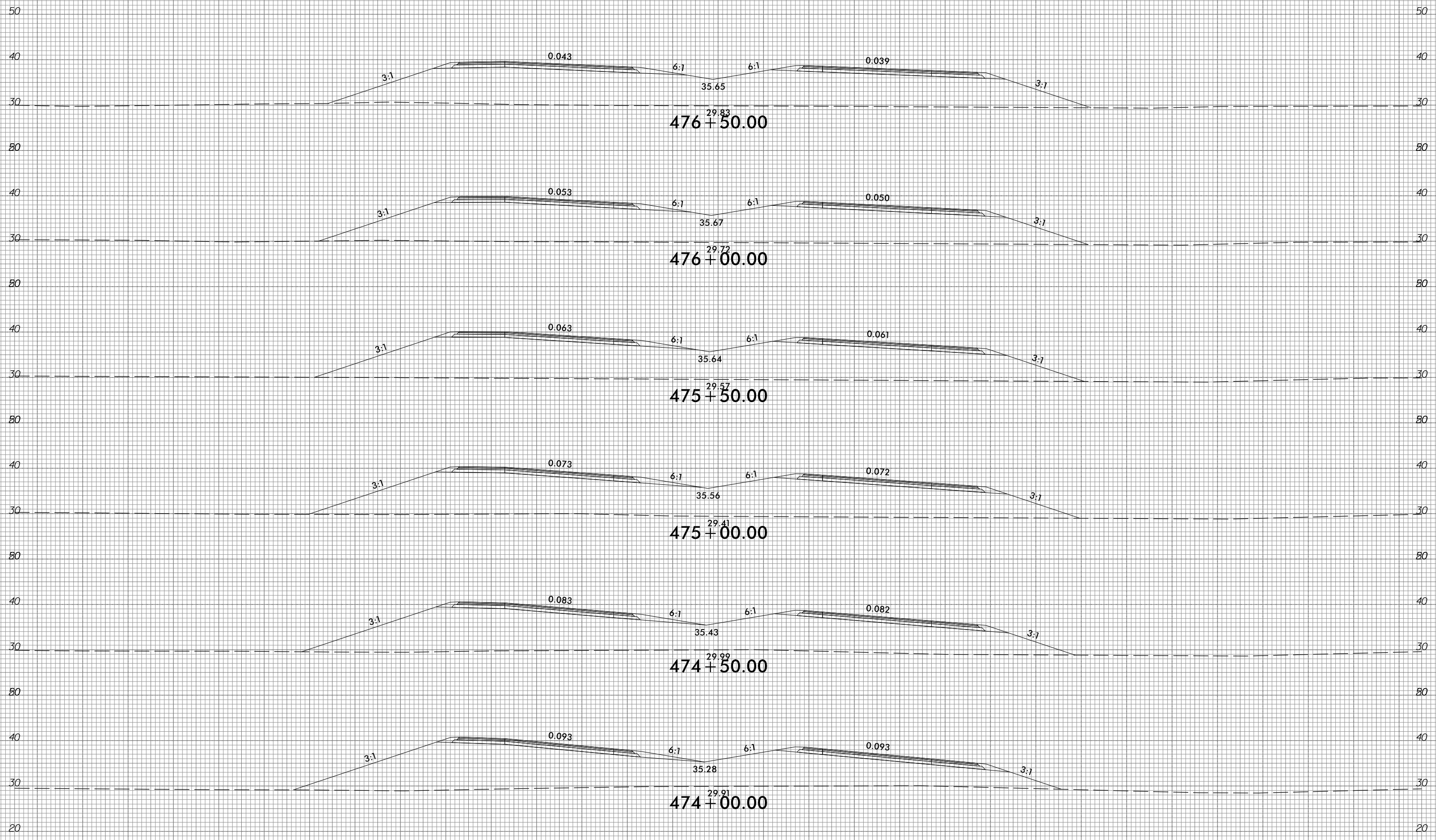


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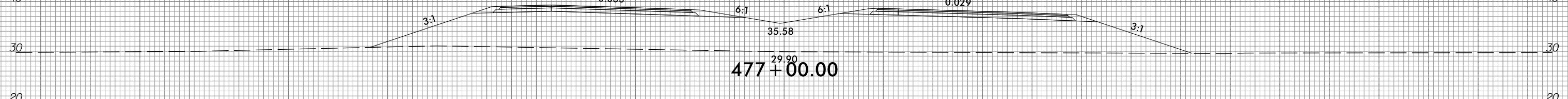
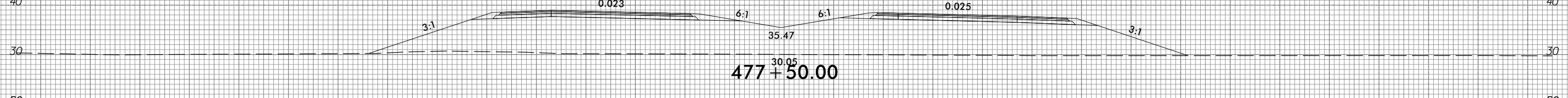
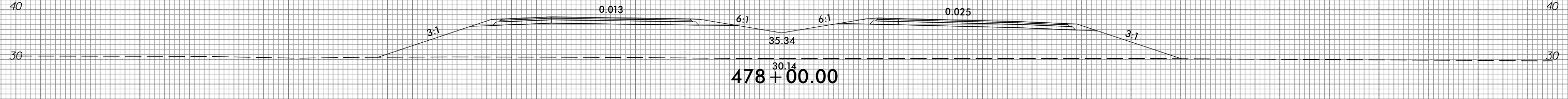
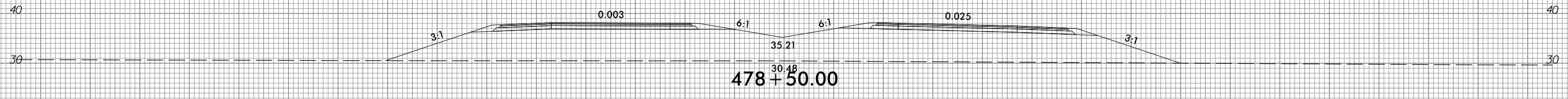
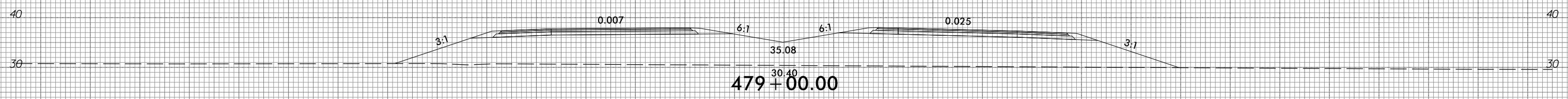
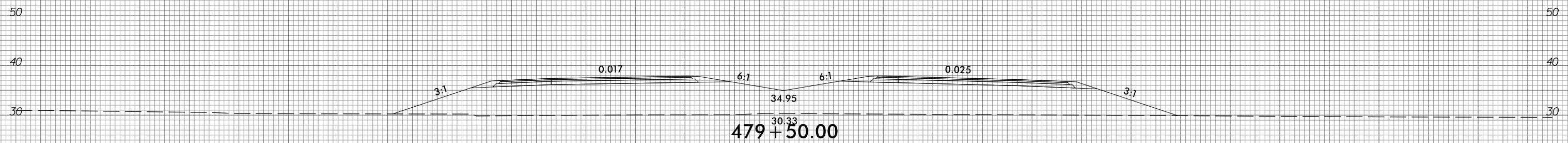
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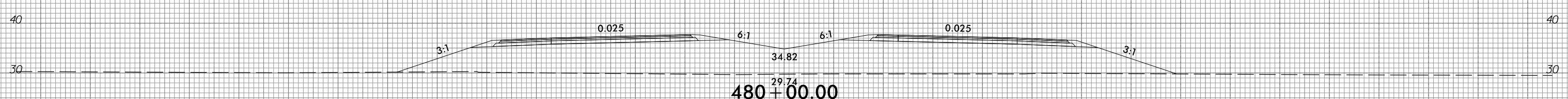
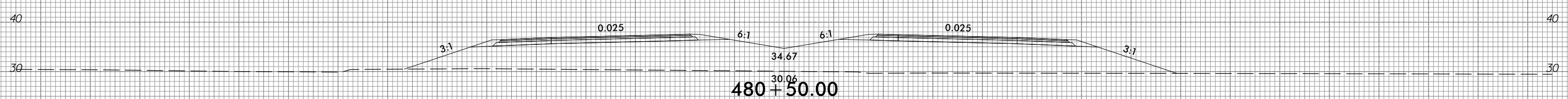
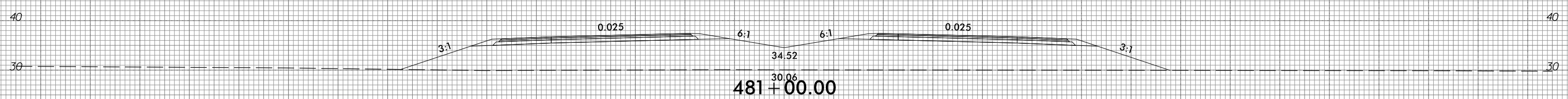
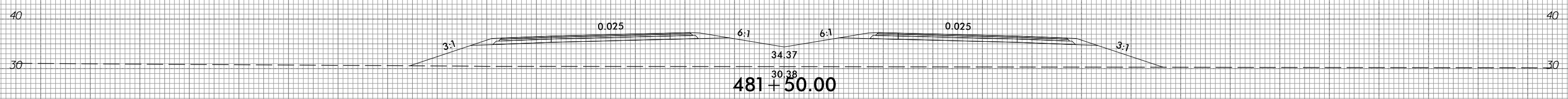
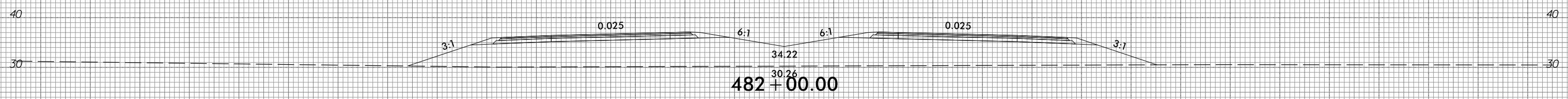
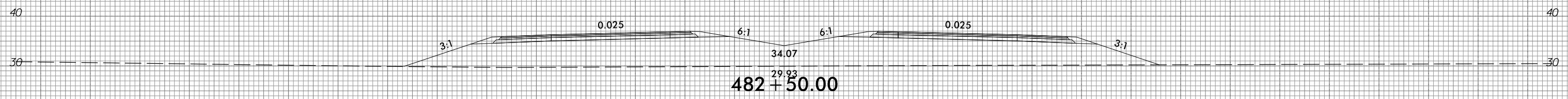
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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-211

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



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

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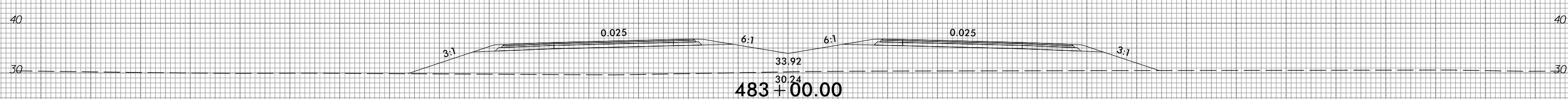
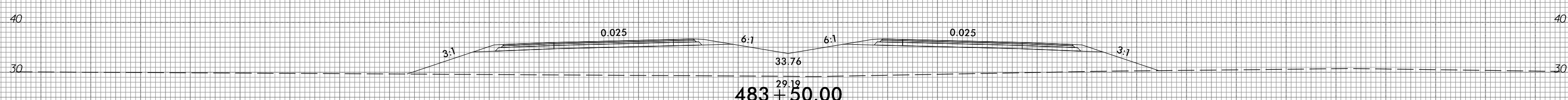
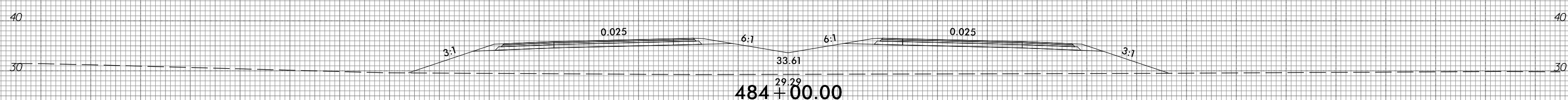
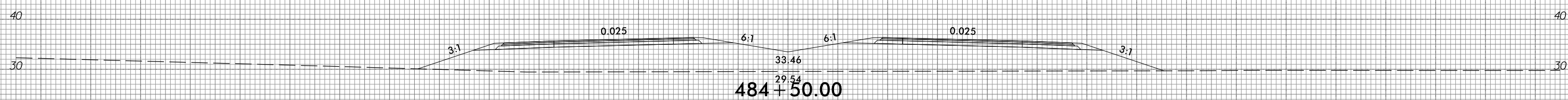
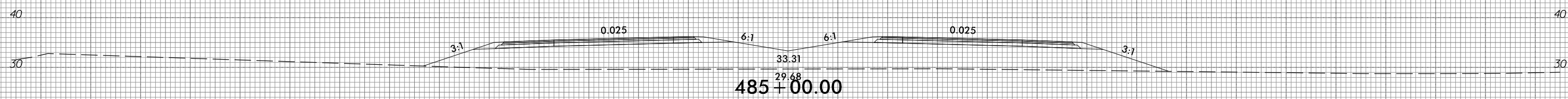
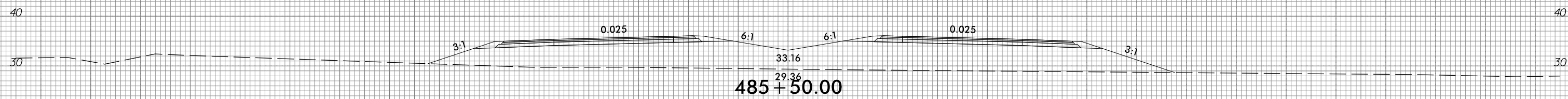
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-212

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



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

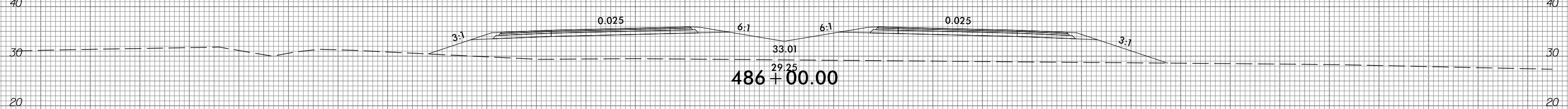
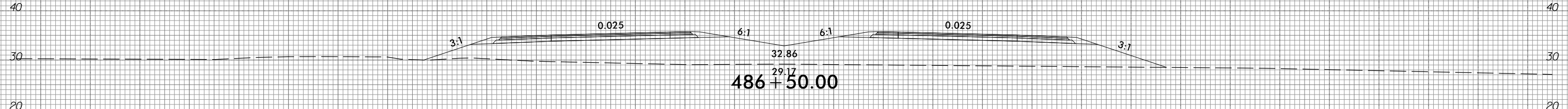
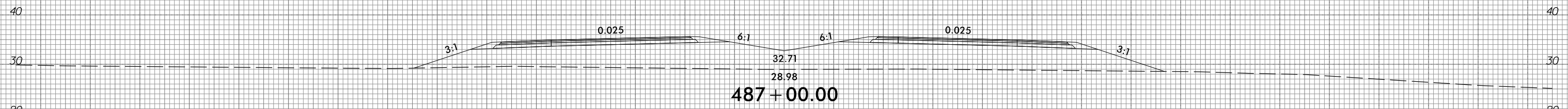
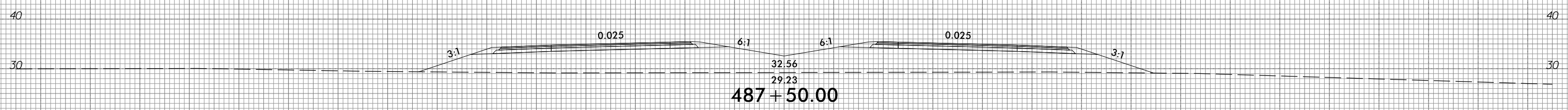
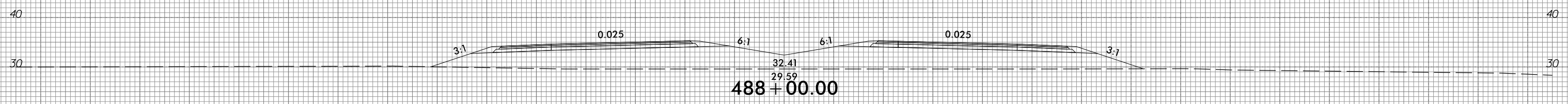
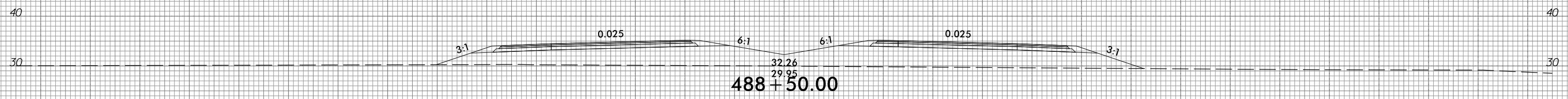
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-213

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



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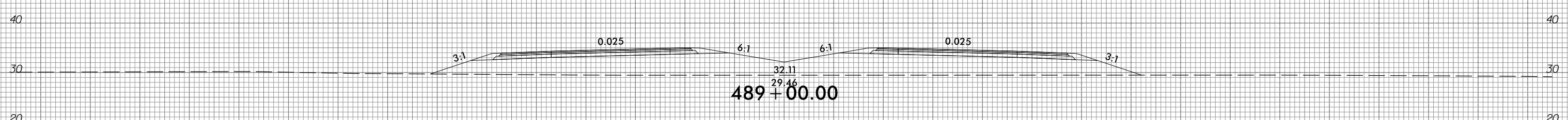
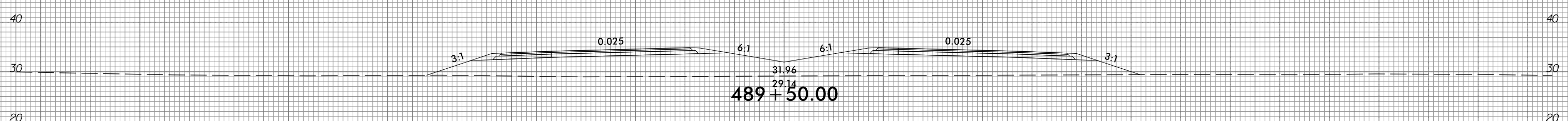
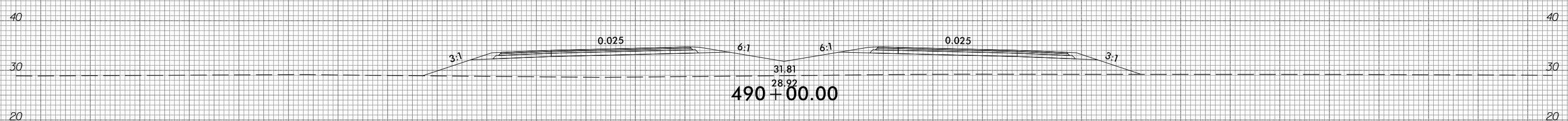
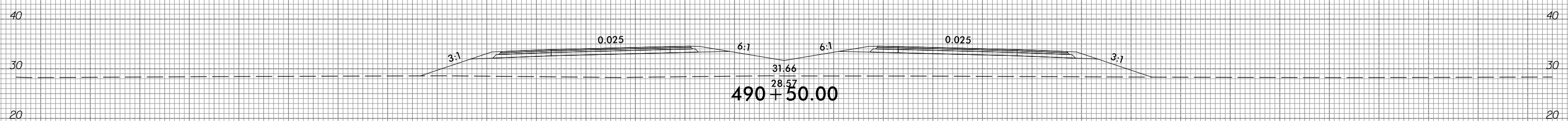
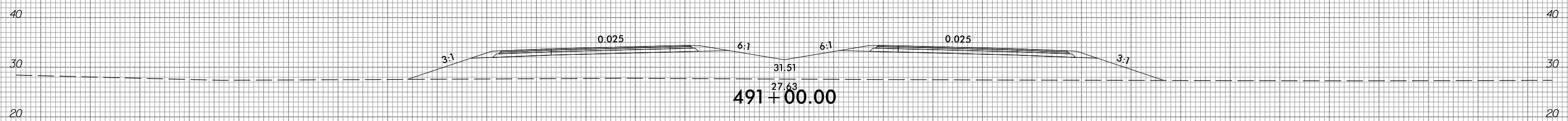
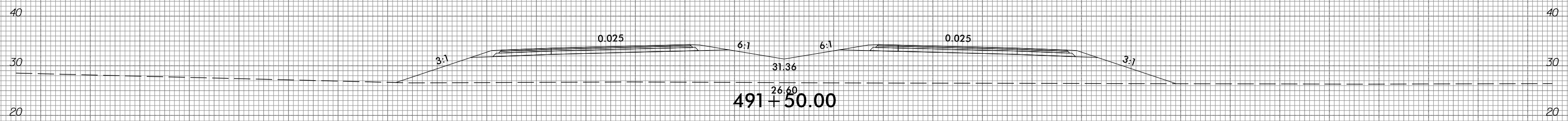
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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-214

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



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

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 gmc311

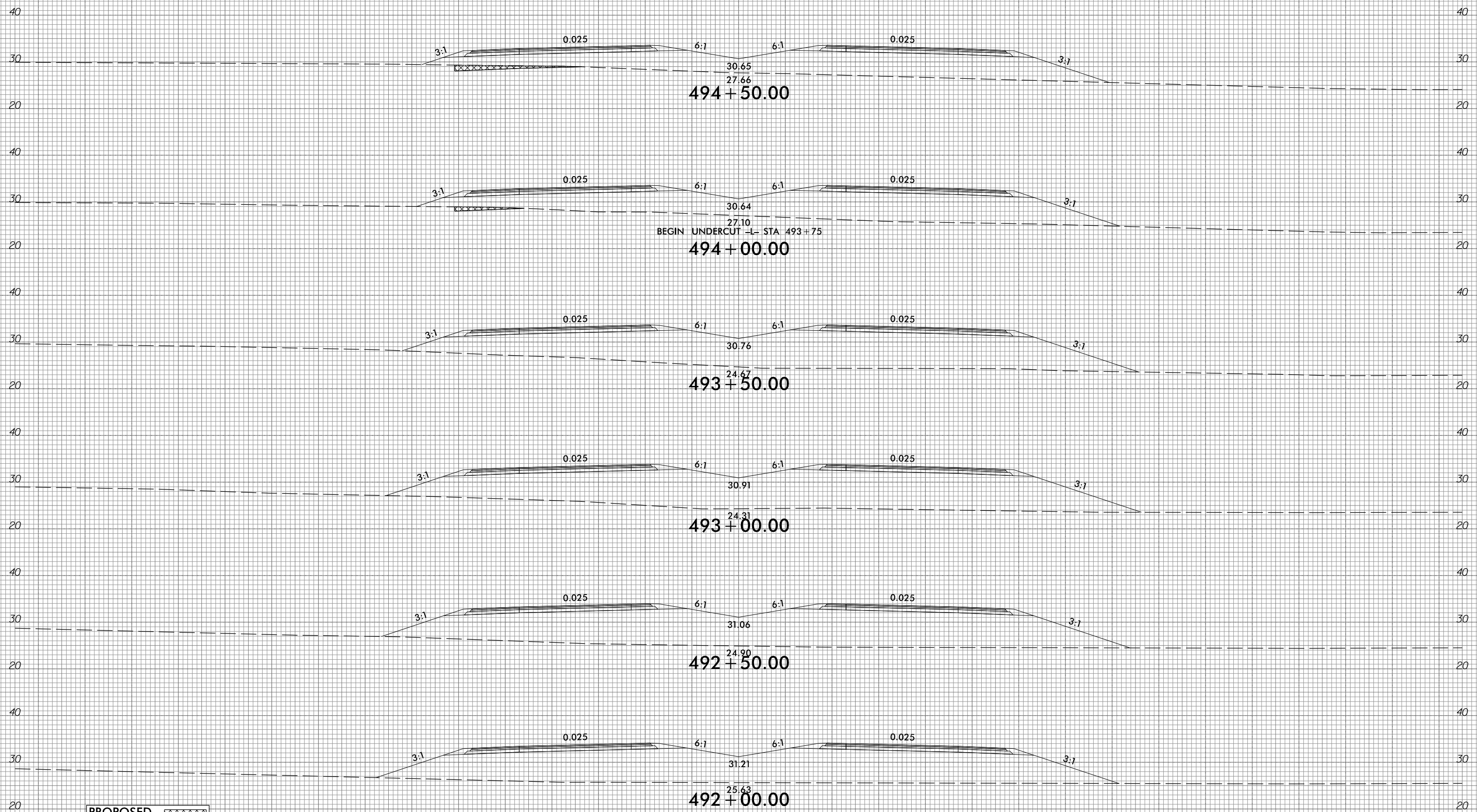
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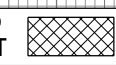
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-215

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



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

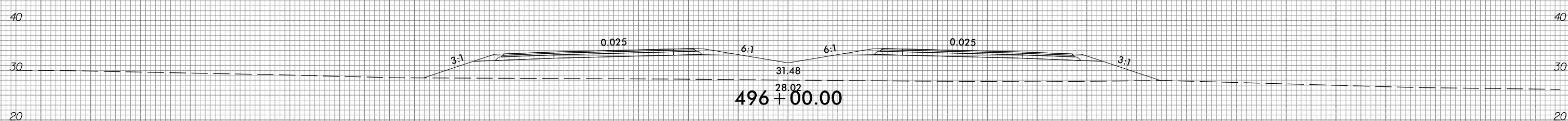
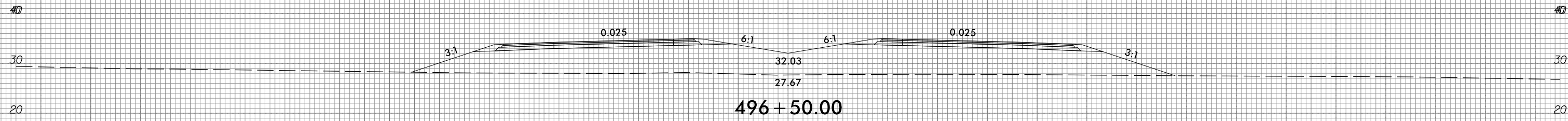
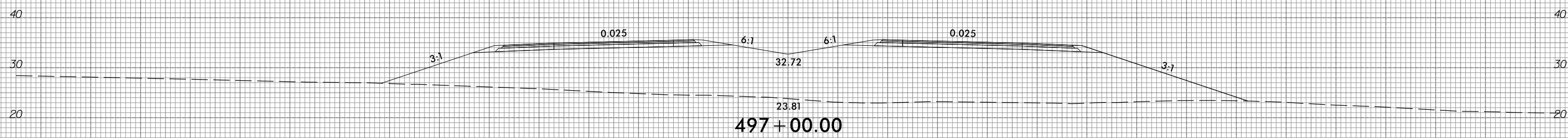
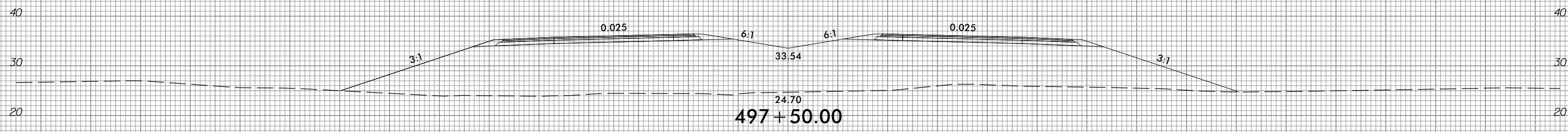
6/23/16



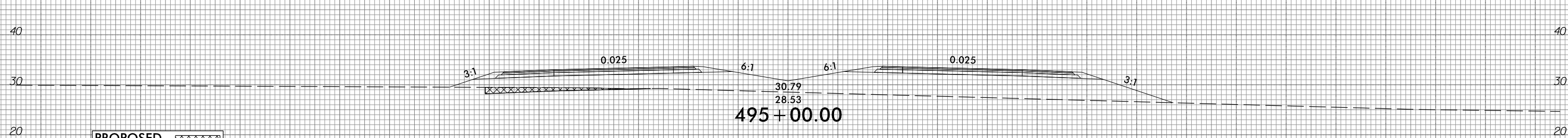
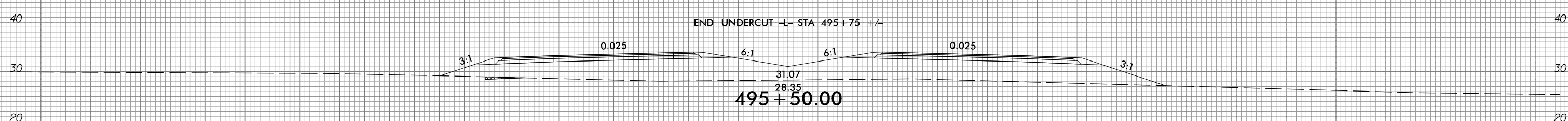
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-216

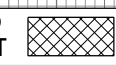
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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PROPOSED UNDERCUT



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

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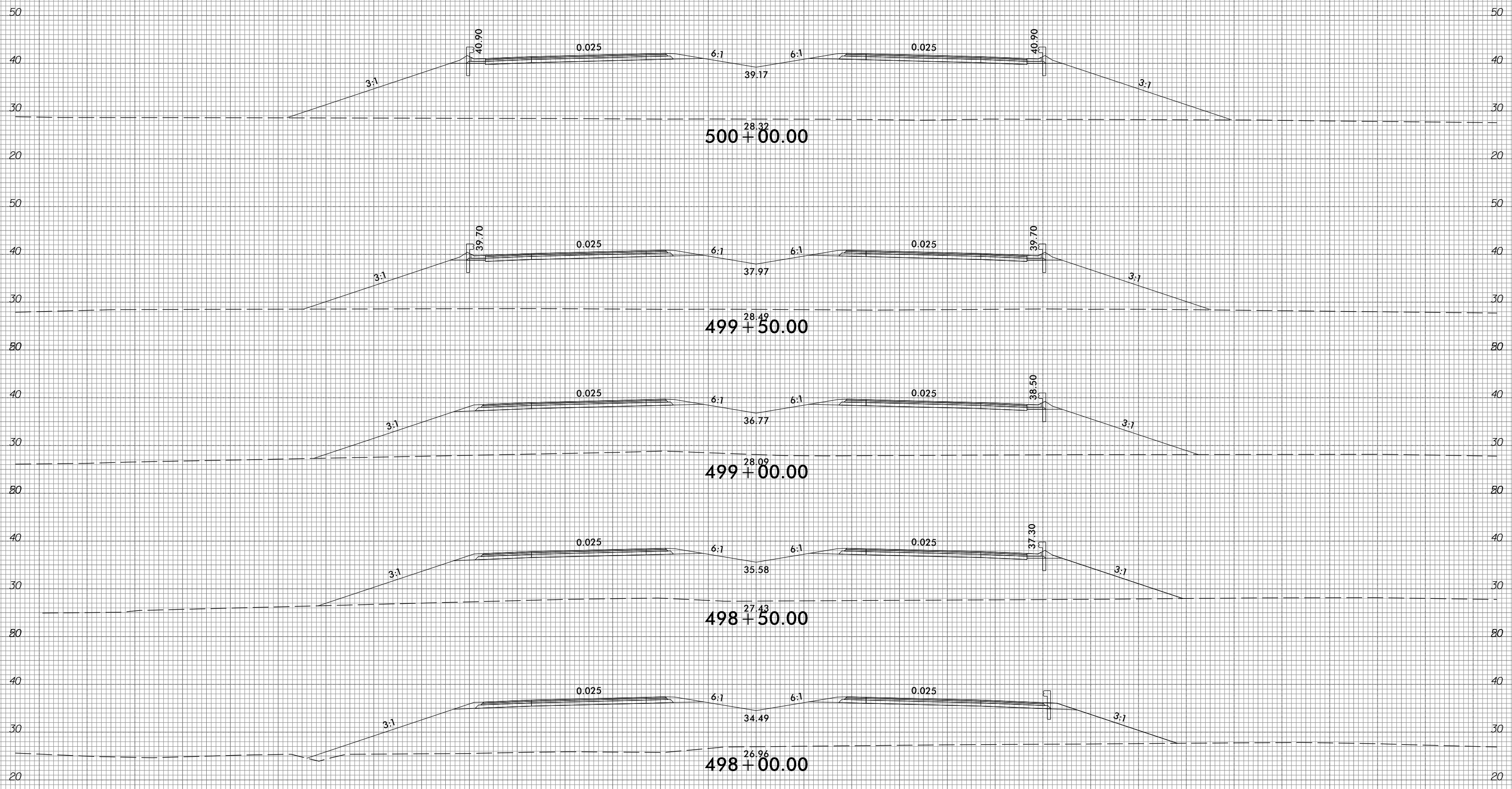
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-217

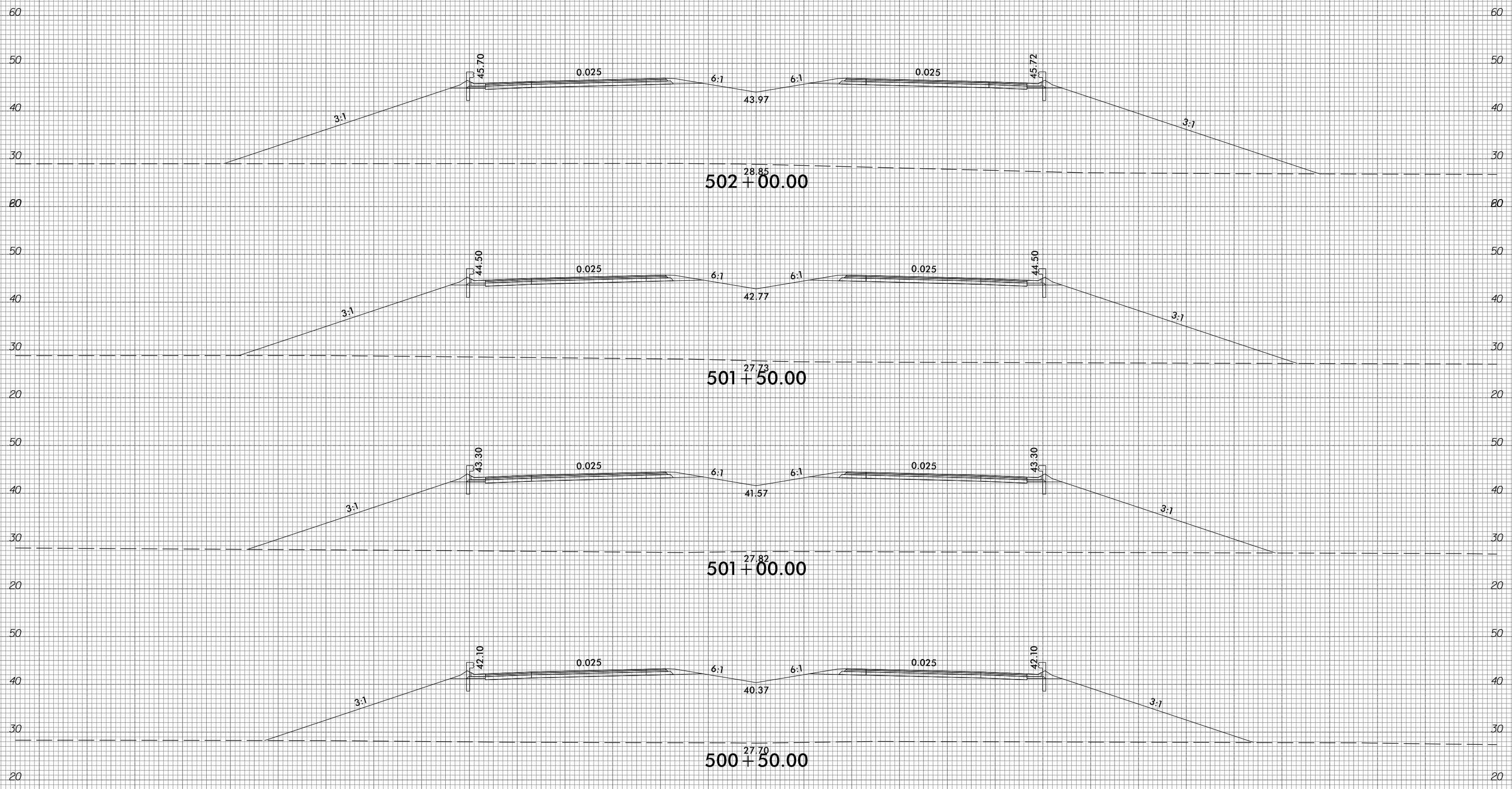
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gncdlin

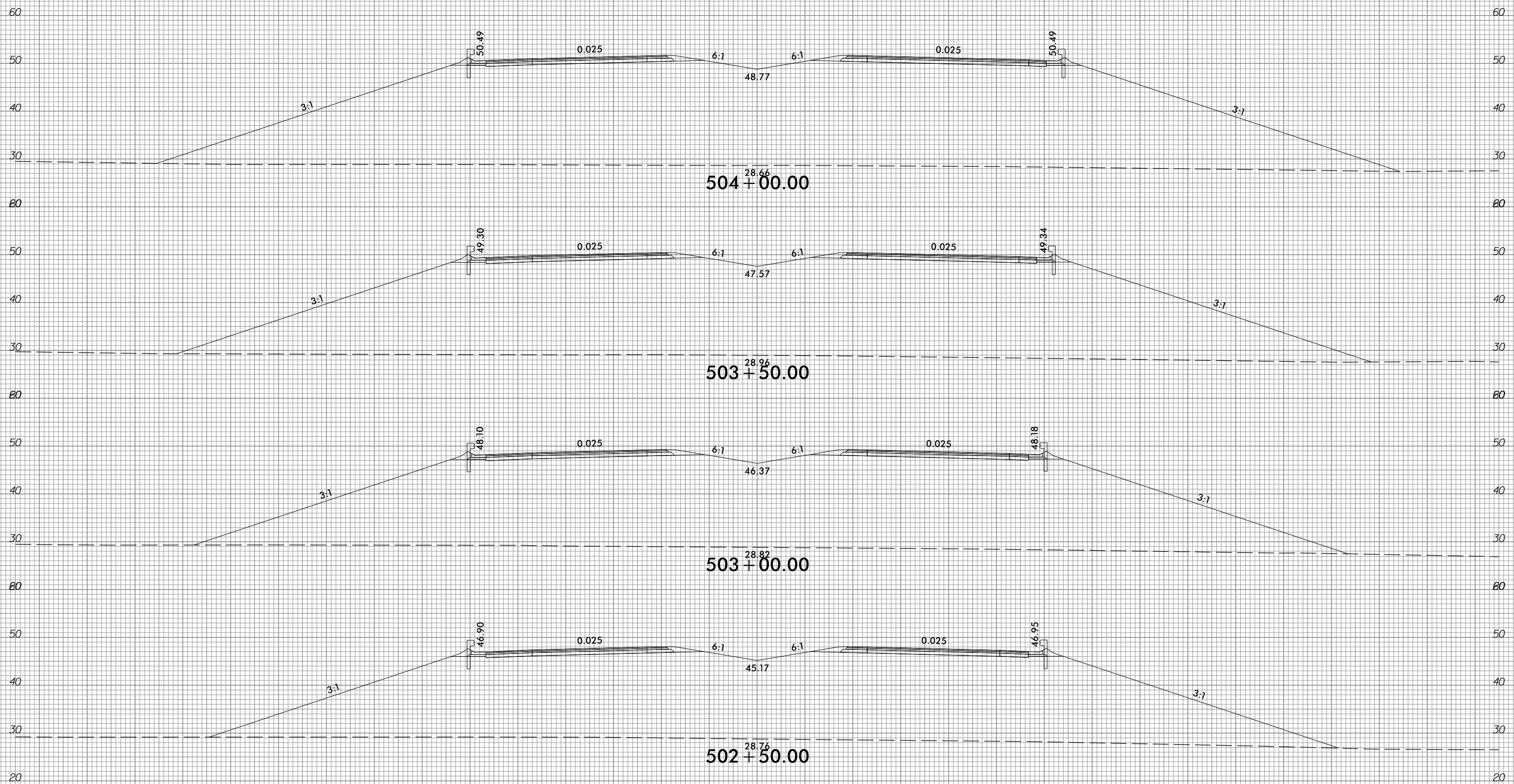
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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



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



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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-220



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gncdlin

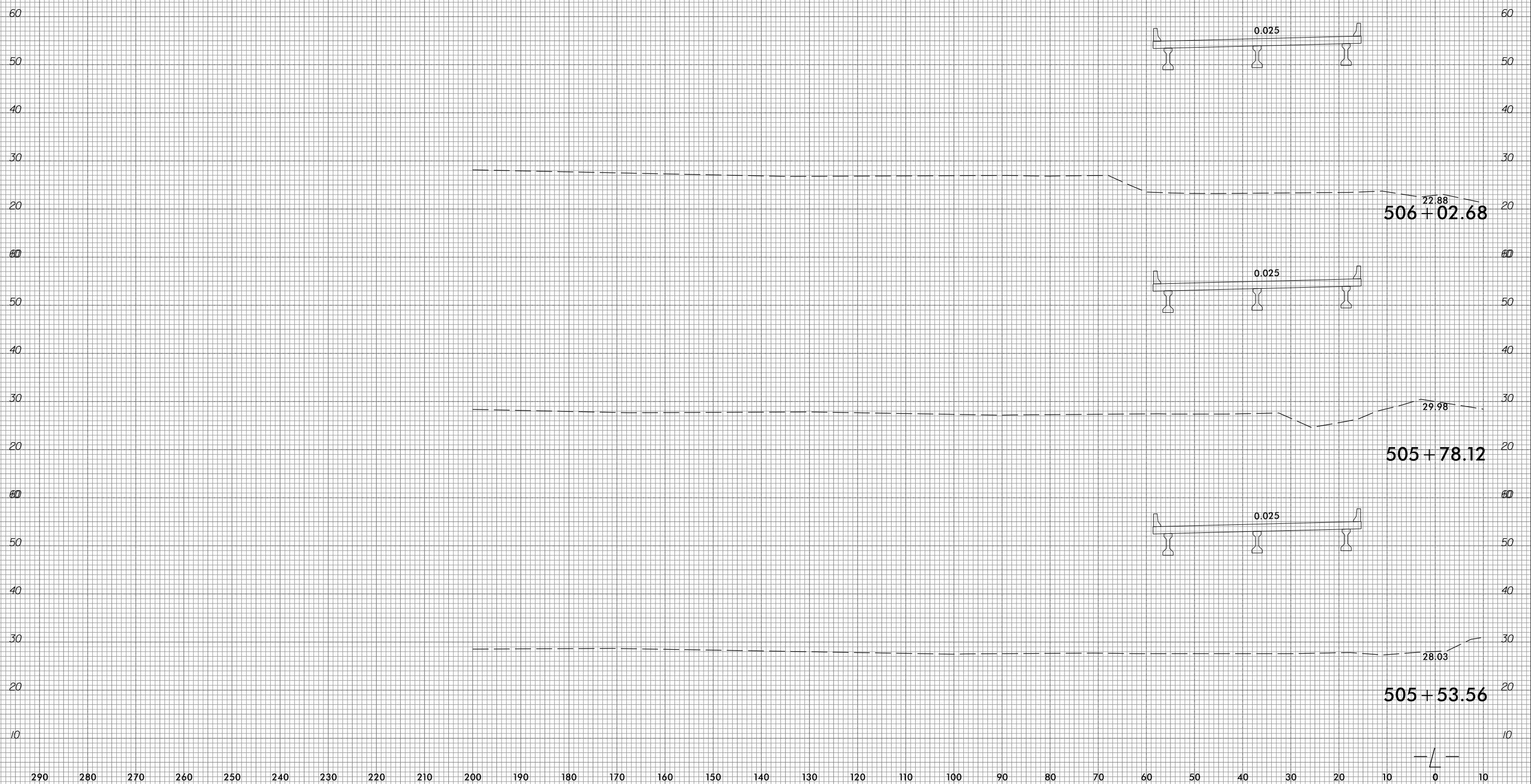
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-221

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



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gncdjin

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

6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-222

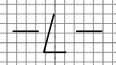
290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10



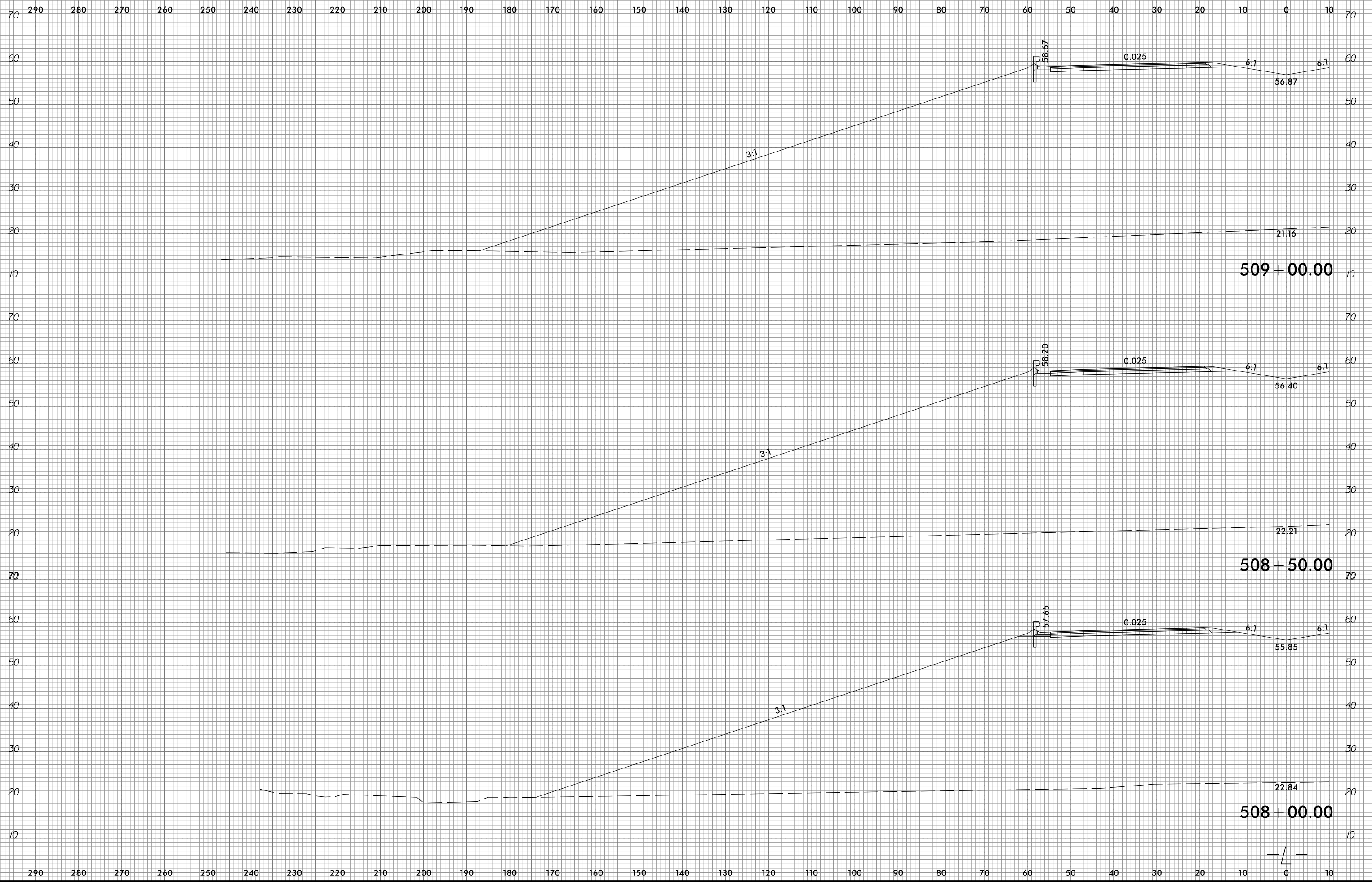
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**507+50.00**

22.97  
**507+00.00**

20.49  
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gncdlin



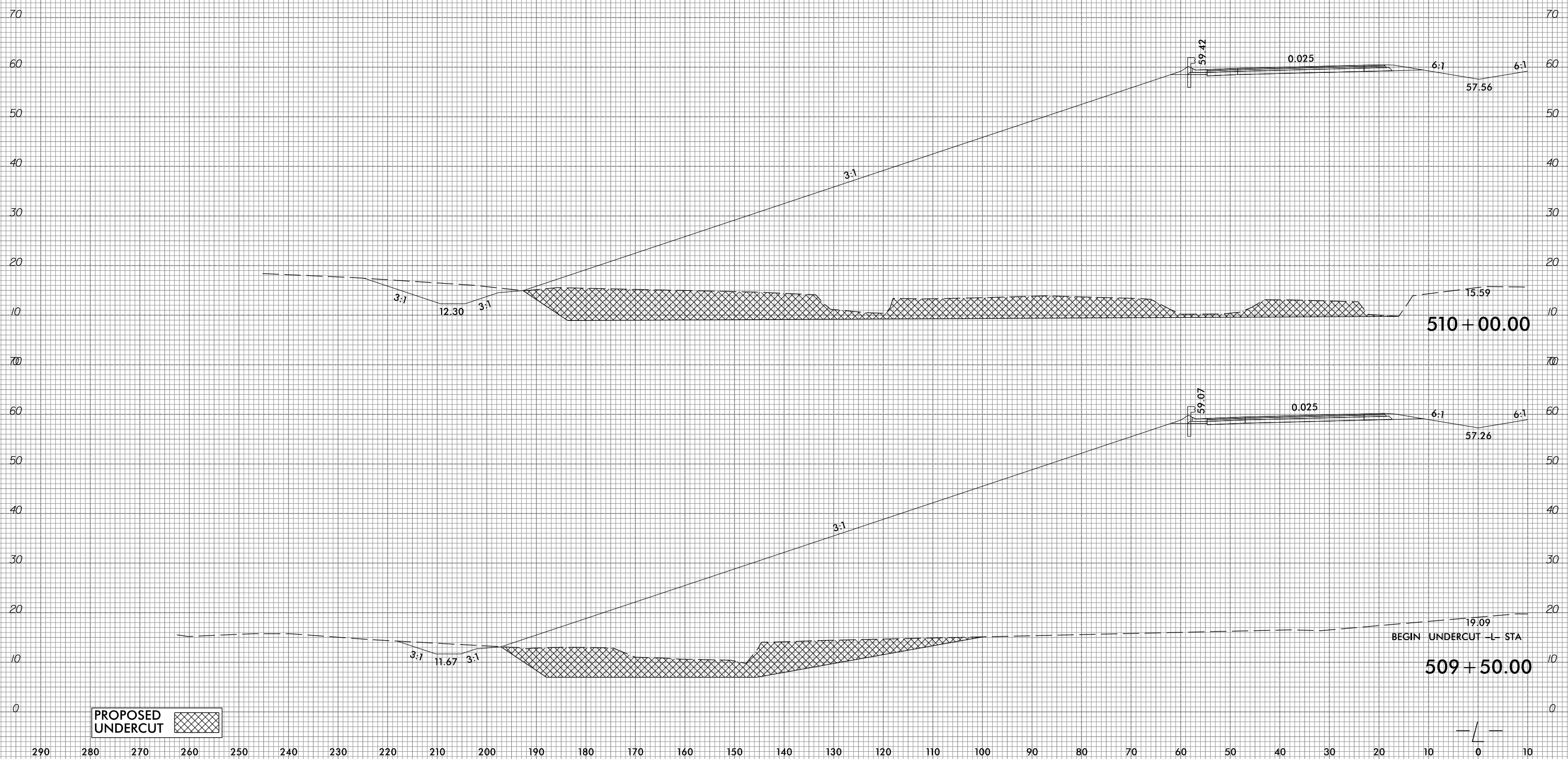
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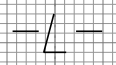
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-224

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PROPOSED UNDERCUT



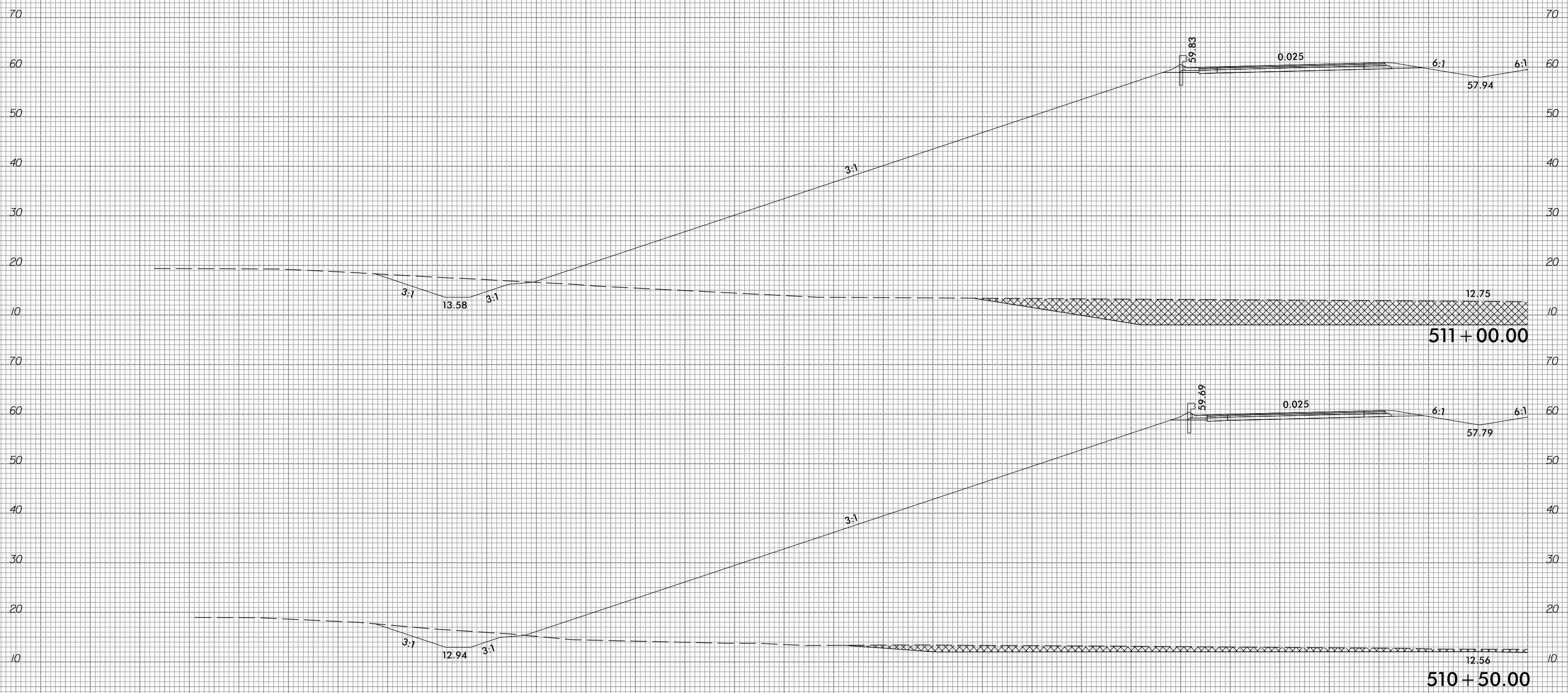
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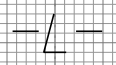


PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-225

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PROPOSED UNDERCUT



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

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 gmc311

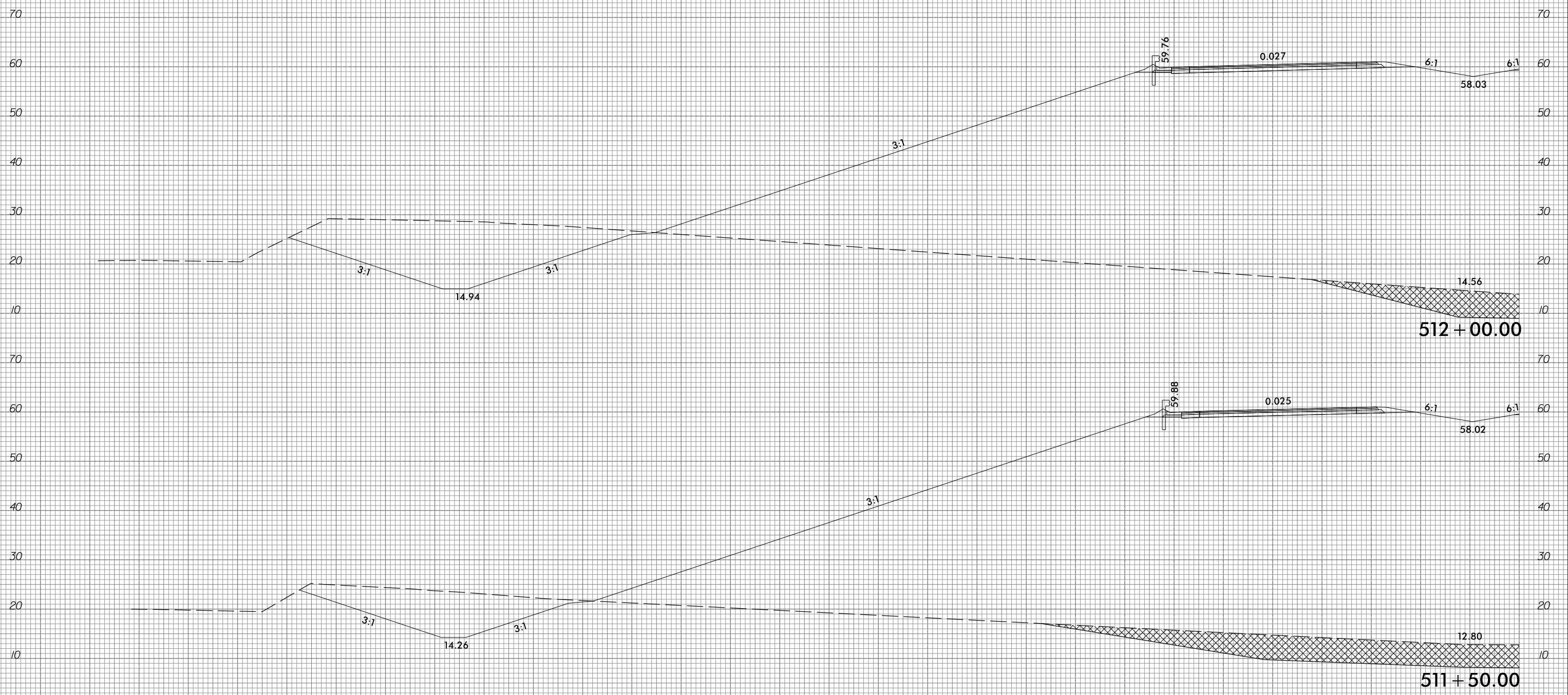
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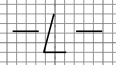
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-226

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PROPOSED UNDERCUT



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

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gmc311

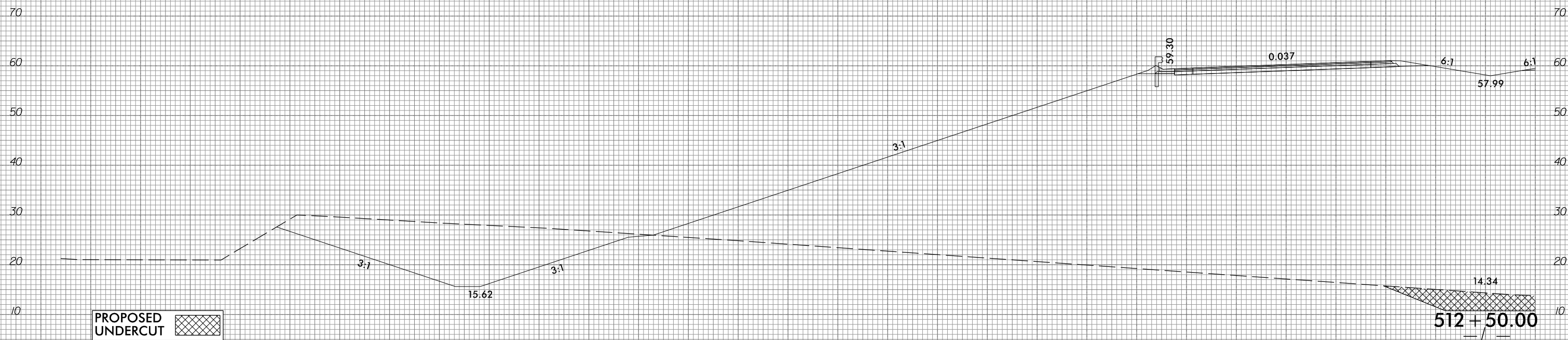
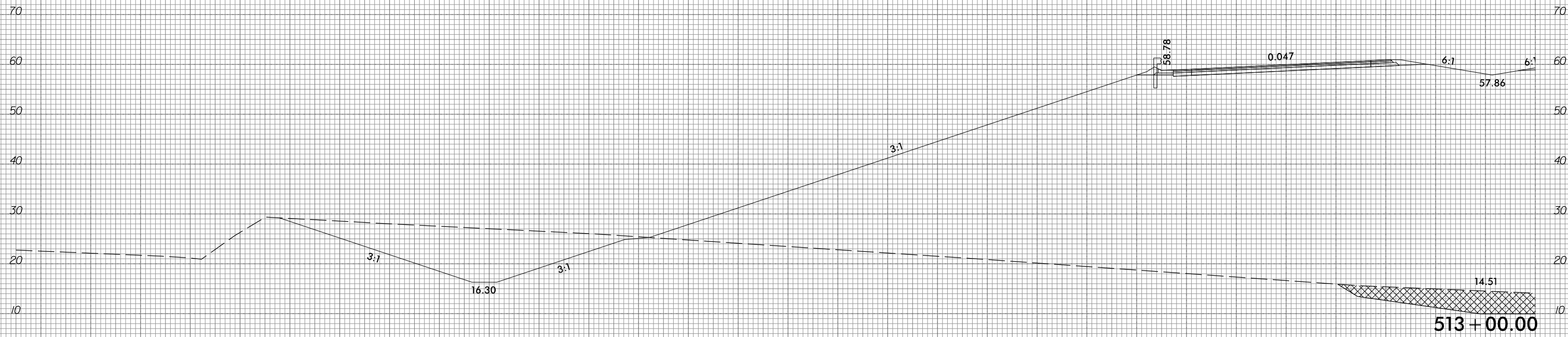
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-227

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



PROPOSED UNDERCUT

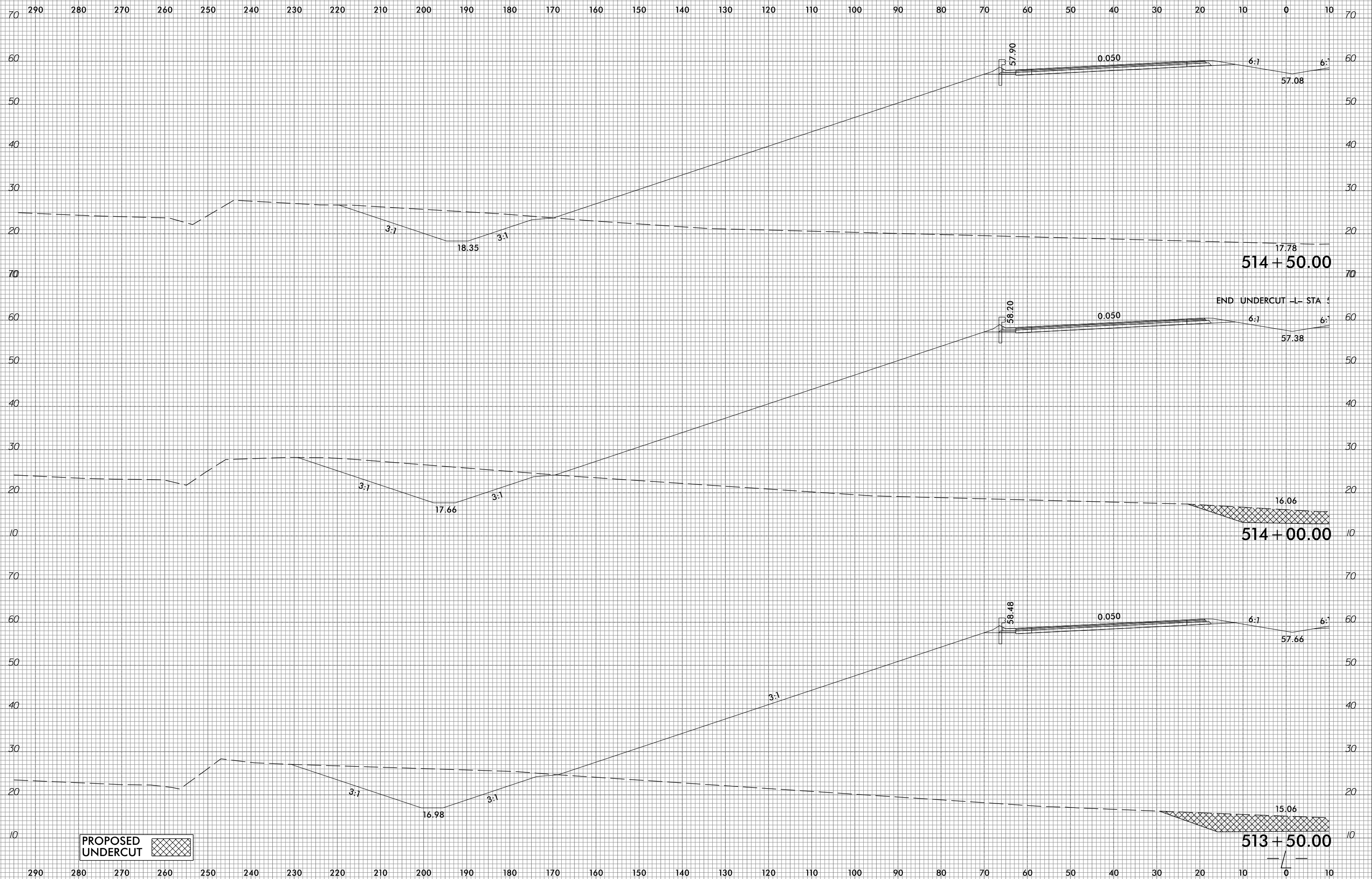
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gncdjin



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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-228



PROPOSED UNDERCUT

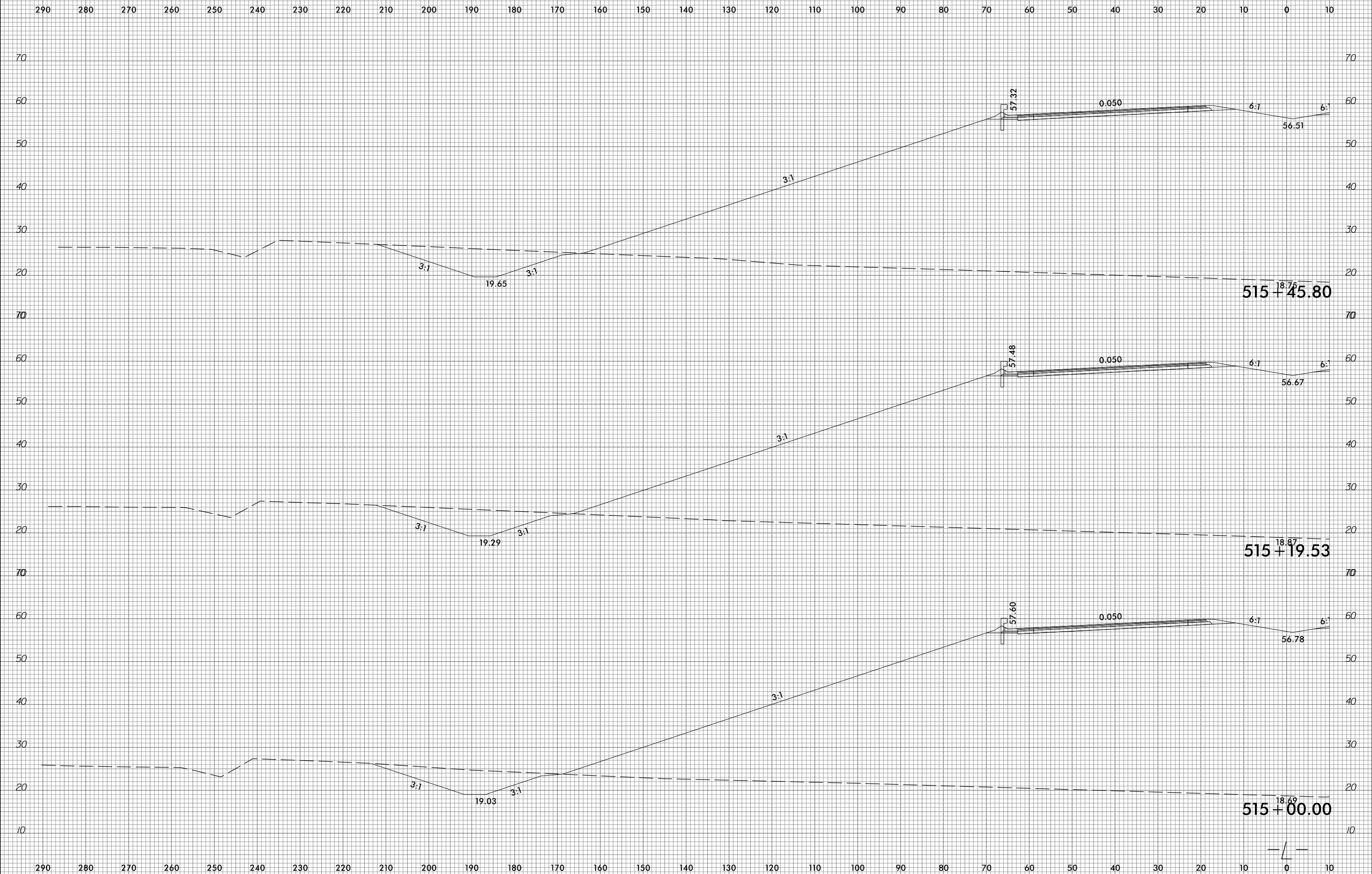
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 gmc311

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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-229

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-229



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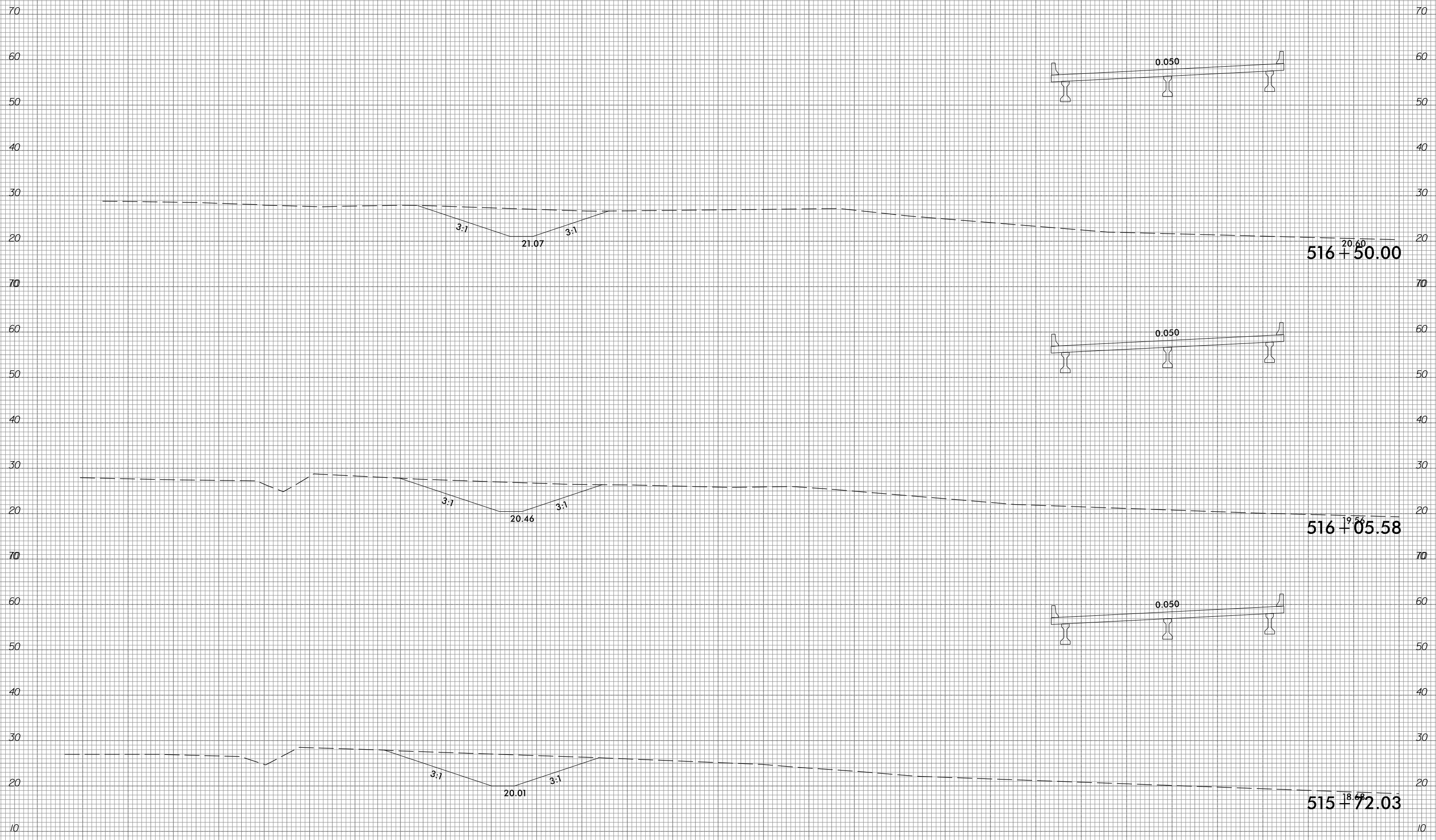
6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-230

PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-230

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



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

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 gncdlin

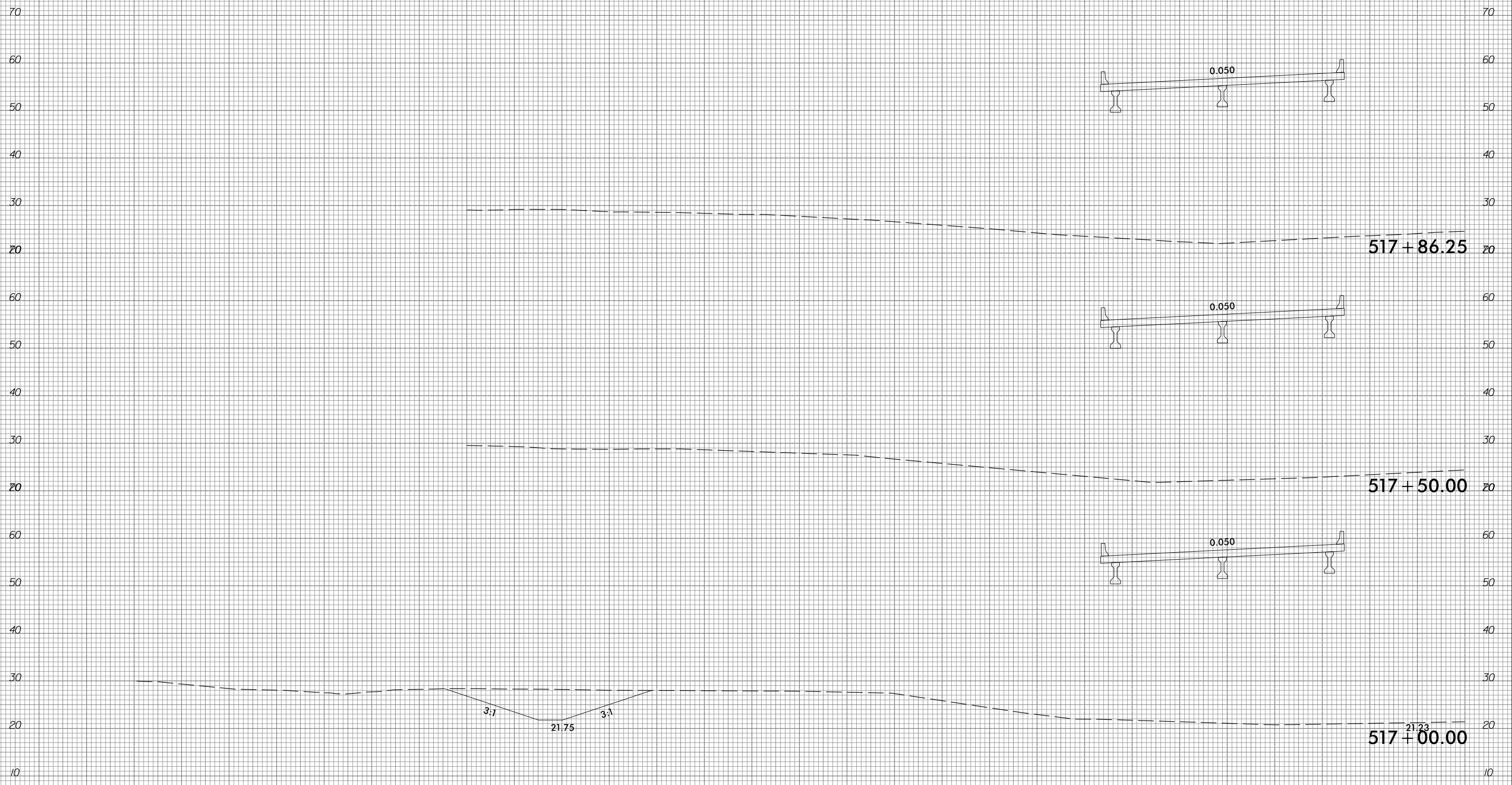
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-231

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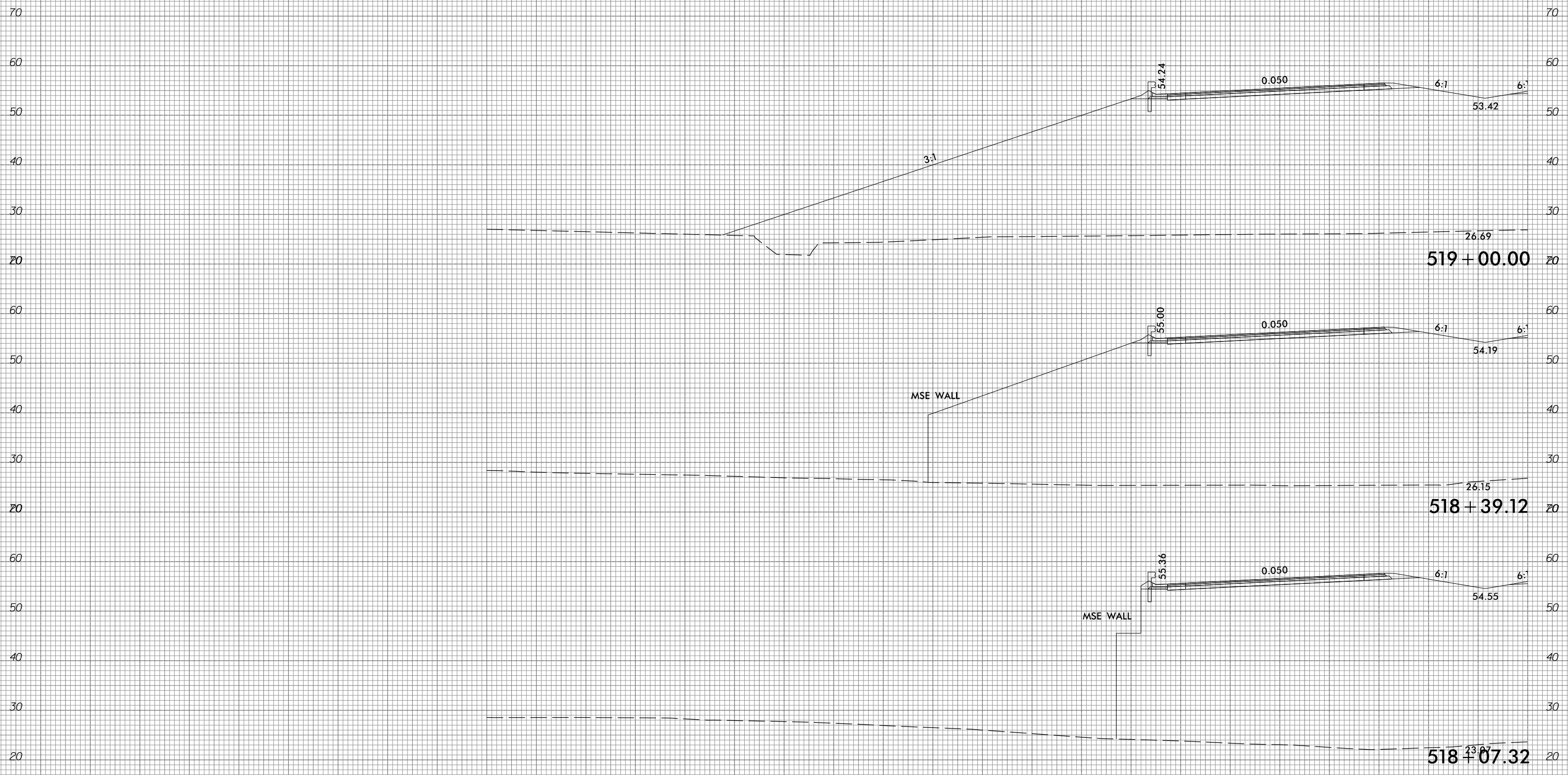


290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

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gncdjin



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



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

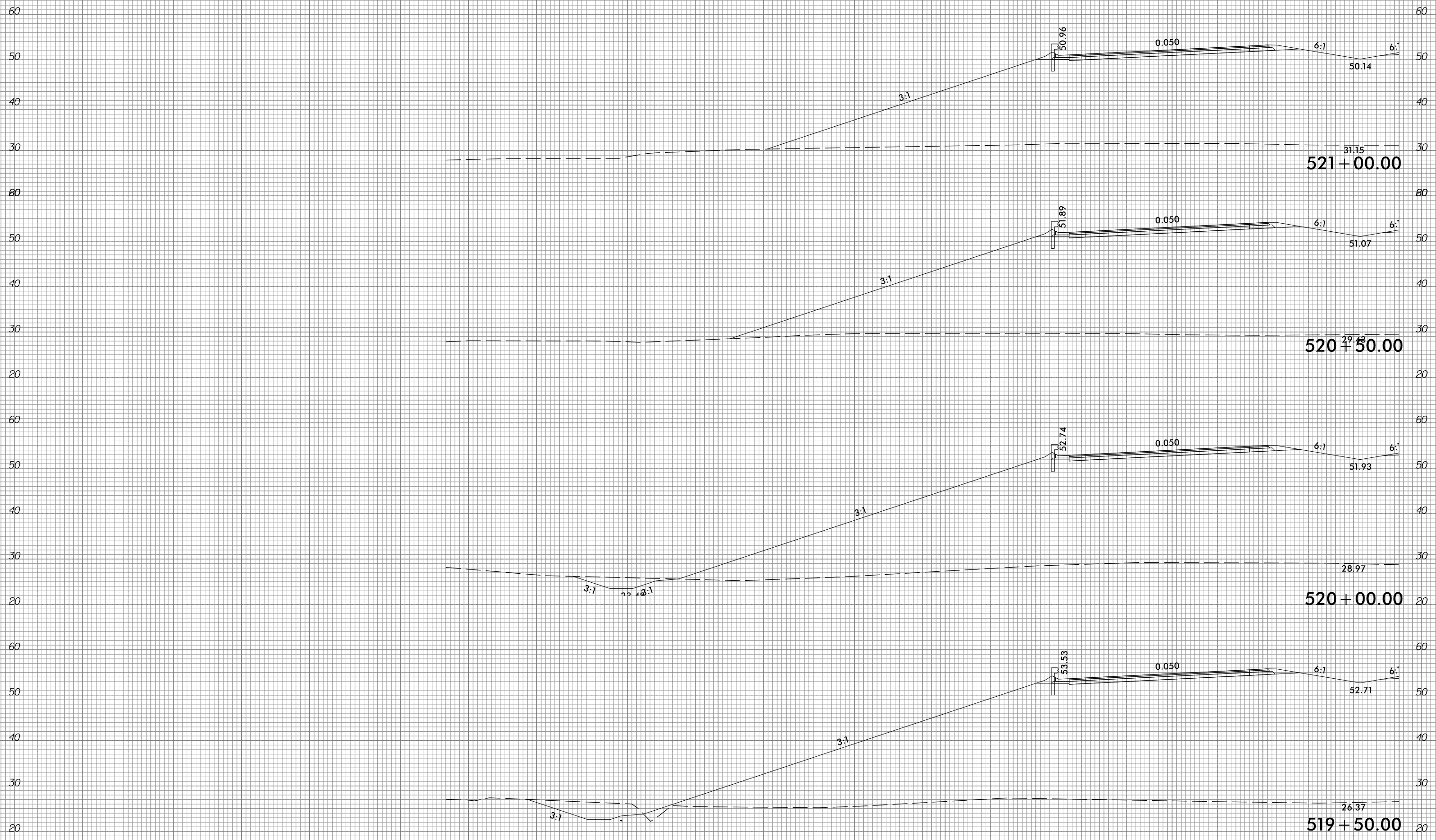
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-233

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

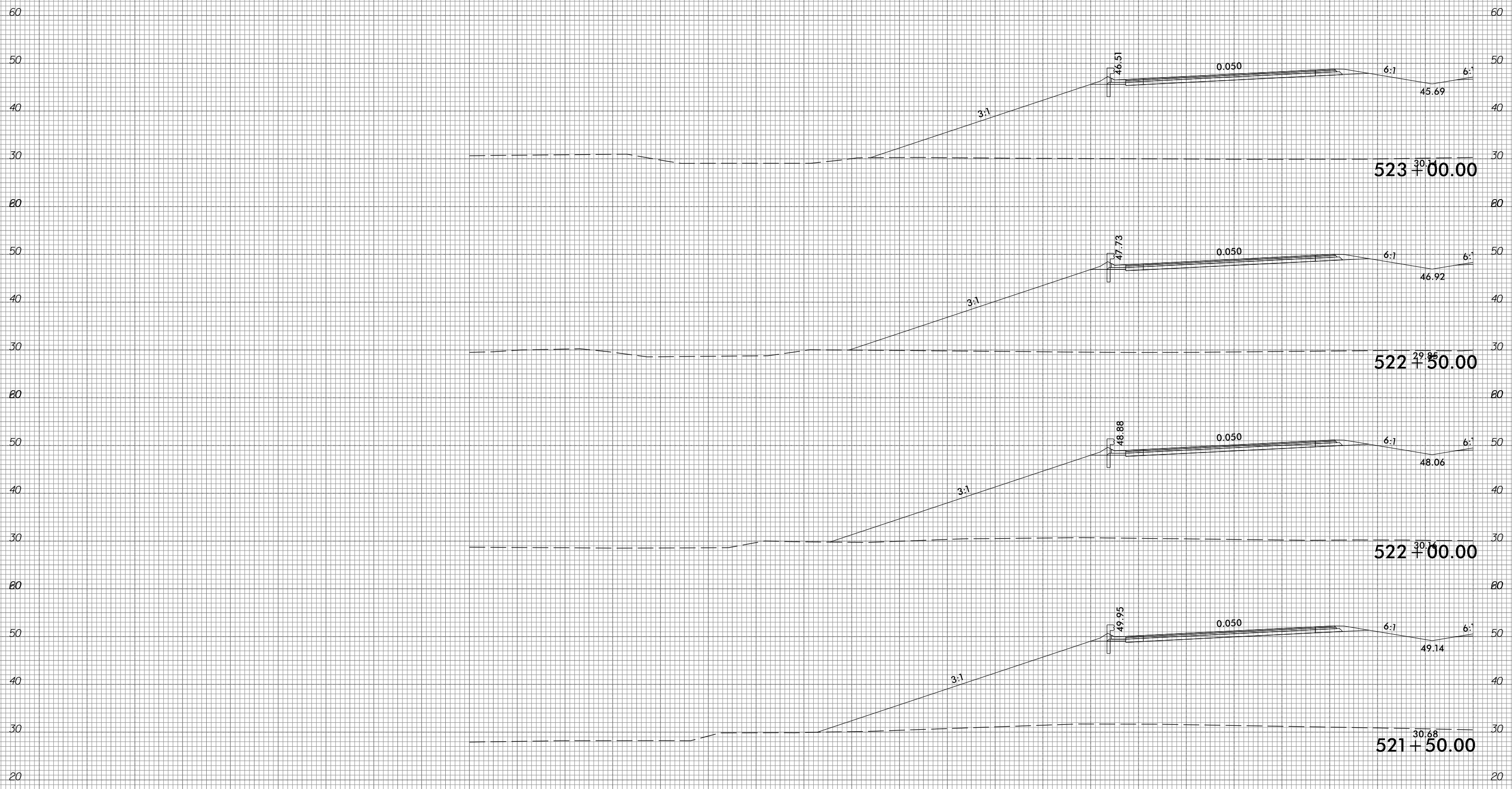


290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

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gmc311



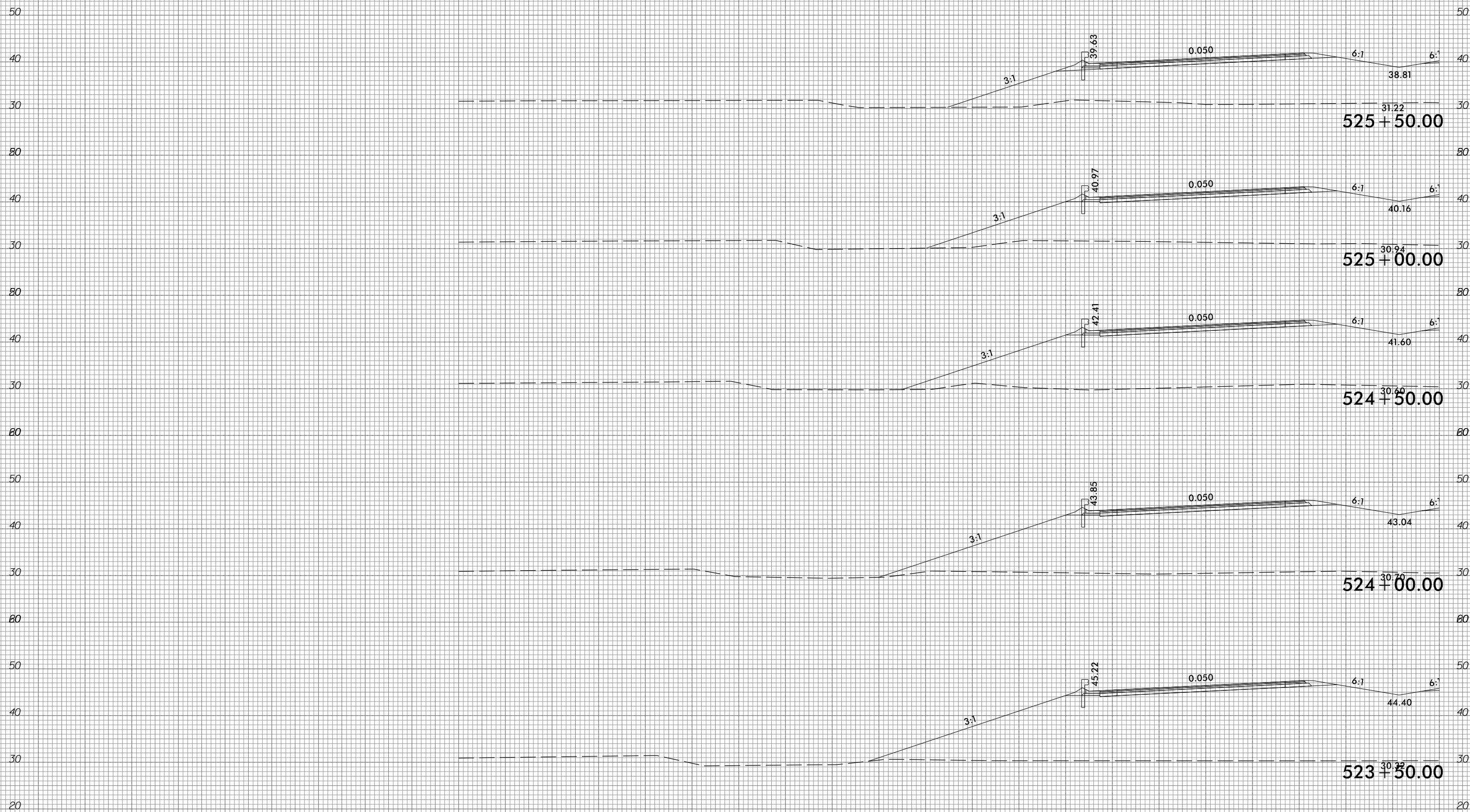
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290 280 270 260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10



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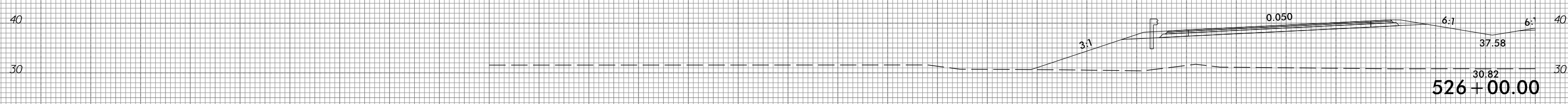
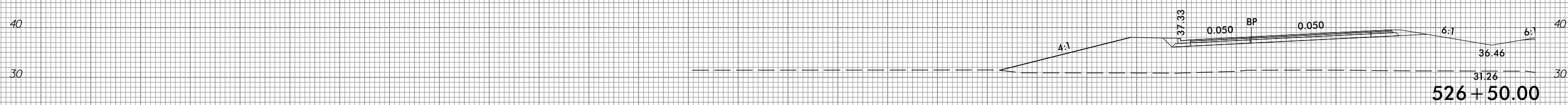
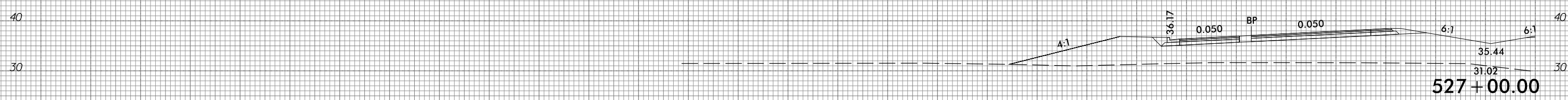
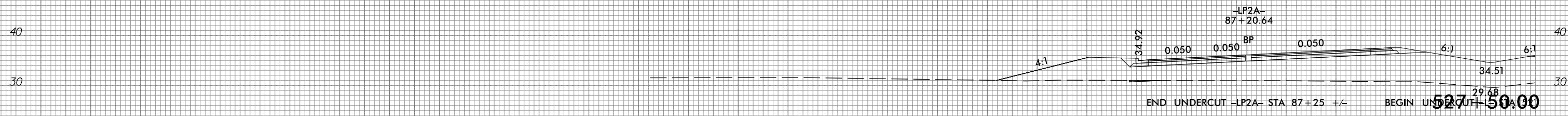
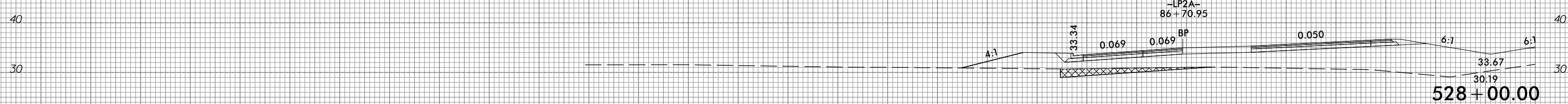
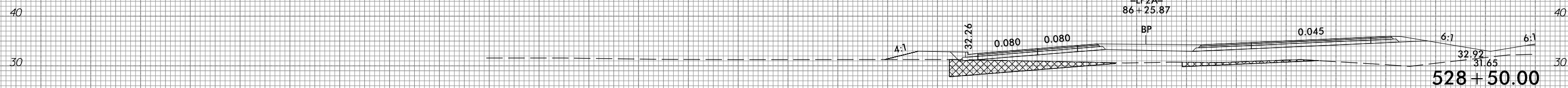
6/23/16



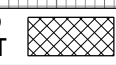
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-236

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



PROPOSED UNDERCUT



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

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gncdjin

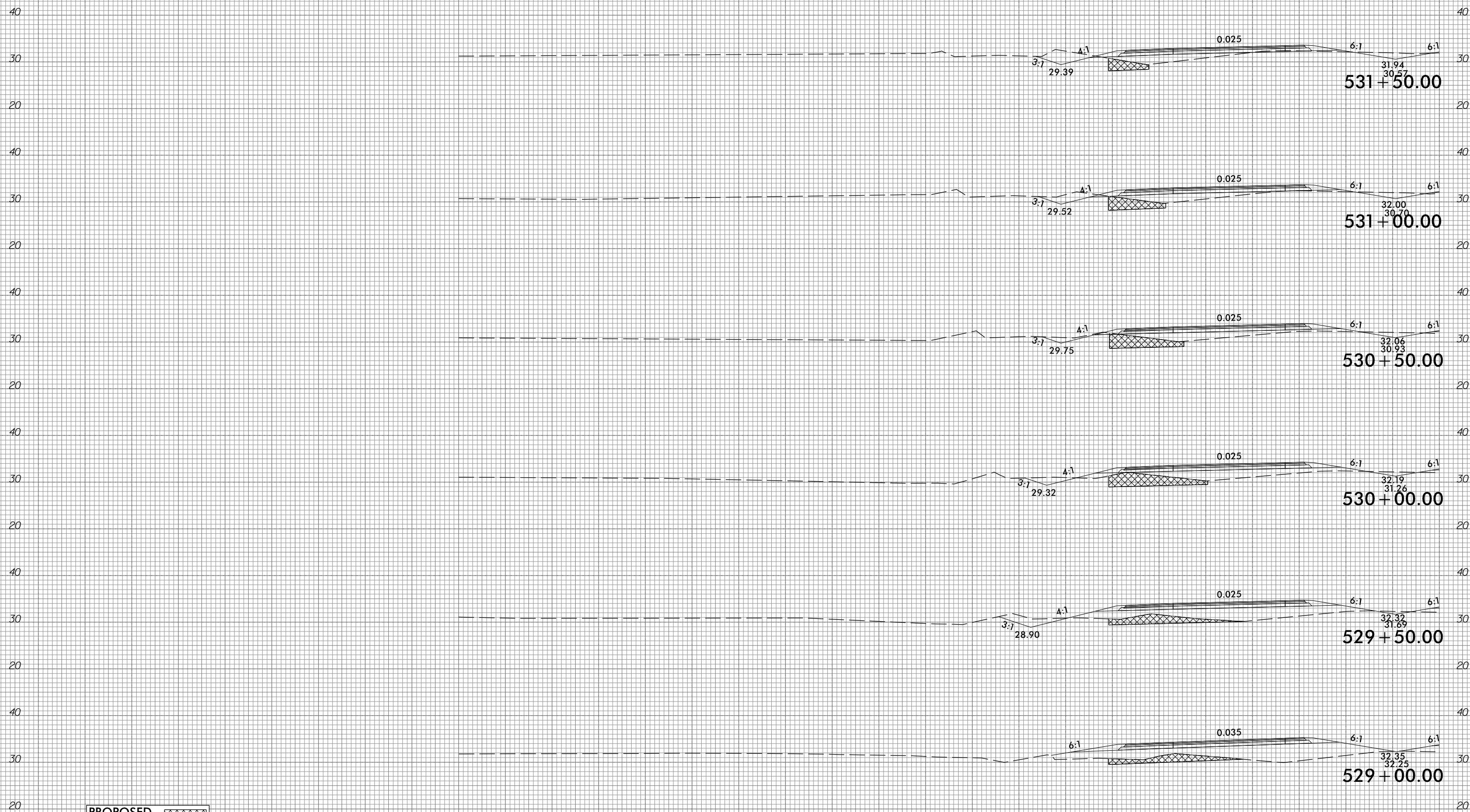
6/23/16



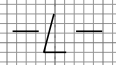
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-237

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



PROPOSED UNDERCUT



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

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gmc311

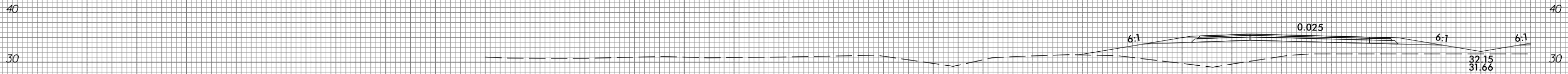
6/23/16



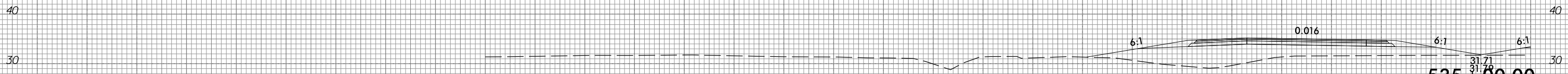
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-238

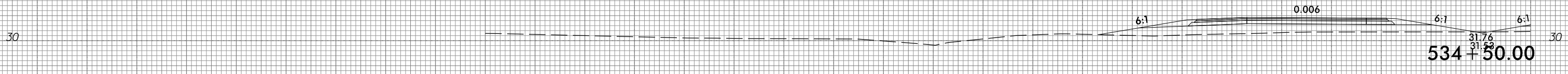
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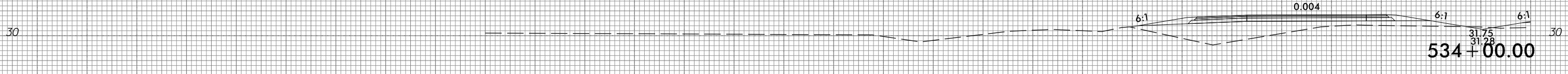
535 + 50.00



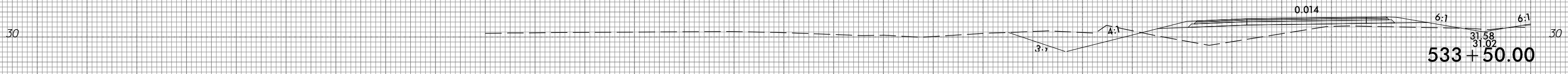
535 + 00.00



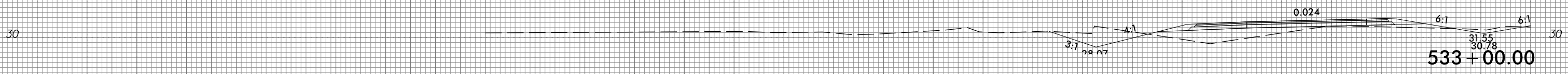
534 + 50.00



534 + 00.00

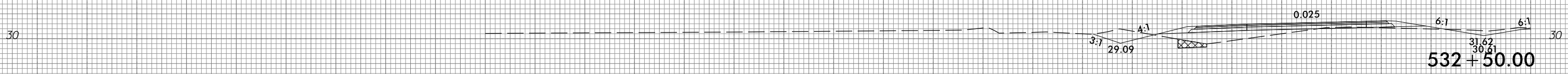


533 + 50.00

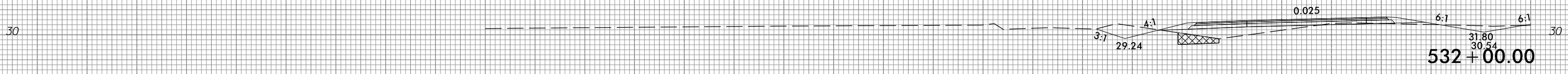


533 + 00.00

END UNDERCUT — L— STA 531



532 + 50.00



532 + 00.00

PROPOSED UNDERCUT

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

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gncdjin

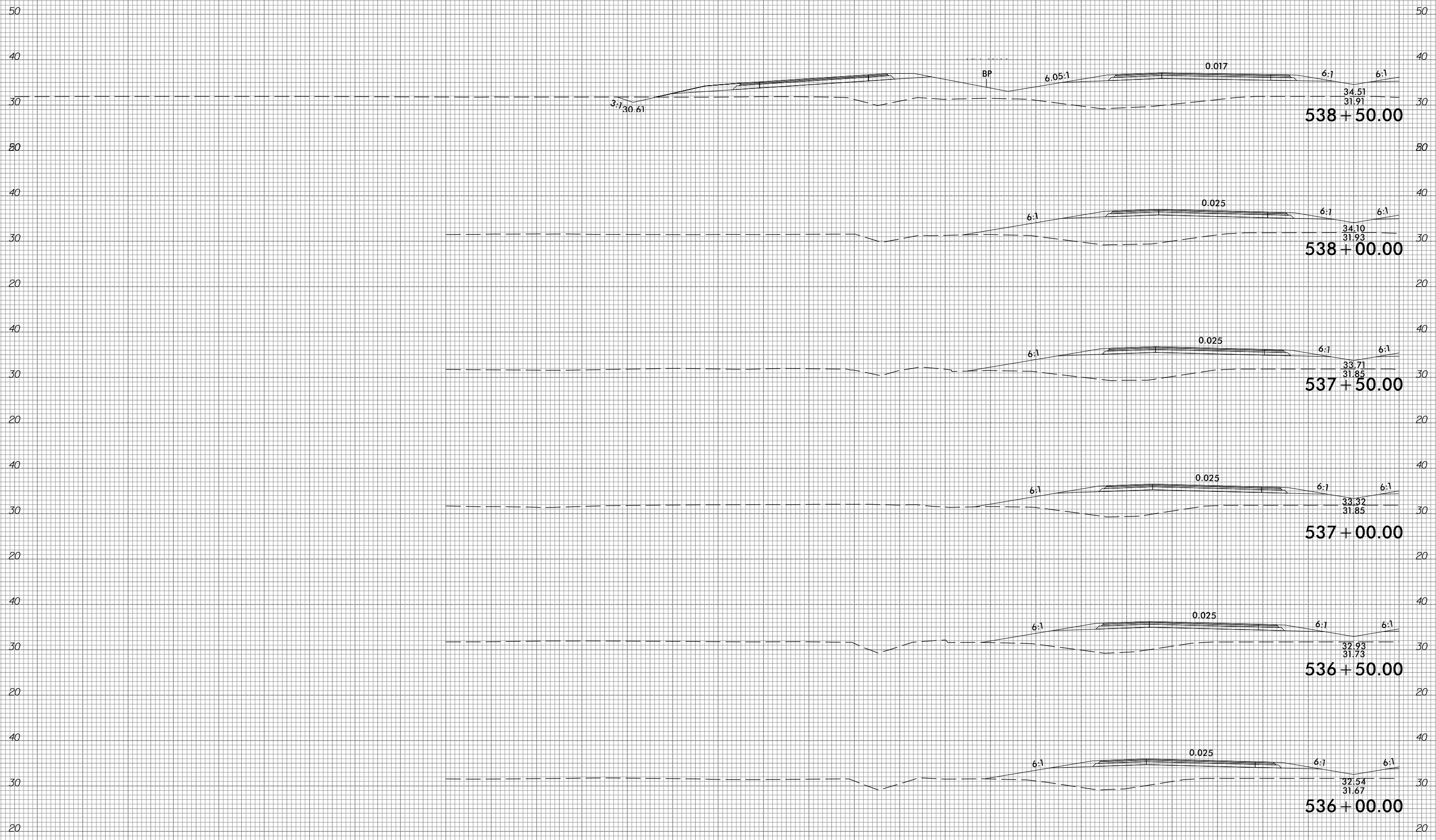
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-239

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



538 + 50.00

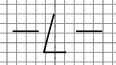
538 + 00.00

537 + 50.00

537 + 00.00

536 + 50.00

536 + 00.00



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gncdlin

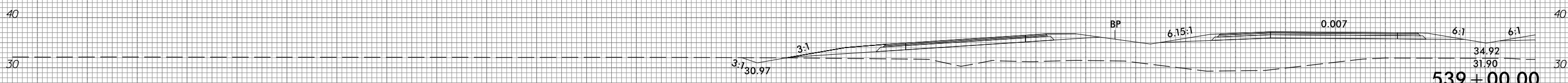
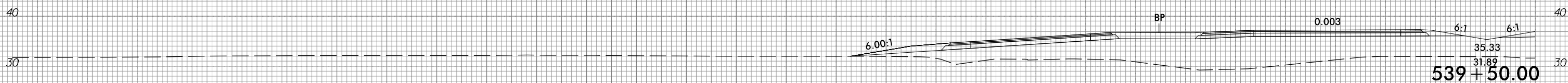
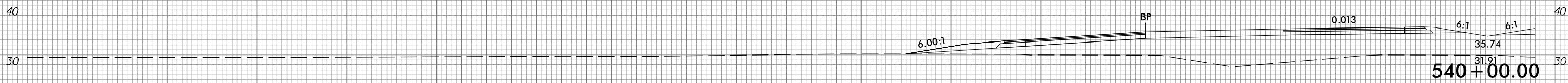
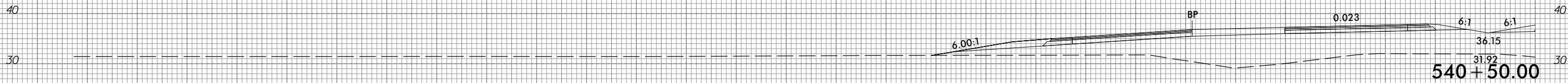
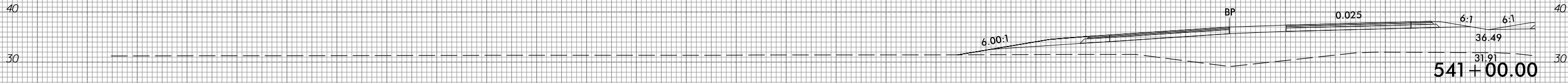
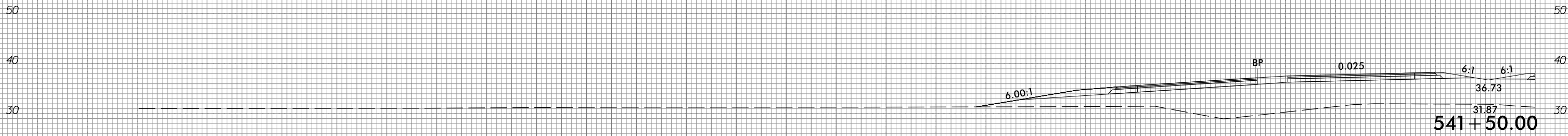
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-240

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



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

10/31/2016  
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gncdlin

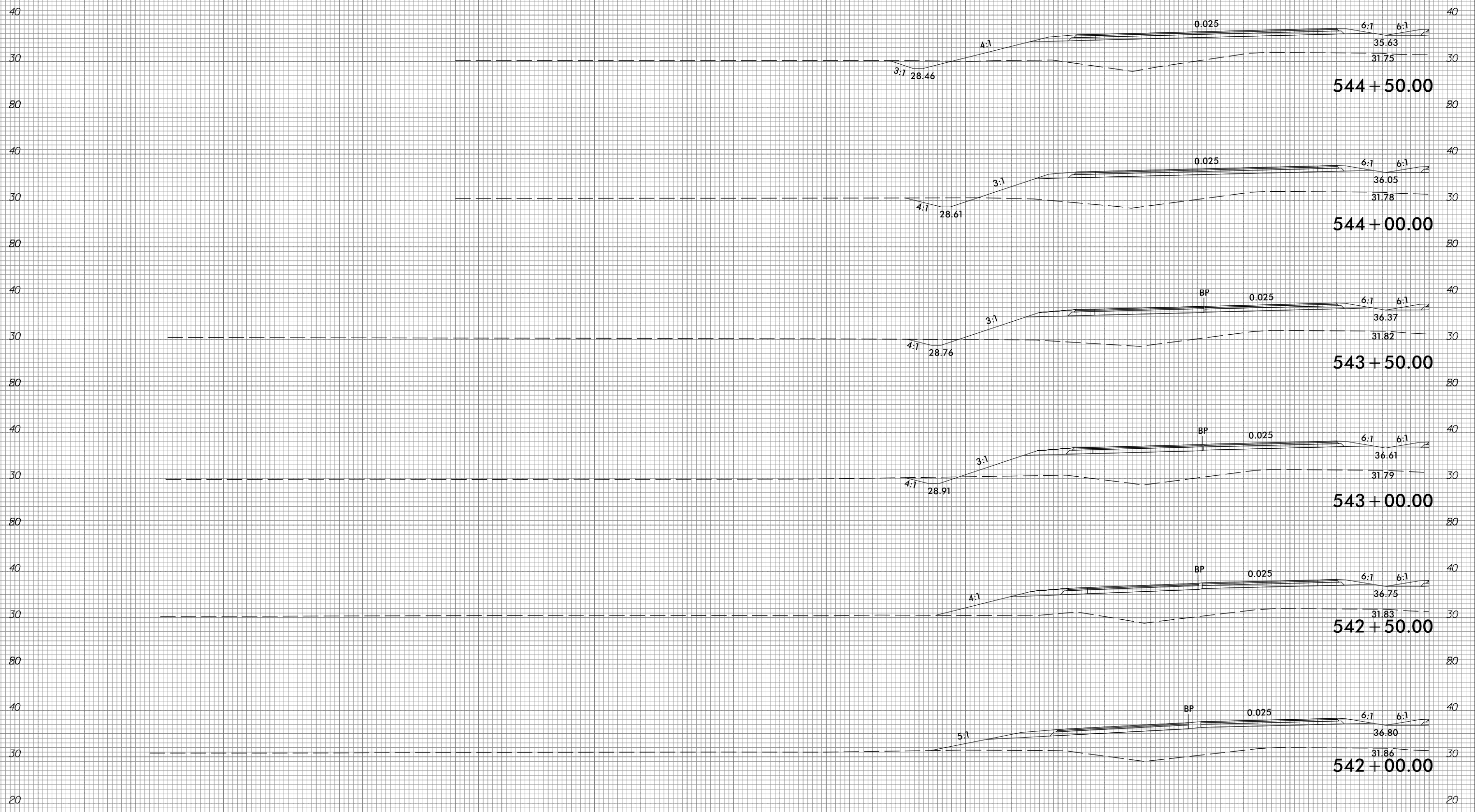
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-241

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



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gncdlin

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

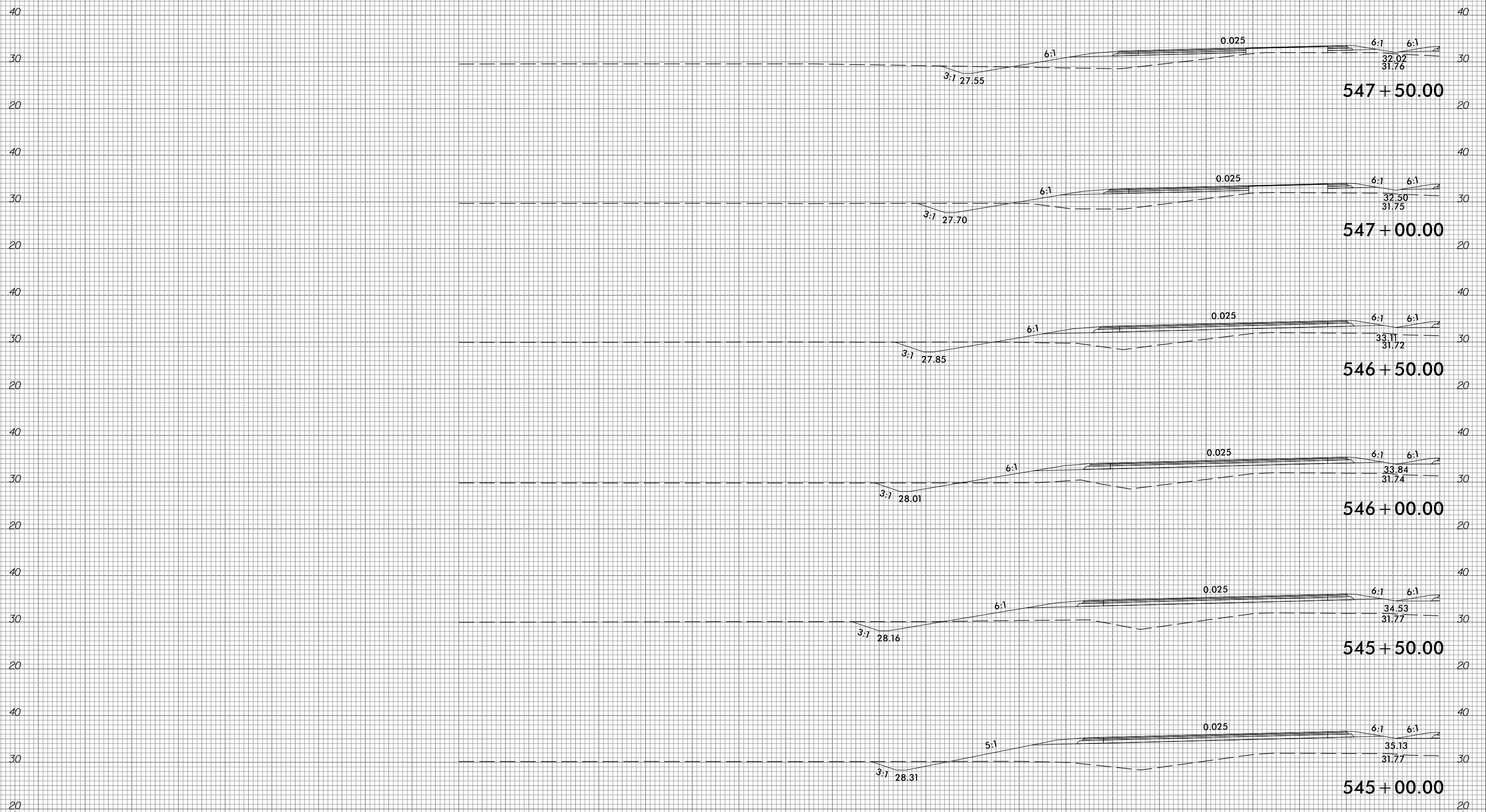
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-242

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gncdlin

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

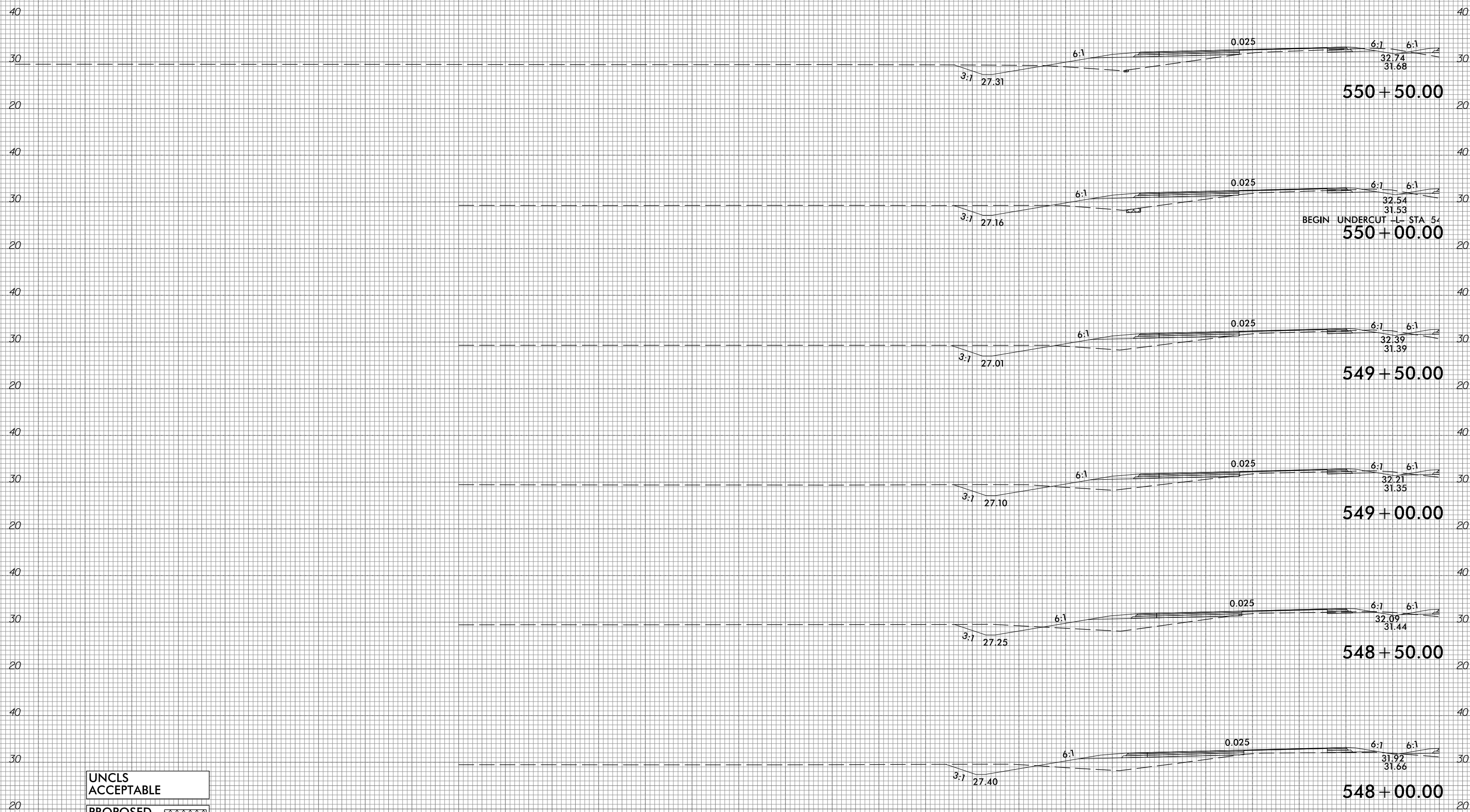
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-243

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



BEGIN UNDERCUT -L- STA 54

UNCLS  
ACCEPTABLE

PROPOSED  
UNDERCUT

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

10/31/2018  
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gncdlin



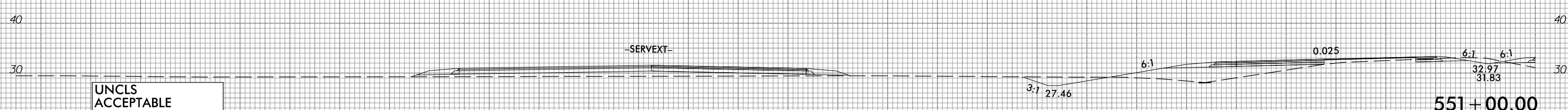
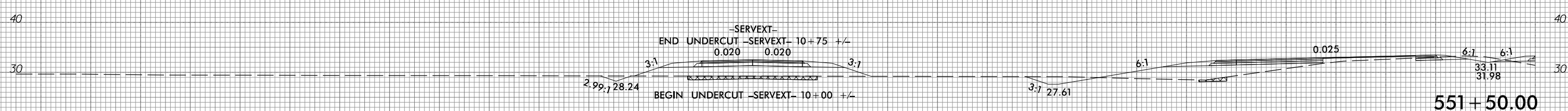
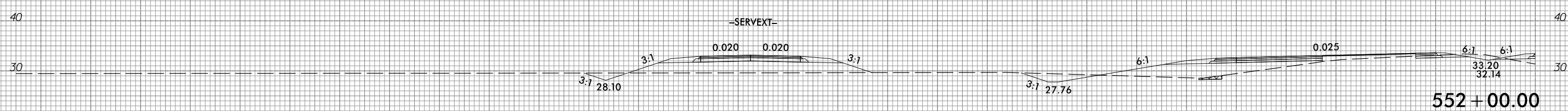
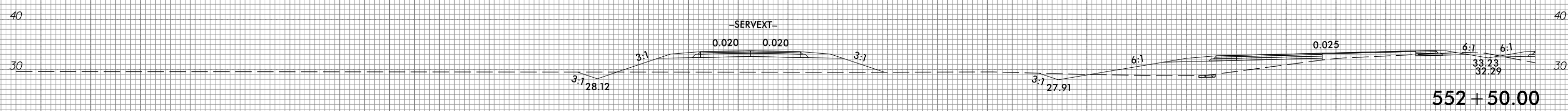
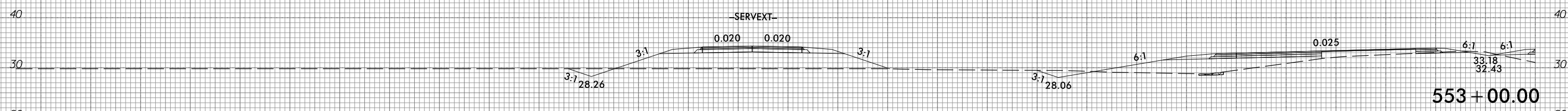
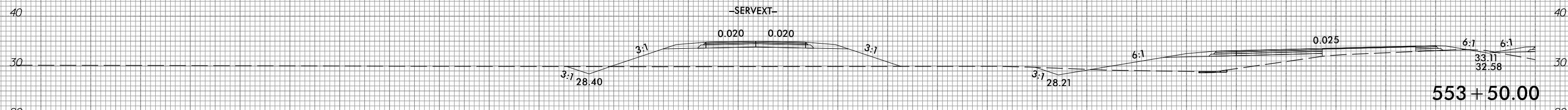
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-244

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UNCLS  
ACCEPTABLE

PROPOSED  
UNDERCUT

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

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gncdlin

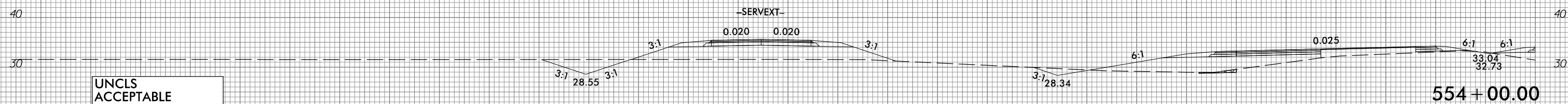
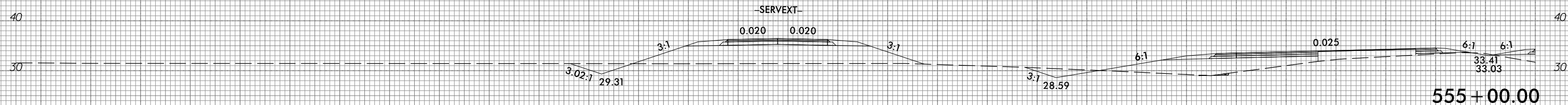
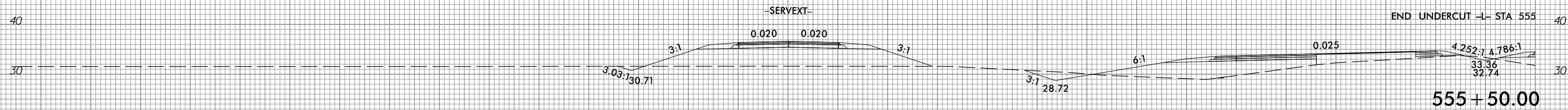
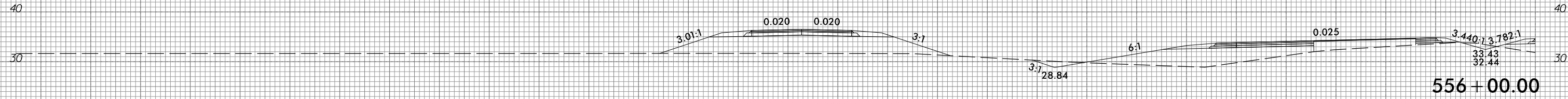
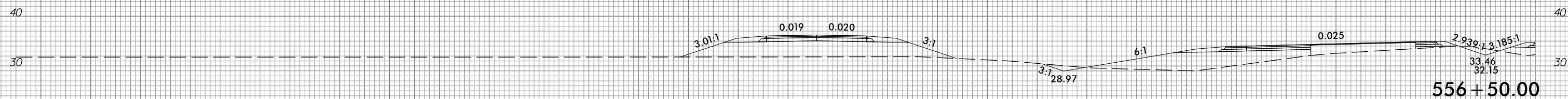
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-245

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UNCLS  
ACCEPTABLE

PROPOSED  
UNDERCUT

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

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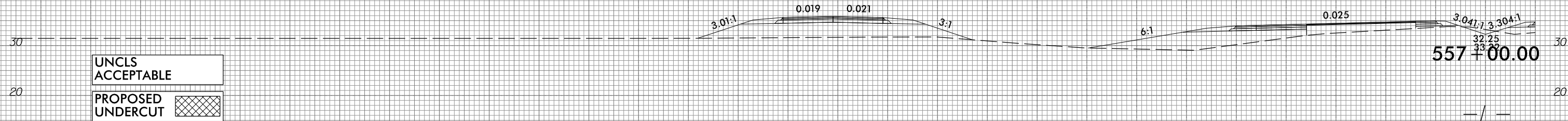
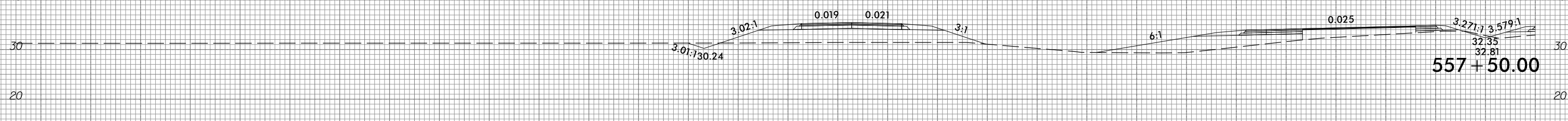
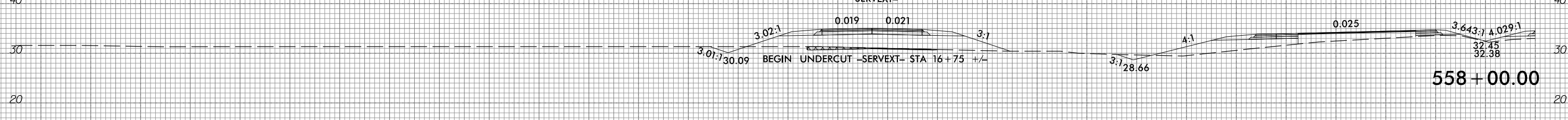
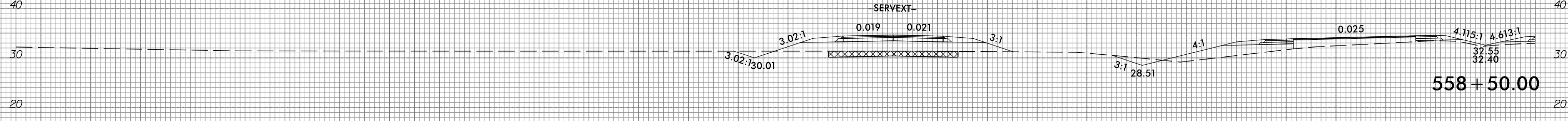
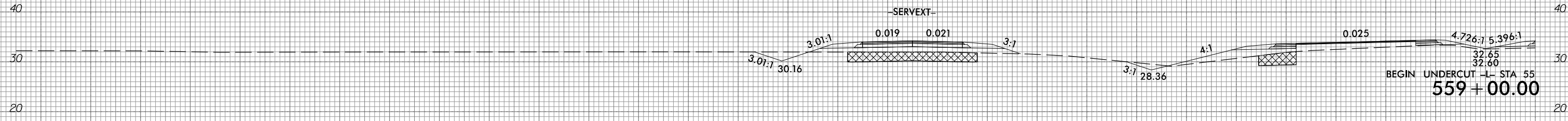
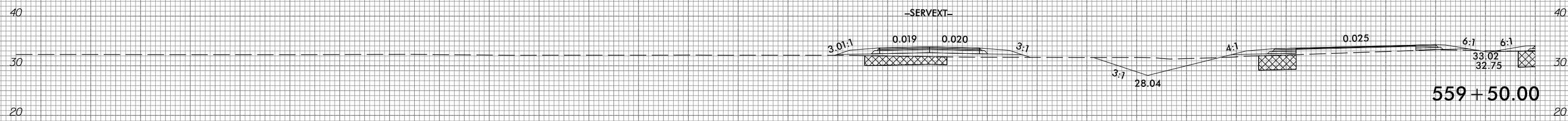
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-246

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



UNCLS  
ACCEPTABLE

PROPOSED  
UNDERCUT

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

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gmc31in

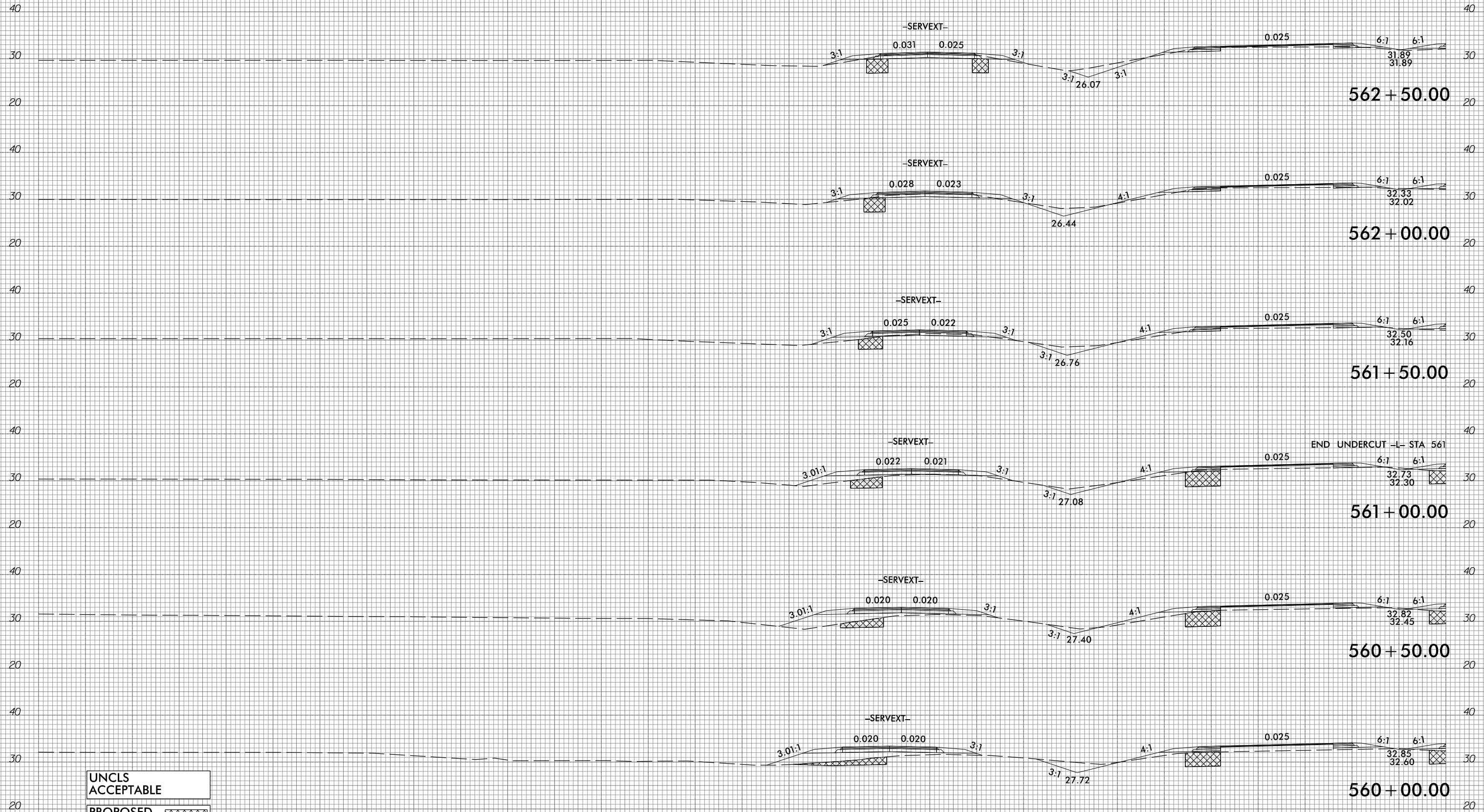
6/23/16



PROJ. REFERENCE NO.  
R-1015

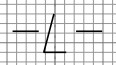
SHEET NO.  
X-247

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UNCLS  
ACCEPTABLE

PROPOSED  
UNDERCUT



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

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gncdlin

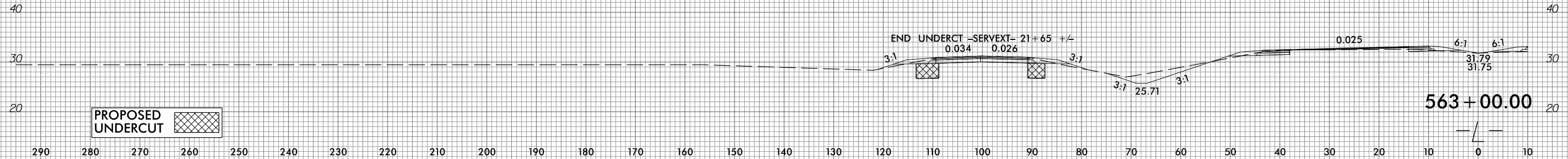
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-248

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PROPOSED UNDERCUT

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

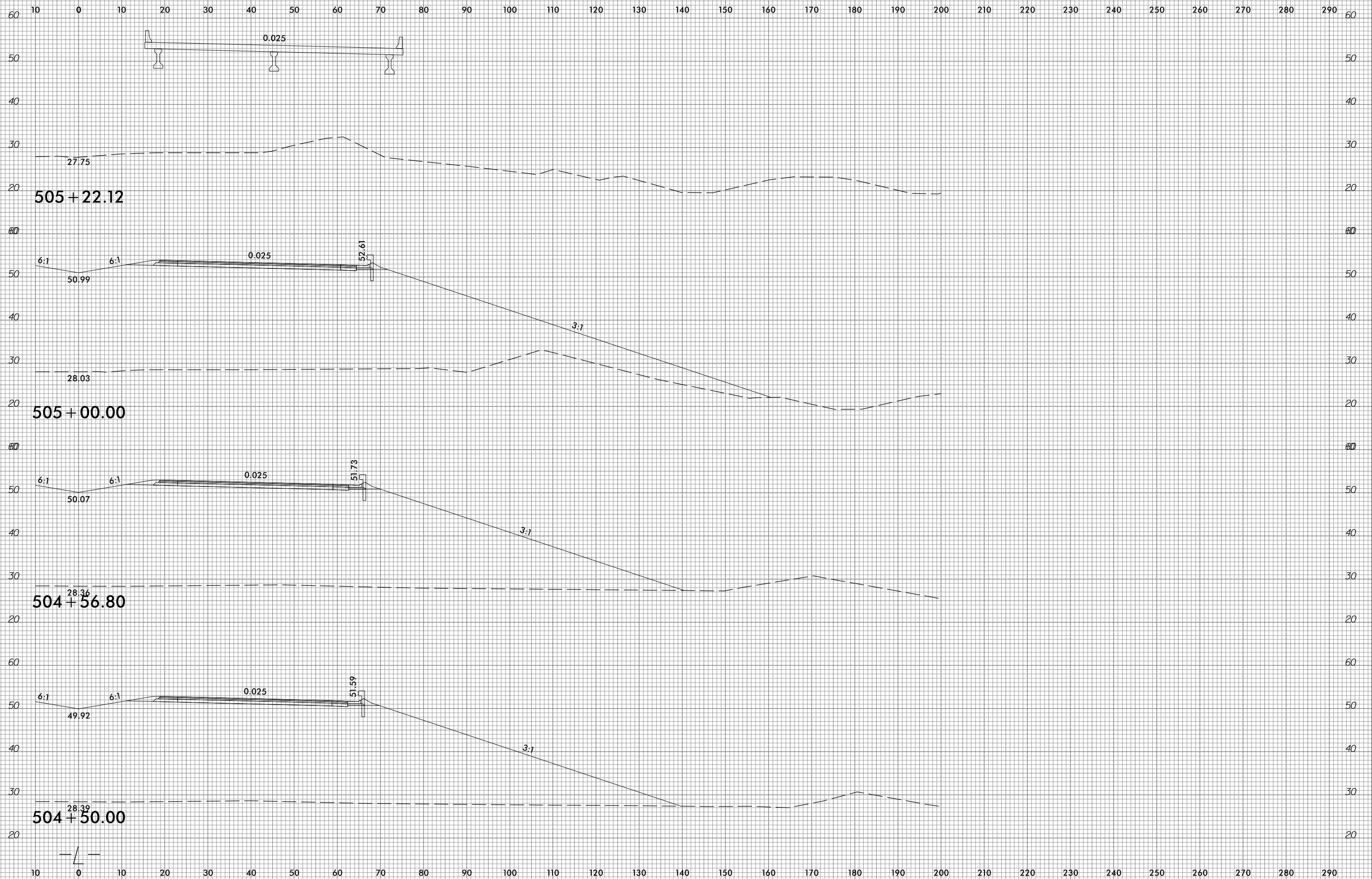
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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-249



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gncdlin

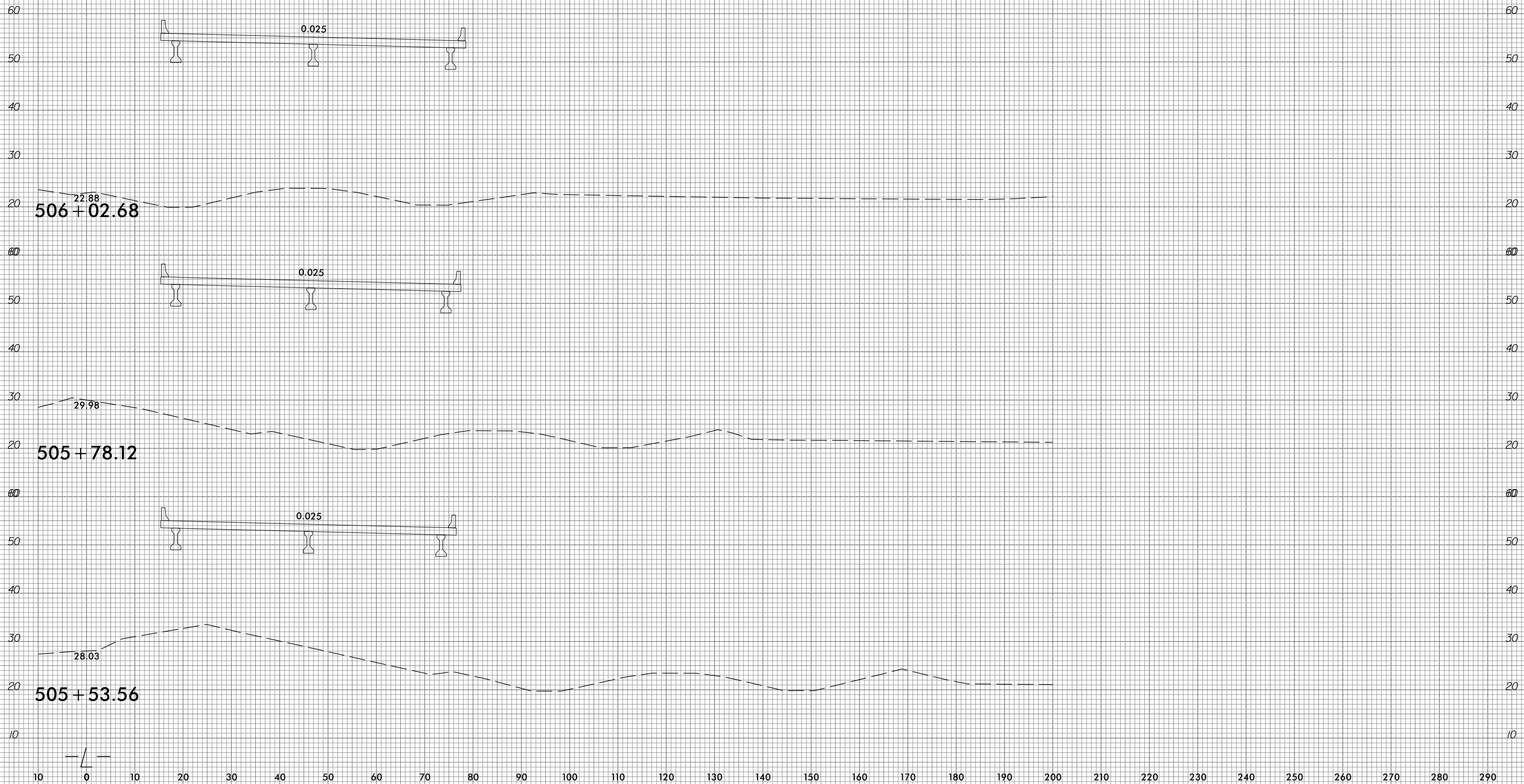
6/23/16



PROJ. REFERENCE NO.  
R-1015

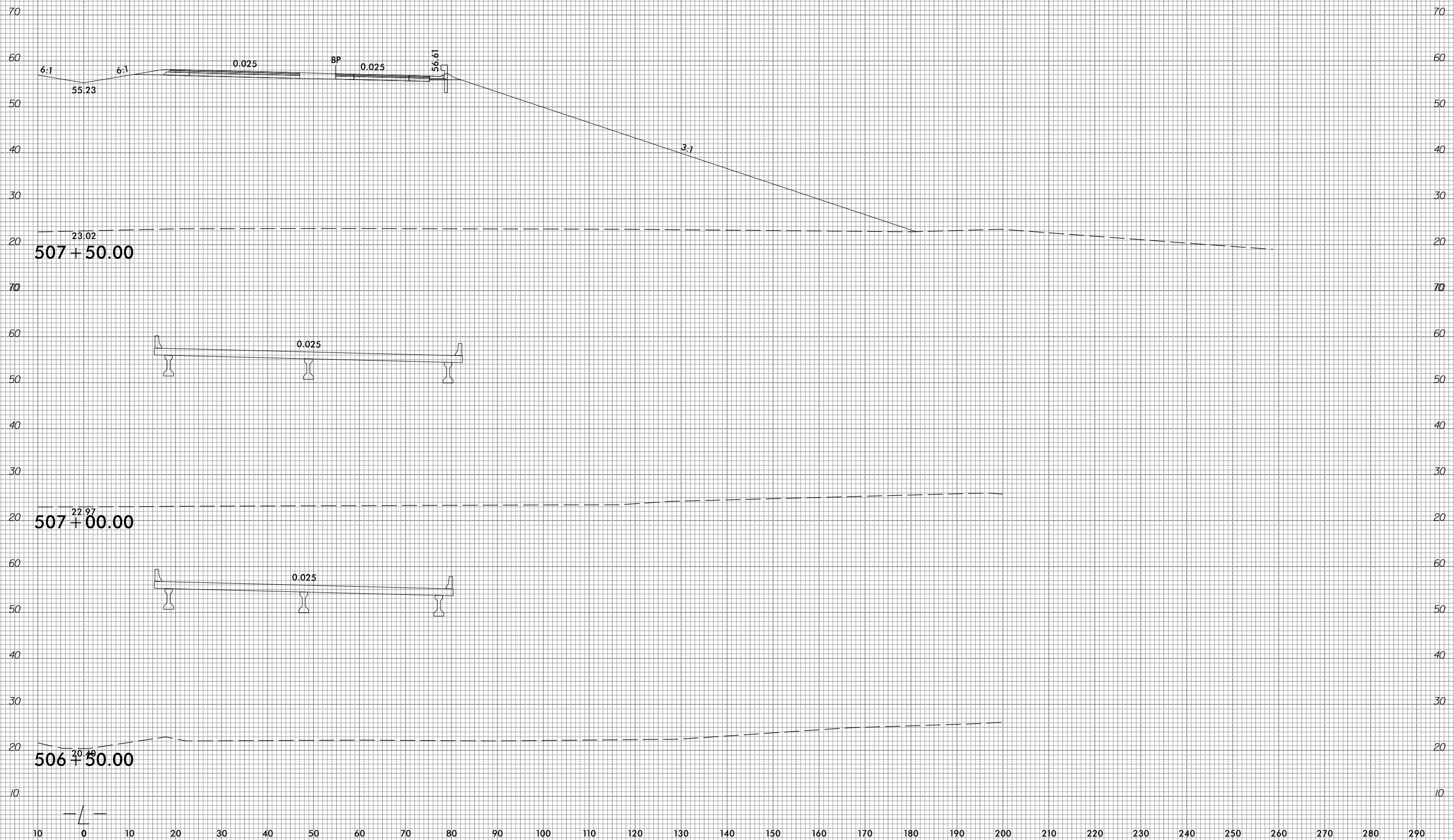
SHEET NO.  
X-250

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



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gmc311

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

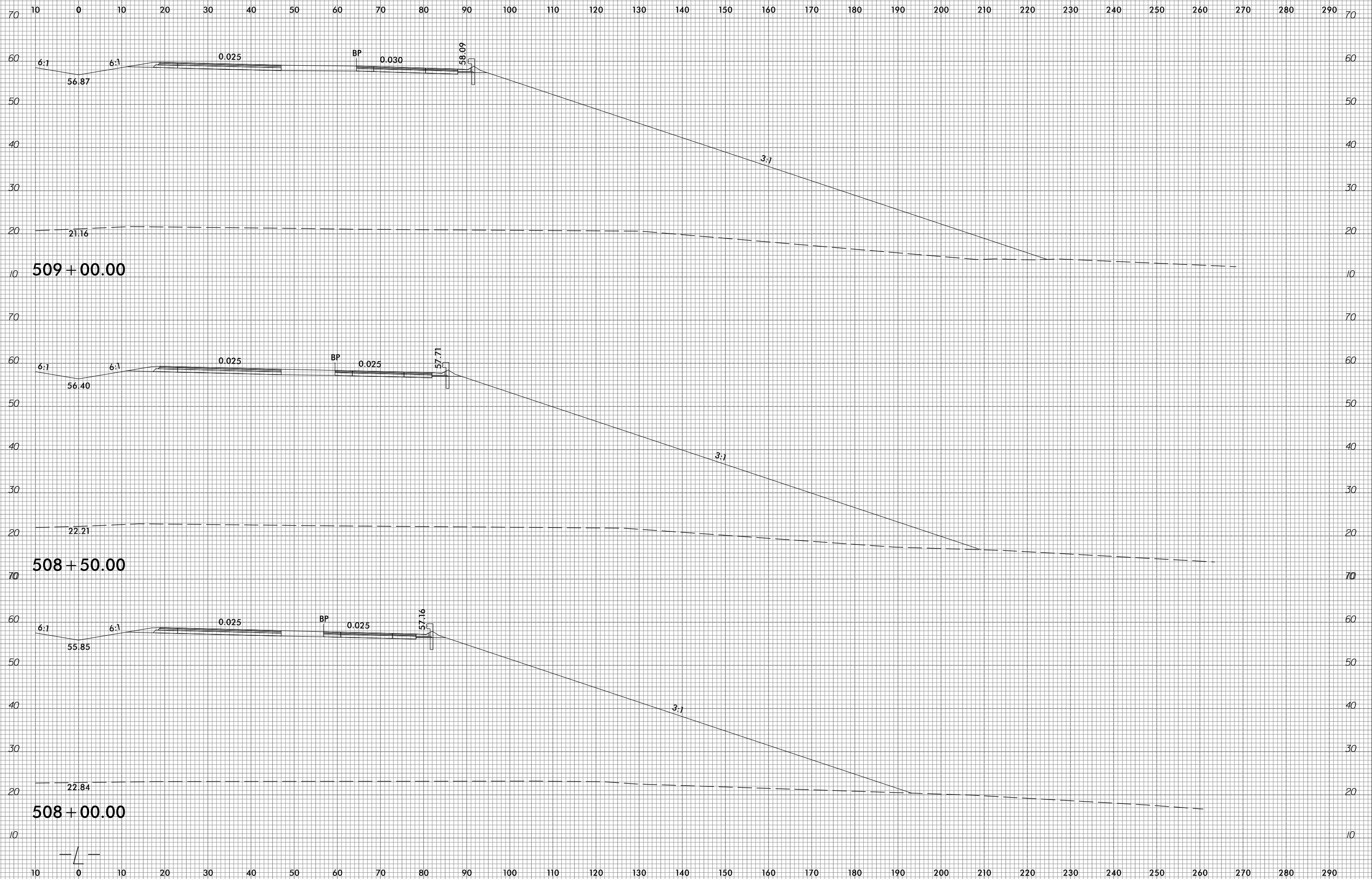




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PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-252



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gmc311

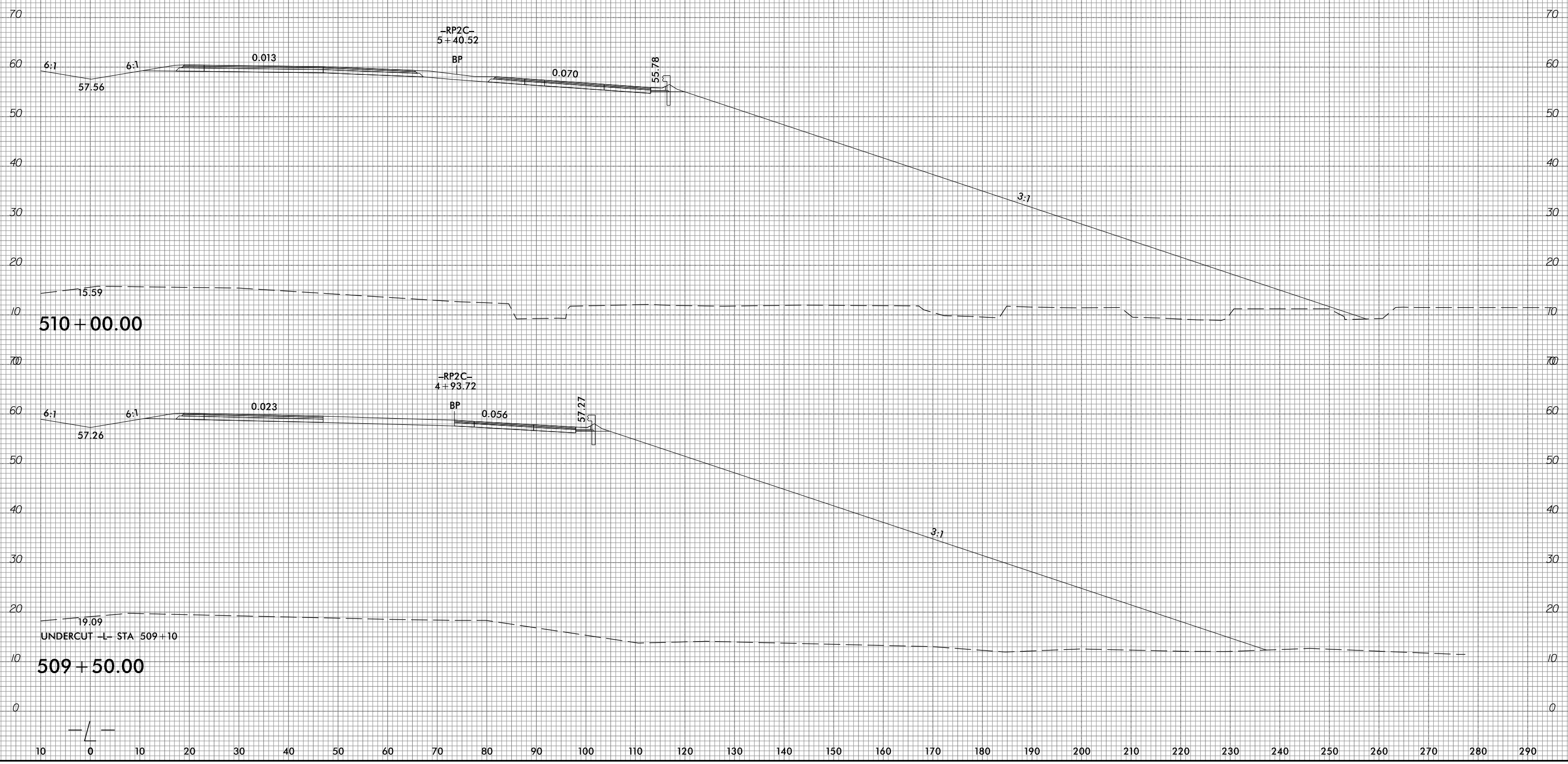
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-253

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



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gncdlin

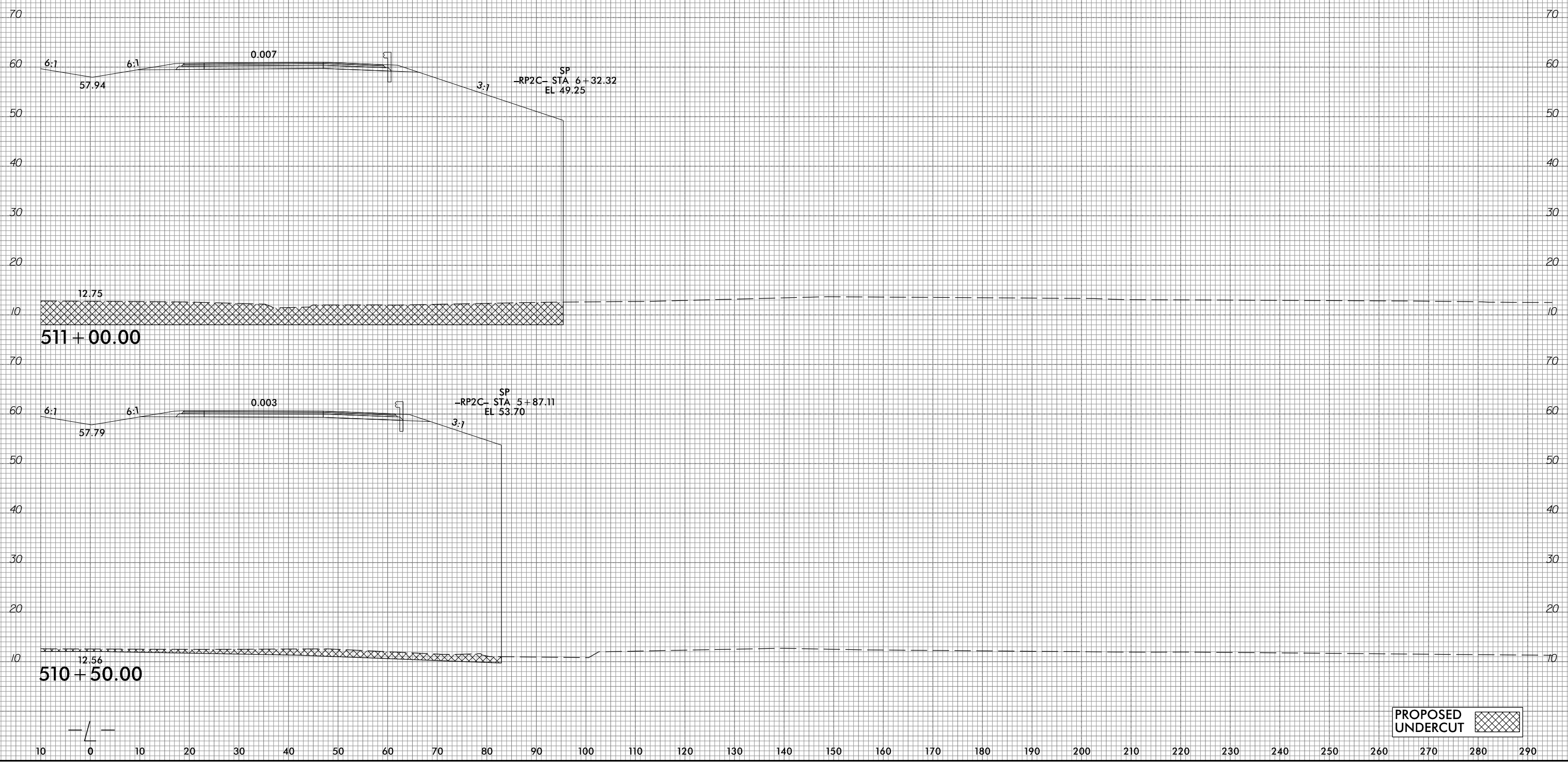
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-254

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



511 + 00.00

510 + 50.00

PROPOSED UNDERCUT



10/31/2018  
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gncdlin

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

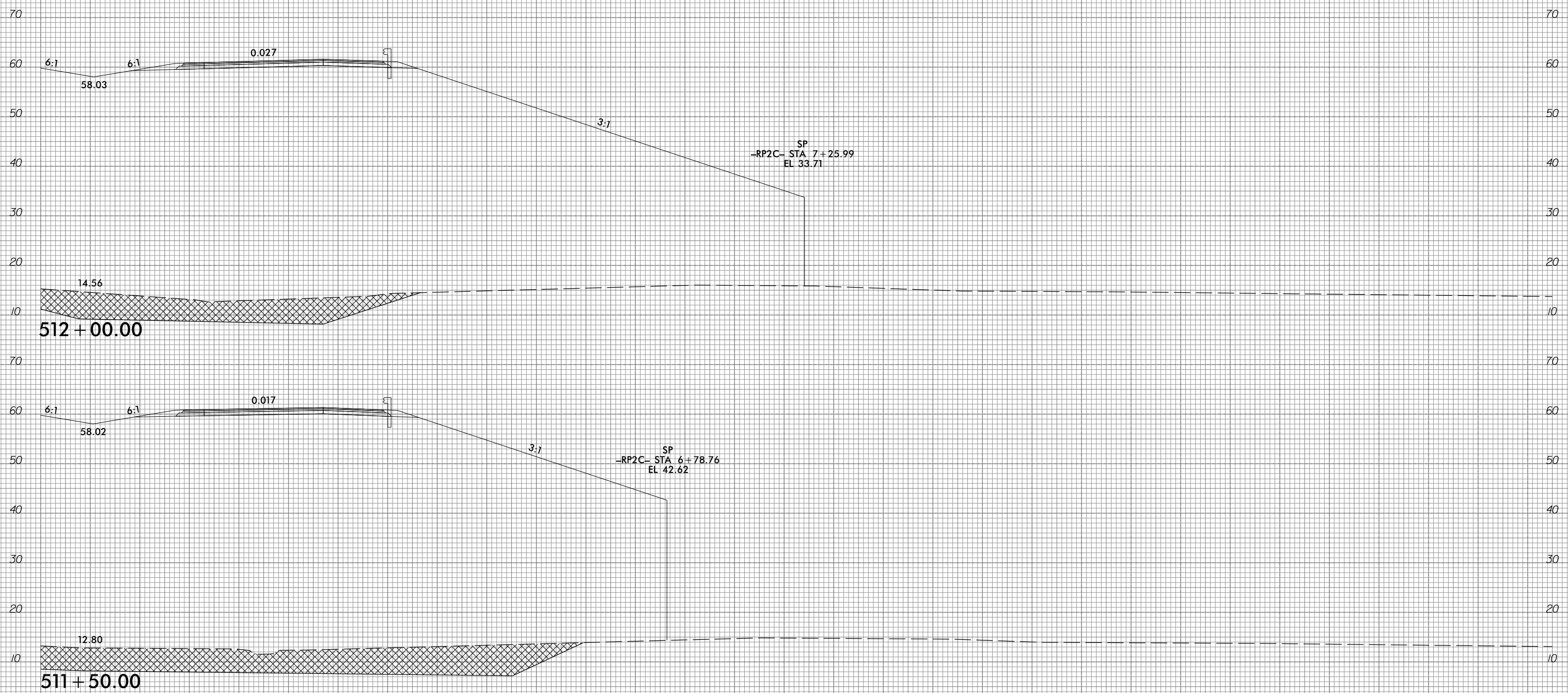
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-255

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



PROPOSED UNDERCUT



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

10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncd11

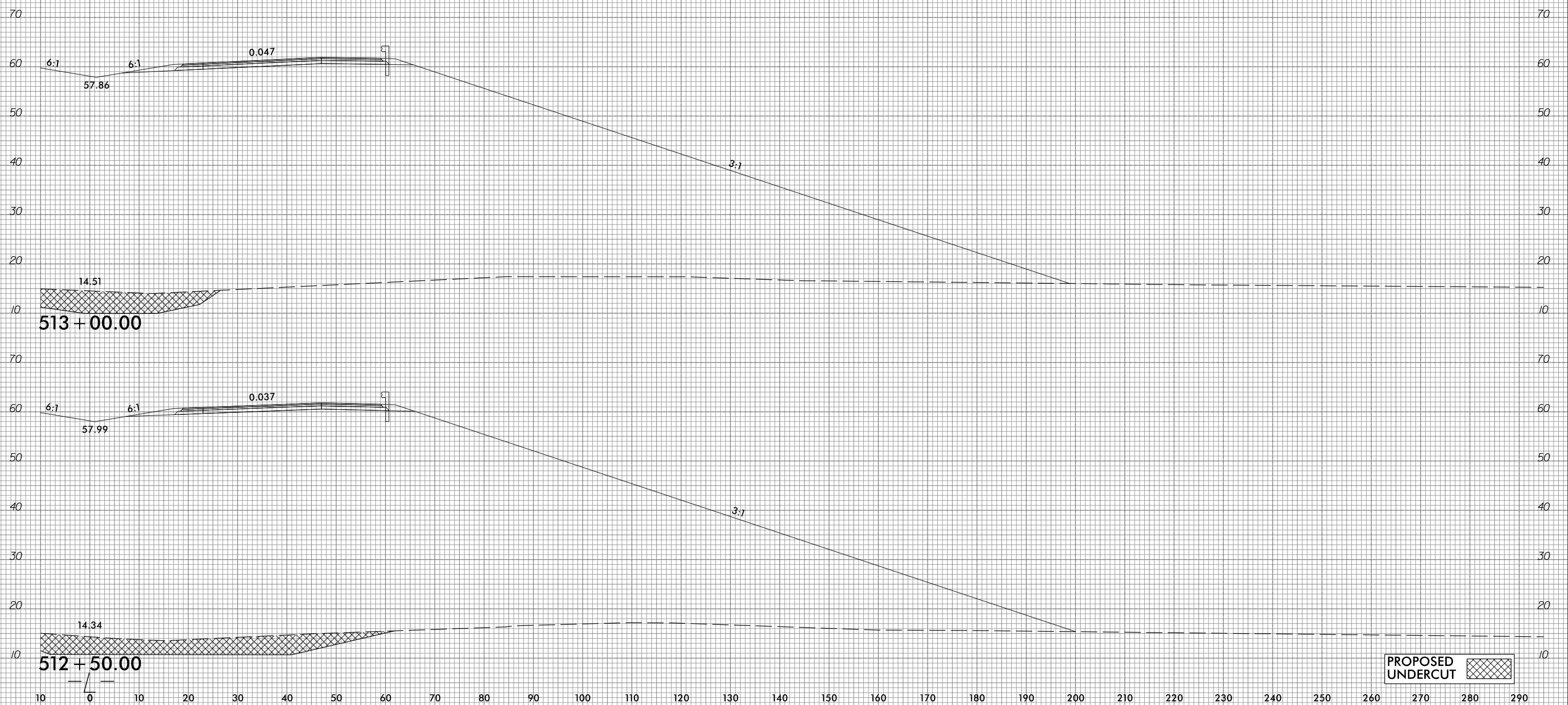
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-256

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



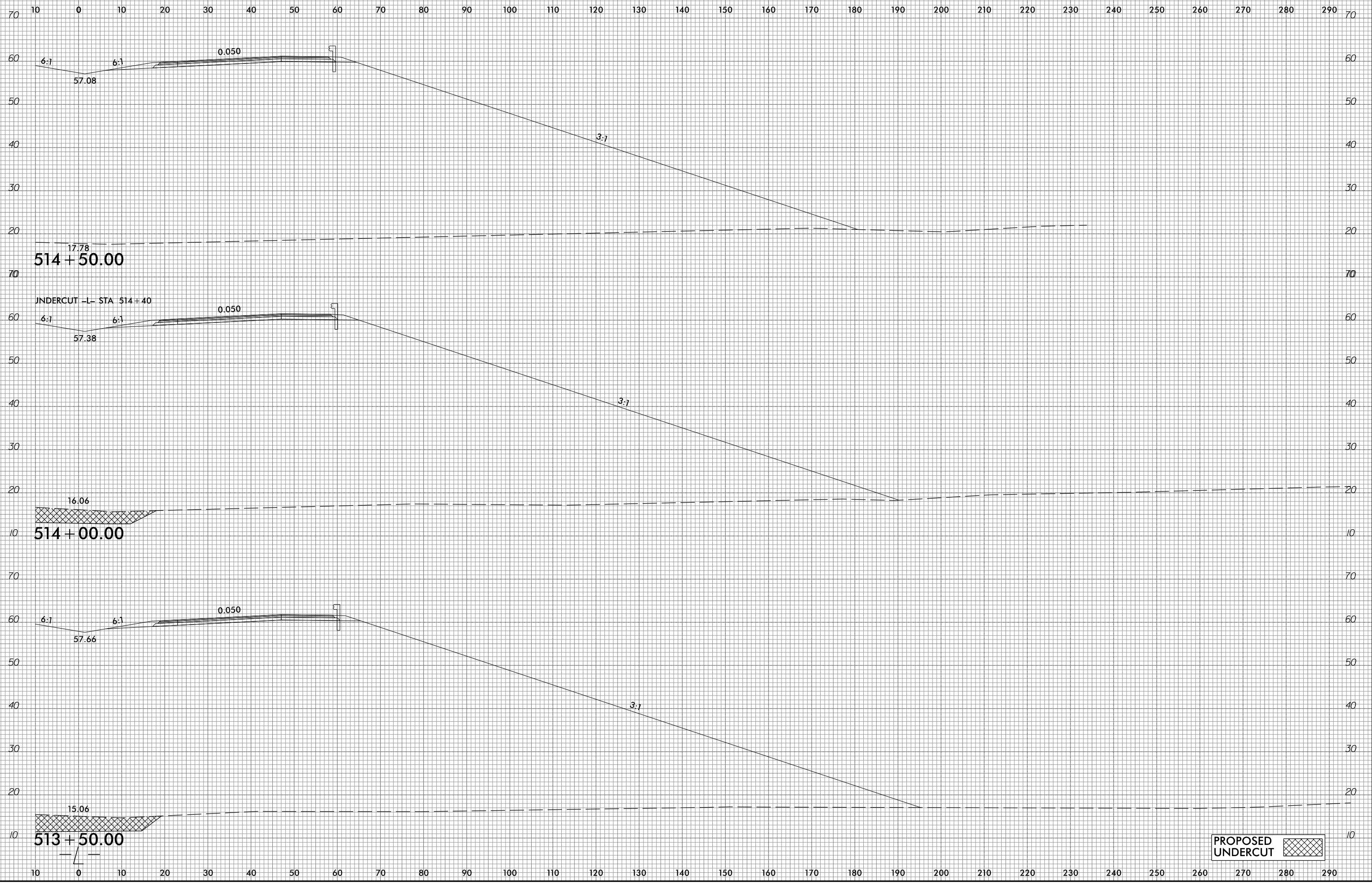
10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdjin

6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-257



514 + 50.00

UNDERCUT -L- STA 514 + 40

514 + 00.00

513 + 50.00

PROPOSED UNDERCUT

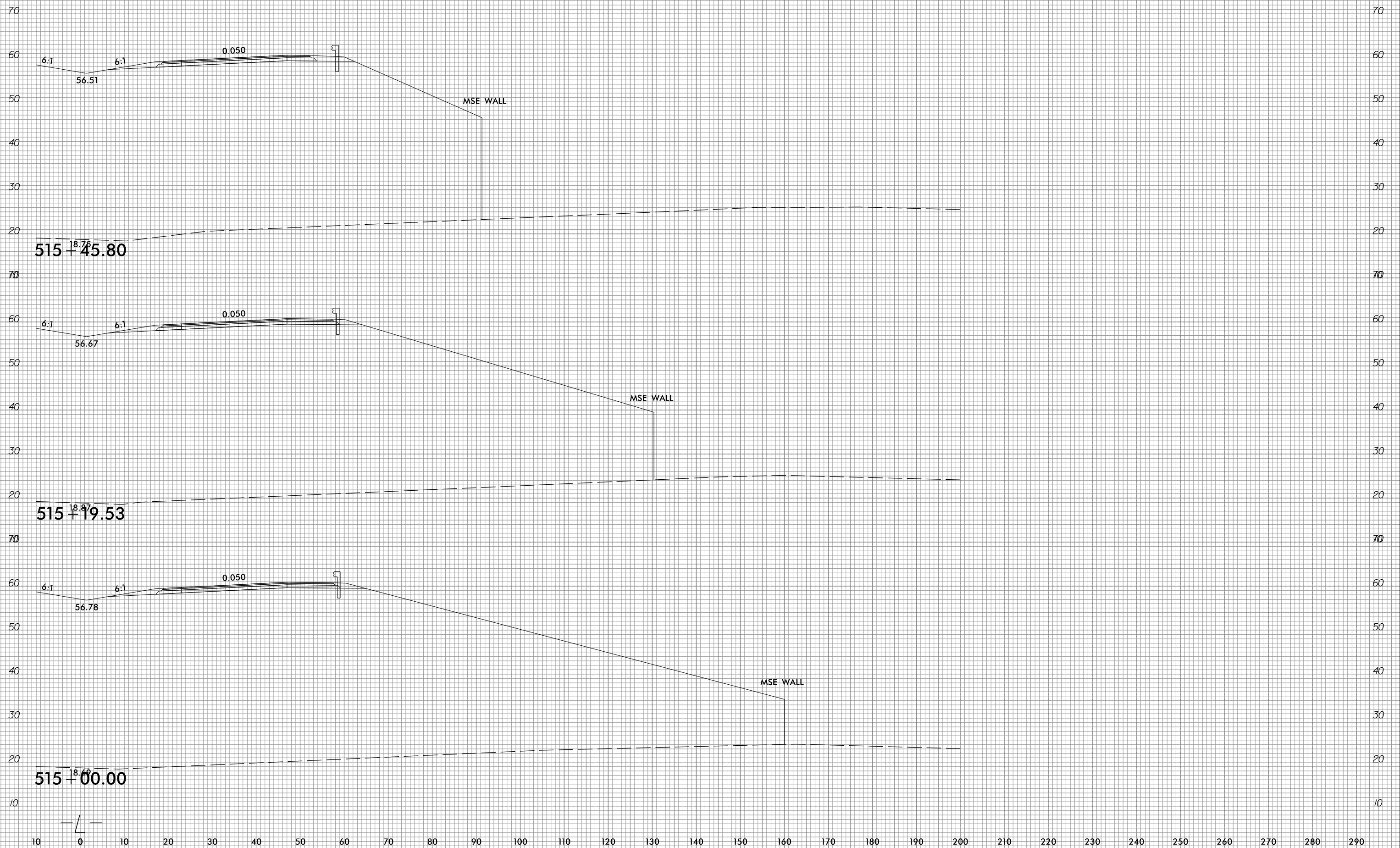
10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xpl.L.dgn  
gncdjin

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-258

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



10/31/2018  
 G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
 gncdjin

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

70 70

60 60

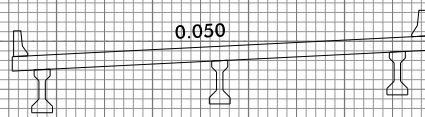
50 50

40 40

30 30

20 20

516 + 50.00



70 70

60 60

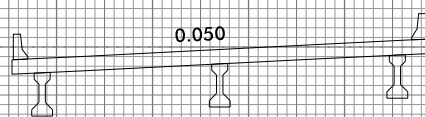
50 50

40 40

30 30

20 20

516 + 05.58



70 70

60 60

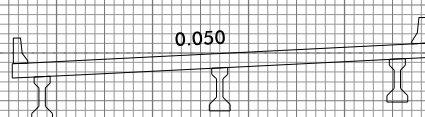
50 50

40 40

30 30

20 20

515 + 72.03



10 10

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



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

70

70

60

60

50

50

40

40

30

30

20

20

517 + 86.25

70

70

60

60

50

50

40

40

30

30

20

20

517 + 50.00

70

70

60

60

50

50

40

40

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517 + 00.00

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10

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



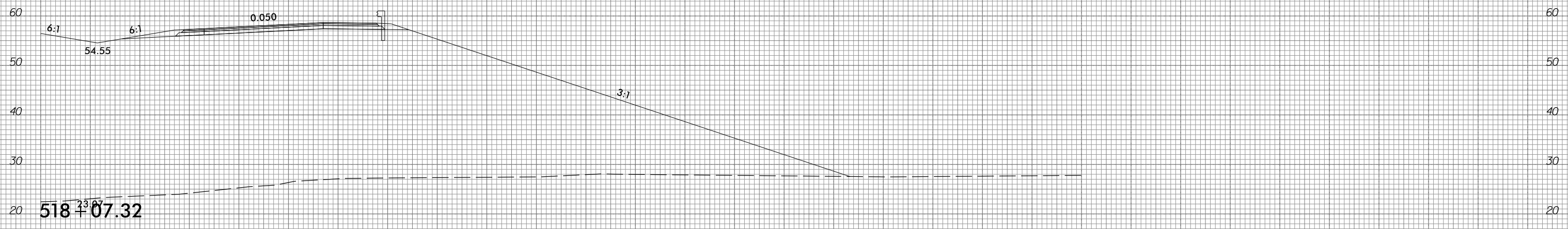
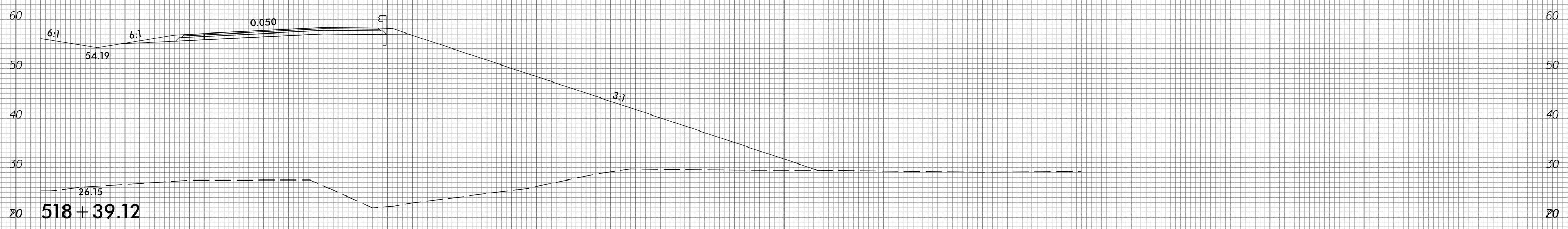
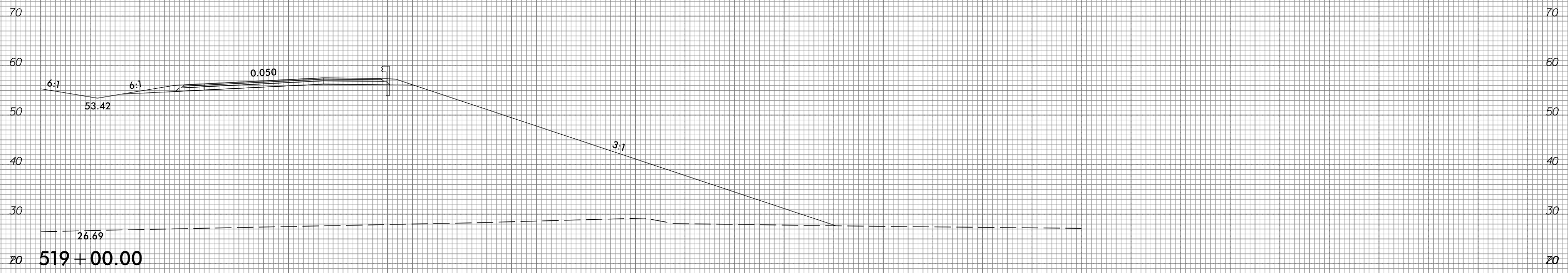
6/23/16



PROJ. REFERENCE NO.
R-1015

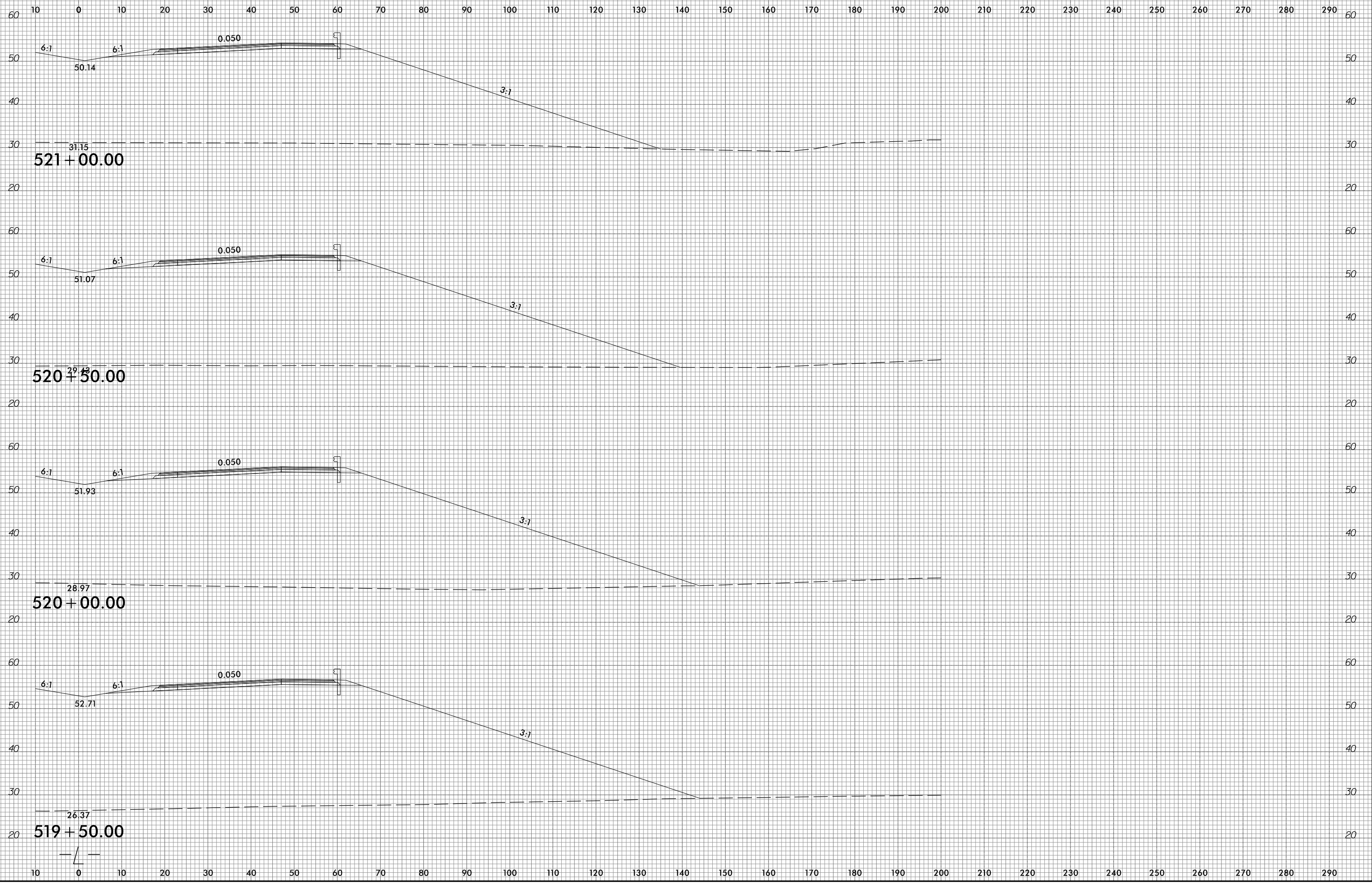
SHEET NO.
X-261

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

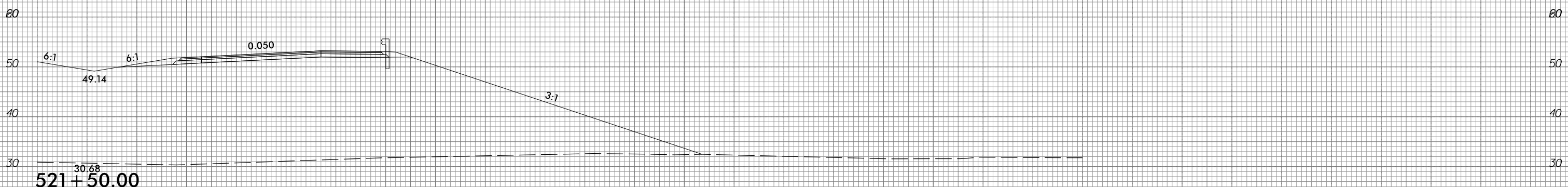
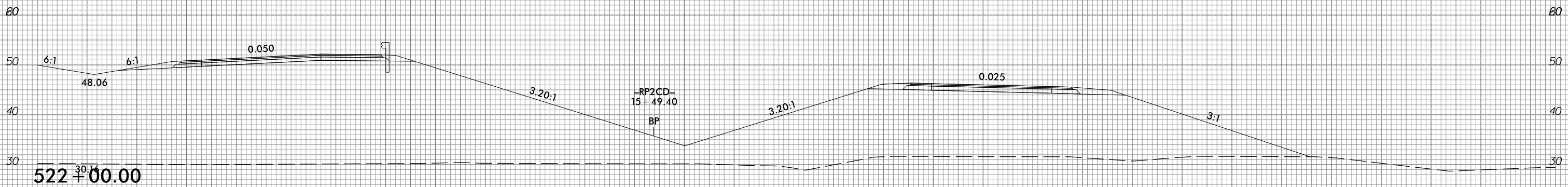
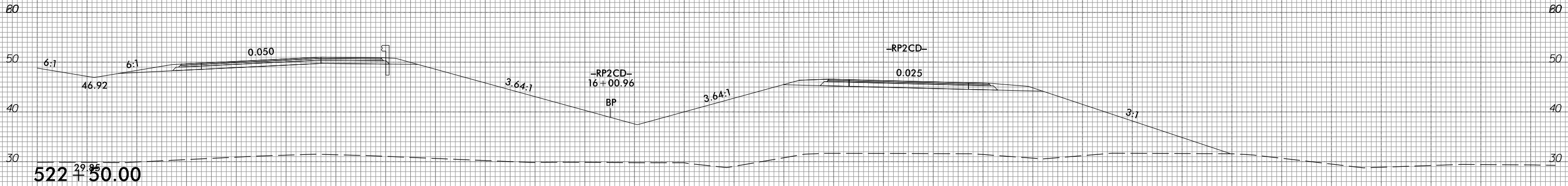
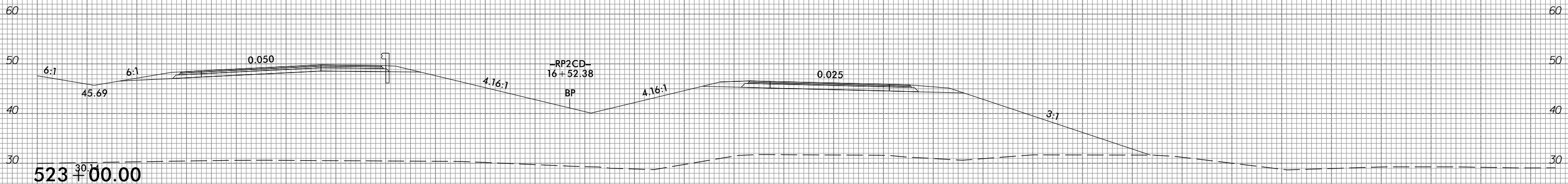


10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290

10/31/2018  
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 gmc311



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



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

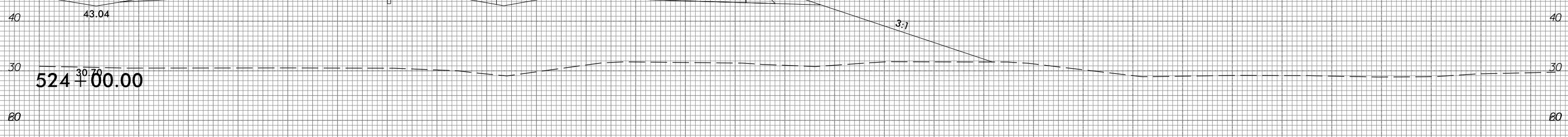
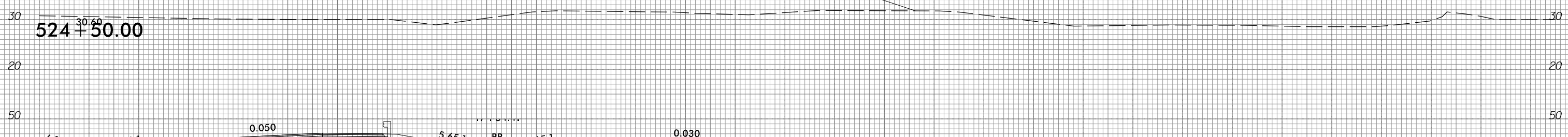
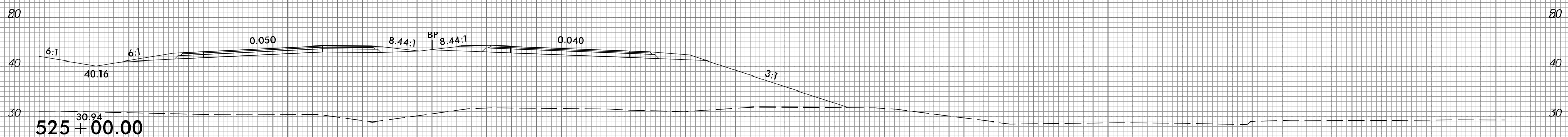
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-264

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



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

10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin

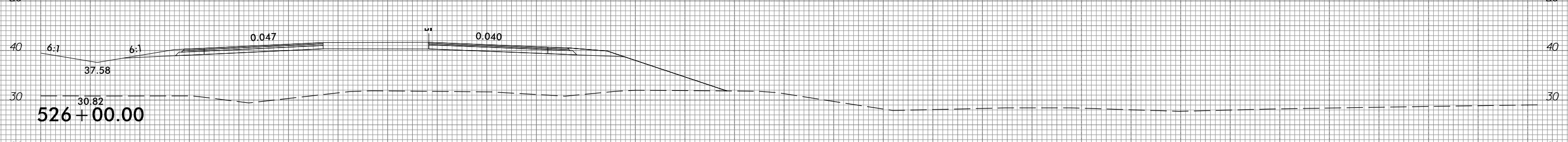
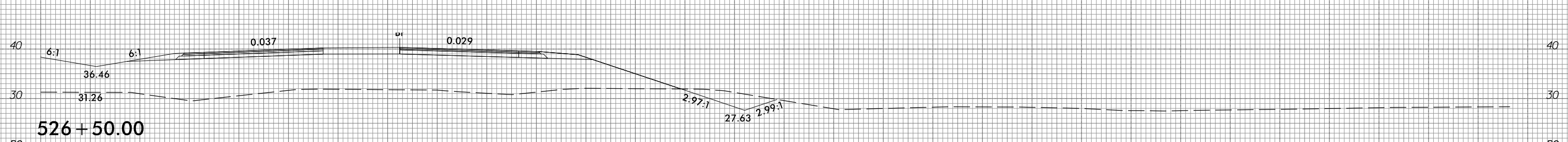
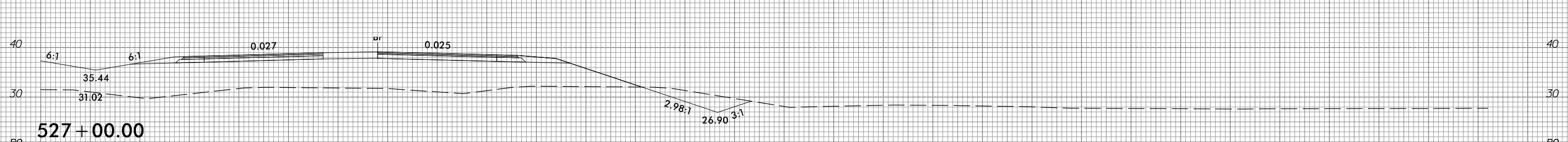
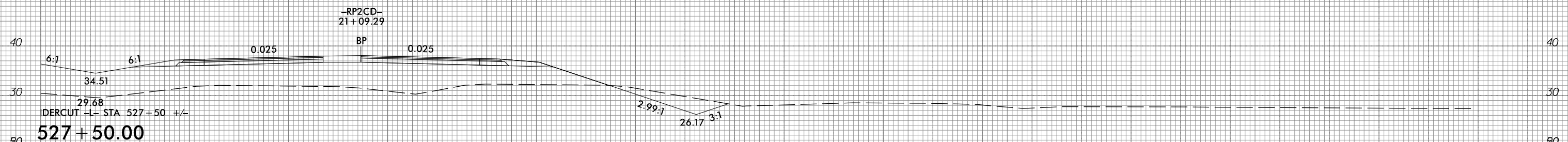
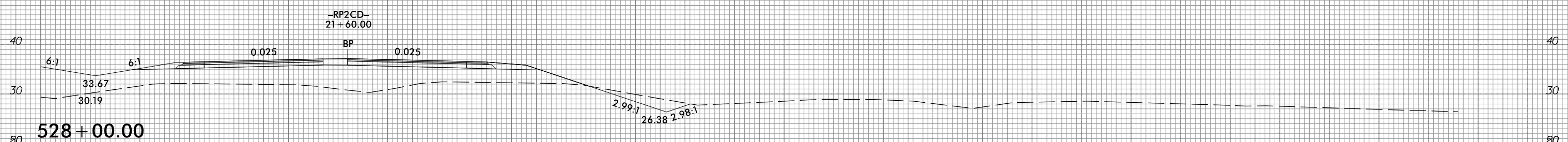
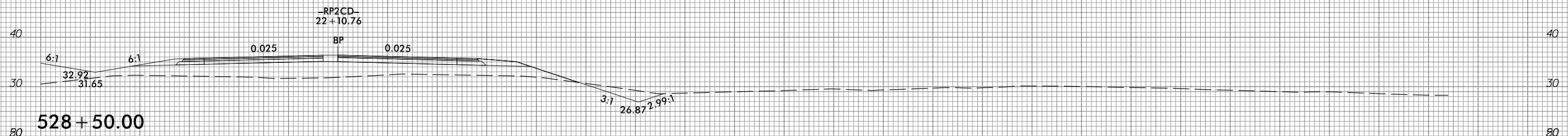
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-265

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



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

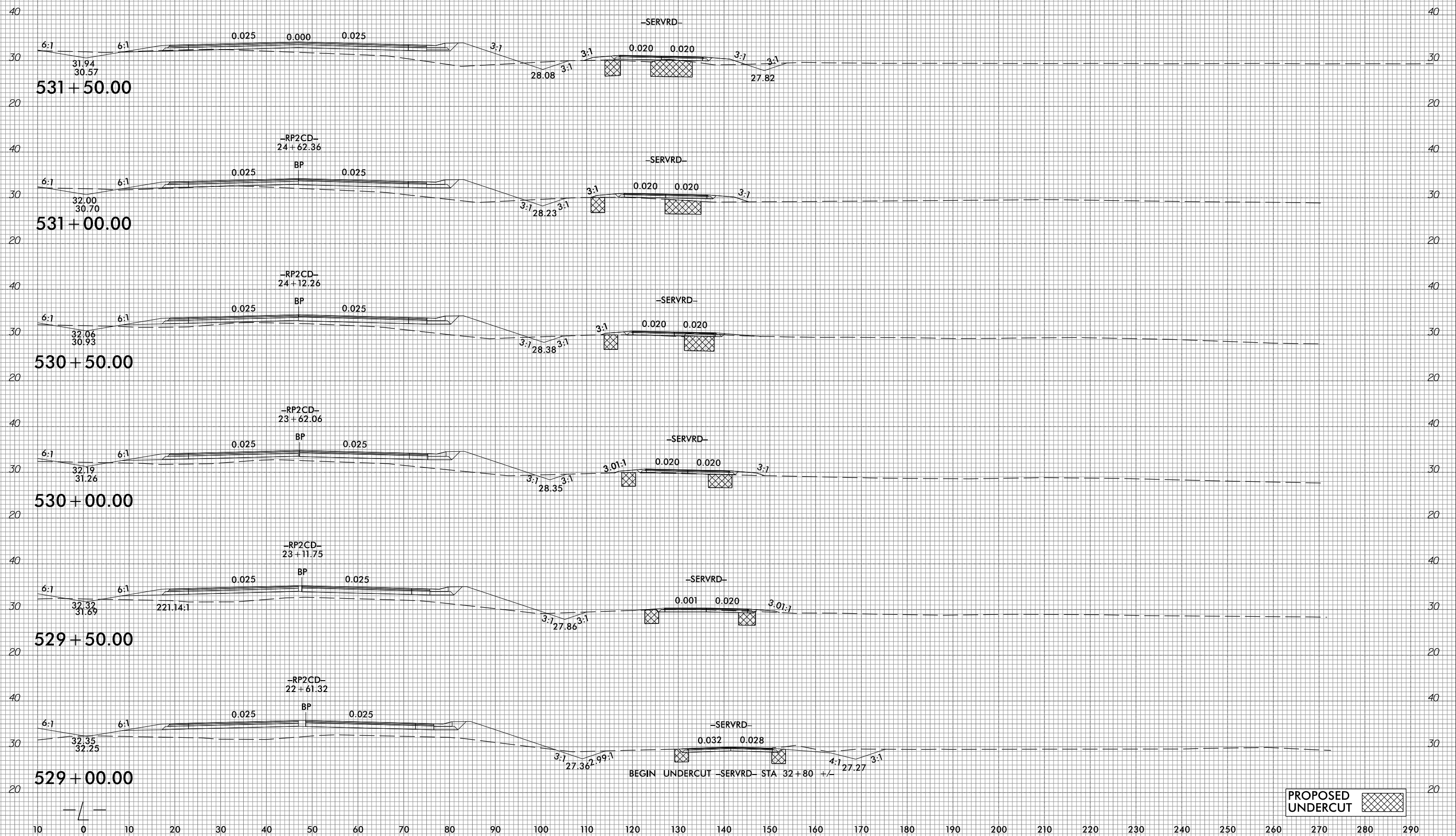
10/31/2018 9:29:02 CAD\1015\Roadway\XSC\1015\_xpl.dgn gncdlin

6/23/16

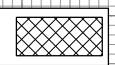


PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-266

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



PROPOSED UNDERCUT



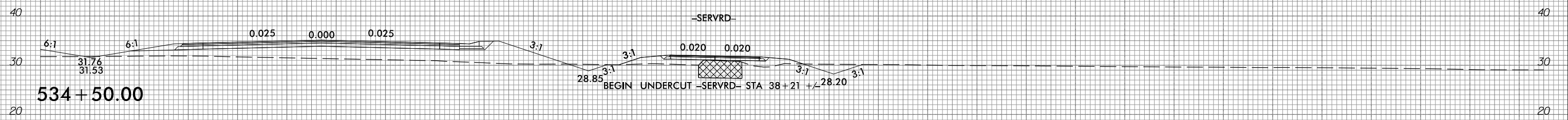
10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn  
gncdlin

6/23/16

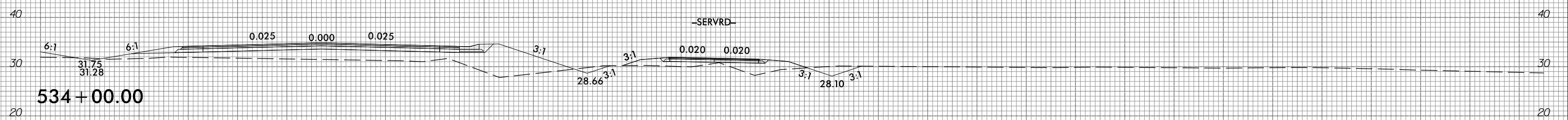


PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-267

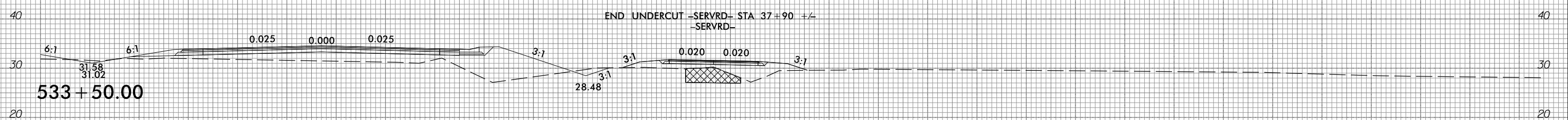
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290



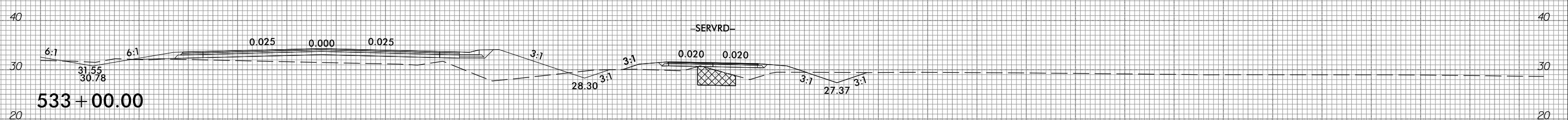
534 + 50.00



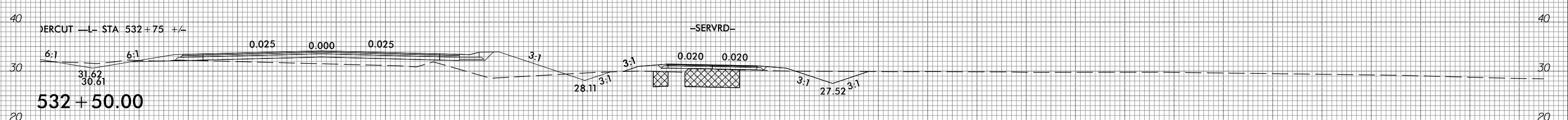
534 + 00.00



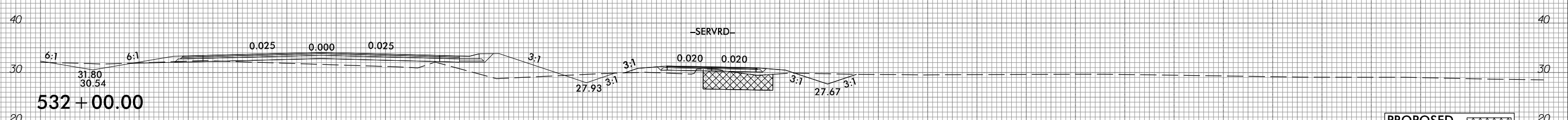
533 + 50.00



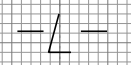
533 + 00.00



532 + 50.00



532 + 00.00



PROPOSED  
UNDERCUT

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

10/31/2018 9:29:02 CAD\A1015\Roadway\XSC\A1015\_xpl.dgn gncdlr

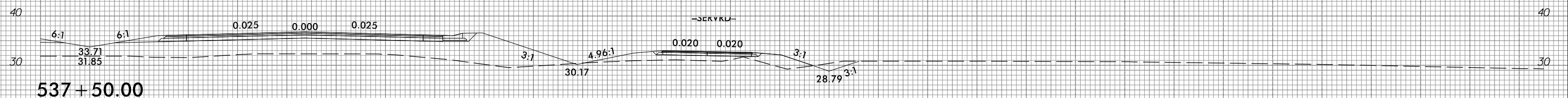


6/23/16

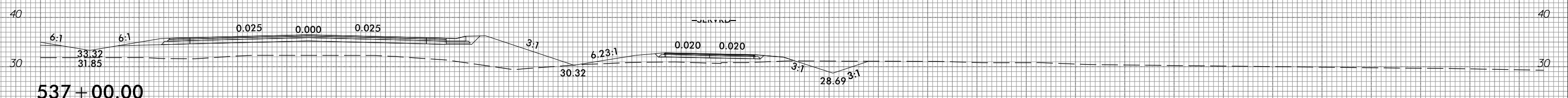


PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-268

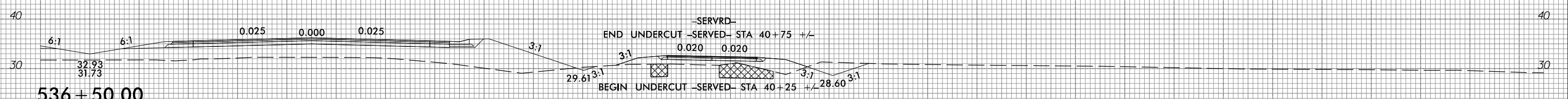
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290



537 + 50.00

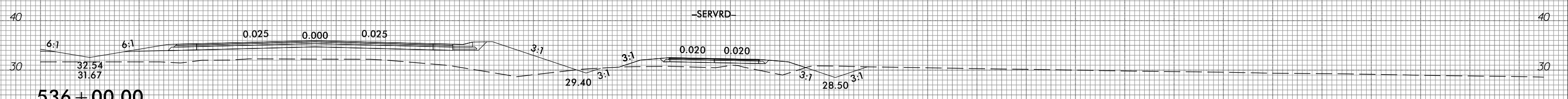


537 + 00.00

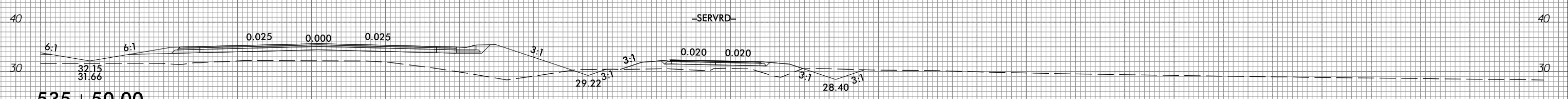


536 + 50.00

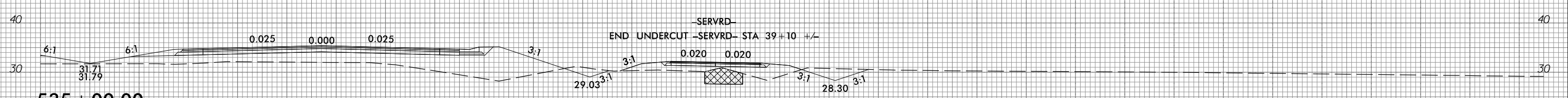
END UNDERCUT -SERVRD- STA 40+75 +/-  
 BEGIN UNDERCUT -SERVRD- STA 40+25 +/-



536 + 00.00



535 + 50.00



535 + 00.00

PROPOSED UNDERCUT

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

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 gmcjlin

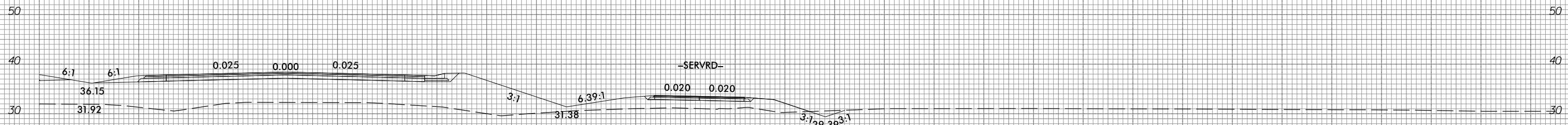
6/23/16



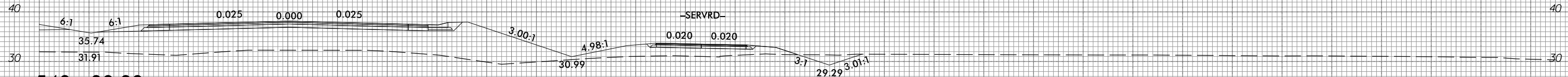
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-269

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



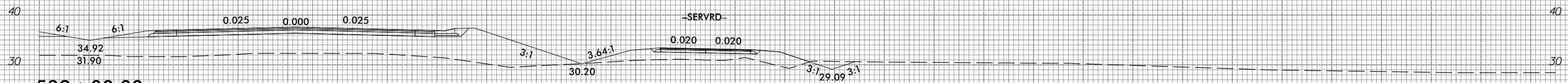
540 + 50.00



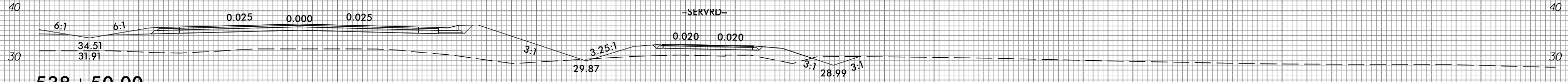
540 + 00.00



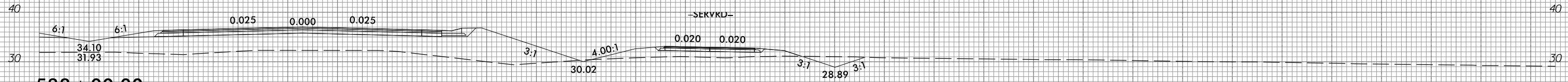
539 + 50.00



539 + 00.00



538 + 50.00



538 + 00.00

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

10/31/2018  
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gncd11

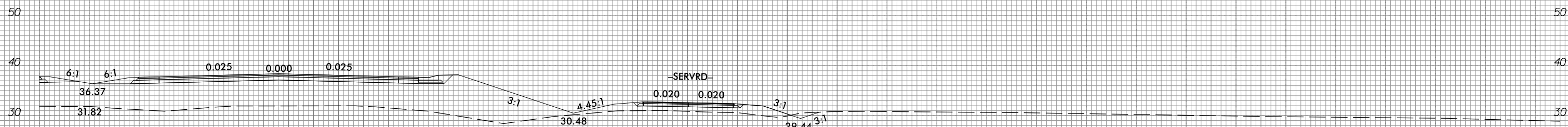
6/23/16



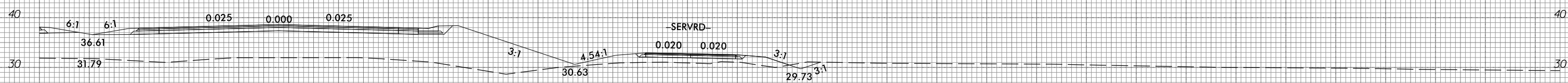
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-270

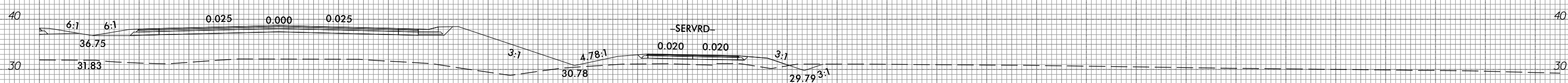
10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290



543 + 50.00



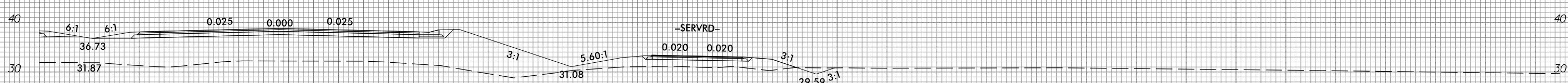
543 + 00.00



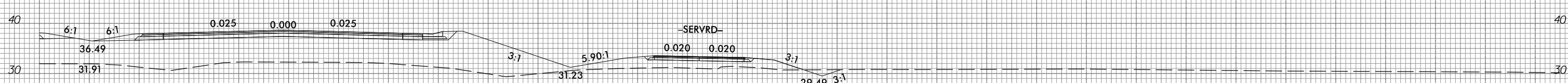
542 + 50.00



542 + 00.00



541 + 50.00



541 + 00.00

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

10/31/2016 10:31:29 AM G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1.L.dgn gncdlin

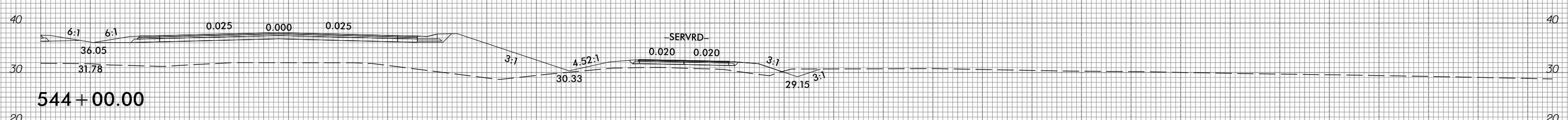
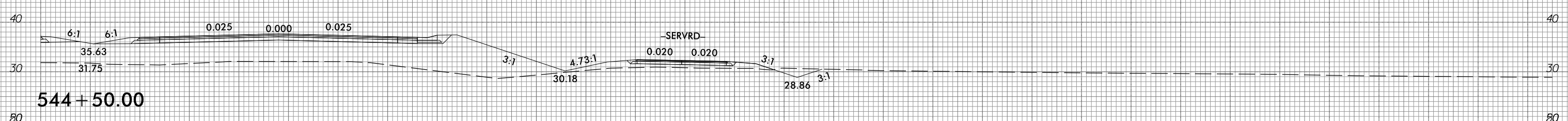
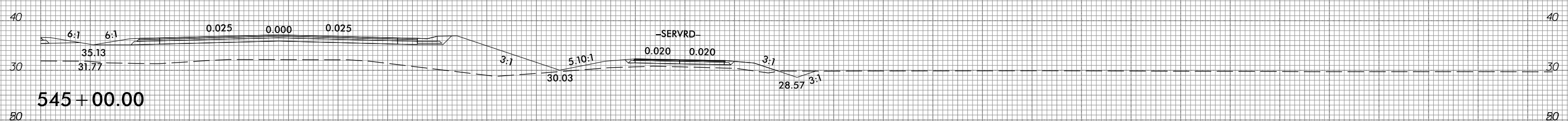
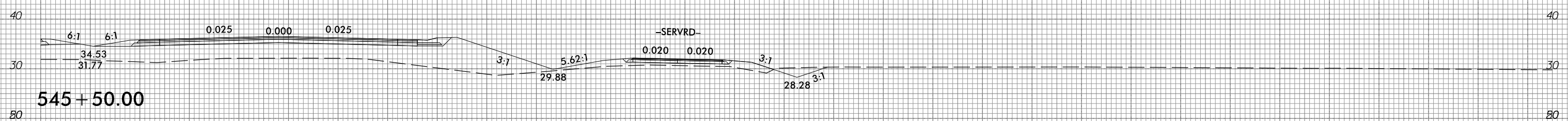
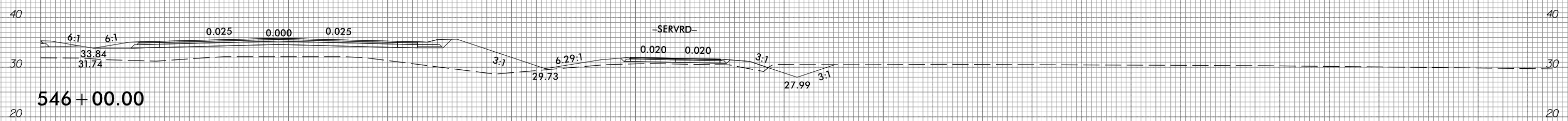
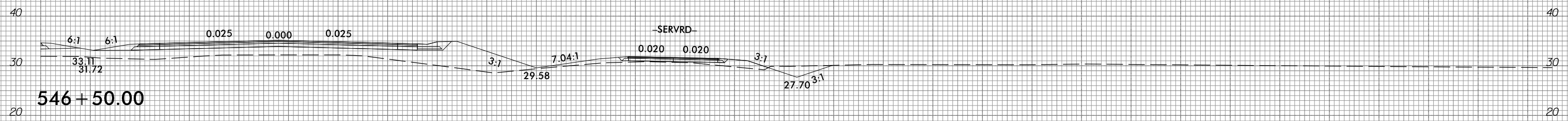
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-271

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

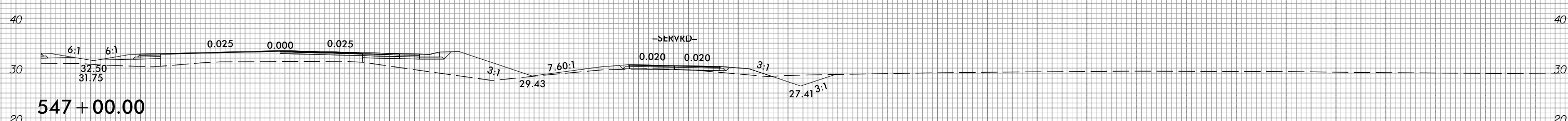
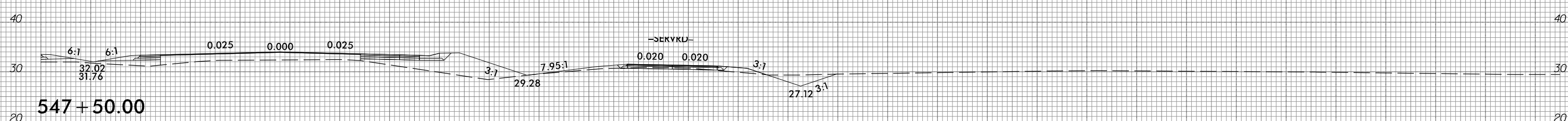
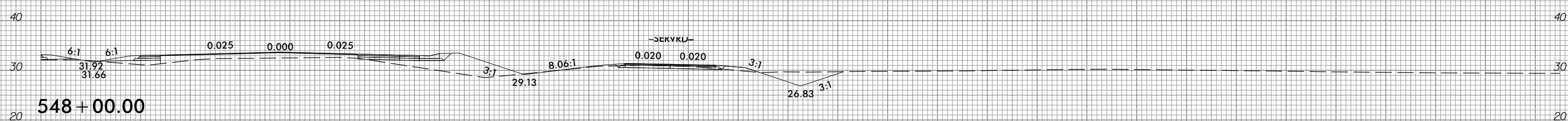
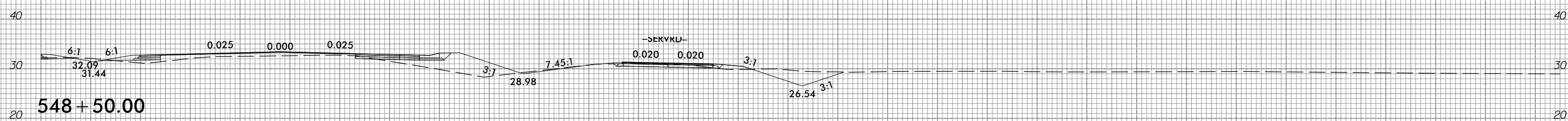
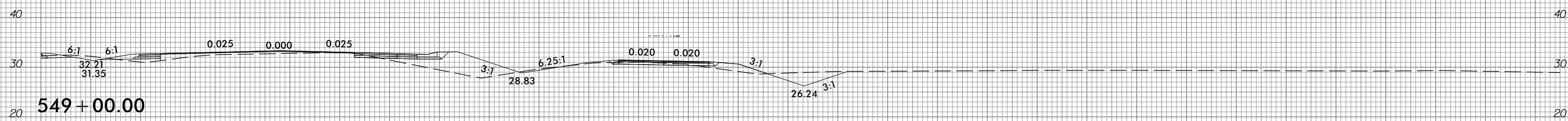
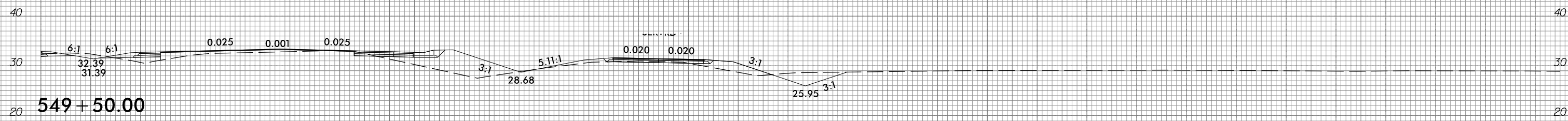


10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290

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gncdlin



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



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

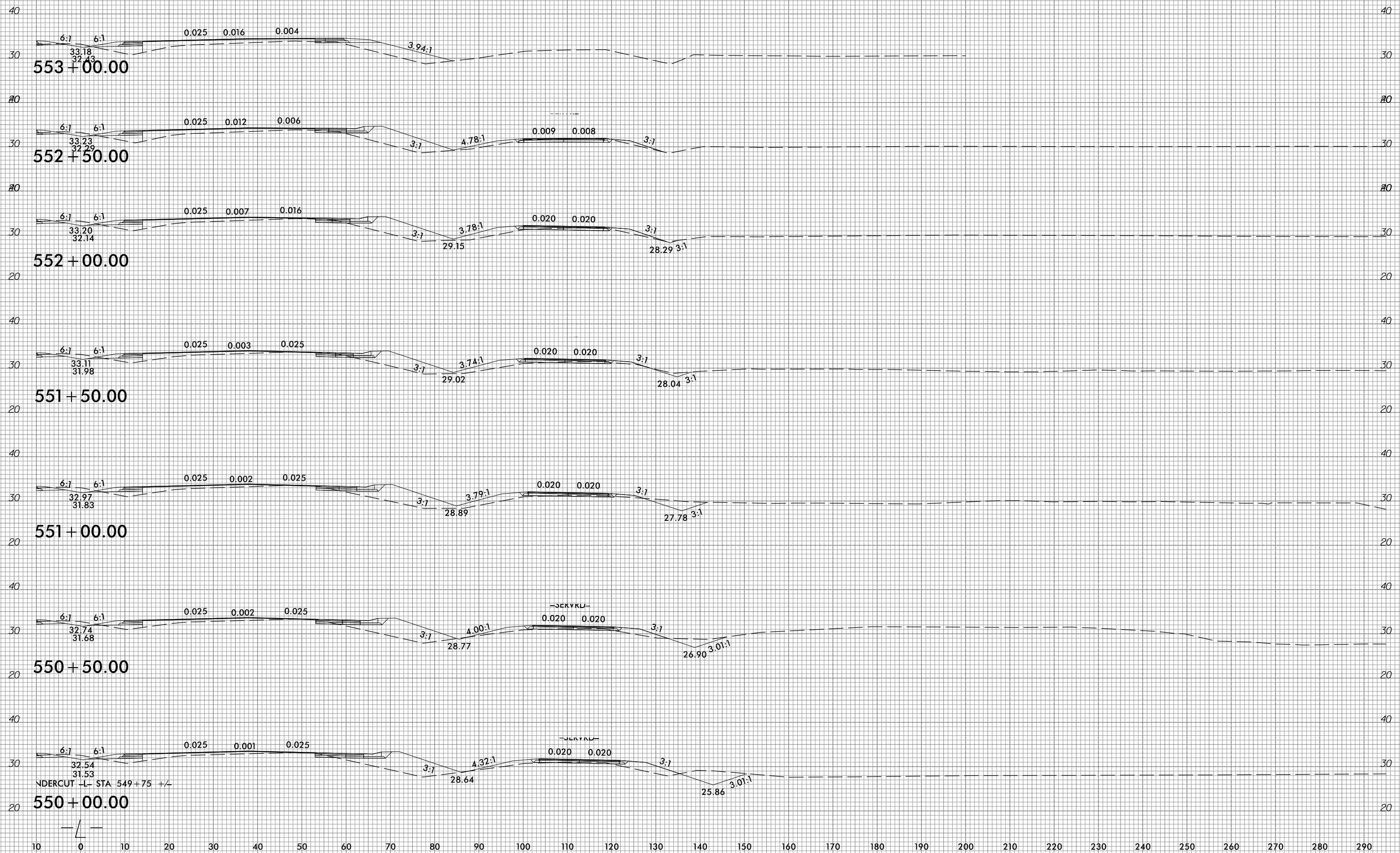
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-273

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



553+00.00

552+50.00

552+00.00

551+50.00

551+00.00

550+50.00

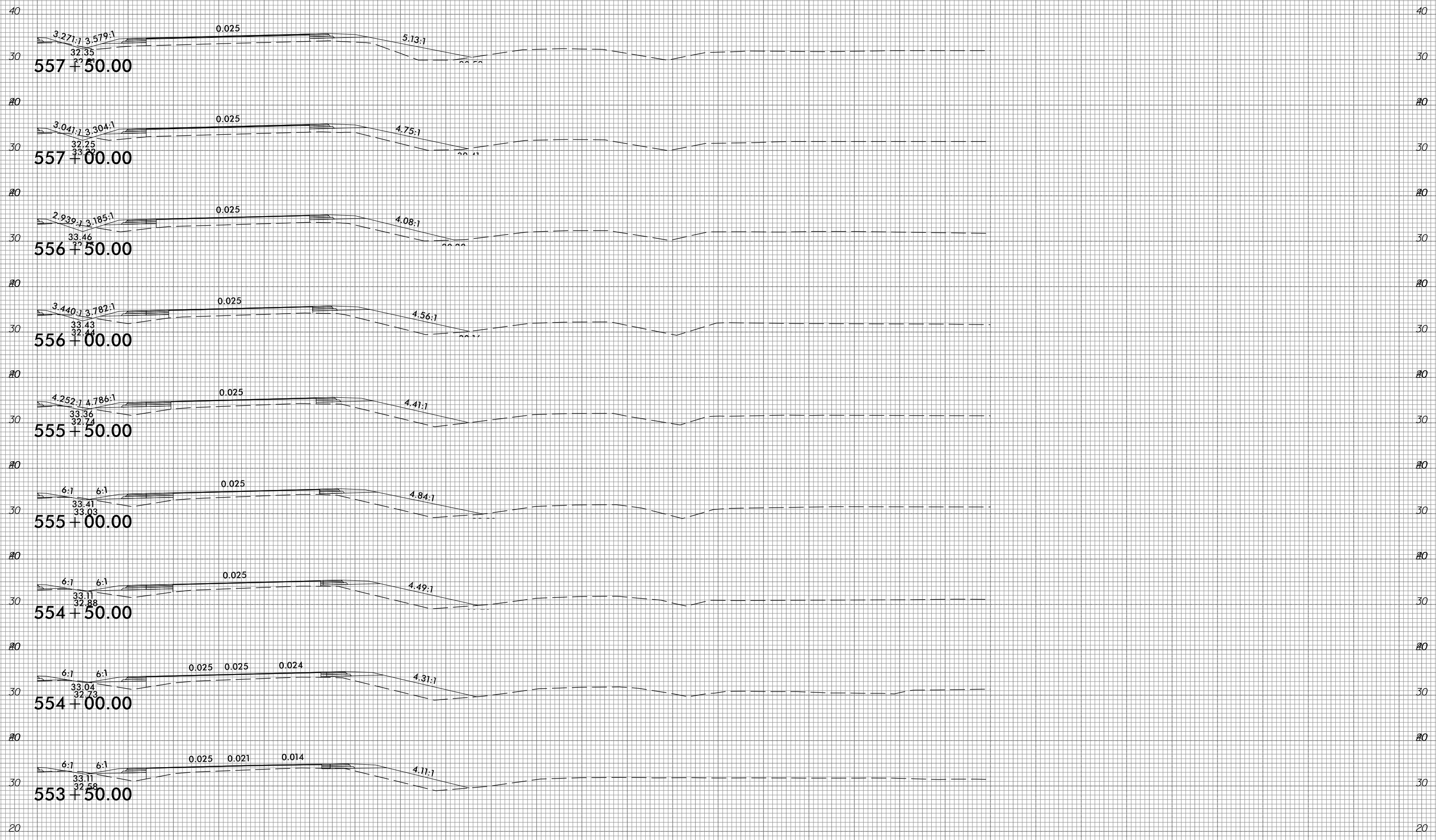
550+00.00

UNDERCUT -L- STA 549+75 +/-

10/31/2018  
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gnc011n



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



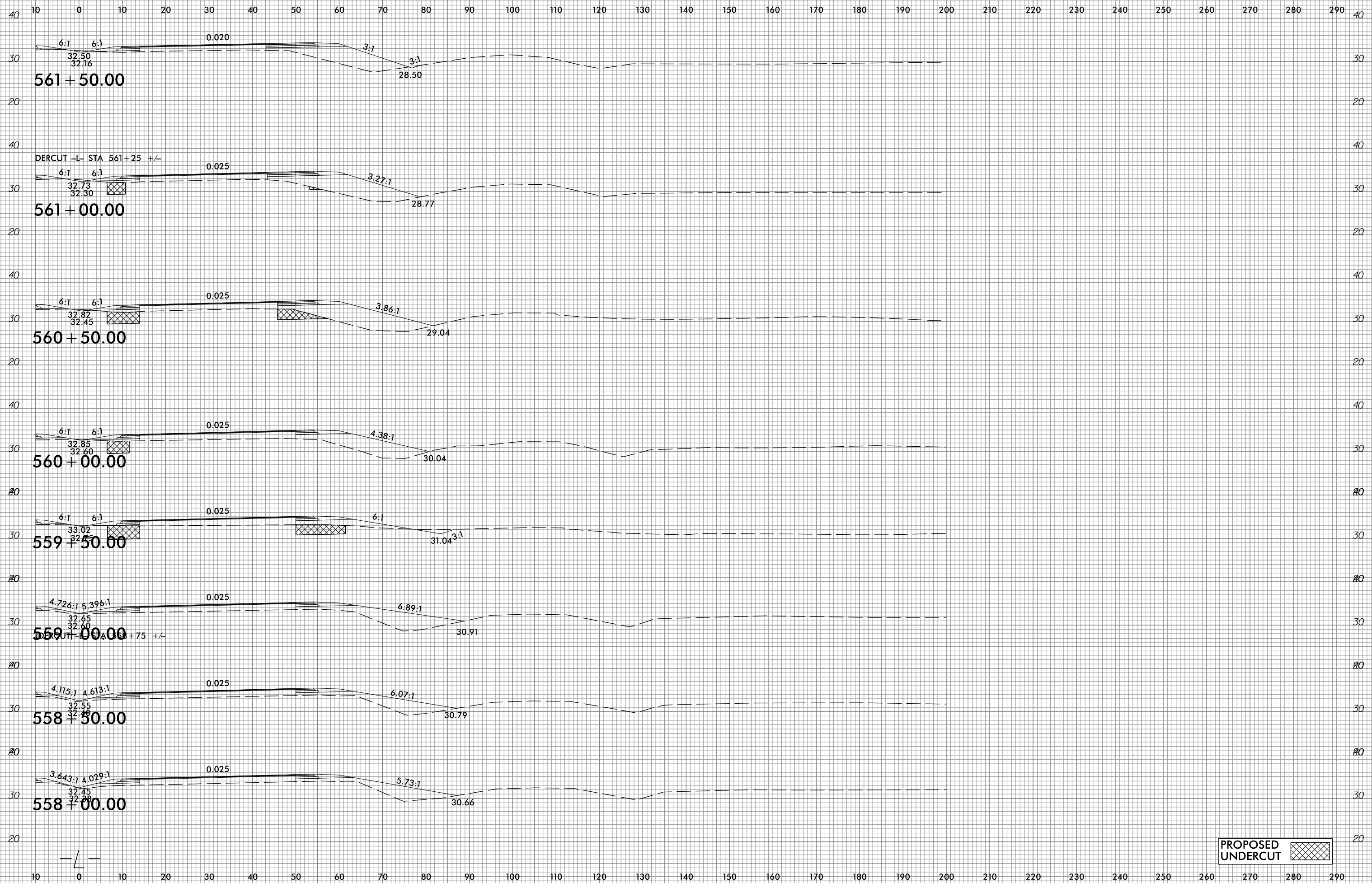
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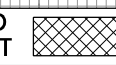
PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-275



10/31/2018  
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gmc311

PROPOSED  
UNDERCUT





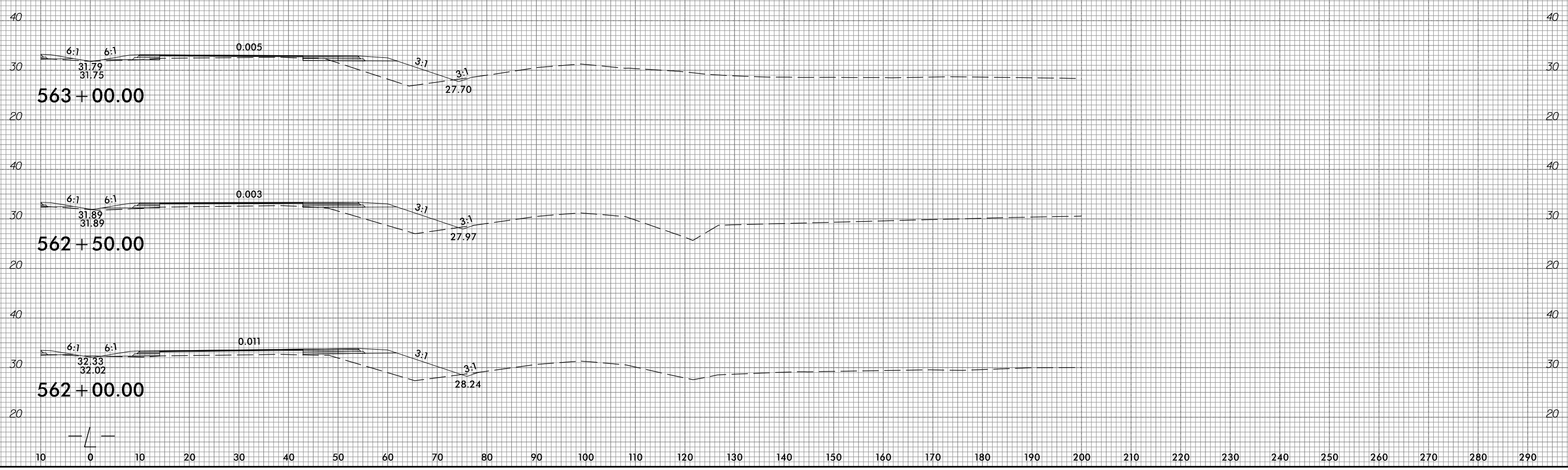
6/23/16



PROJ. REFERENCE NO.
R-1015

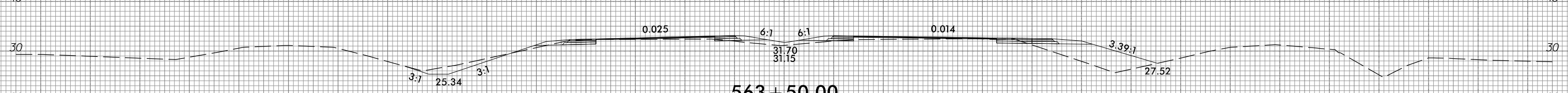
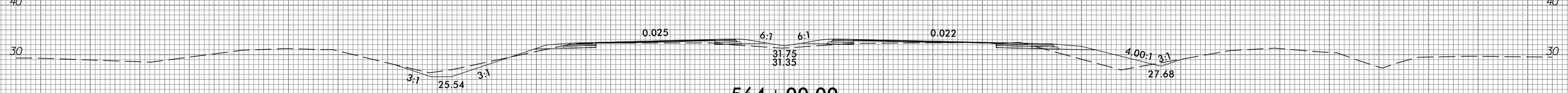
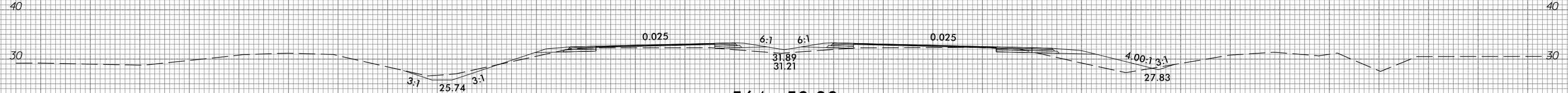
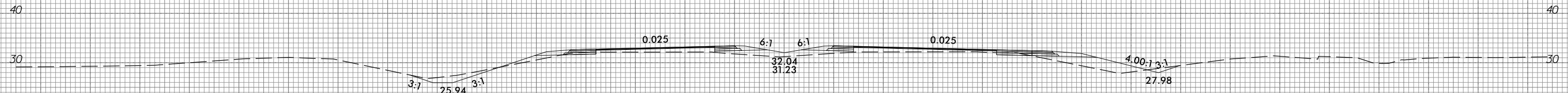
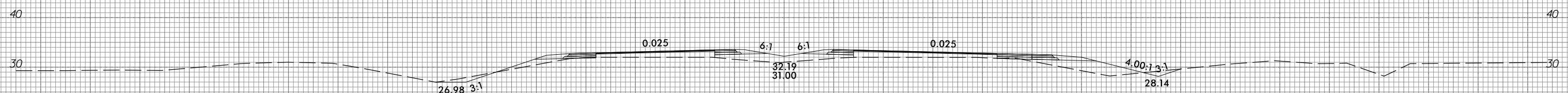
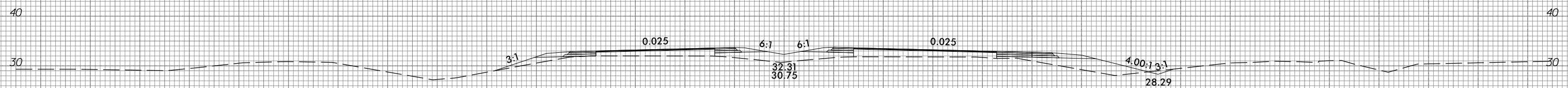
SHEET NO.
X-276

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



10/31/2016  
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 gmc311

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



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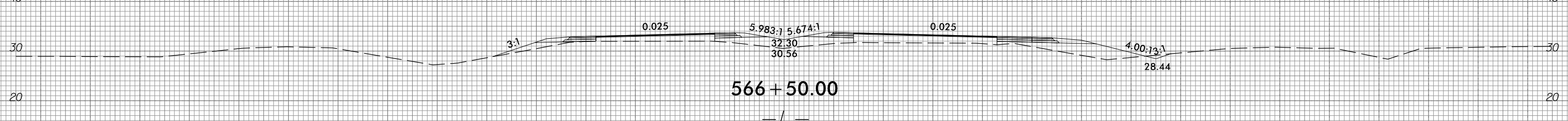
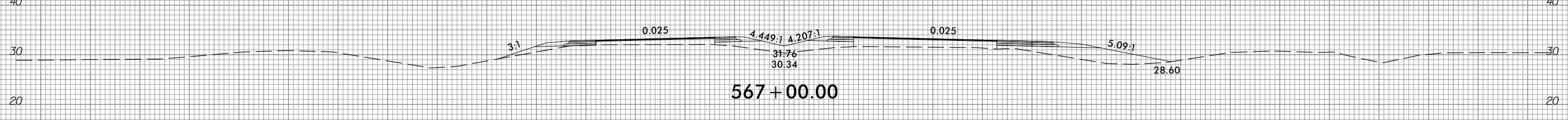
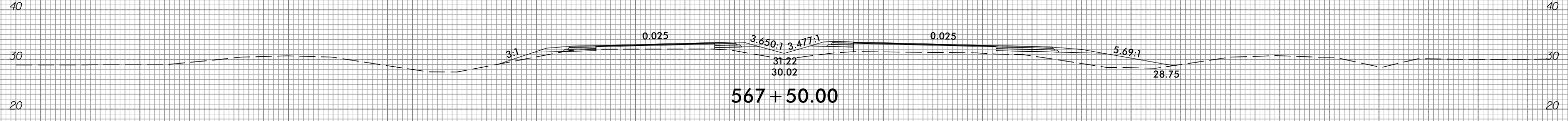
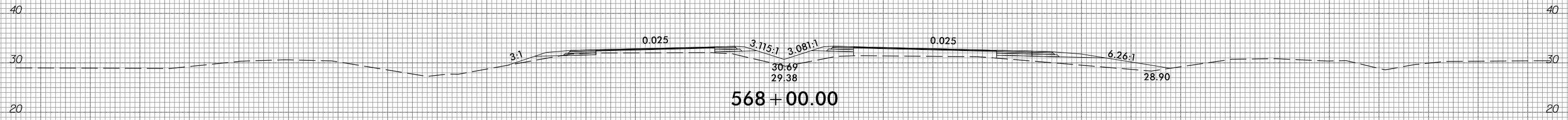
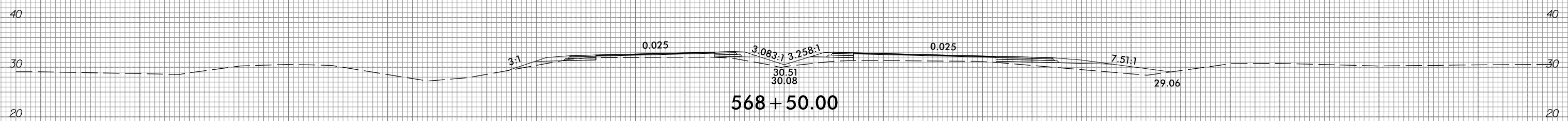
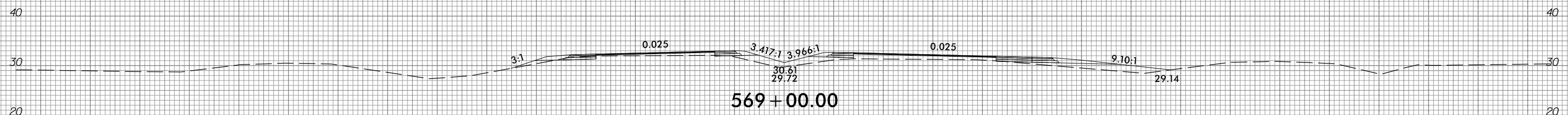
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-278

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



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

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gncdlin

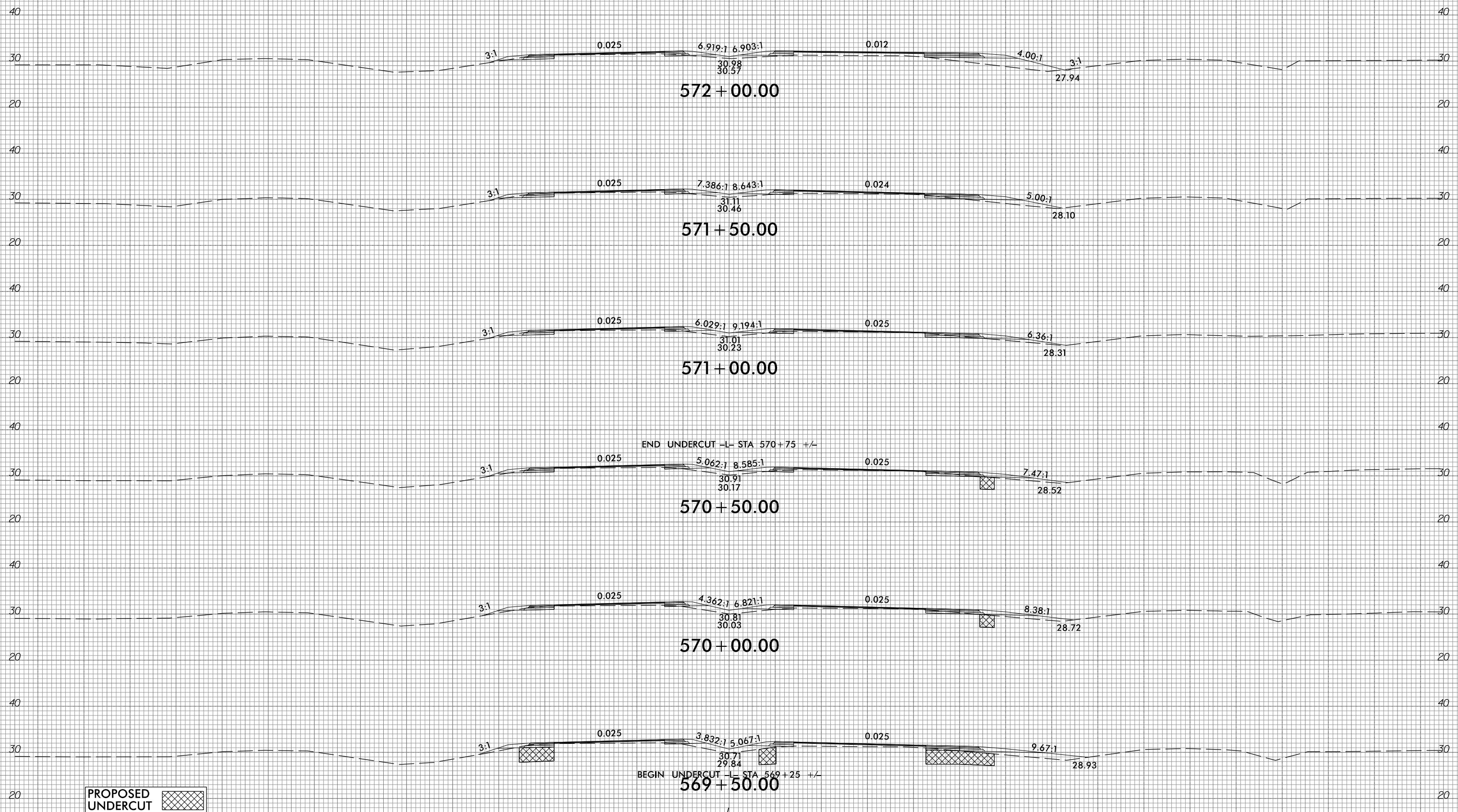
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-279

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



END UNDERCUT -L- STA 570+75 +/-

BEGIN UNDERCUT -L- STA 569+25 +/-

PROPOSED UNDERCUT



10/31/2018  
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gmc311

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

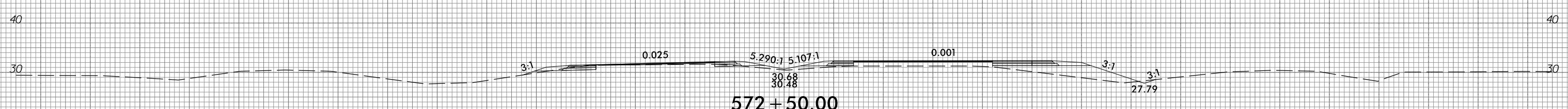
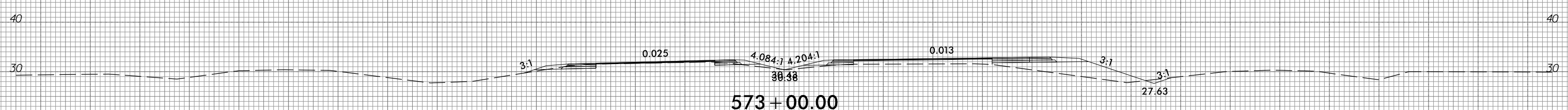
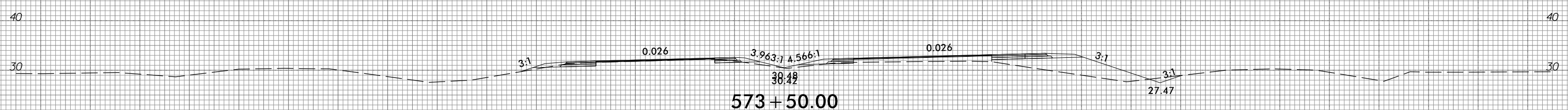
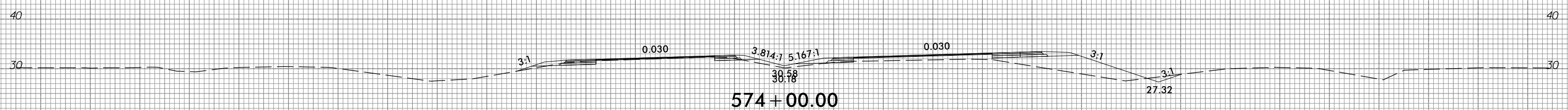
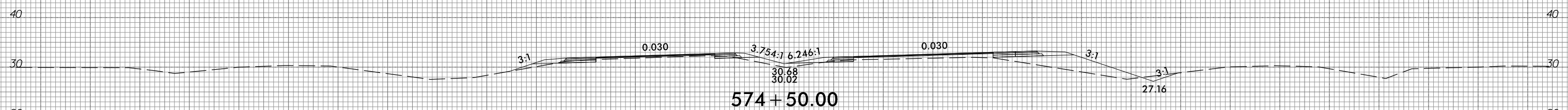
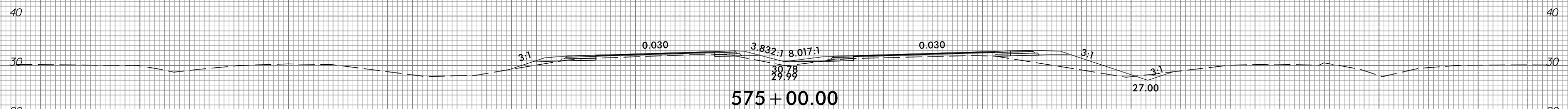
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-280

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



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

10/31/2016  
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gncdjin

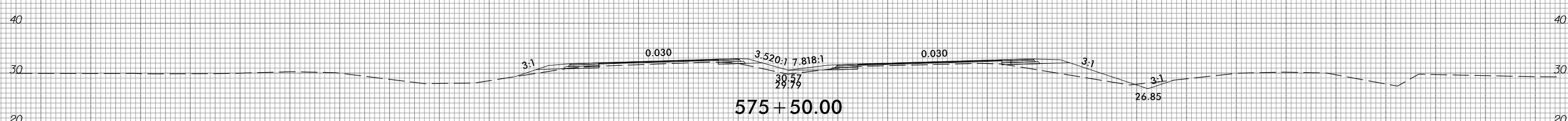
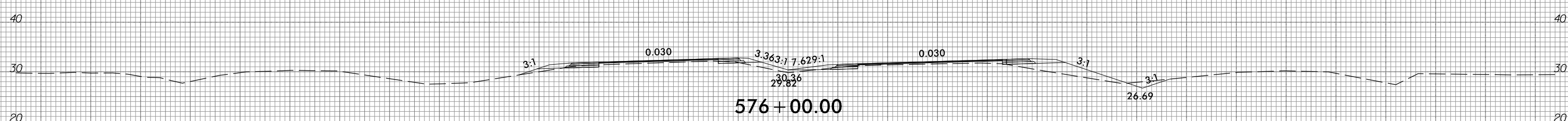
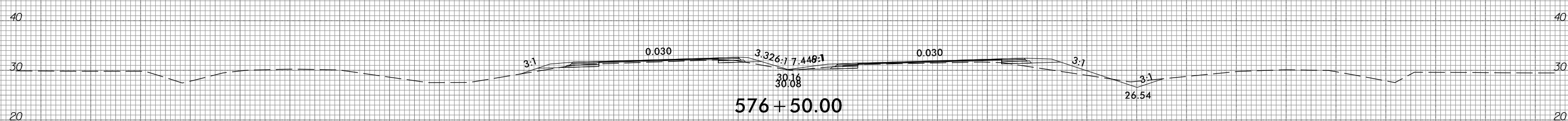
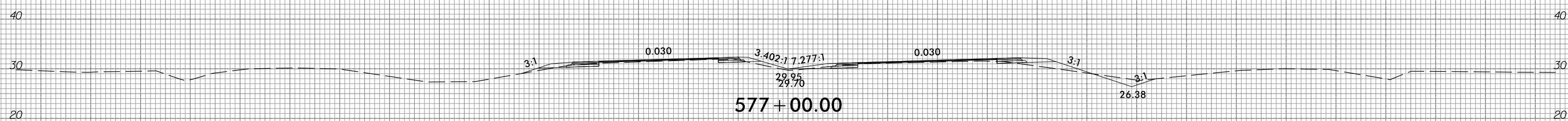
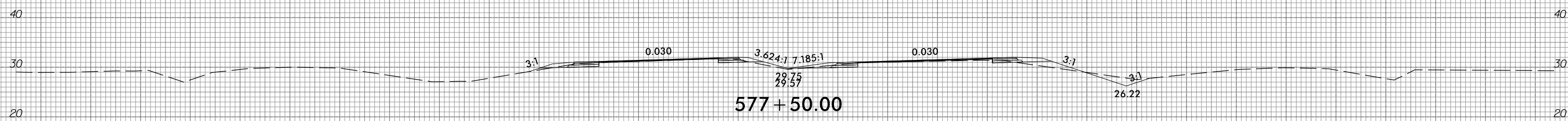
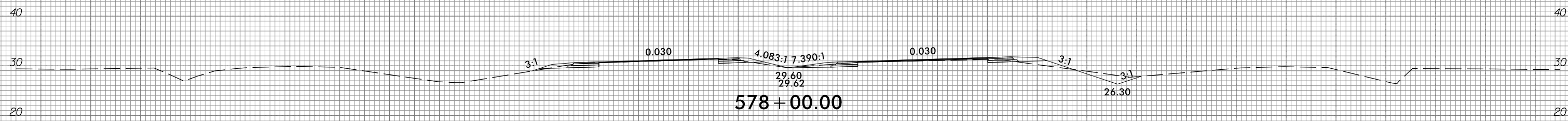
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-281

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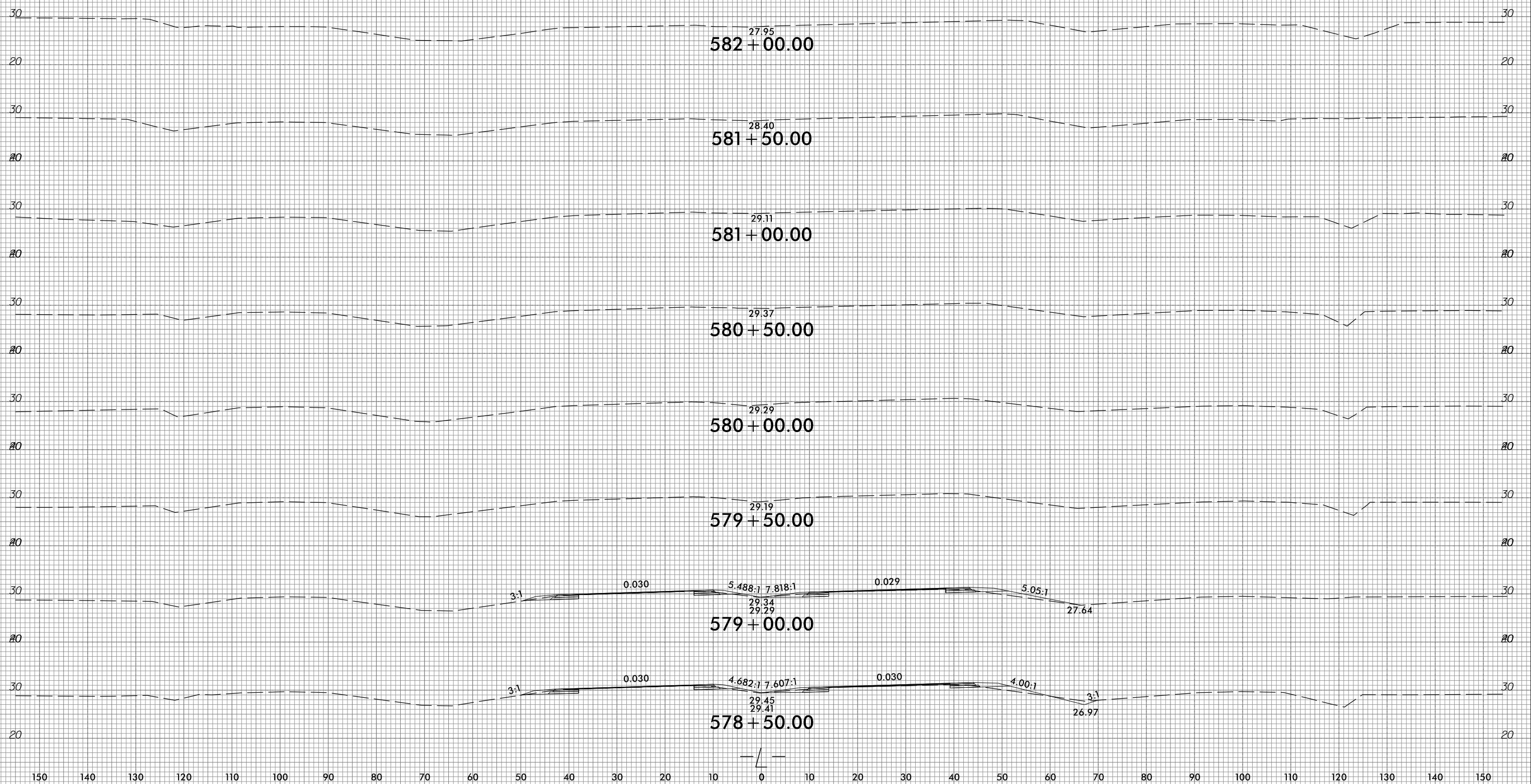


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

10/31/2016  
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gncdjin



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

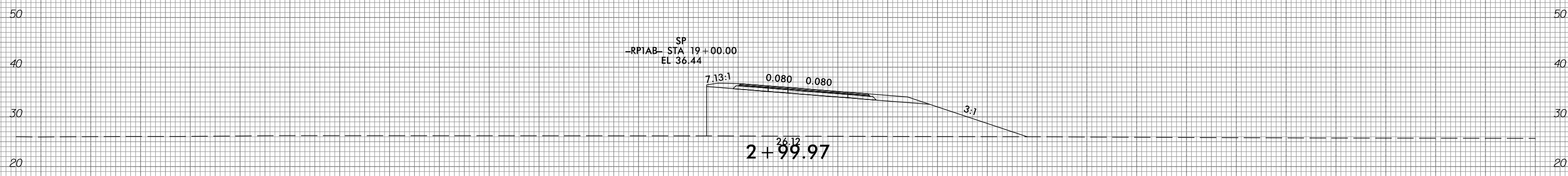
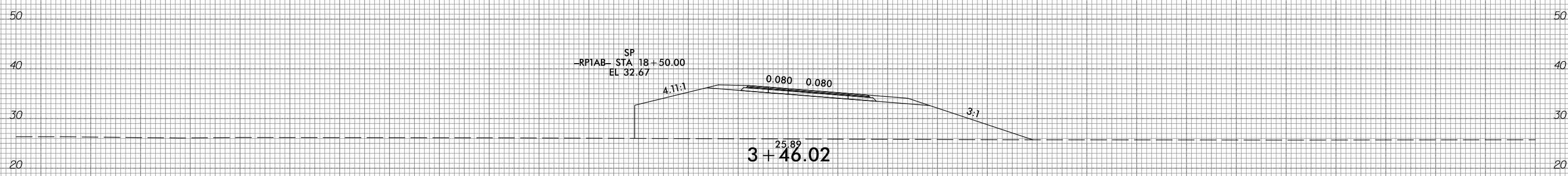
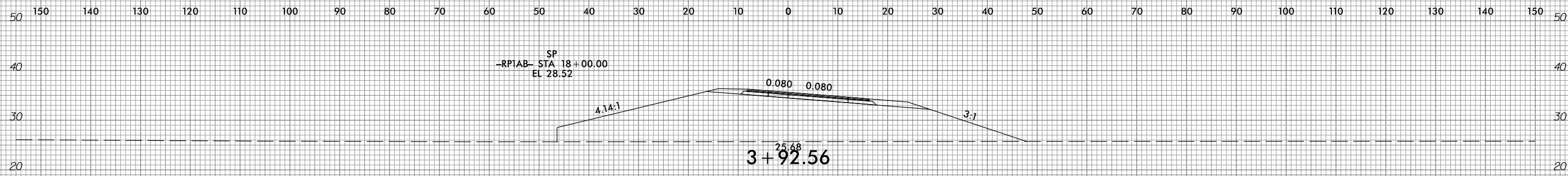


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PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-283



-RPIA-

10/31/2018  
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gncdlin



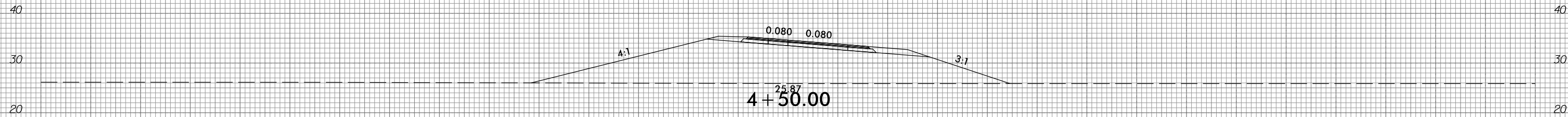
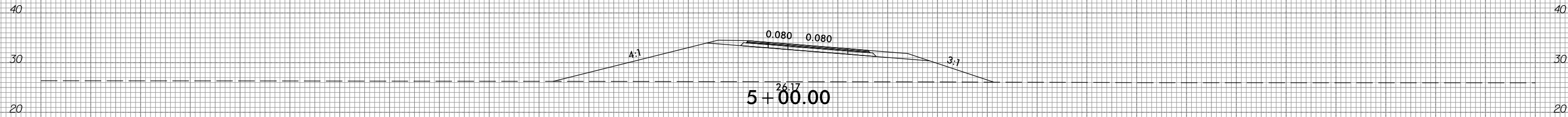
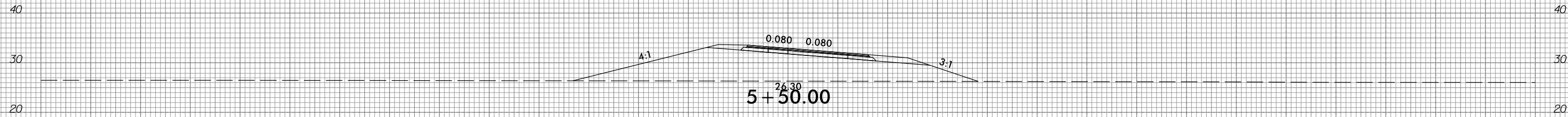
6/23/16



PROJ. REFERENCE NO.
R-1015

SHEET NO.
X-284

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



-RPIA-

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

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 gnc01in

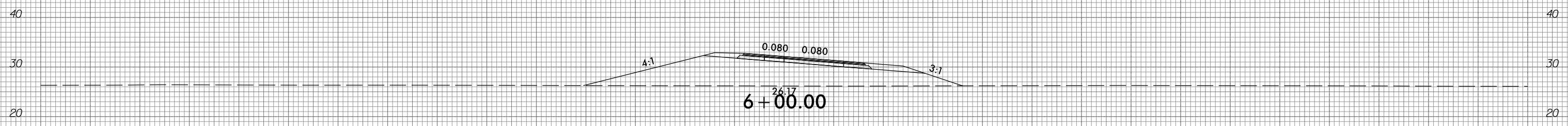
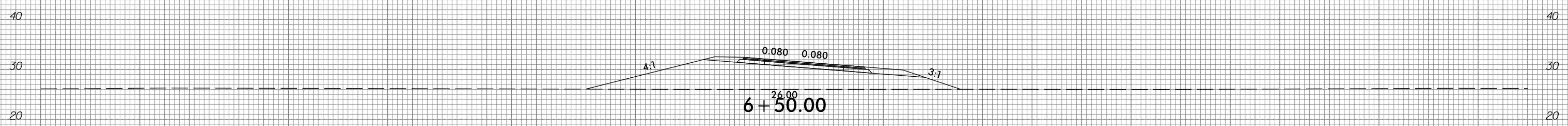
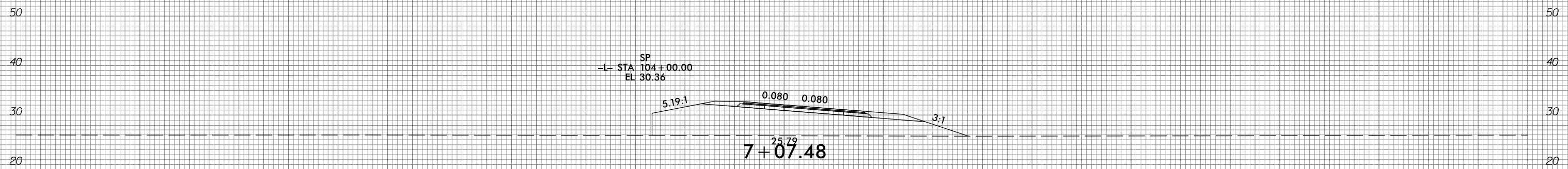
6/23/16



PROJ. REFERENCE NO.
R-1015

SHEET NO.
X-285

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-RPIA-

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

10/31/2018  
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 gmc011r

6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-286

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

50

50

40

40

30

30

20

20

SP  
-L- STA 104+50.00  
EL 33.49

0.080 0.080

3:1

25.45  
7+54.62

-RPIA-

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

10/31/2016  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1\_RPIA.dgn  
gncdlin

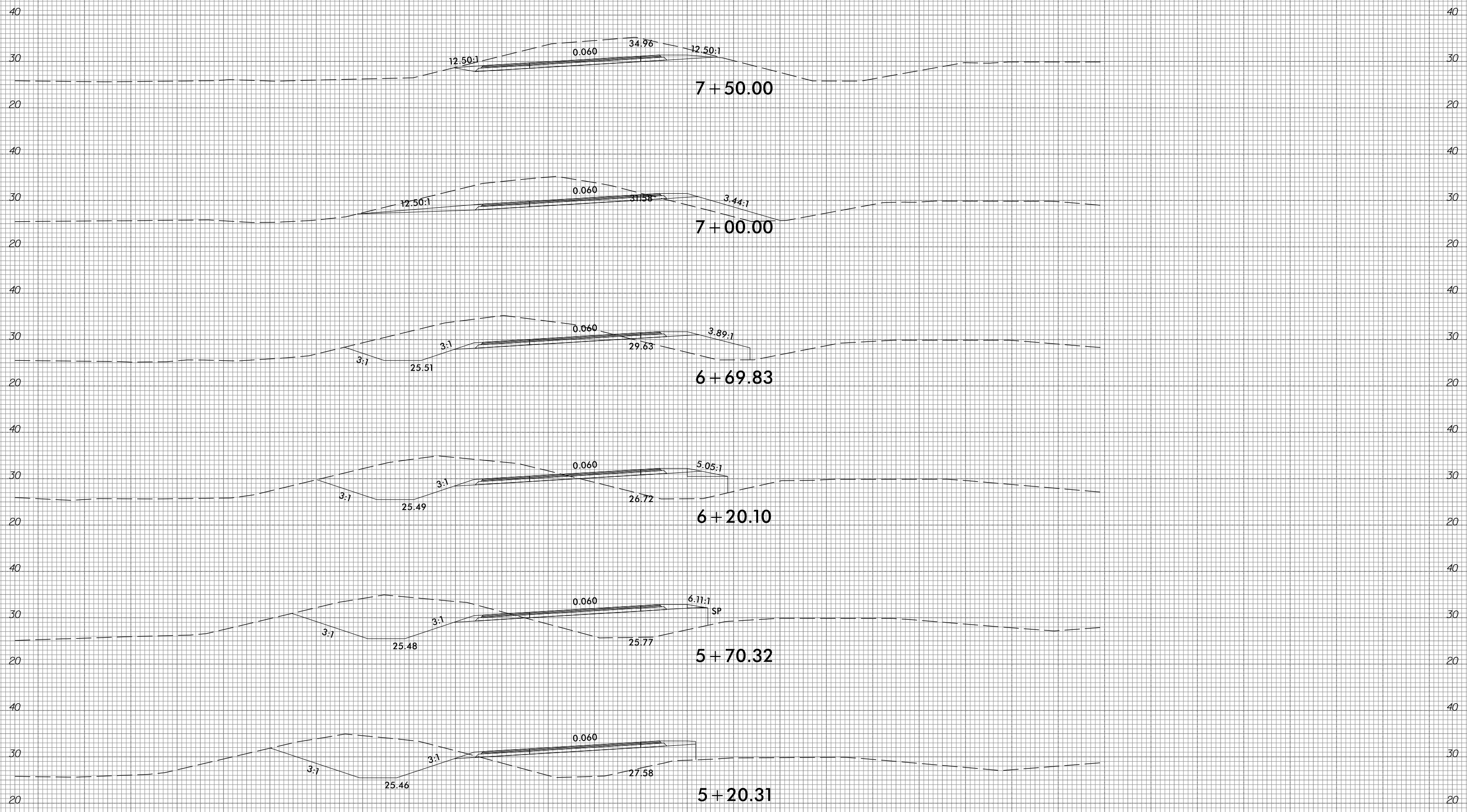
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-287

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



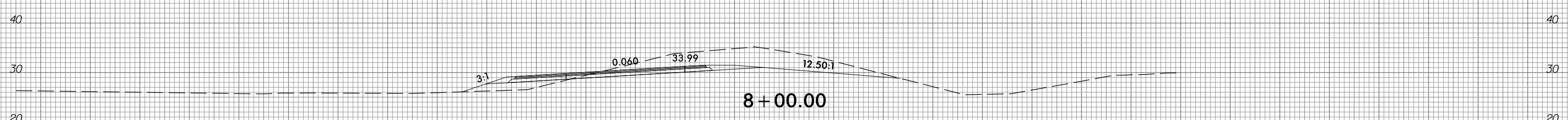
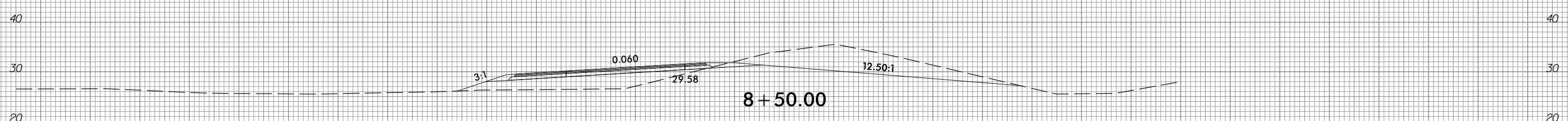
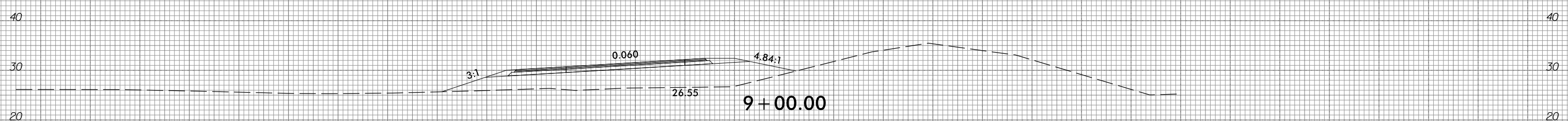
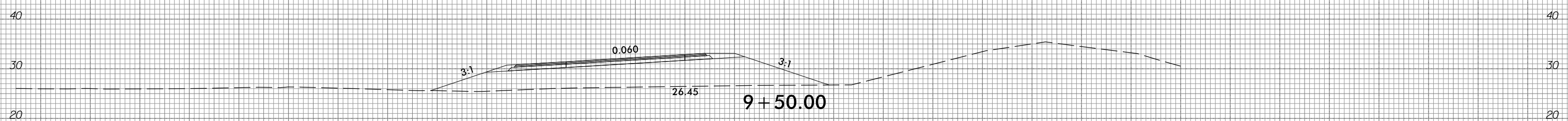
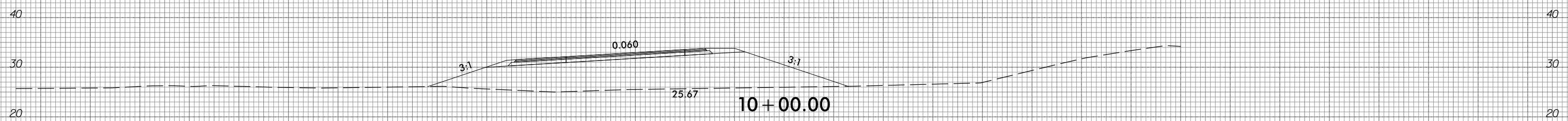
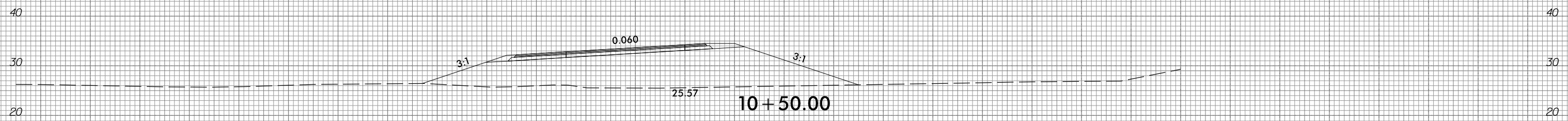
5+20.31  
-RPB-

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

10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1\_RPB.dgn  
gncdlin



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

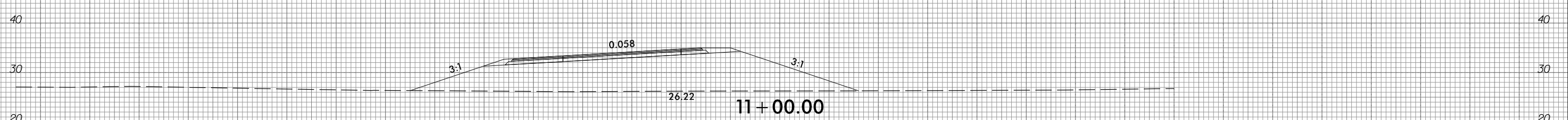
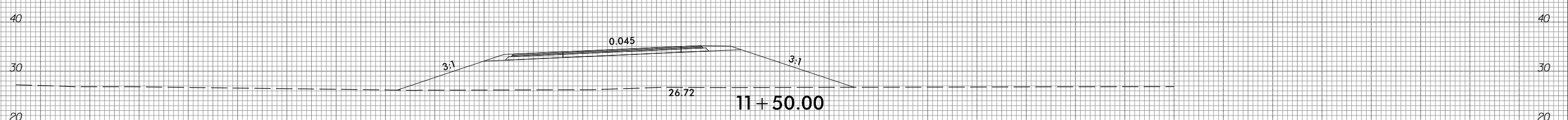
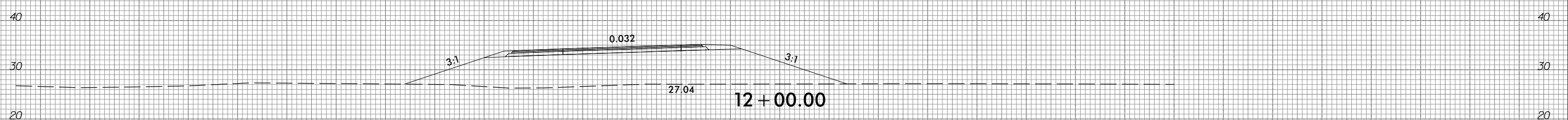
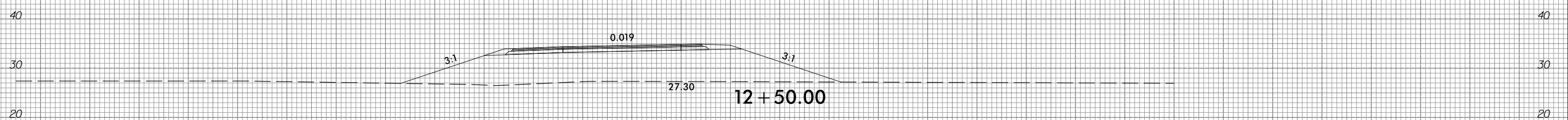
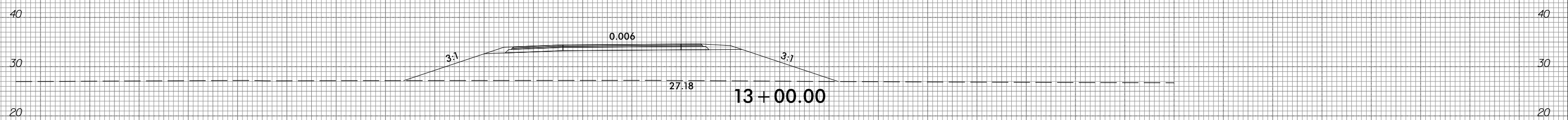
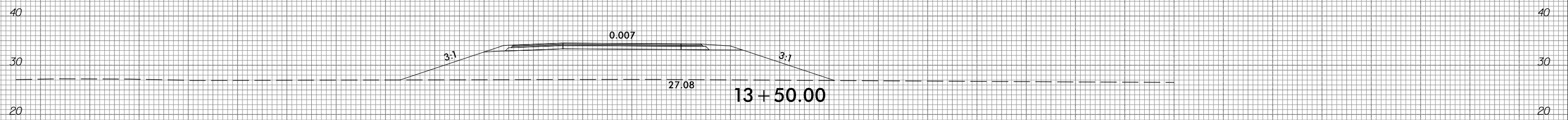


-RP1B-

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



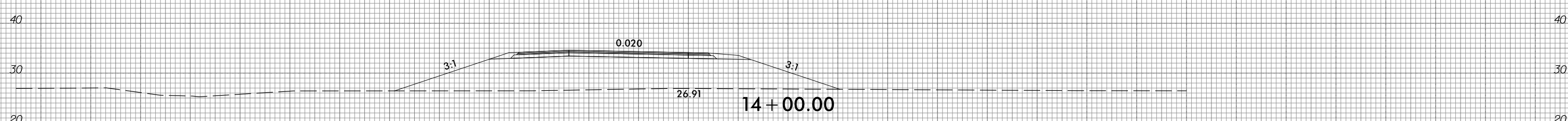
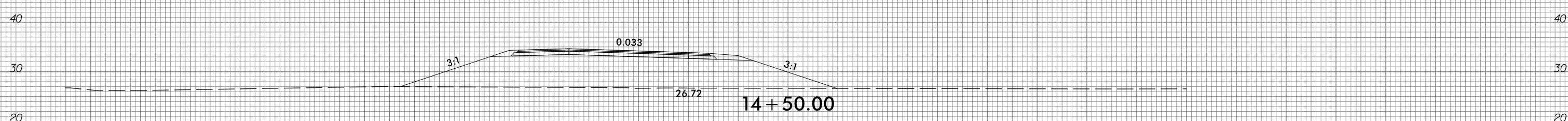
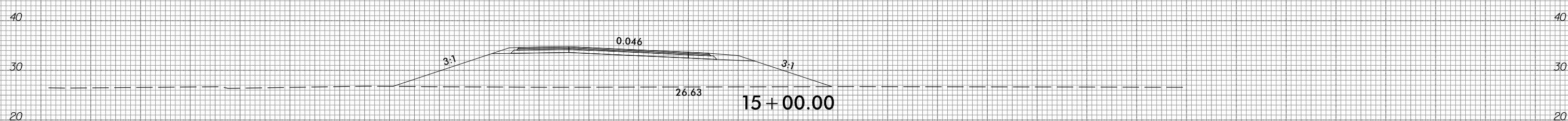
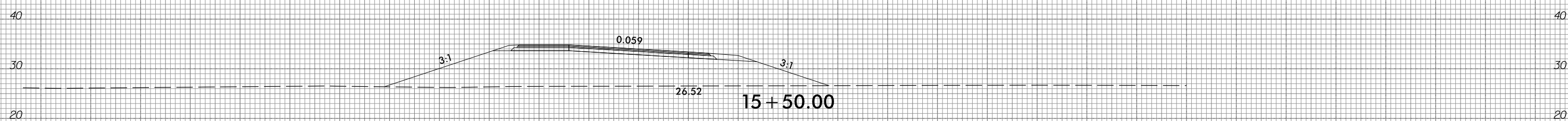
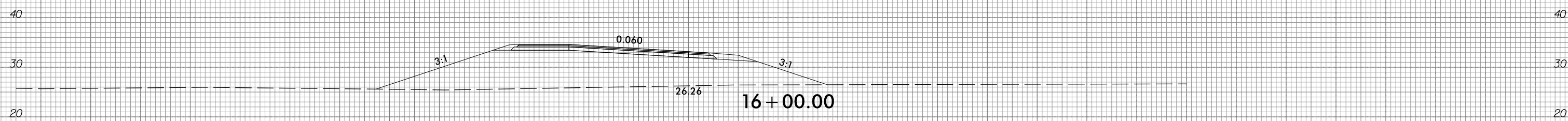
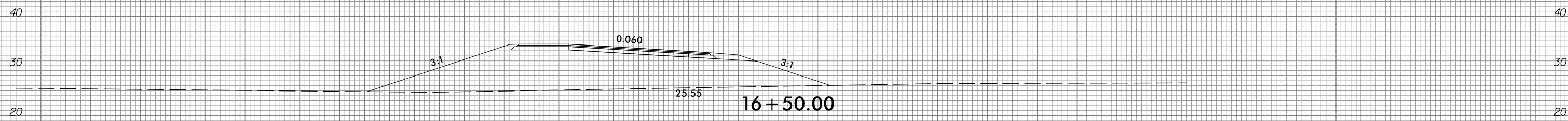
130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170



-RP1B-

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

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



-RPiB-

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

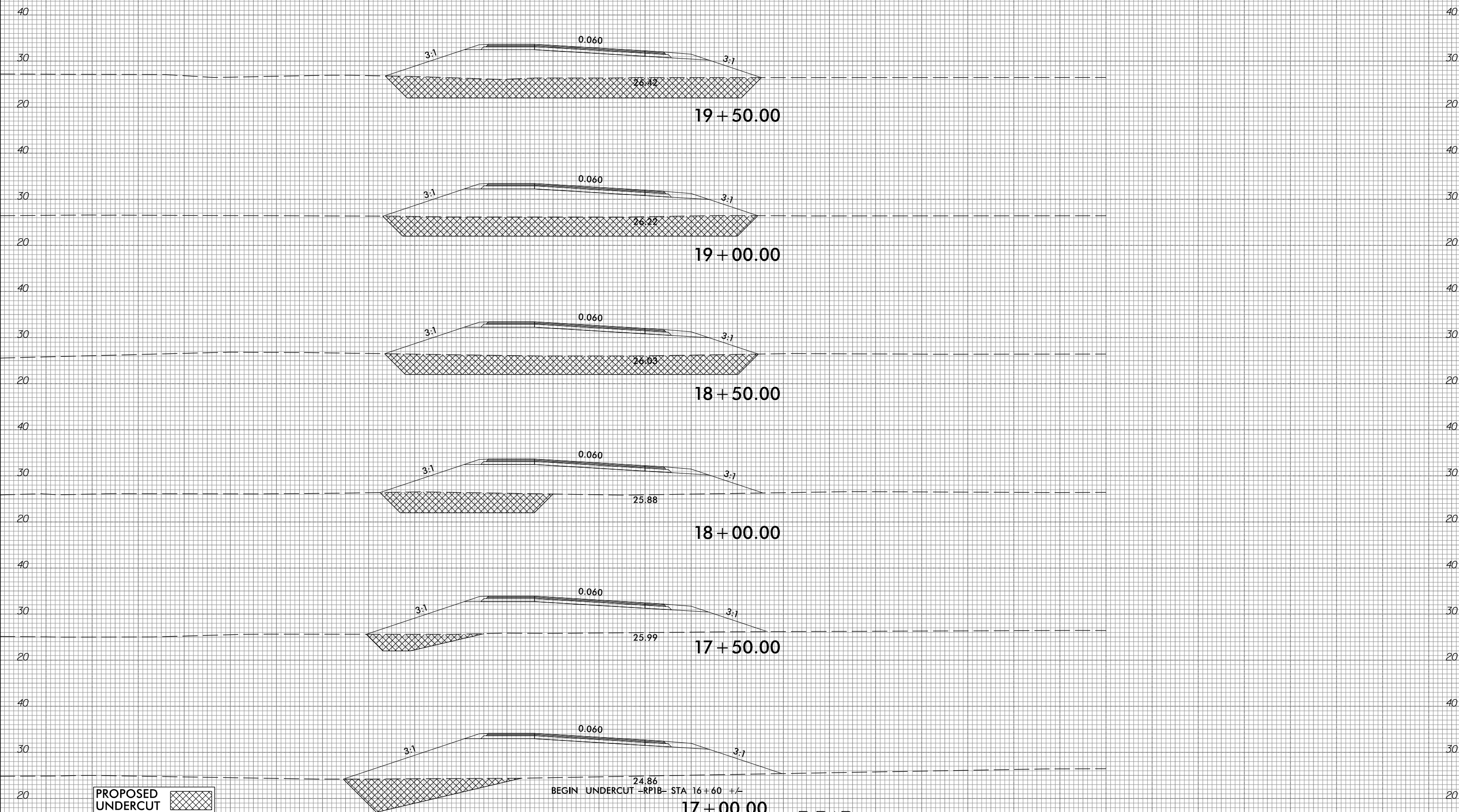
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-291

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



PROPOSED UNDERCUT

24.86  
BEGIN UNDERCUT -RP1B- STA 16+60 +/-

17+00.00

-RP1B-

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

10/31/2018  
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gncdlin



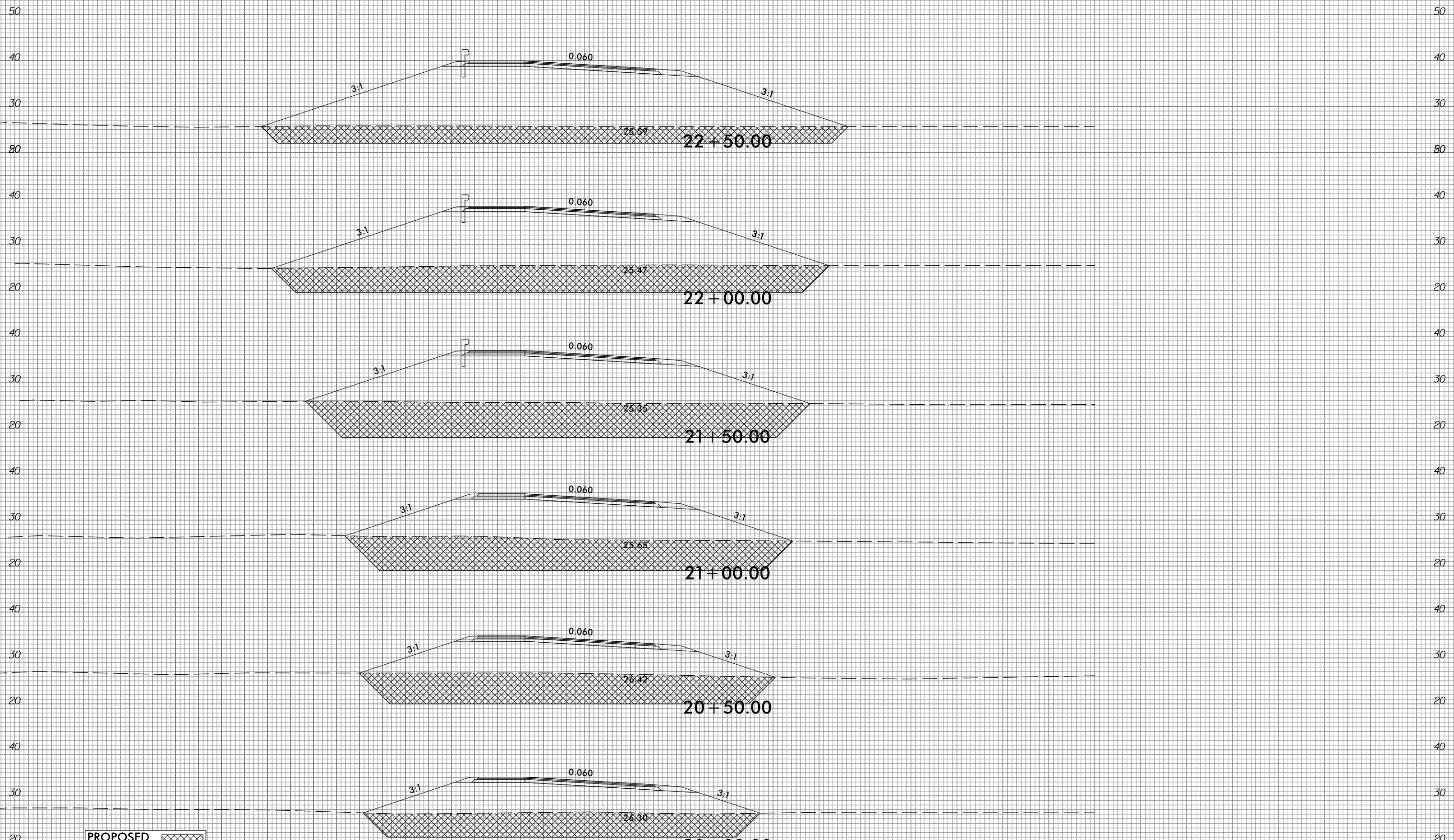
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-292

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



PROPOSED UNDERCUT

20+00.00  
-RPIB-

10/31/2018  
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gmc011n

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

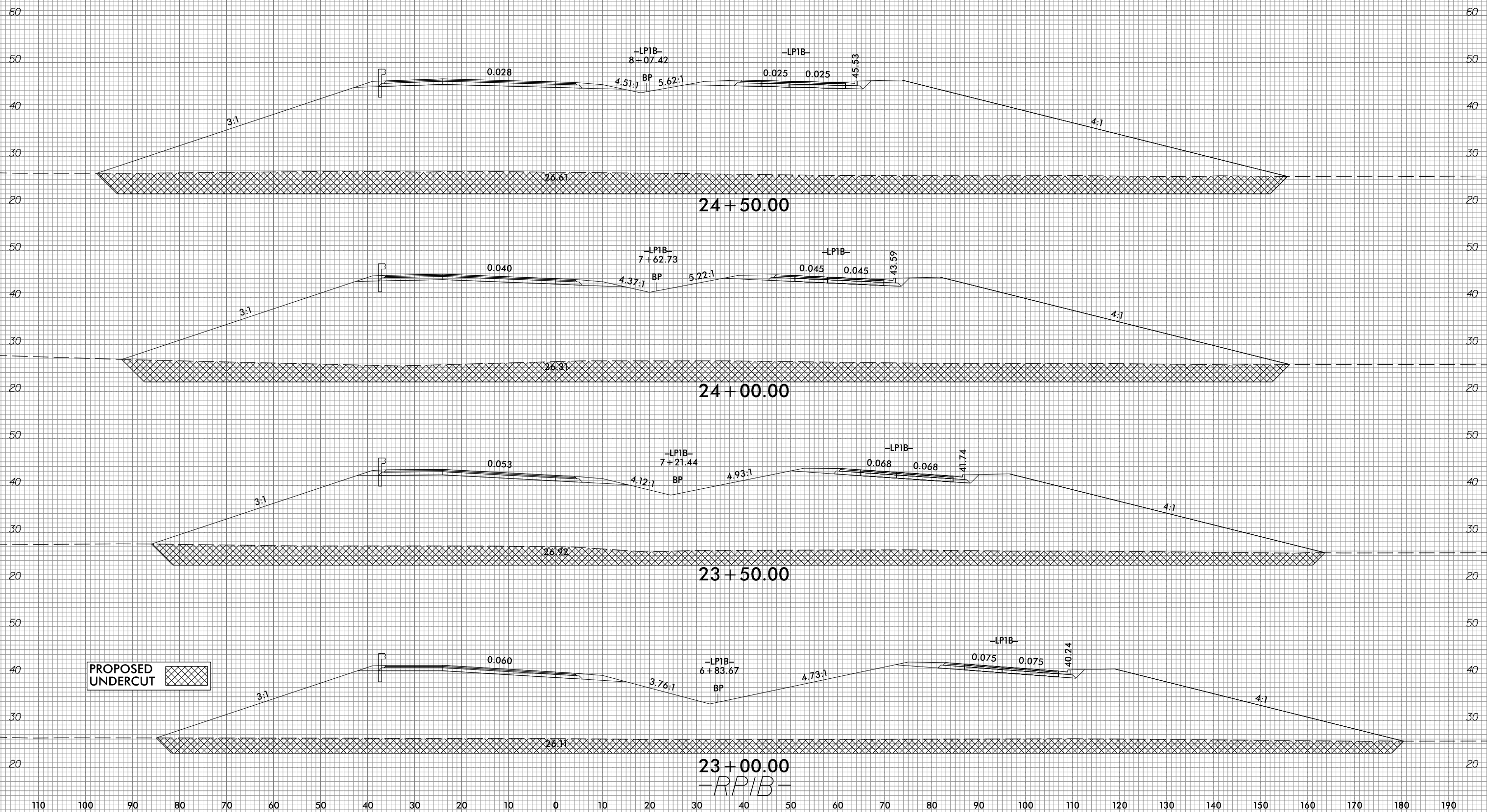
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-293

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



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

10/31/2016  
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gncdlin

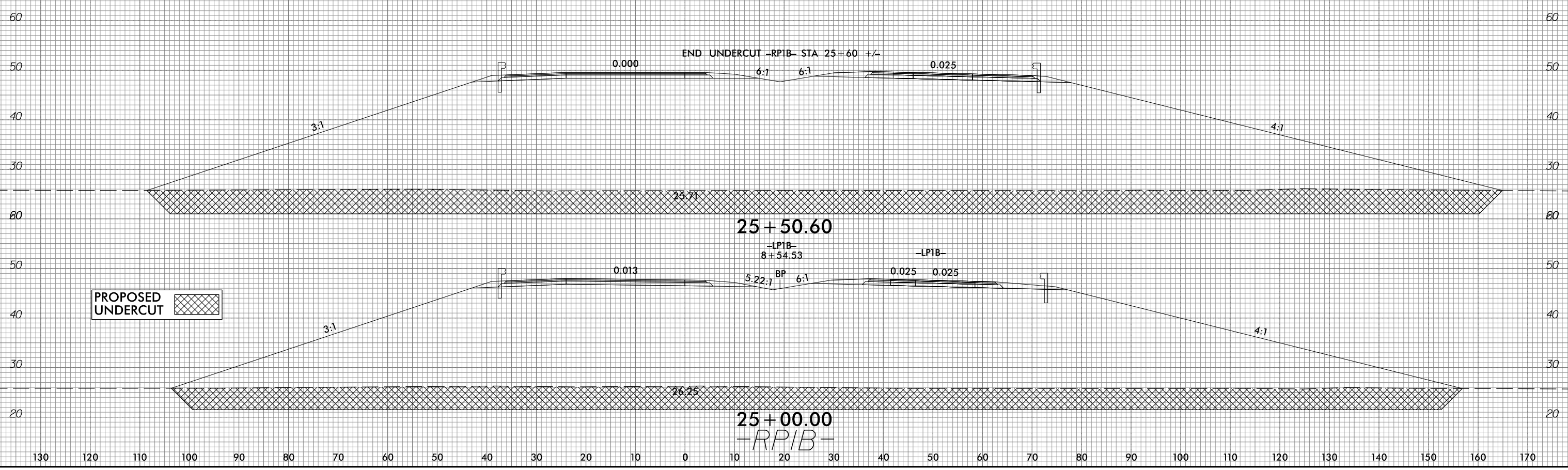
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-294

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



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gncdlin

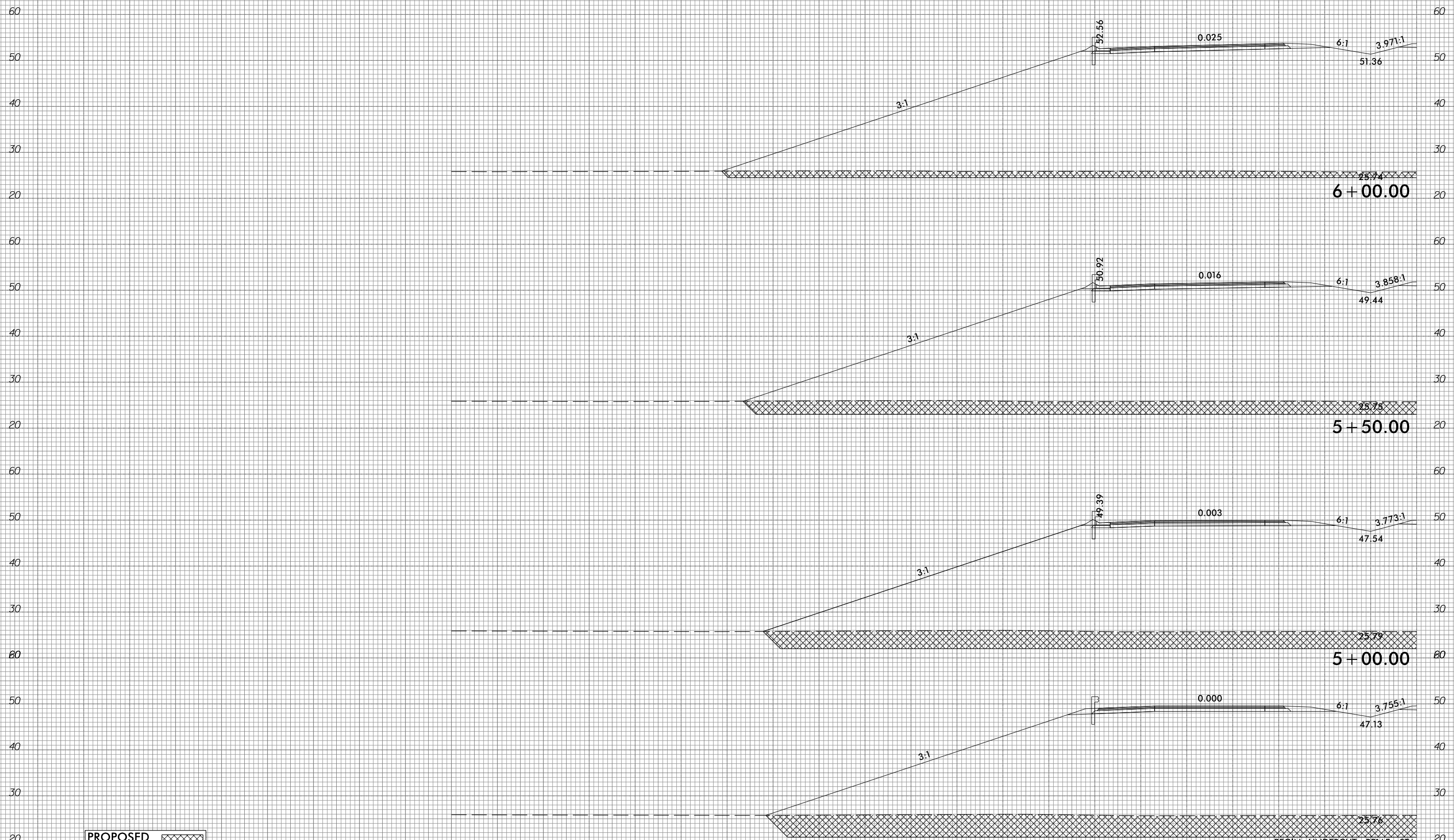
130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-295

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



PROPOSED UNDERCUT

BEGIN UNDERCUT - RPIAB - STA  
-RPIAB- 4+89.37

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

10/31/2016  
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 gmc31in

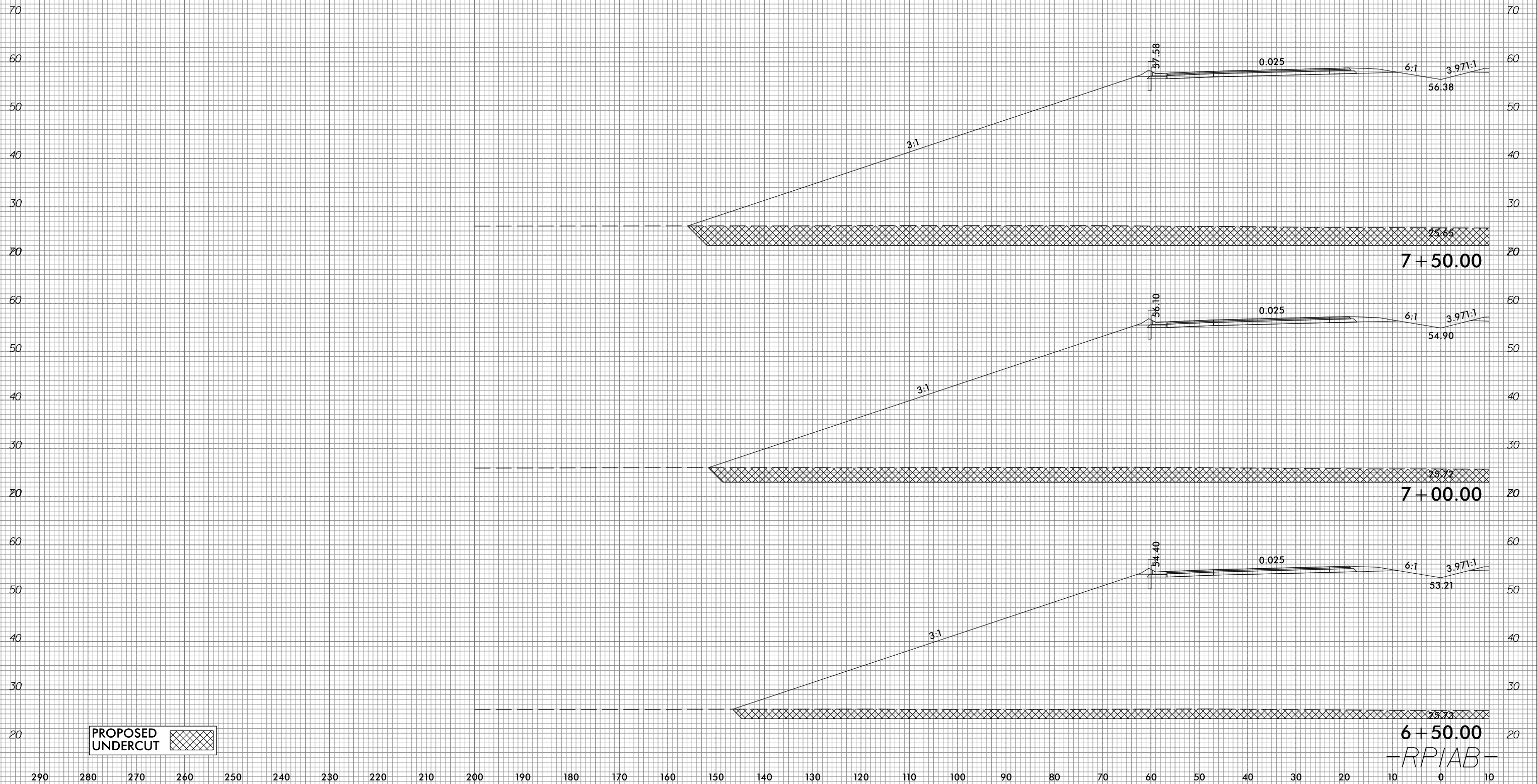
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-296

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



PROPOSED UNDERCUT

6+50.00  
-RPIAB-

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

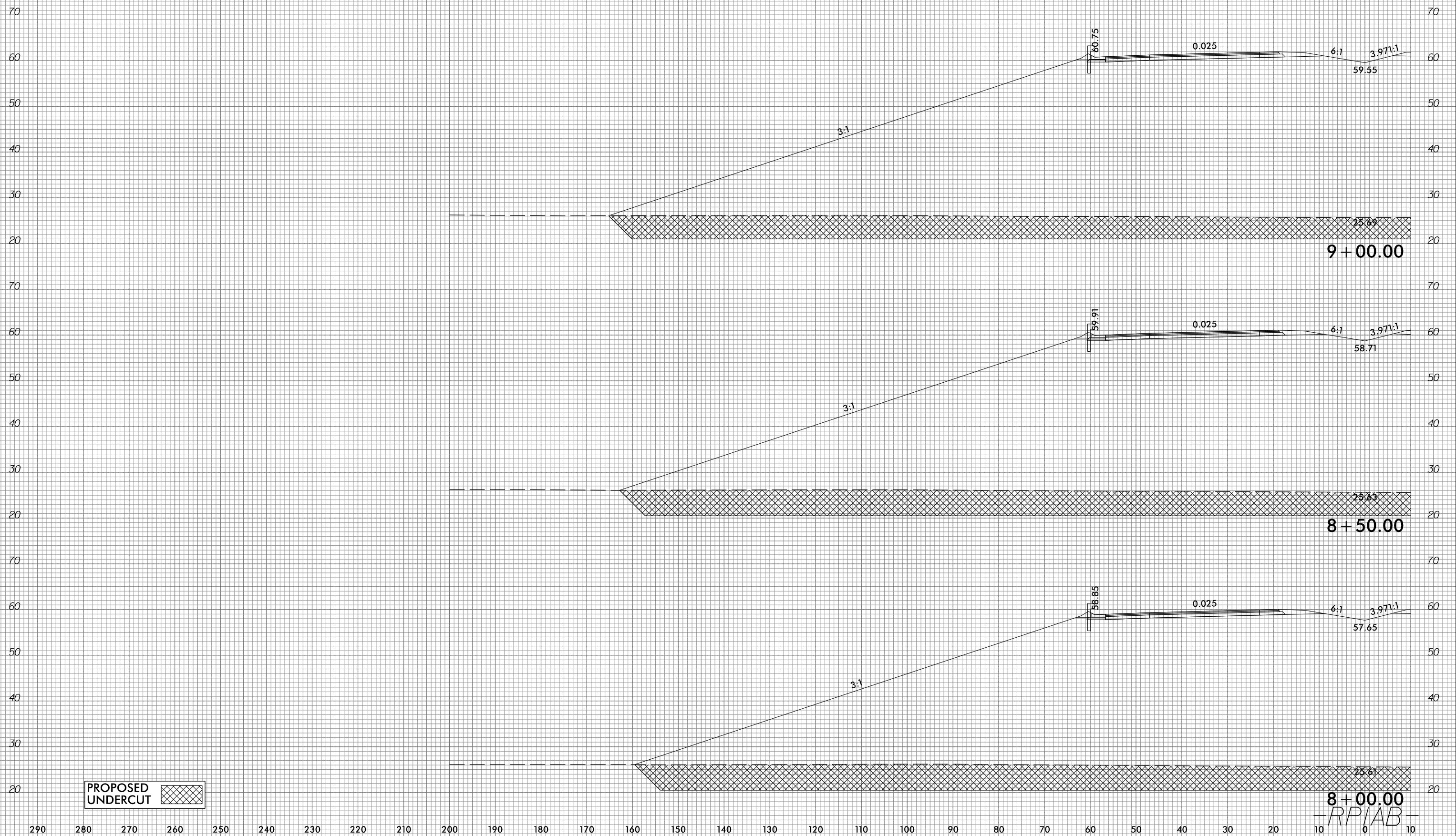
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gncdlin

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-297

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



10/31/2018  
 G:\RA\1729-02\CADD\1015\Roadway\XSC\1015\_xp1\_RPIAB.dgn  
 gncdlin

8 + 00.00  
 -RPIAB-

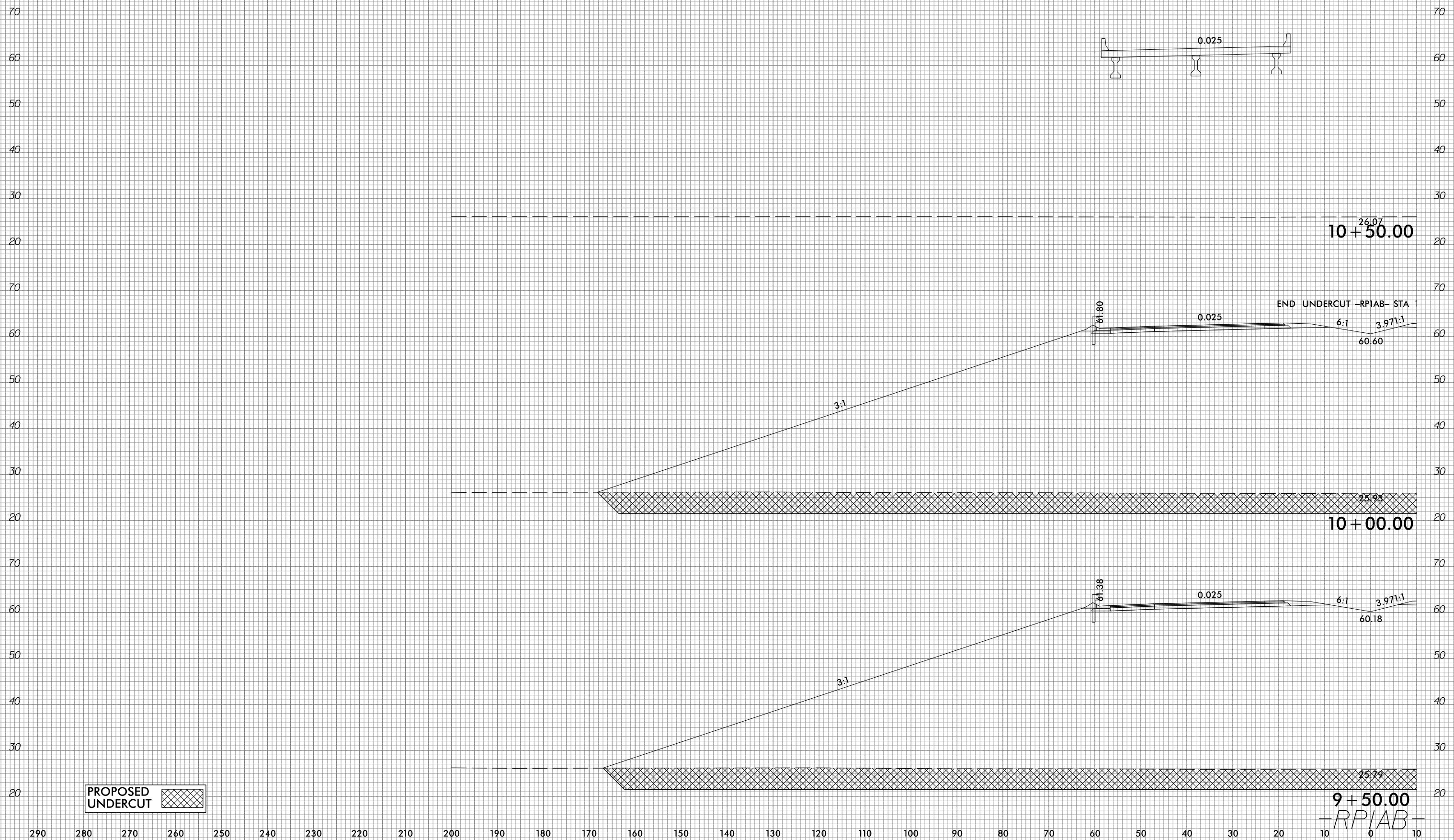
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-298

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



PROPOSED UNDERCUT

9+50.00  
-RPIAB-

10/31/2018  
G:\RA\9729-02\CADD\1015\Roadway\XSC\1015\_xp1\_RPIAB.dgn  
gncdlin

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

6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-299

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



26.43  
12+00.00

26.33  
11+50.00

26.20  
11+00.00

-RPIAB-

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

10/31/2018  
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gncdlin



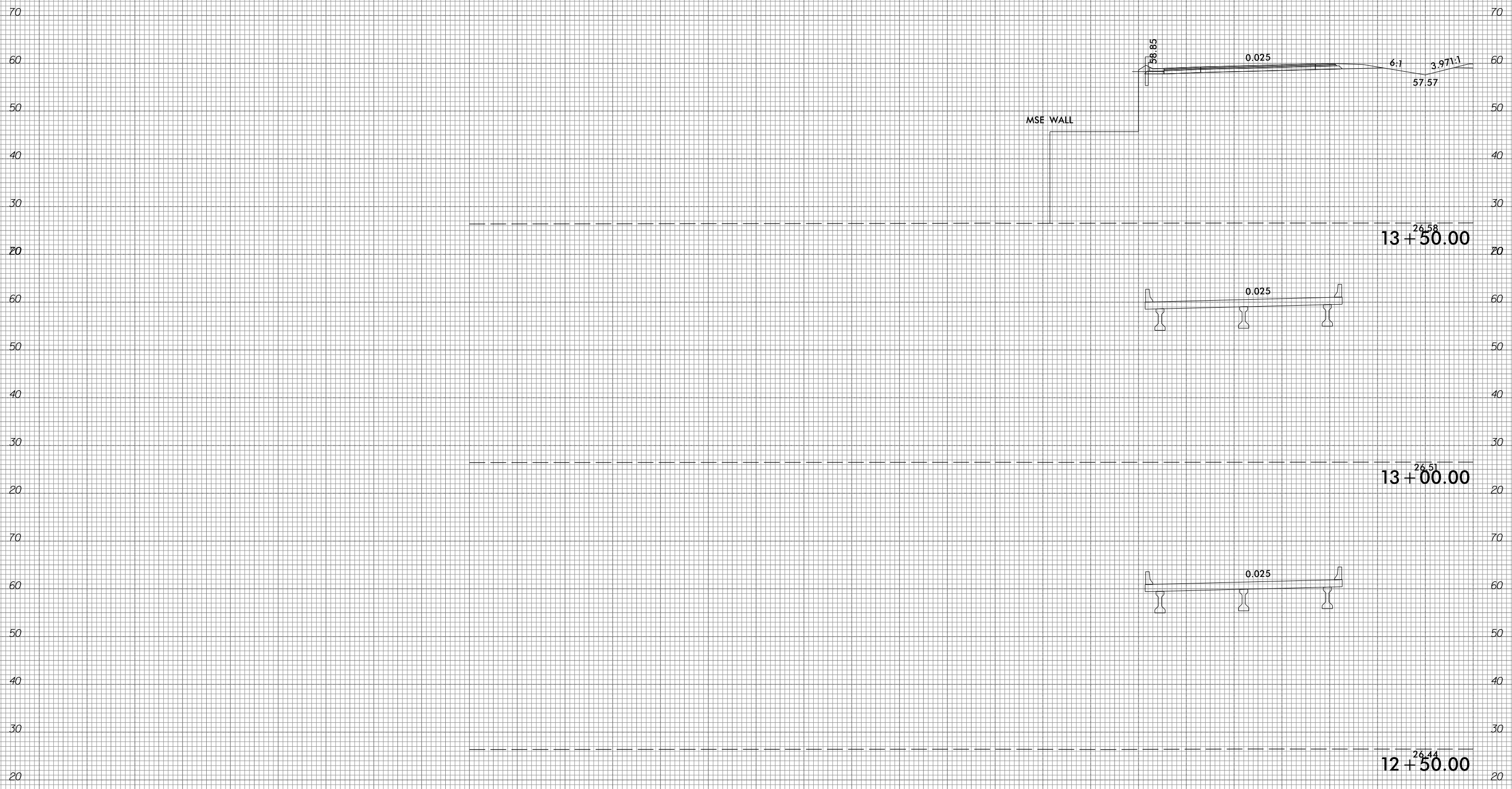
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-300

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



13 + 50.00

13 + 00.00

12 + 50.00

-RPIAB-

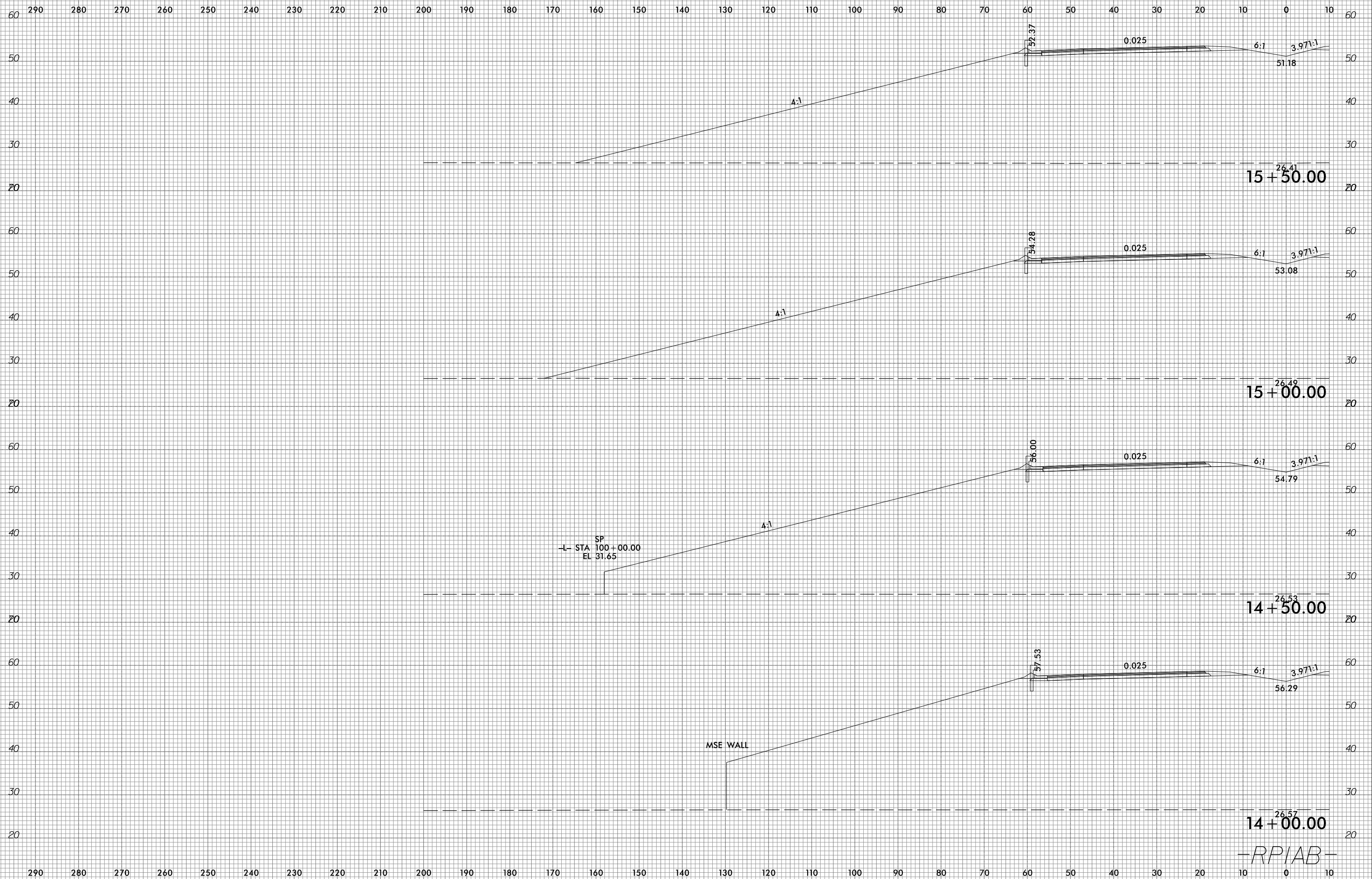
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gncdlin

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

6/23/16



PROJ. REFERENCE NO. R-1015	SHEET NO. X-301
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10/31/2018  
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 gmc011r

-RPIAB-

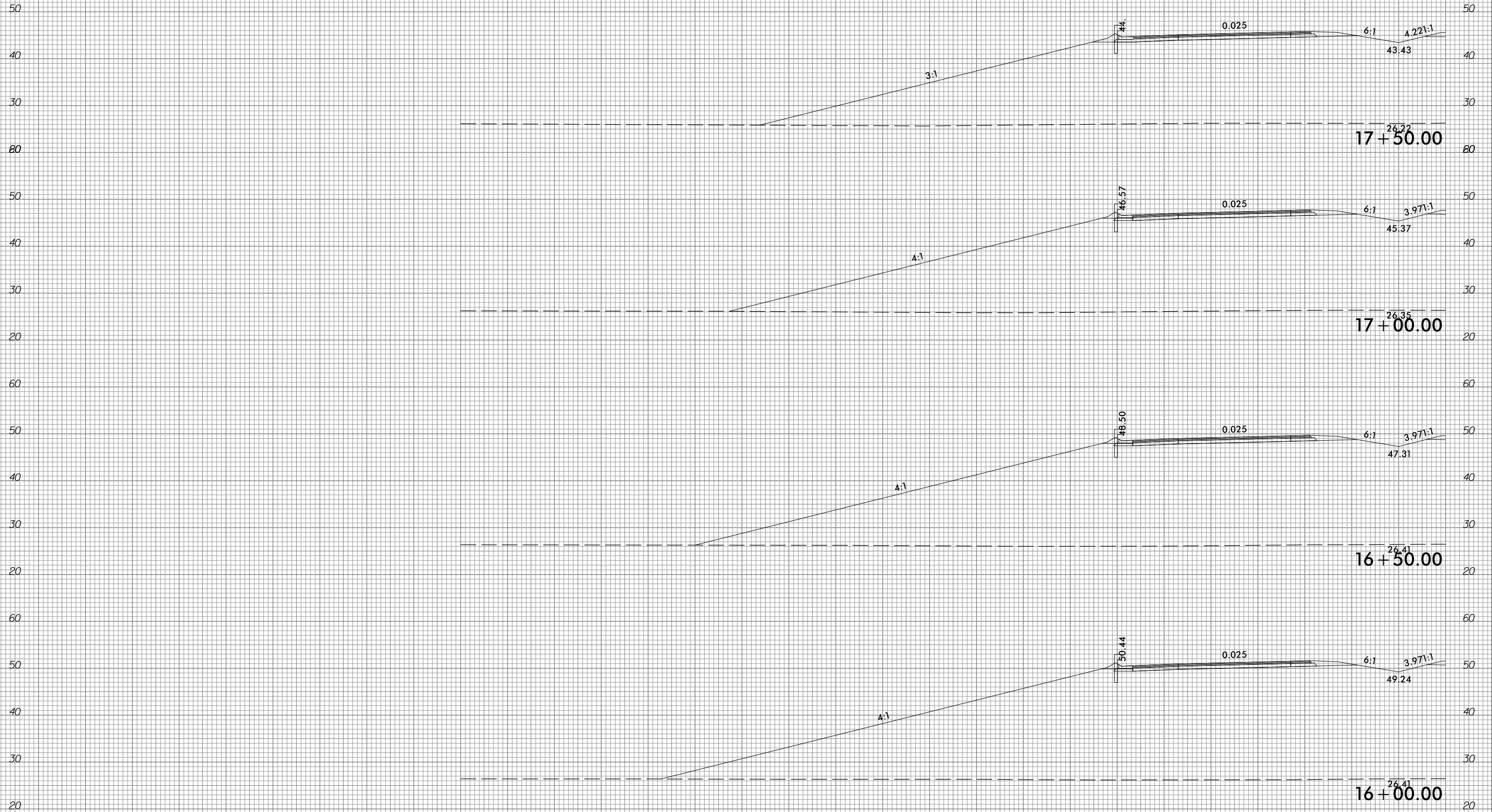
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-302

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

16+00.00

RPIAB

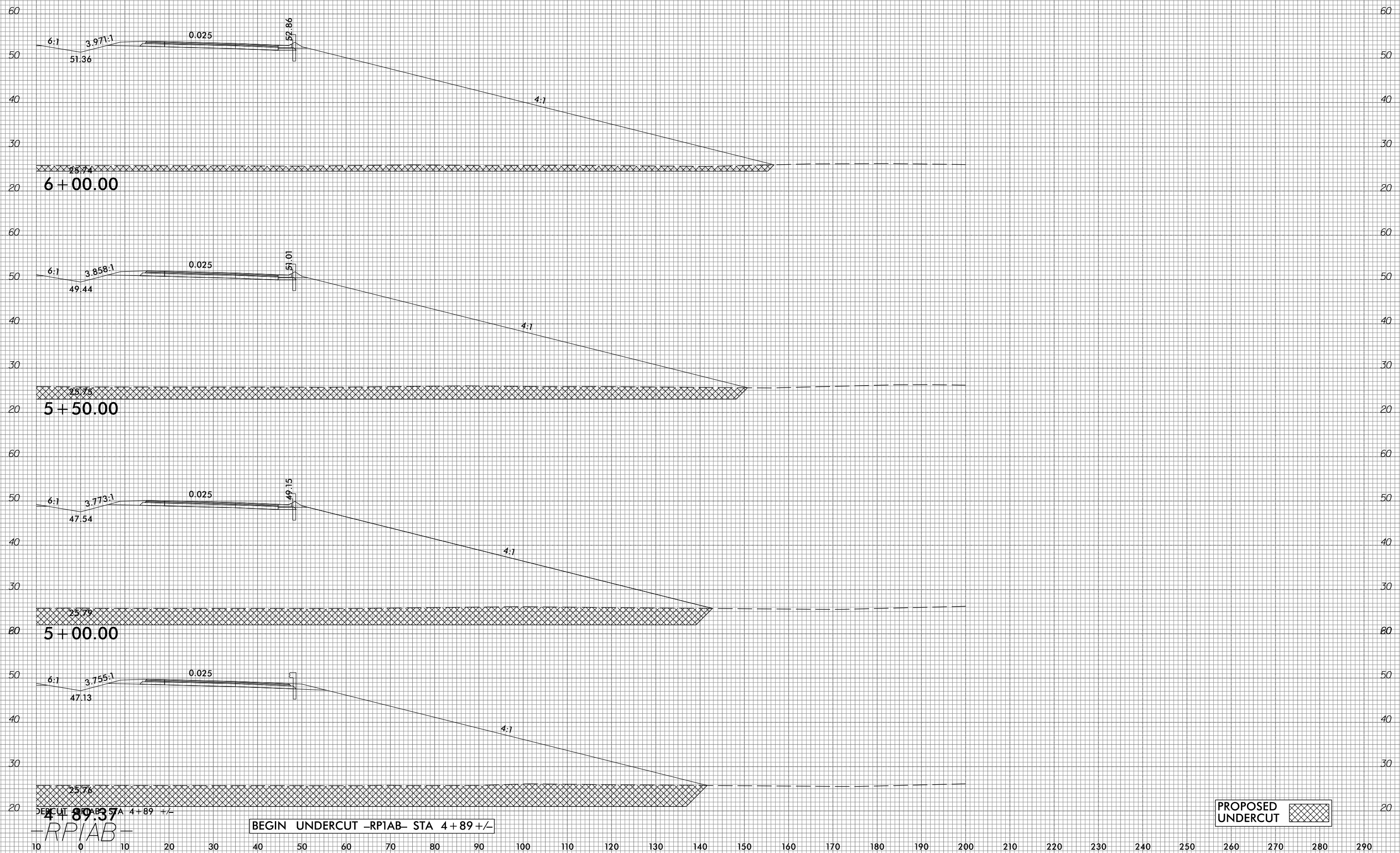
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gncdlin

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
R-1015	X-303

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



BEGIN UNDERCUT -RPIAB- STA 4+89 +/-

PROPOSED UNDERCUT

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

10/31/2018  
 G:\RA\1729-02\CADD\1015\Roadway\XSC\1015\_xp1\_RPIAB.dgn  
 gncdlin

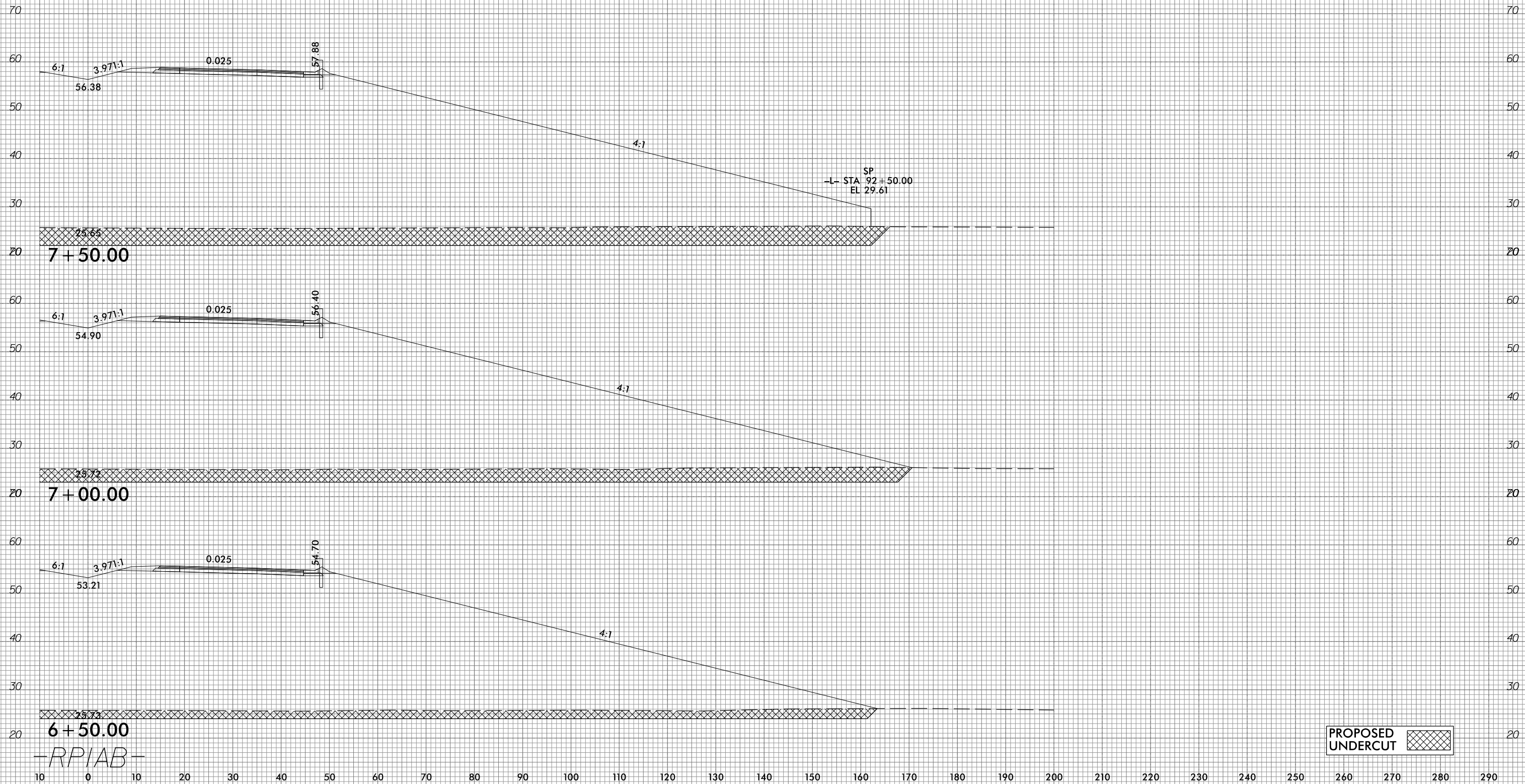
6/23/16



PROJ. REFERENCE NO.  
R-1015

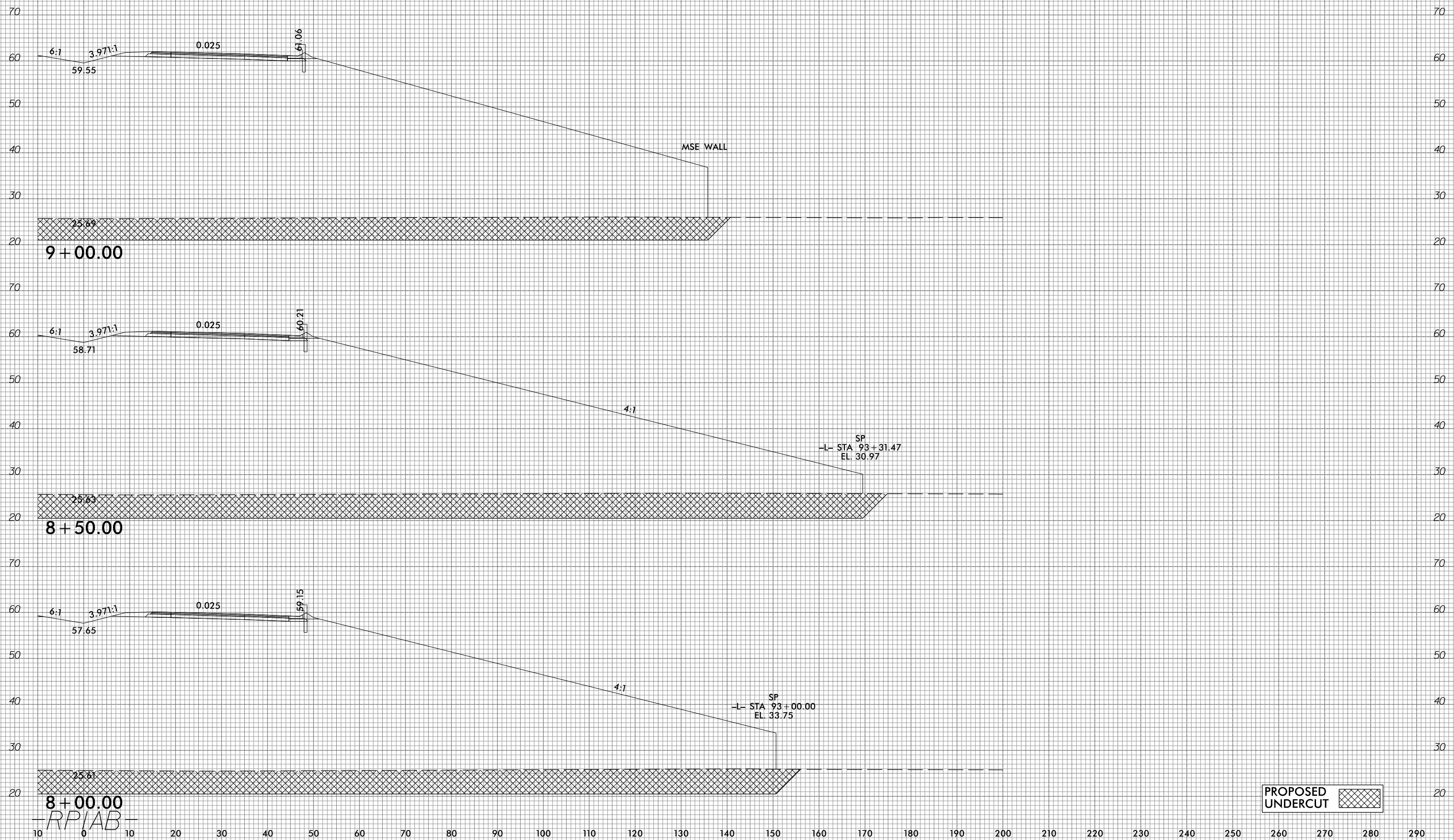
SHEET NO.  
X-304

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



10/31/2018  
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gmc311

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



PROPOSED UNDERCUT

8+00.00  
-RPIAB-

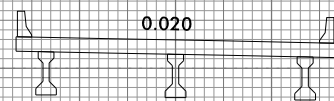
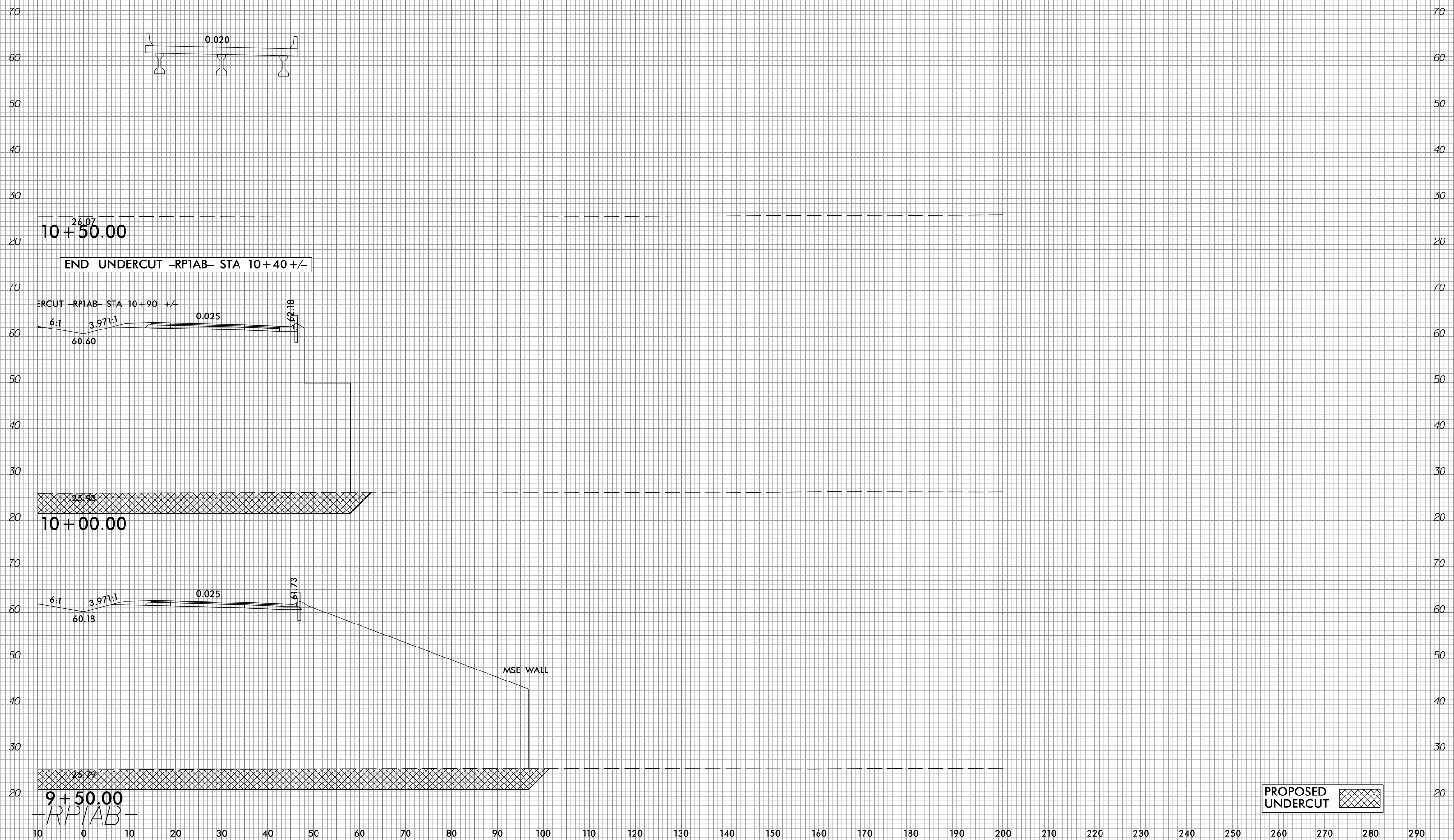
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-306

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



26.07  
10+50.00

END UNDERCUT -RPIAB- STA 10+40 +/-

UNDERCUT -RPIAB- STA 10+90 +/-

6:1 3.971:1 0.025 62.18  
60.60

25.93  
10+00.00

6:1 3.971:1 0.025 61.73  
60.18

MSE WALL

25.79  
9+50.00  
-RPIAB-

PROPOSED UNDERCUT

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

10/31/2018  
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gncdlin

6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-307

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

70

70

60

60

50

50

40

40

30

30

26.43  
12+00.00

20

70

70

60

60

50

50

40

40

30

30

26.33  
11+50.00

20

70

70

60

60

50

50

40

40

30

30

26.20  
11+00.00

20

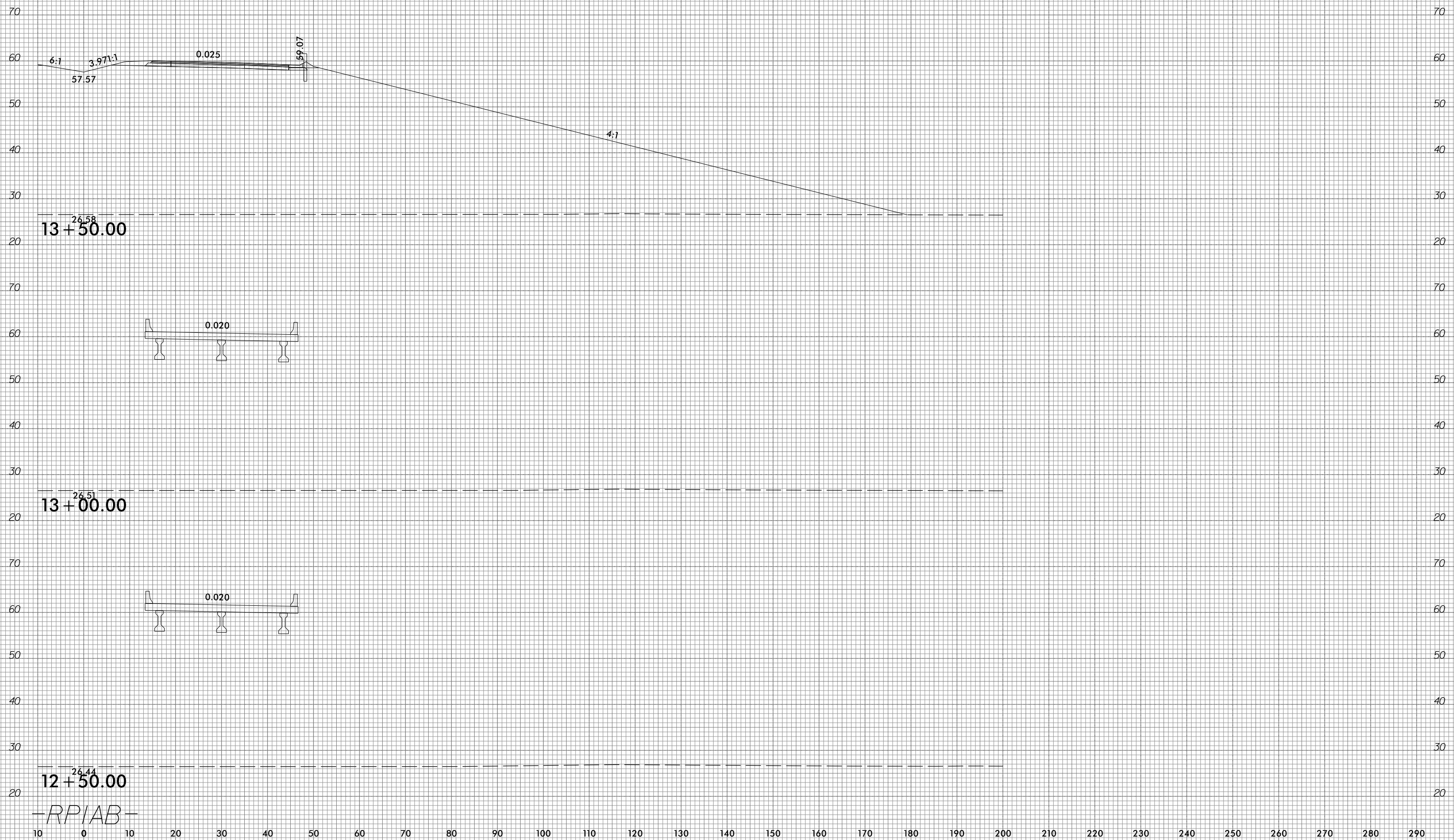
-RPIAB-

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

10/31/2016 8:14:19 AM G:\RA\1729-02\CADD\1015\Roadway\XSC\1015\_xp1\_RPIAB.dgn



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



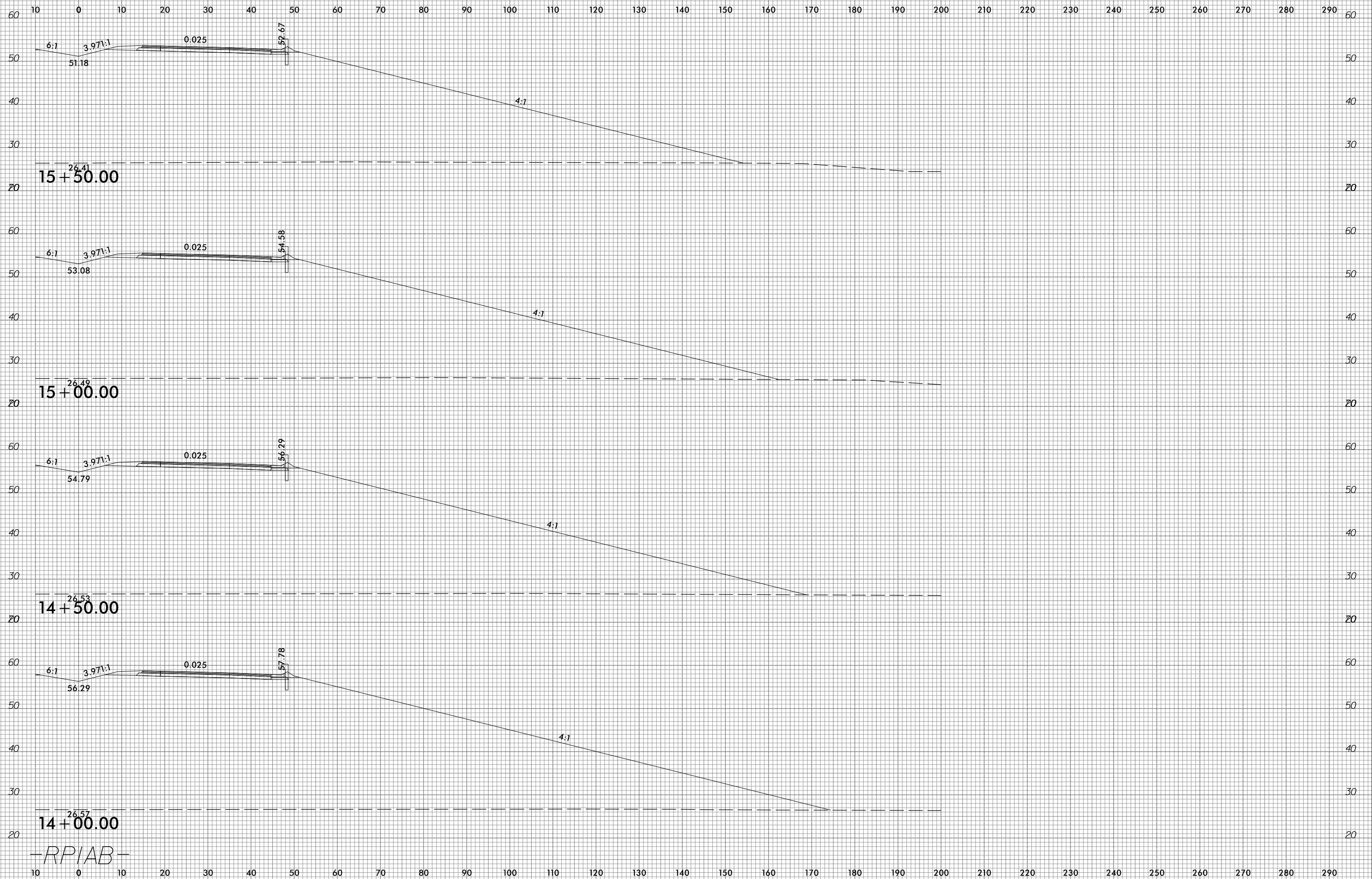
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6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-309



-RPIAB-

10/31/2018  
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gnc01.in

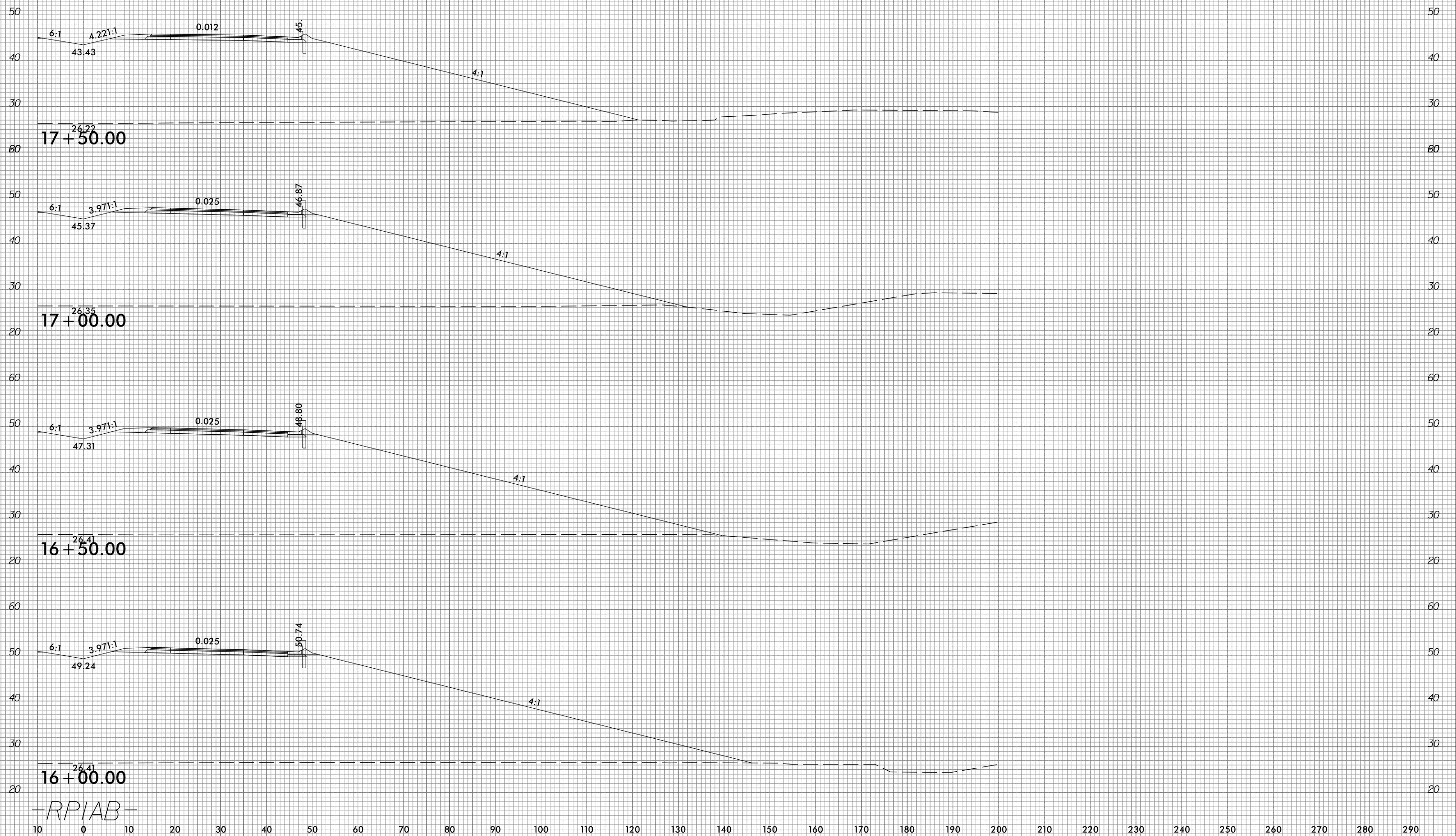
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-310

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



16+00.00  
-RPIAB-

10/31/2016  
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gncdlin

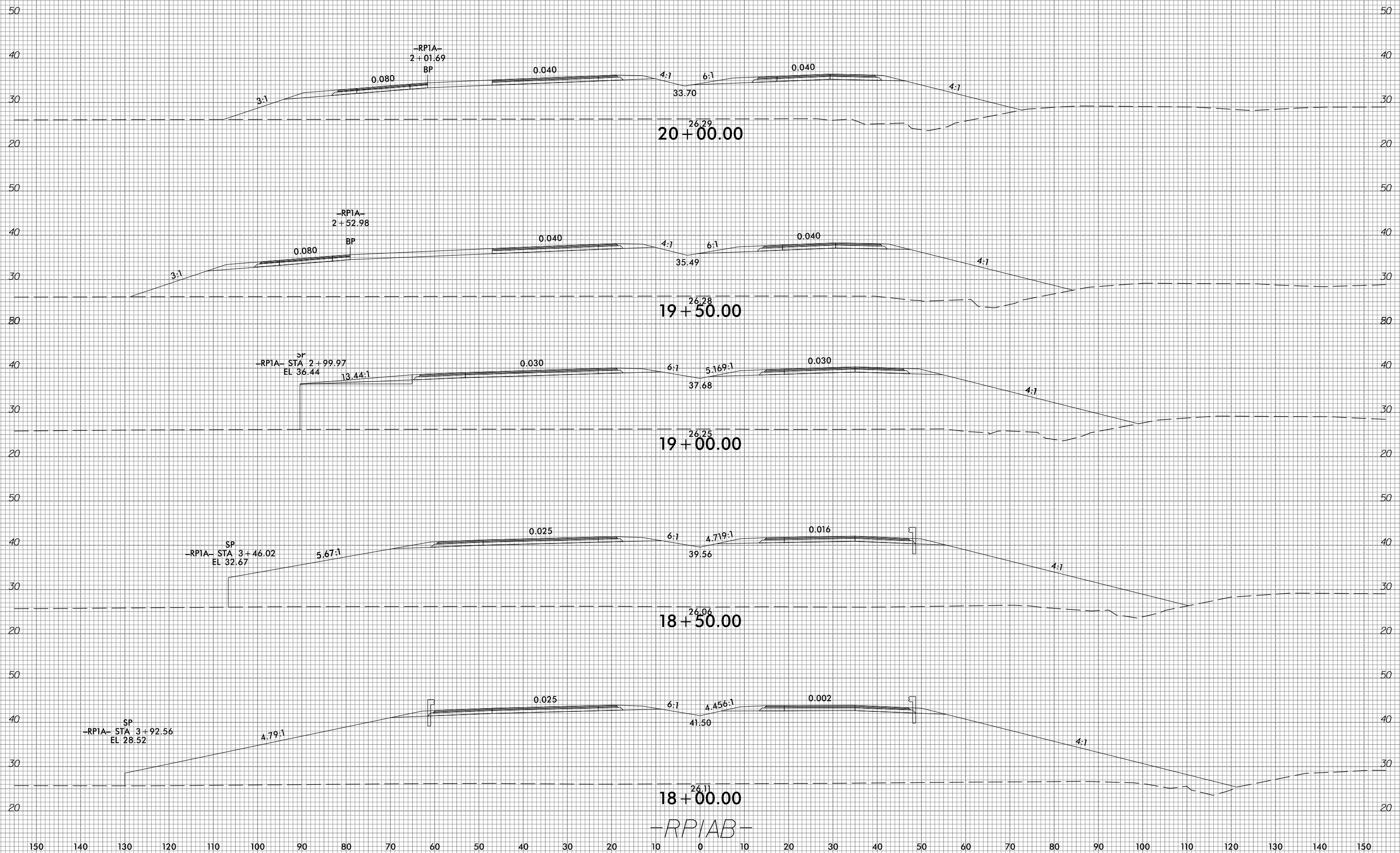
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-311

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



10/31/2018  
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gncdlin

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

18+00.00  
-RPIAB-

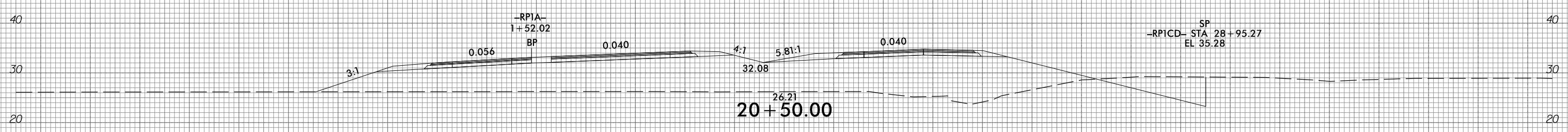
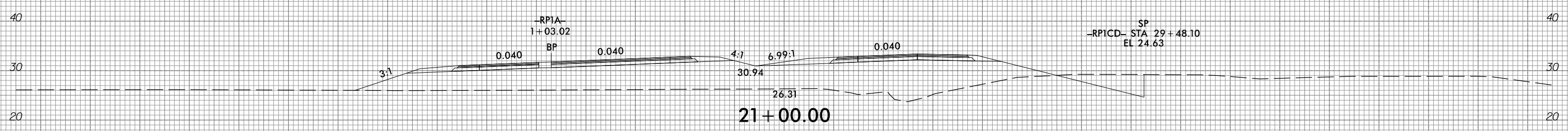
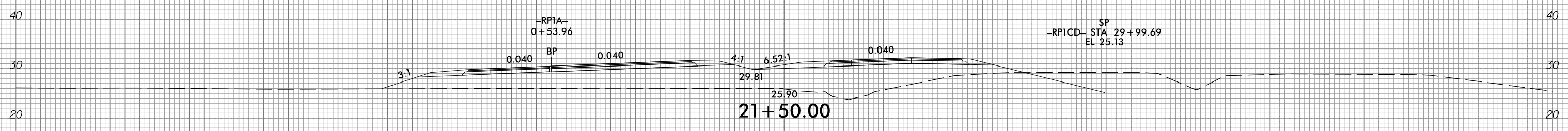
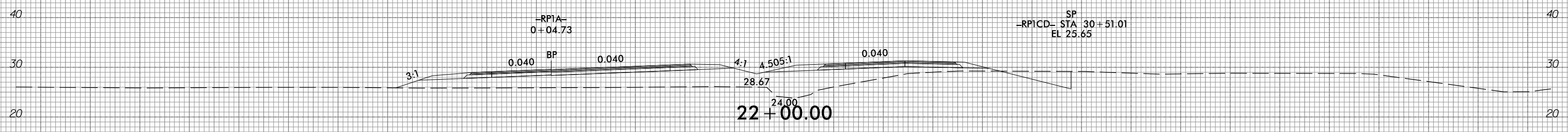
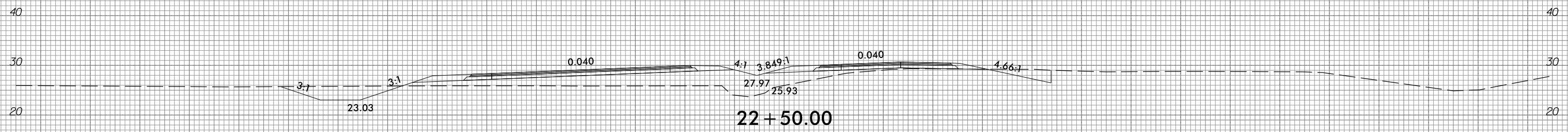
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-312

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-RPIAB-

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

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gncdlin

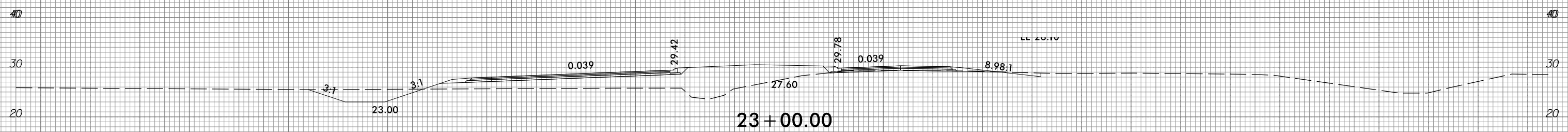
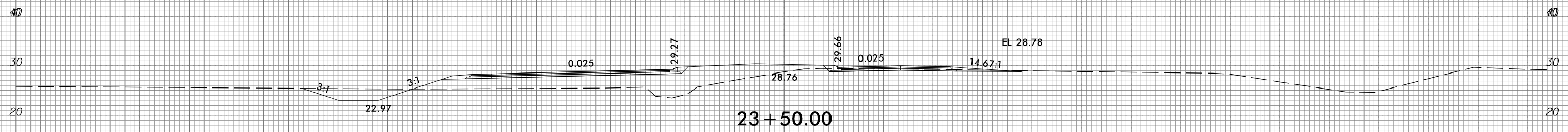
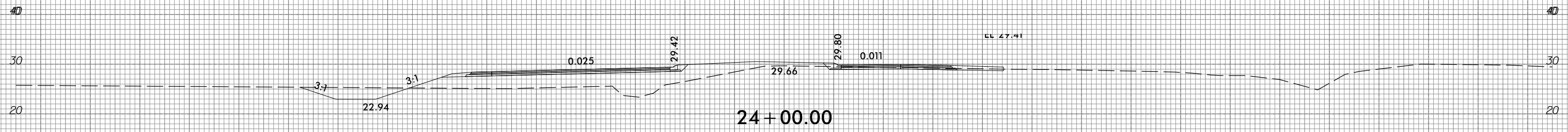
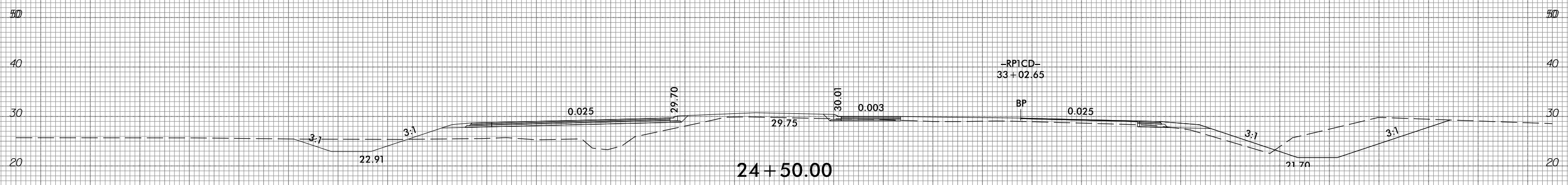
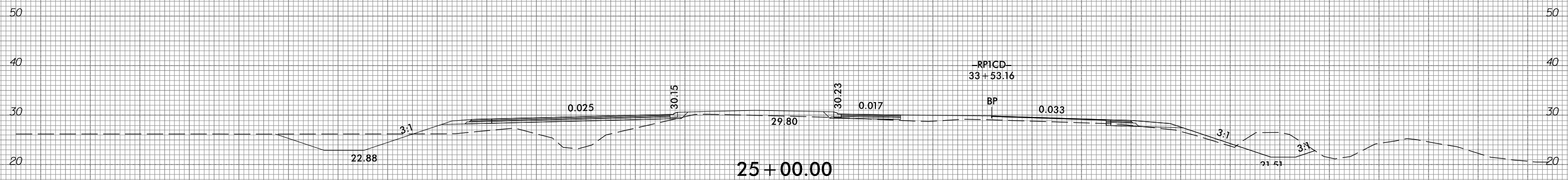
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-313

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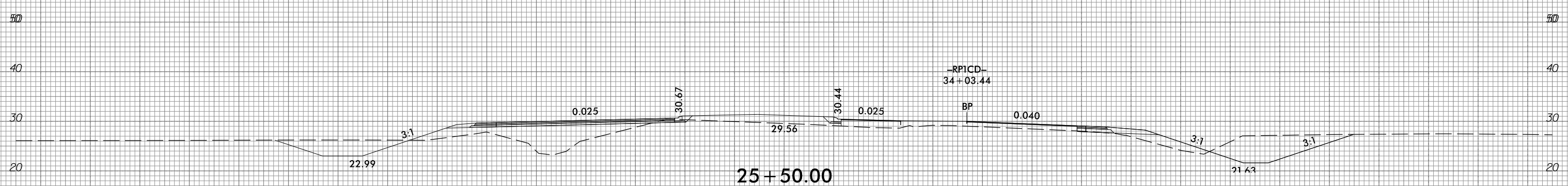
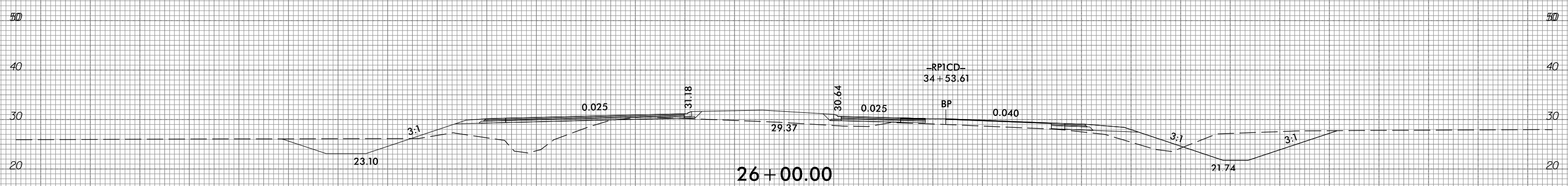
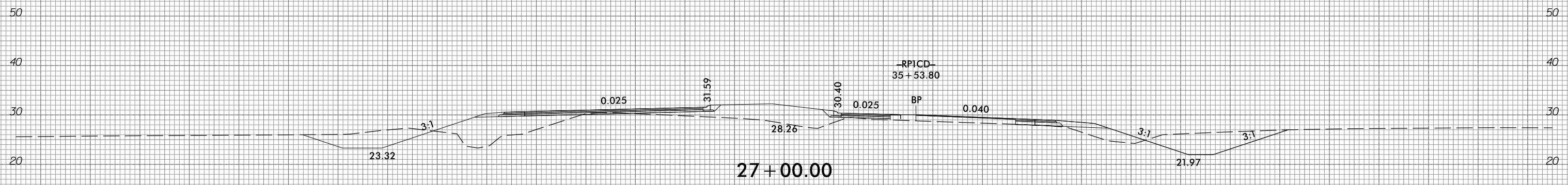
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

10/31/2018  
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gncdlin



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



-RPIAB-

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

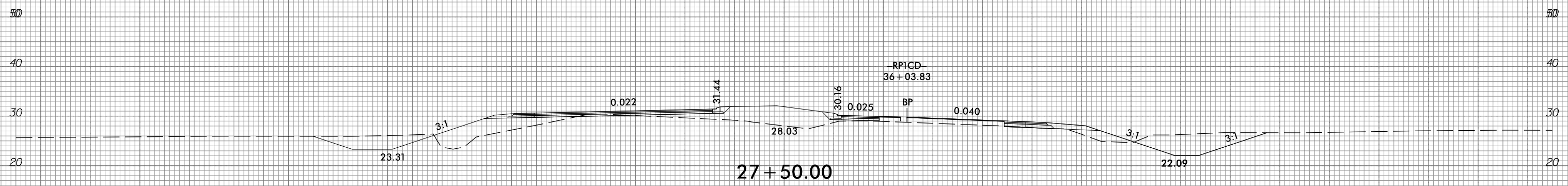
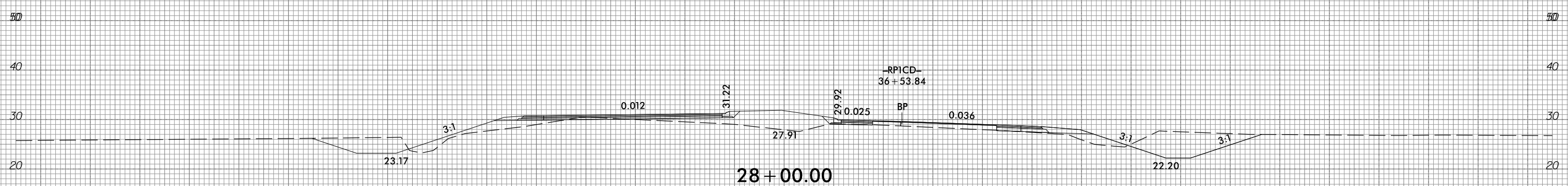
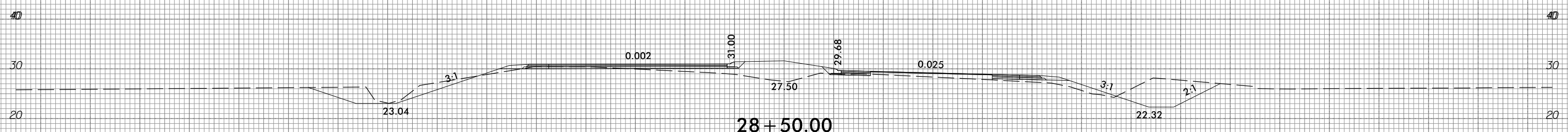
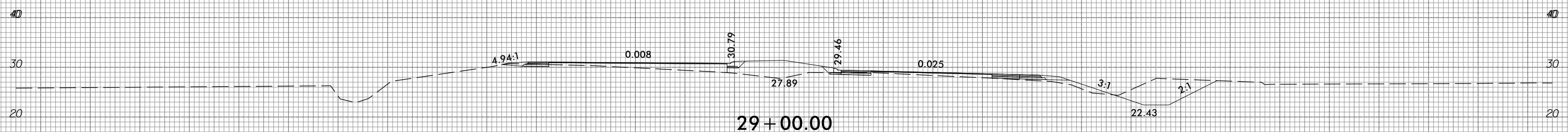
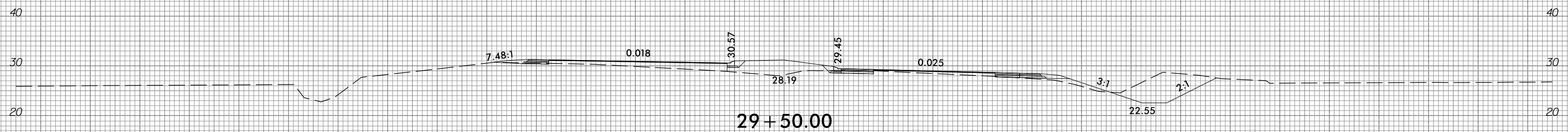
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-315

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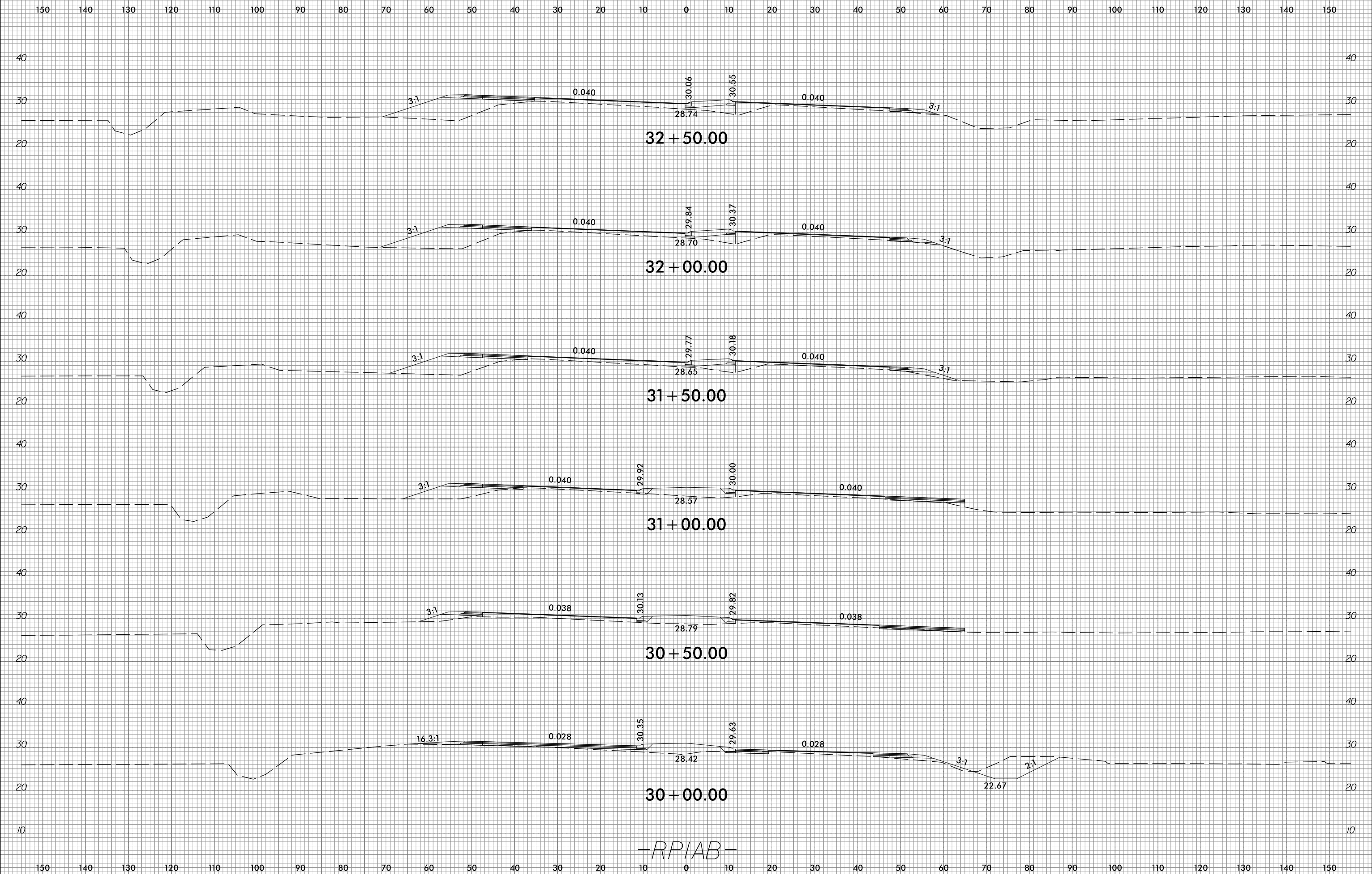


-RPIAB-

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

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gncdlin





-RPIAB-

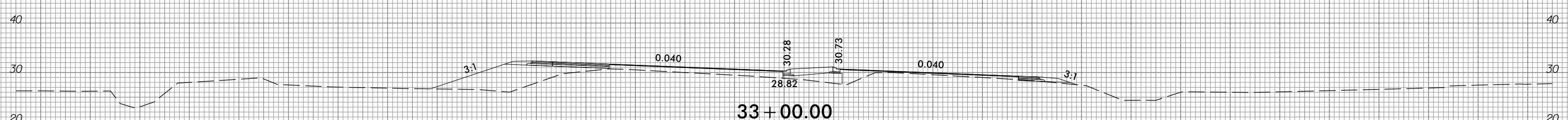
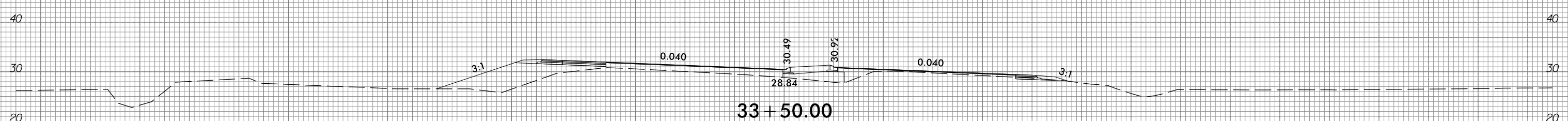
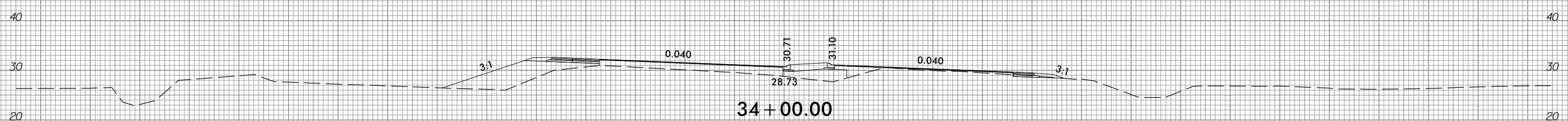
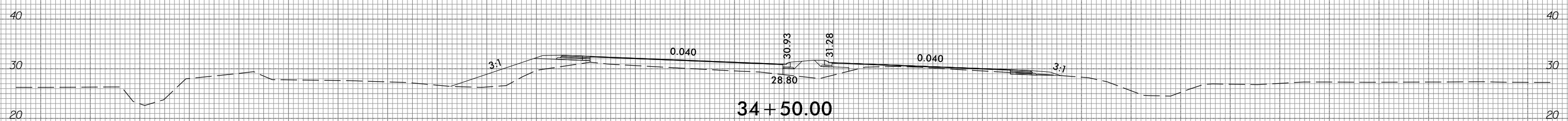
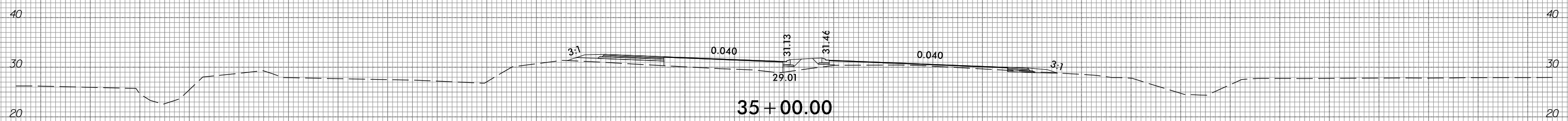
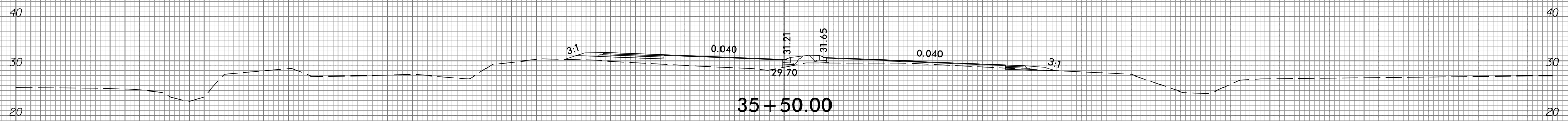
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-317

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-RPIAB-

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

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gncdlin

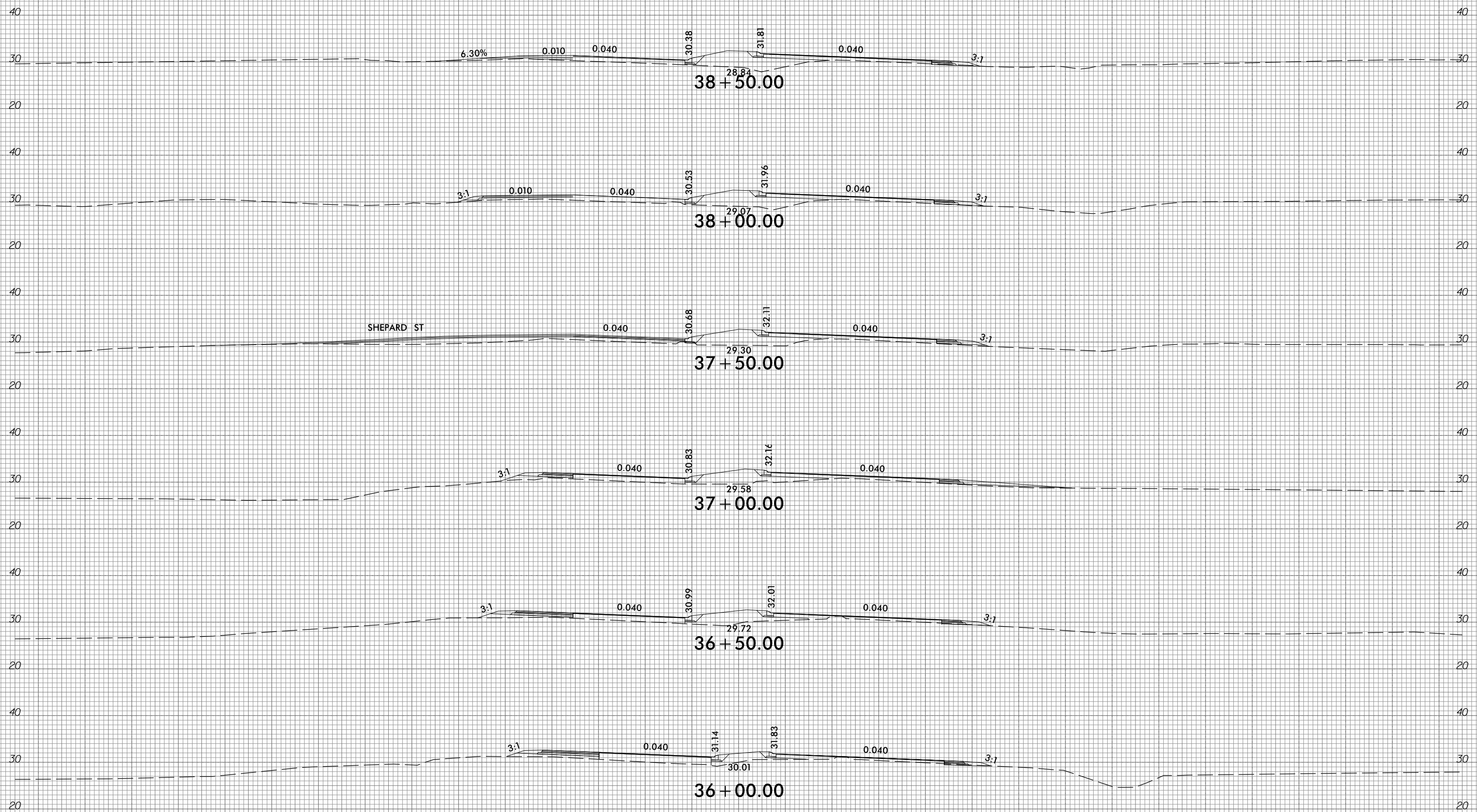
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-318

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



38+50.00

38+00.00

37+50.00

37+00.00

36+50.00

36+00.00

-RPIAB-

SHEPARD ST

10/31/2018  
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gncdlin

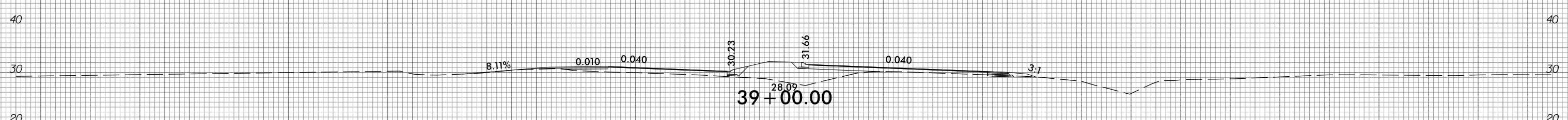
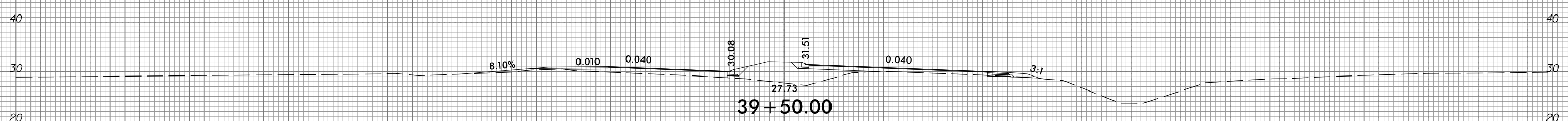
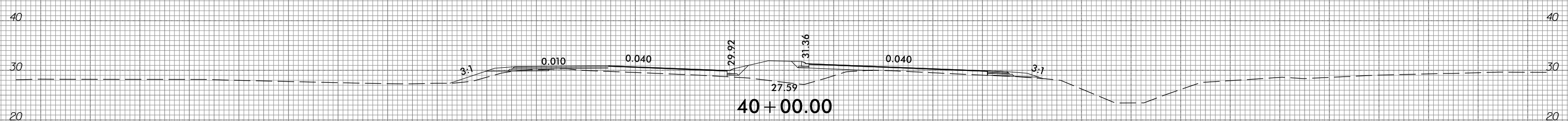
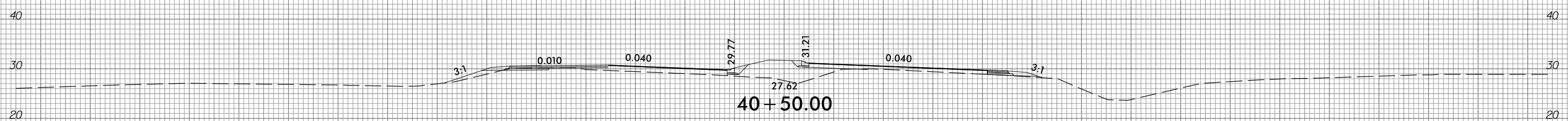
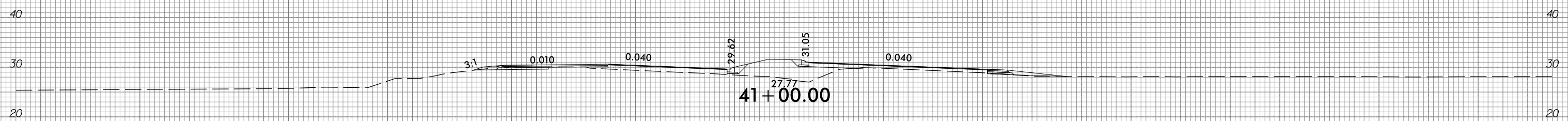
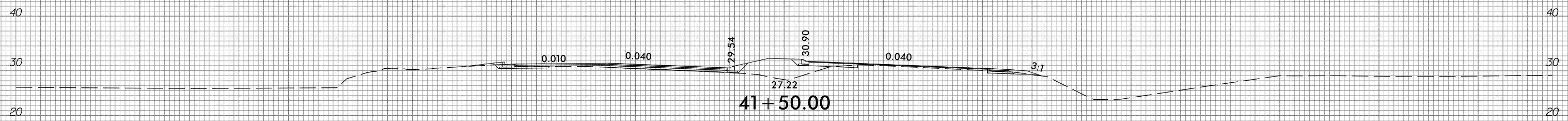
6/23/16



PROJ. REFERENCE NO.  
R-1015

SHEET NO.  
X-319

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-RPIAB-

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

10/31/2018  
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