

**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

**This file or an individual page
shall not be considered a certified document.**

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING".

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS *CROSS-SECTION SUMMARY*

Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt
L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)
10+00.00000	0	0	36+50.00000	103	37	60+50.00000	29	43	84+50.00000	134	129	108+50.00000	87	56	132+50.00000	190	140
10+50.00000	56	20	37+00.00000	125	32	61+00.00000	40	33	85+00.00000	100	134	109+00.00000	86	63	133+00.00000	200	146
11+00.00000	85	1	37+50.00000	117	26	61+50.00000	66	69	85+50.00000	90	112	109+50.00000	61	95	133+50.00000	268	166
11+50.00000	110	2	38+00.00000	102	32	62+00.00000	73	58	86+00.00000	103	88	110+00.00000	48	110	134+00.00000	247	160
12+00.00000	106	3	38+50.00000	81	60	62+50.00000	84	56	86+50.00000	104	117	110+50.00000	61	104	134+50.00000	137	142
12+50.00000	93	2	39+00.00000	69	90	63+00.00000	92	84	87+00.00000	104	114	111+00.00000	87	103	135+00.00000	163	105
13+00.00000	85	4	39+50.00000	97	88	63+50.00000	77	79	87+50.00000	87	122	111+50.00000	110	115	135+50.00000	181	79
13+50.00000	83	6	40+00.00000	100	79	64+00.00000	68	70	88+00.00000	63	150	112+00.00000	131	135	136+00.00000	103	75
14+00.00000	78	5				64+50.00000	74	108	88+50.00000	47	142	112+50.00000	119	146	136+50.00000	129	59
14+50.00000	72	22	Station	Uncl. Exc.	Embt	65+00.00000	50	148	89+00.00000	32	165	113+00.00000	92	142	137+00.00000	152	41
15+00.00000	78	46				65+50.00000	21	187	89+50.00000	34	175	113+50.00000	86	150	137+50.00000	167	33
15+50.00000	73	48	L	(cu. yd.)	(cu. yd.)	66+00.00000	20	185	90+00.00000	39	157	114+00.00000	92	132	138+00.00000	131	13
16+00.00000	72	42	40+00.00000	0	0	66+50.00000	17	198	90+50.00000	46	147	114+50.00000	96	97	138+50.00000	82	0
16+50.00000	87	41	40+50.00000	81	76	67+00.00000	88	205	91+00.00000	55	150	115+00.00000	91	128	139+00.00000	124	15
17+00.00000	68	54	41+00.00000	80	81	67+50.00000	133	139	91+50.00000	59	154	115+50.00000	75	164	139+50.00000	134	31
17+50.00000	40	75	41+50.00000	78	89	68+00.00000	67	109	92+00.00000	57	134	116+00.00000	58	158	140+00.00000	133	34
18+00.00000	44	81	42+00.00000	79	80	68+50.00000	32	90	92+50.00000	54	127	116+50.00000	51	141	140+50.00000	91	58
18+50.00000	49	81	42+50.00000	103	79	69+00.00000	37	75	93+00.00000	47	147	117+00.00000	44	130	141+00.00000	44	130
19+00.00000	48	80	43+00.00000	103	81	69+50.00000	49	93	93+50.00000	47	148	117+50.00000	40	131	141+50.00000	42	125
19+50.00000	52	75	43+50.00000	104	64	70+00.00000	62	123	94+00.00000	48	137	118+00.00000	37	133	142+00.00000	61	71
20+00.00000	63	65	44+00.00000	119	66				94+50.00000	43	125	118+50.00000	34	131	142+50.00000	86	69
20+50.00000	75	46	44+50.00000	111	70	Station	Uncl. Exc.	Embt	95+00.00000	44	118	119+00.00000	40	127	143+00.00000	91	68
21+00.00000	71	37	45+00.00000	127	60				95+50.00000	46	115	119+50.00000	50	131	143+50.00000	79	68
21+50.00000	65	37	45+50.00000	193	40	L	(cu. yd.)	(cu. yd.)	96+00.00000	47	107	120+00.00000	57	145	144+00.00000	74	73
22+00.00000	85	45	46+00.00000	173	38	70+00.00000	0	0	96+50.00000	51	101	120+50.00000	53	170	144+50.00000	80	79
22+50.00000	114	57	46+50.00000	103	57	70+50.00000	61	132	97+00.00000	51	100	121+00.00000	67	142	145+00.00000	66	64
23+00.00000	127	45	47+00.00000	105	44	71+00.00000	59	129	97+50.00000	47	101	121+50.00000	94	104	145+50.00000	49	57
23+50.00000	101	29	47+50.00000	86	27	71+50.00000	125	123	98+00.00000	48	108	122+00.00000	94	97	146+00.00000	55	59
24+00.00000	72	39	48+00.00000	66	44	72+00.00000	129	114	98+50.00000	48	113	122+50.00000	88	114	146+50.00000	50	65
24+50.00000	75	57	48+50.00000	59	64	72+50.00000	69	110	99+00.00000	47	100	123+00.00000	76	135	147+00.00000	35	95
25+00.00000	74	45	49+00.00000	50	83	73+00.00000	65	103	99+50.00000	51	75	123+50.00000	59	118	147+50.00000	31	124
25+50.00000	76	49	49+50.00000	44	108	73+50.00000	51	90	100+00.00000	58	78	124+00.00000	50	101	148+00.00000	40	132
26+00.00000	107	63	50+00.00000	40	129	74+00.00000	59	78				124+50.00000	44	94	148+50.00000	48	134
26+50.00000	126	49	50+50.00000	35	124	74+50.00000	138	73	Station	Uncl. Exc.	Embt	125+00.00000	40	99	149+00.00000	49	144
27+00.00000	113	40	51+00.00000	34	111	75+00.00000	214	78				125+50.00000	49	99	149+50.00000	59	154
27+50.00000	95	47	51+50.00000	29	88	75+50.00000	133	96	L	(cu. yd.)	(cu. yd.)	126+00.00000	66	93	150+00.00000	57	149
28+00.00000	61	60	52+00.00000	29	97	76+00.00000	32	72	100+00.00000	0	0	126+50.00000	74	86	150+50.00000	39	135
28+50.00000	50	69	52+50.00000	34	119	76+50.00000	24	50	100+50.00000	66	82	127+00.00000	58	72	151+00.00000	17	121
29+00.00000	70	58	53+00.00000	38	114	77+00.00000	34	133	101+00.00000	60	75	127+50.00000	47	129	151+50.00000	29	145
29+50.00000	64	50	53+50.00000	38	85	77+50.00000	45	192	101+50.00000	45	85	128+00.00000	43	165	152+00.00000	83	188
30+00.00000	53	60	54+00.00000	40	63	78+00.00000	47	172	102+00.00000	44	87	128+50.00000	33	107	152+50.00000	91	207
30+50.00000	51	79	54+50.00000	39	83	78+50.00000	45	157	102+50.00000	67	74	129+00.00000	44	73	153+00.00000	146	222
31+00.00000	46	90	55+00.00000	36	91	79+00.00000	46	145	103+00.00000	81	62	129+50.00000	73	66	153+50.00000	149	223
31+50.00000	44	76	55+50.00000	35	93	79+50.00000	47	141	103+50.00000	85	54	130+00.00000	71	83	154+00.00000	69	199
32+00.00000	50	70	56+00.00000	36	87	80+00.00000	45	131	104+00.00000	91	55				154+50.00000	72	180
32+50.00000	52	79	56+50.00000	35	85	80+50.00000	45	132	104+50.00000	73	61	Station	Uncl. Exc.	Embt	155+00.00000	67	179
33+00.00000	48	92	57+00.00000	33	88	81+00.00000	47	140	105+00.00000	56	68				155+50.00000	49	180
33+50.00000	49	100	57+50.00000	34	84	81+50.00000	40	145	105+50.00000	50	82	L	(cu. yd.)	(cu. yd.)	156+00.00000	45	178
34+00.00000	47	95	58+00.00000	34	78	82+00.00000	33	140	106+00.00000	46	88	130+00.00000	0	0	156+50.00000	57	176
34+50.00000	37	86	58+50.00000	30	82	82+50.00000	29	120	106+50.00000	42	84	130+50.00000	64	97	157+00.00000	61	177
35+00.00000	28	77	59+00.00000	28	84	83+00.00000	21	118	107+00.00000	49	78	131+00.00000	120	103	157+50.00000	45	177
35+50.00000	42	67	59+50.00000	28	86	83+50.00000	20	127	107+50.00000	59	75	131+50.00000	235	124	158+00.00000	51	163
36+00.00000	68	48	60+00.00000	33	83	84+00.00000	85	129	108+00.00000	68	69	132+00.00000	256	145	158+50.00000	65	108

2/26/2016 1:58:23 PM R-4416_rdy_xsc_Summary_X1.dgn

STATE OF NORTH
CAROLINA
DIVISION OF HIGHWAYS
CROSS-SECTION SUMMARY

Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt						
L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	L	(cu. yd.)	(cu. yd.)	Y1	(cu. yd.)	(cu. yd.)						
159+00.0000	67	85	183+00.0000	61	60	207+00.0000	81	38	10+95.00000	0	0						
159+50.0000	59	102	183+50.0000	49	57	207+50.0000	84	43	11+00.00000	3	0						
160+00.0000	48	77	184+00.0000	51	55	208+00.0000	81	47	11+46.90259	79	0						
			184+50.0000	57	64	208+50.0000	59	52									
			185+00.0000	59	79	209+00.0000	43	49									
			185+50.0000	41	87	209+50.0000	44	40									
			186+00.0000	22	93	210+00.0000	38	39									
160+00.0000	0	0	186+50.0000	26	89	210+50.0000	35	45									
160+50.0000	43	47	187+00.0000	30	79	211+00.0000	42	67									
161+00.0000	33	95	187+50.0000	36	40	211+50.0000	48	75									
161+50.0000	14	179	188+00.0000	39	6	212+00.0000	50	70									
162+00.0000	26	203	188+50.0000	41	4	212+50.0000	48	71									
162+50.0000	40	207	189+00.0000	49	3	213+00.0000	48	71									
163+00.0000	54	134	189+50.0000	49	3	213+50.0000	73	71									
163+50.0000	71	42	190+00.0000	45	28	214+00.0000	50	69									
164+00.0000	65	40				214+50.0000	58	65									
164+50.0000	56	60	Station	Uncl. Exc.	Embt	215+00.0000	78	70									
165+00.0000	33	83				215+50.0000	31	86									
165+50.0000	61	94	L	(cu. yd.)	(cu. yd.)	216+00.0000	22	97									
166+00.0000	79	101	190+00.0000	0	0	216+50.0000	31	83									
166+50.0000	48	117	190+50.0000	43	50	217+00.0000	42	34									
167+00.0000	45	95	191+00.0000	42	46	217+50.0000	59	0									
167+50.0000	62	63	191+50.0000	45	37	218+00.0000	75	0									
168+00.0000	80	63	192+00.0000	71	36	218+50.0000	78	0									
168+50.0000	82	74	192+50.0000	74	58	219+00.0000	70	0									
169+00.0000	127	99	193+00.0000	94	71	219+50.0000	62	21									
169+50.0000	152	161	193+50.0000	100	67	220+00.0000	58	42									
170+00.0000	99	205	194+00.0000	62	44	220+50.0000	50	47									
170+50.0000	59	180	194+50.0000	53	22	221+00.0000	43	49									
171+00.0000	42	161	195+00.0000	79	31	221+50.0000	39	45									
171+50.0000	41	149	195+50.0000	78	43	222+00.0000	42	34									
172+00.0000	58	136	196+00.0000	80	73	222+50.0000	46	21									
172+50.0000	58	146	196+50.0000	146	96	223+00.0000	48	8									
173+00.0000	51	152	197+00.0000	150	98												
173+50.0000	54	155	197+50.0000	120	109												
174+00.0000	54	154	198+00.0000	100	119												
174+50.0000	51	147	198+50.0000	81	115												
175+00.0000	53	159	199+00.0000	93	101												
175+50.0000	48	179	199+50.0000	144	83												
176+00.0000	44	181	200+00.0000	151	66												
176+50.0000	45	165	200+50.0000	124	63												
177+00.0000	41	143	201+00.0000	169	69												
177+50.0000	37	140	201+50.0000	210	70												
178+00.0000	42	154	202+00.0000	147	71												
178+50.0000	49	151	202+50.0000	89	73												
179+00.0000	41	131	203+00.0000	66	78												
179+50.0000	31	117	203+50.0000	40	88												
180+00.0000	31	105	204+00.0000	47	89												
180+50.0000	36	93	204+50.0000	76	70												
181+00.0000	44	91	205+00.0000	103	49												
181+50.0000	64	83	205+50.0000	110	40												
182+00.0000	86	67	206+00.0000	98	36												
182+50.0000	83	60	206+50.0000	84	35												

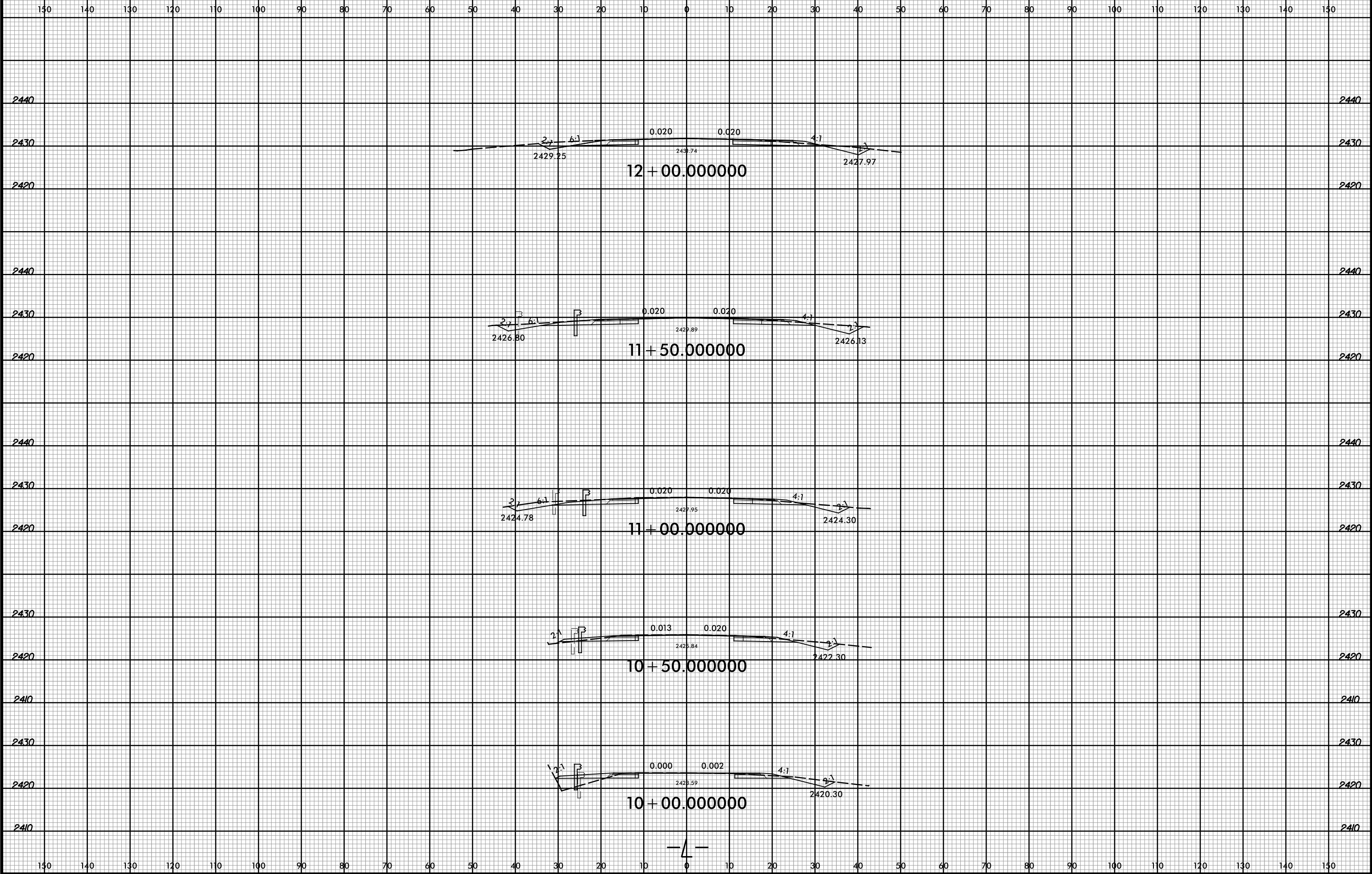
2/17/2016 3:05:58 PM
I:\Roadway\CorridorModeling\R-4416_rdy_xsc_Summary_X1A.dgn

8/23/99



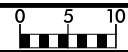
PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-2



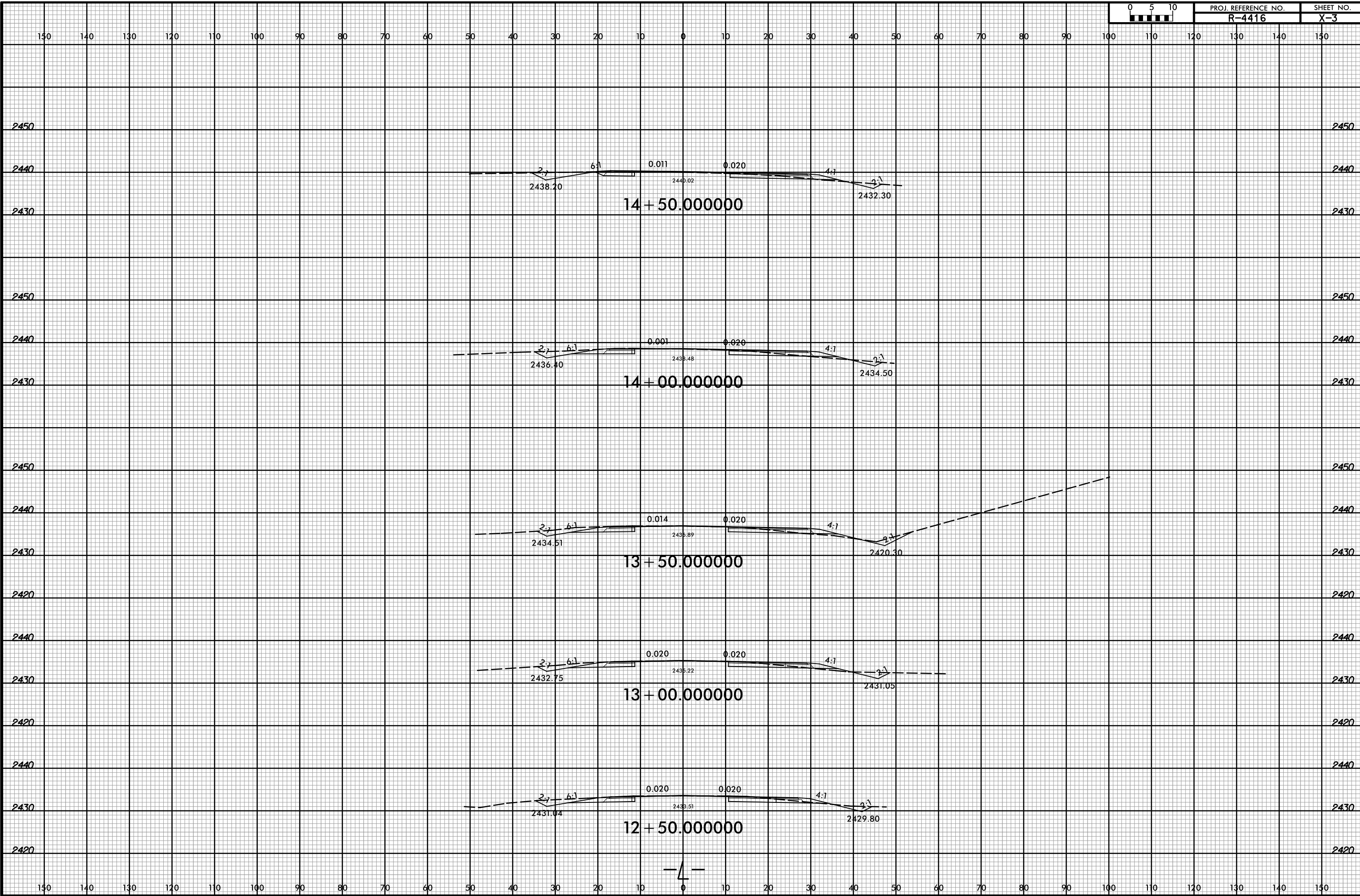
2/17/2016 3:09:09 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

8/23/99



PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-3



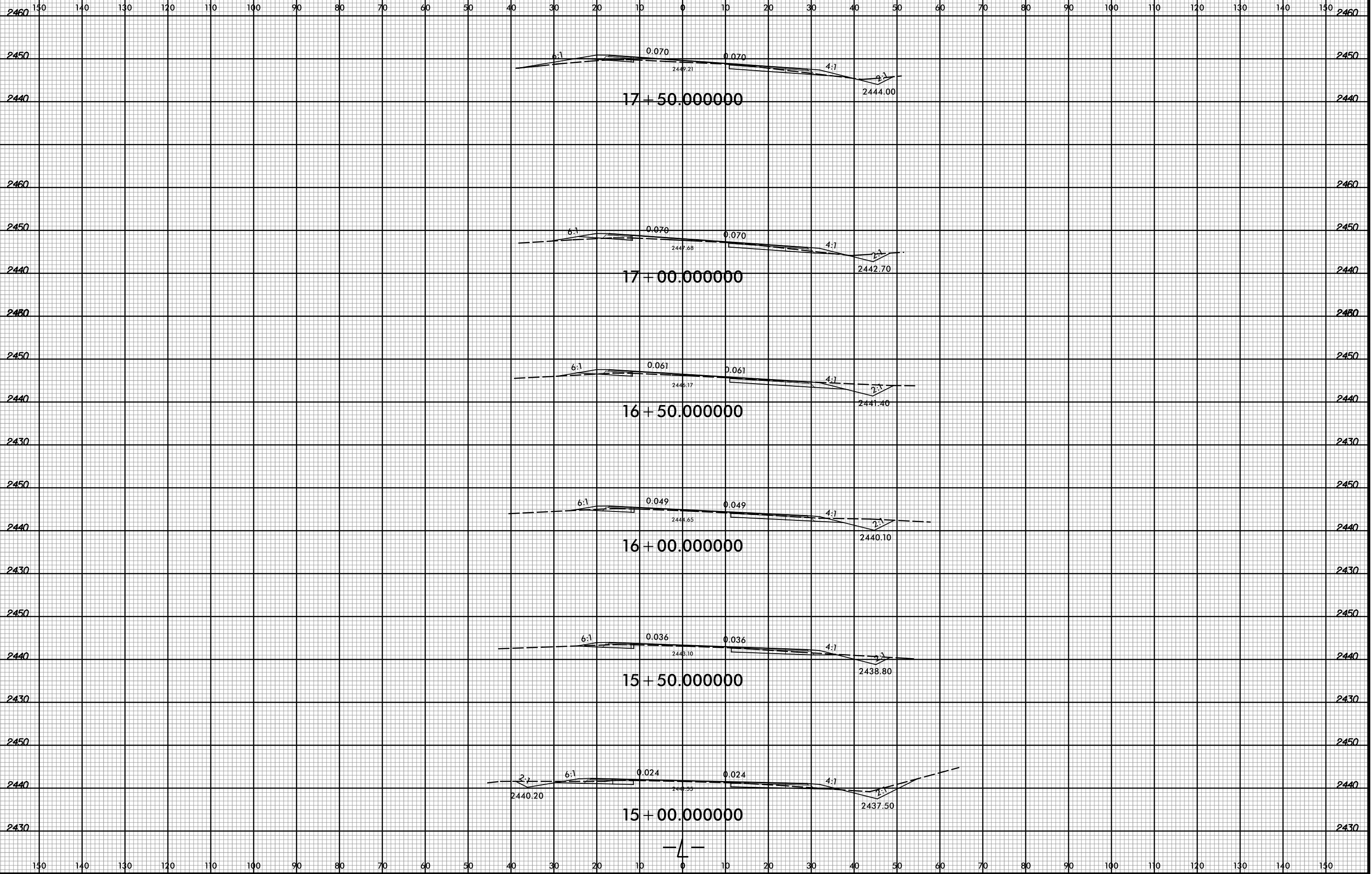
2/17/2016 3:09:09 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

8/23/99

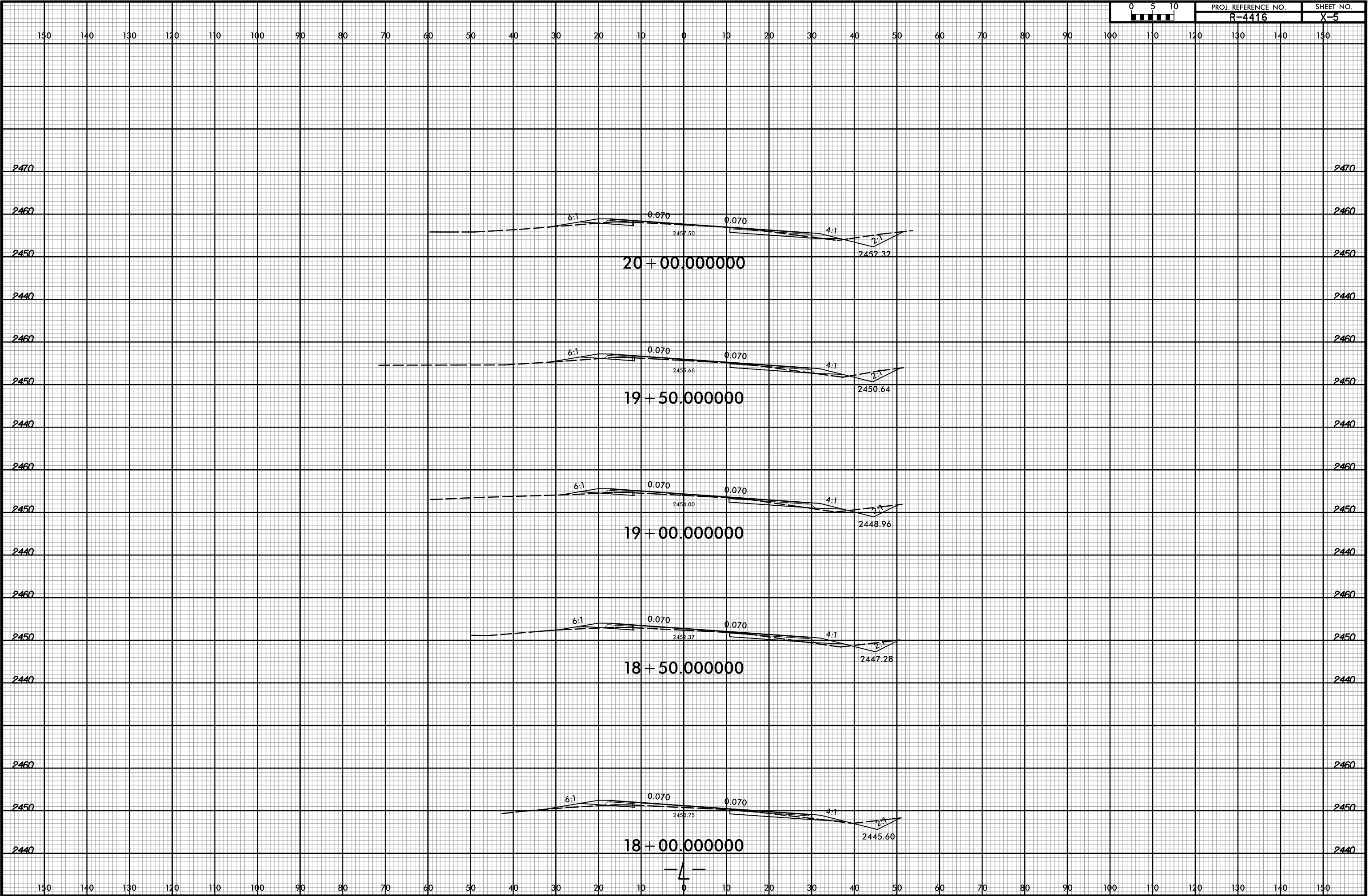


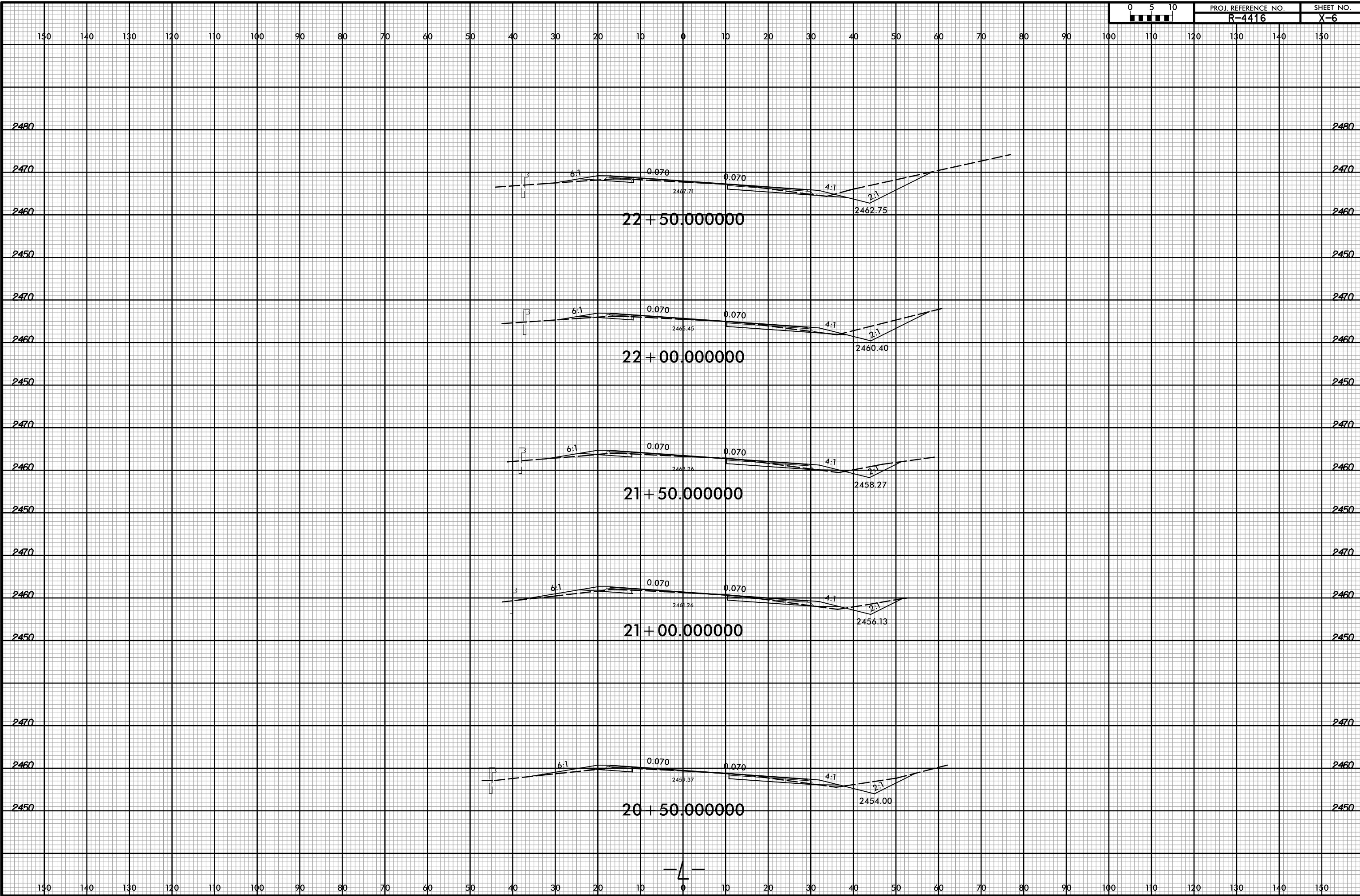
PROJ. REFERENCE NO.
R-4416

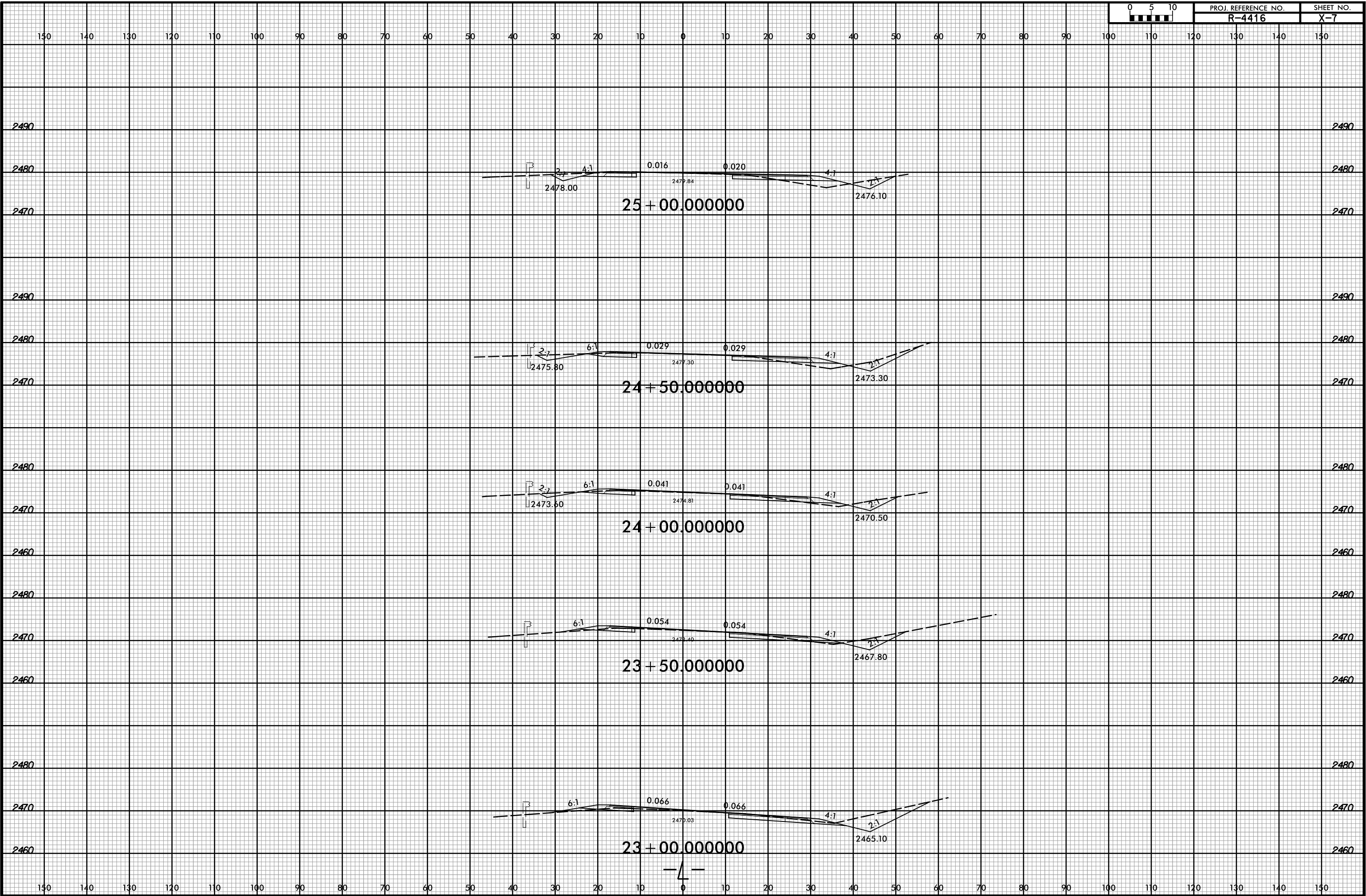
SHEET NO.
X-4



2/18/2016 4:17:52 PM
R:\Roadway\CorridorModeling\R-4416.rdy.L_XPL.dgn
USER: todd.buckner





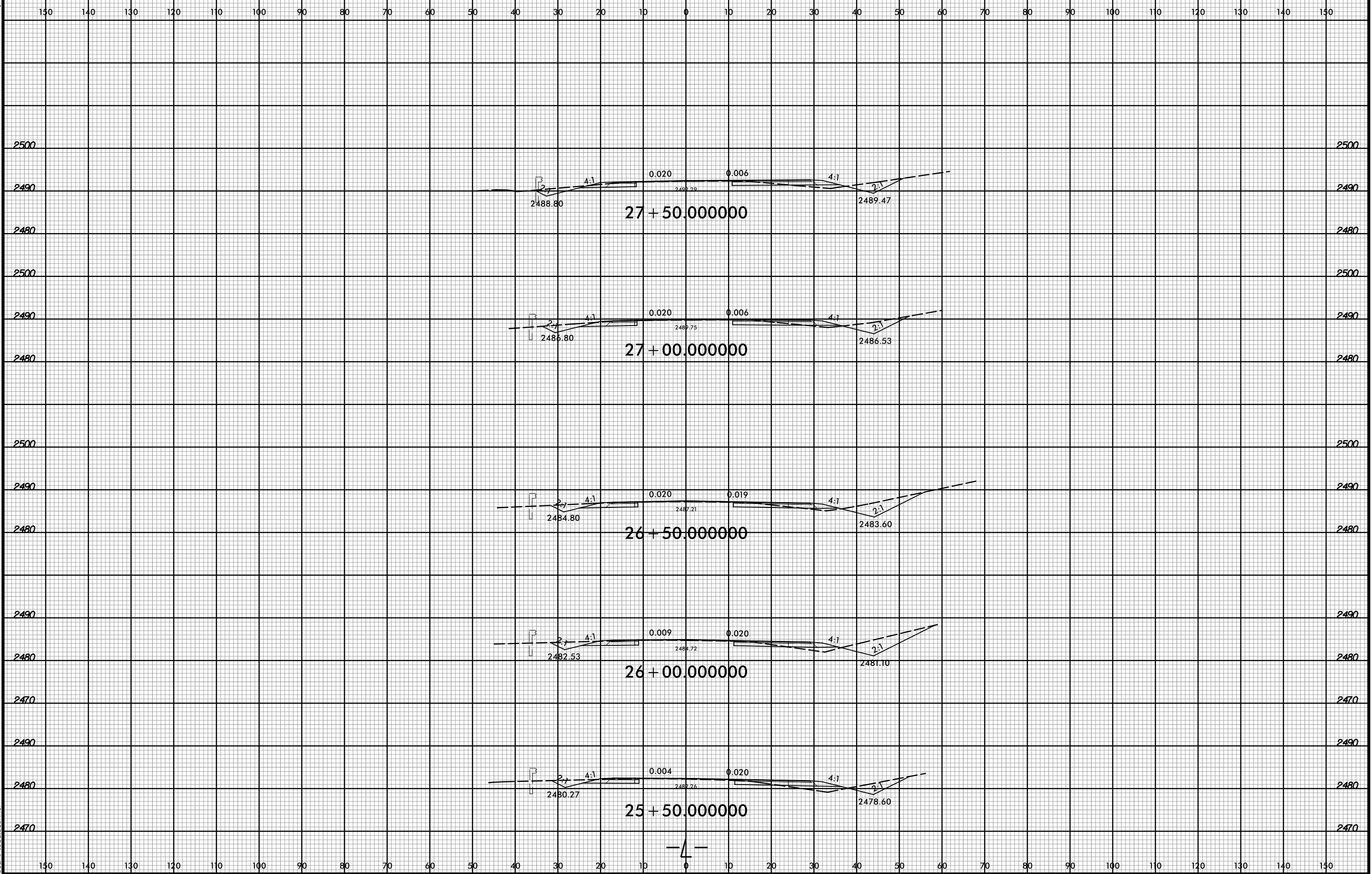


8/23/99

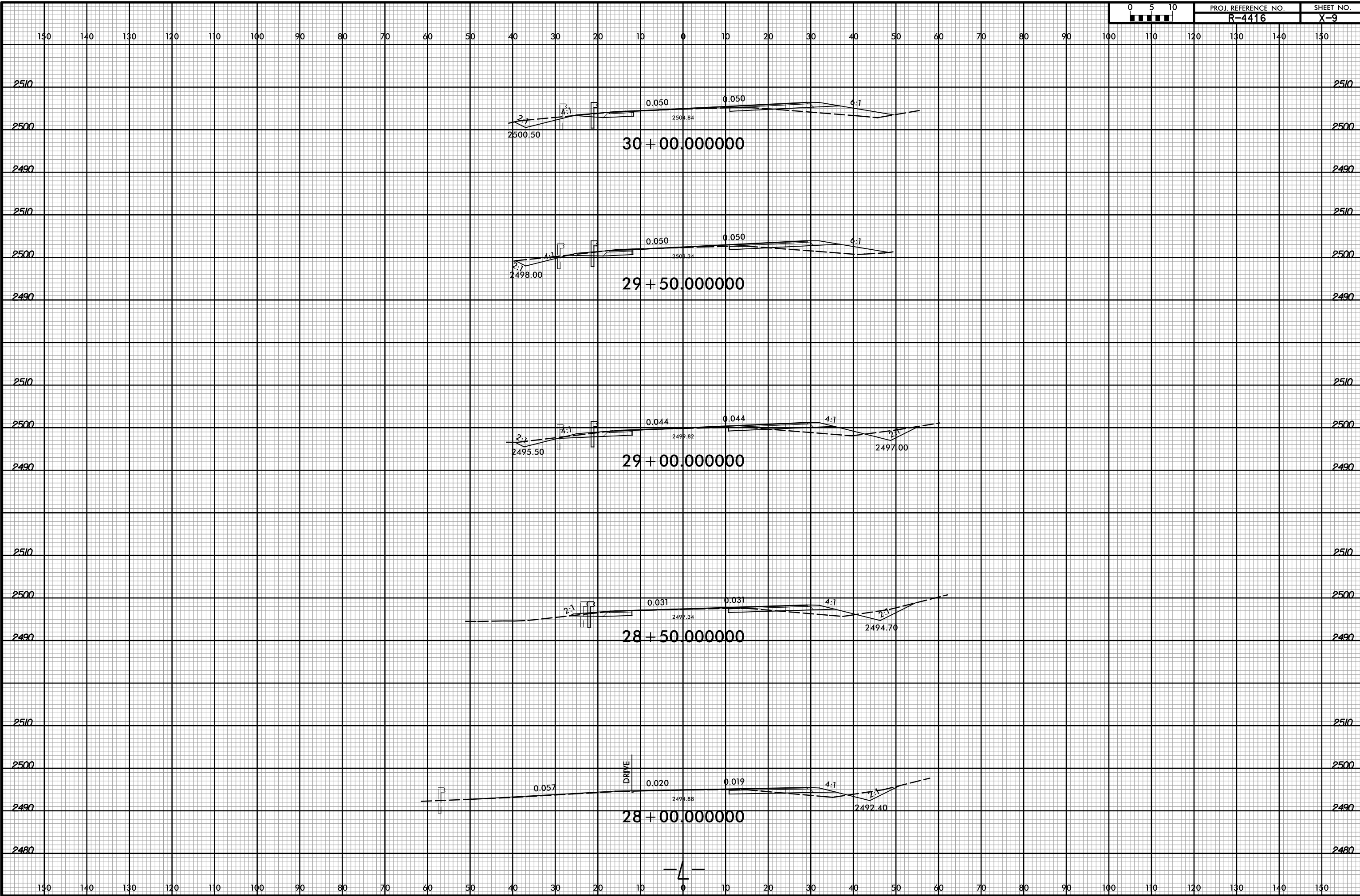


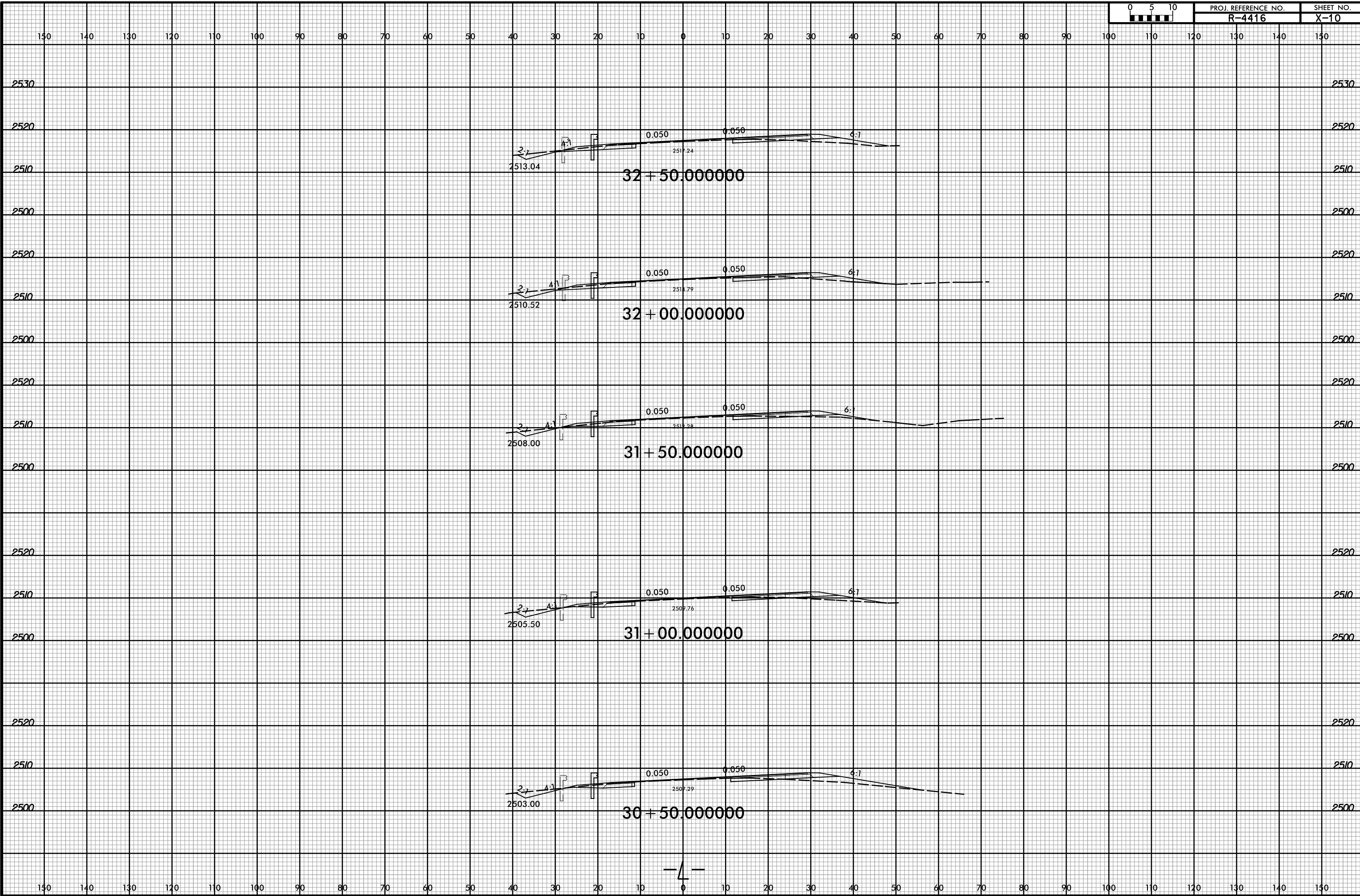
PROJ. REFERENCE NO.
R-4416

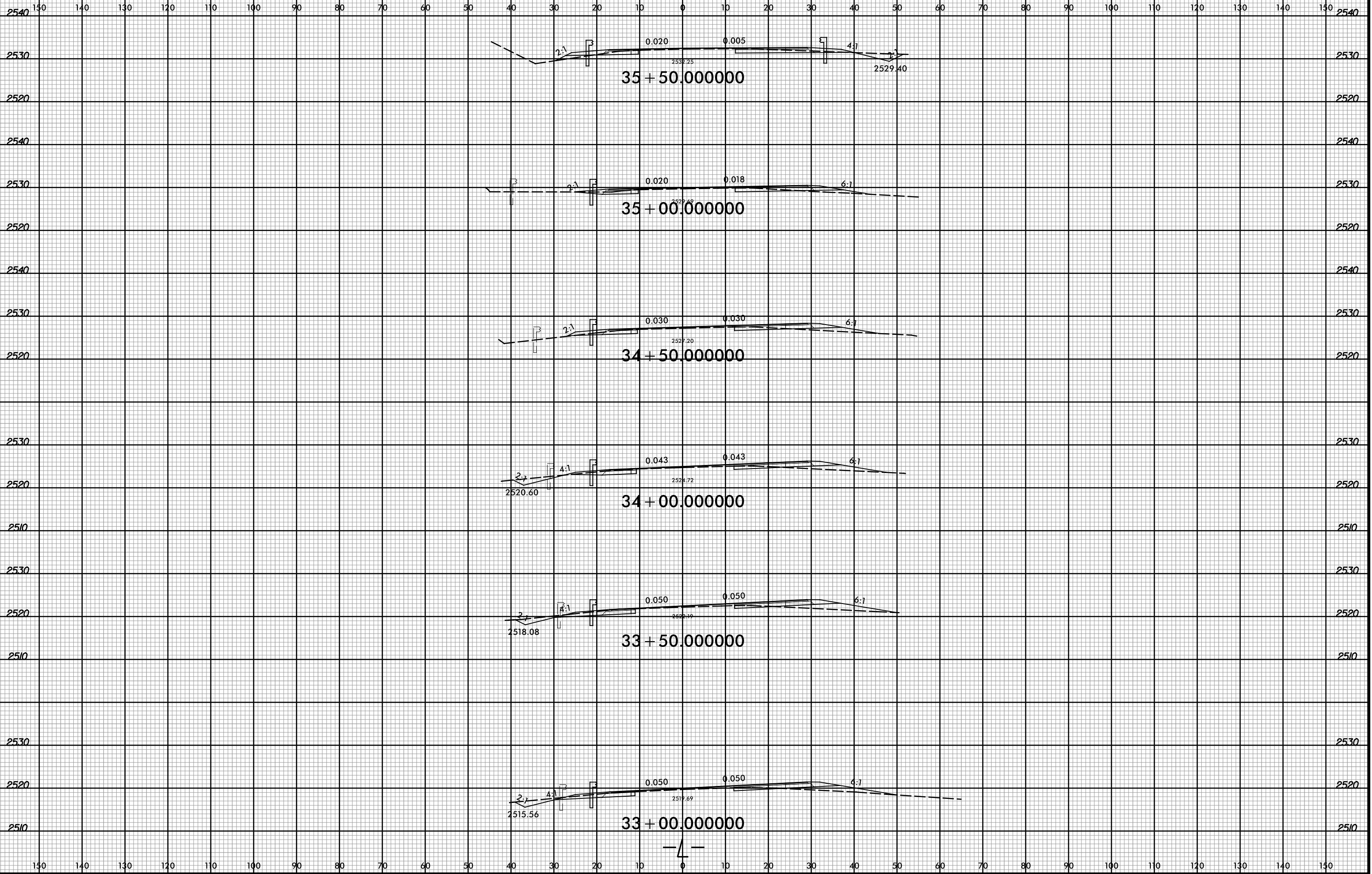
SHEET NO.
X-8



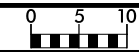
2/17/2016 3:09:42 PM
R:\Roadway\CerritosModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner





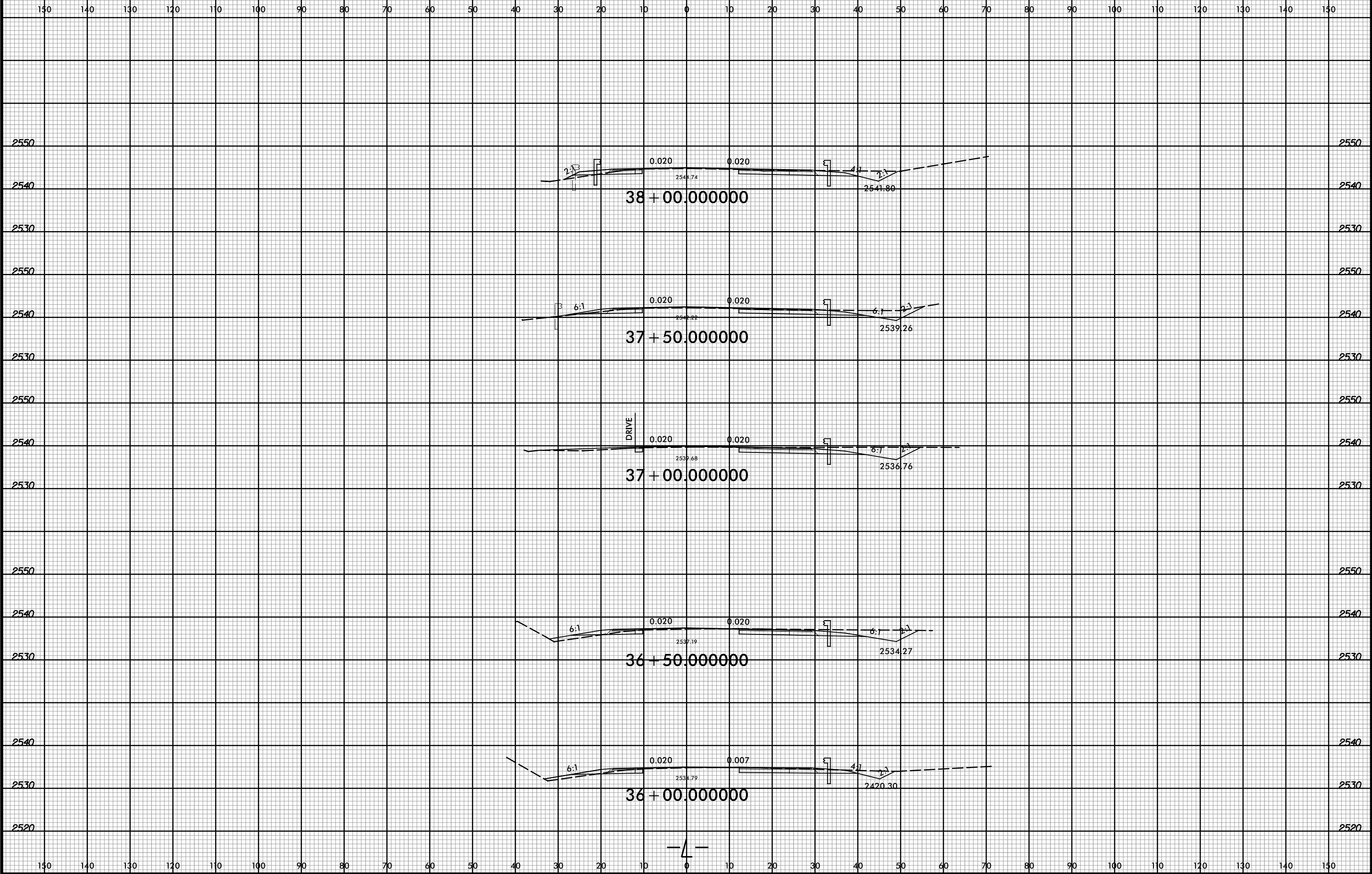


8/23/99

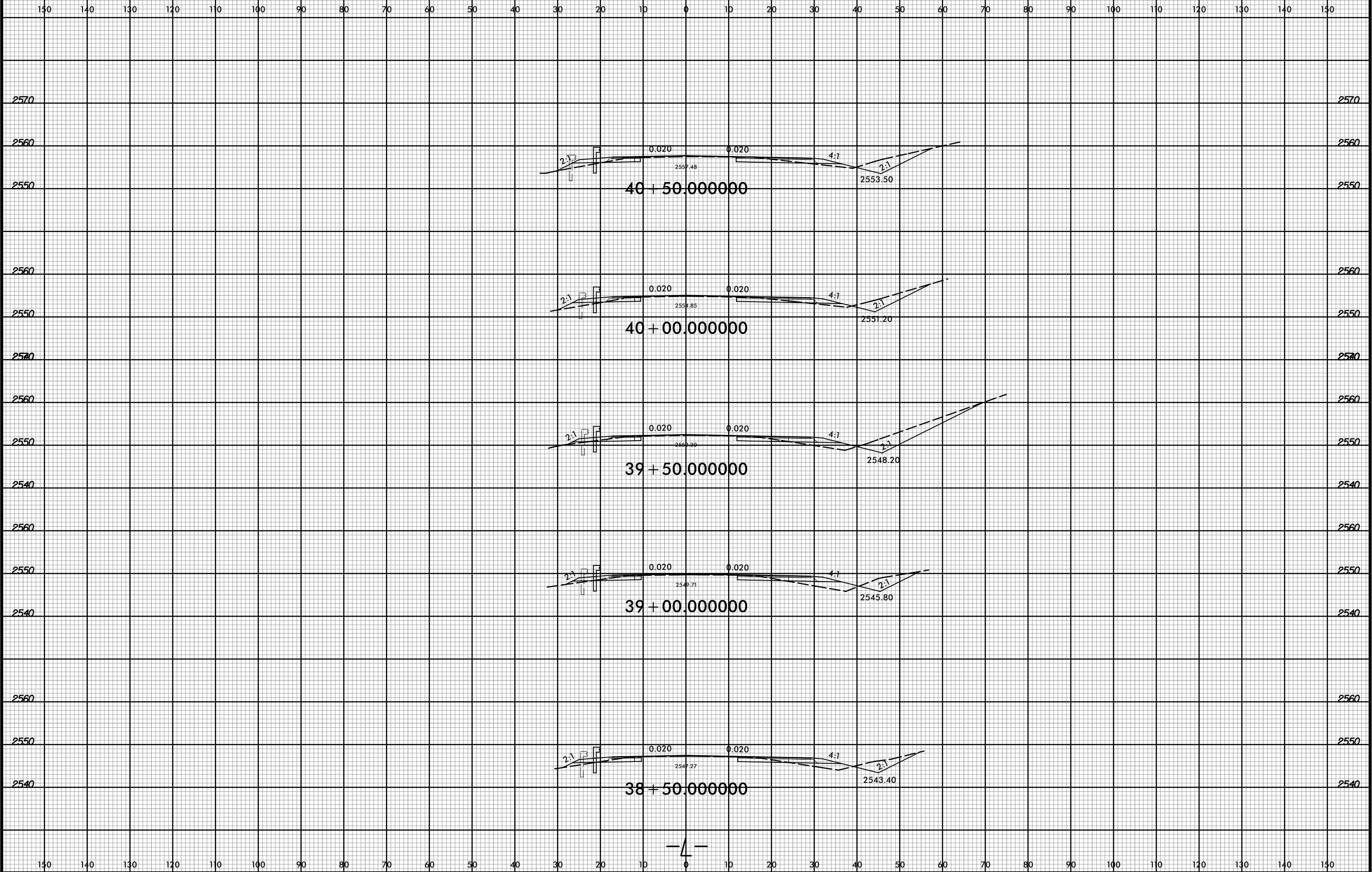


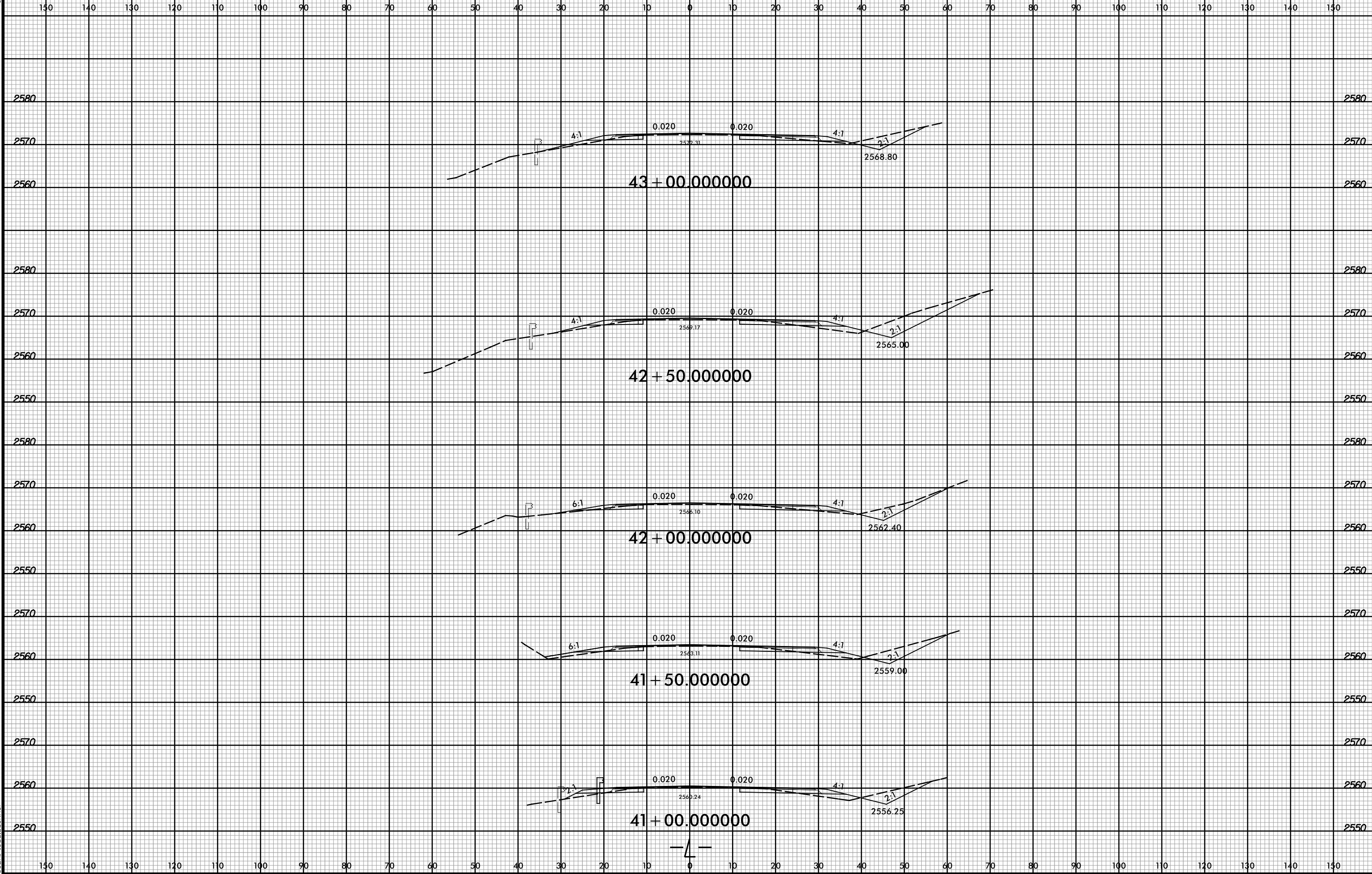
PROJ. REFERENCE NO.
R-4416

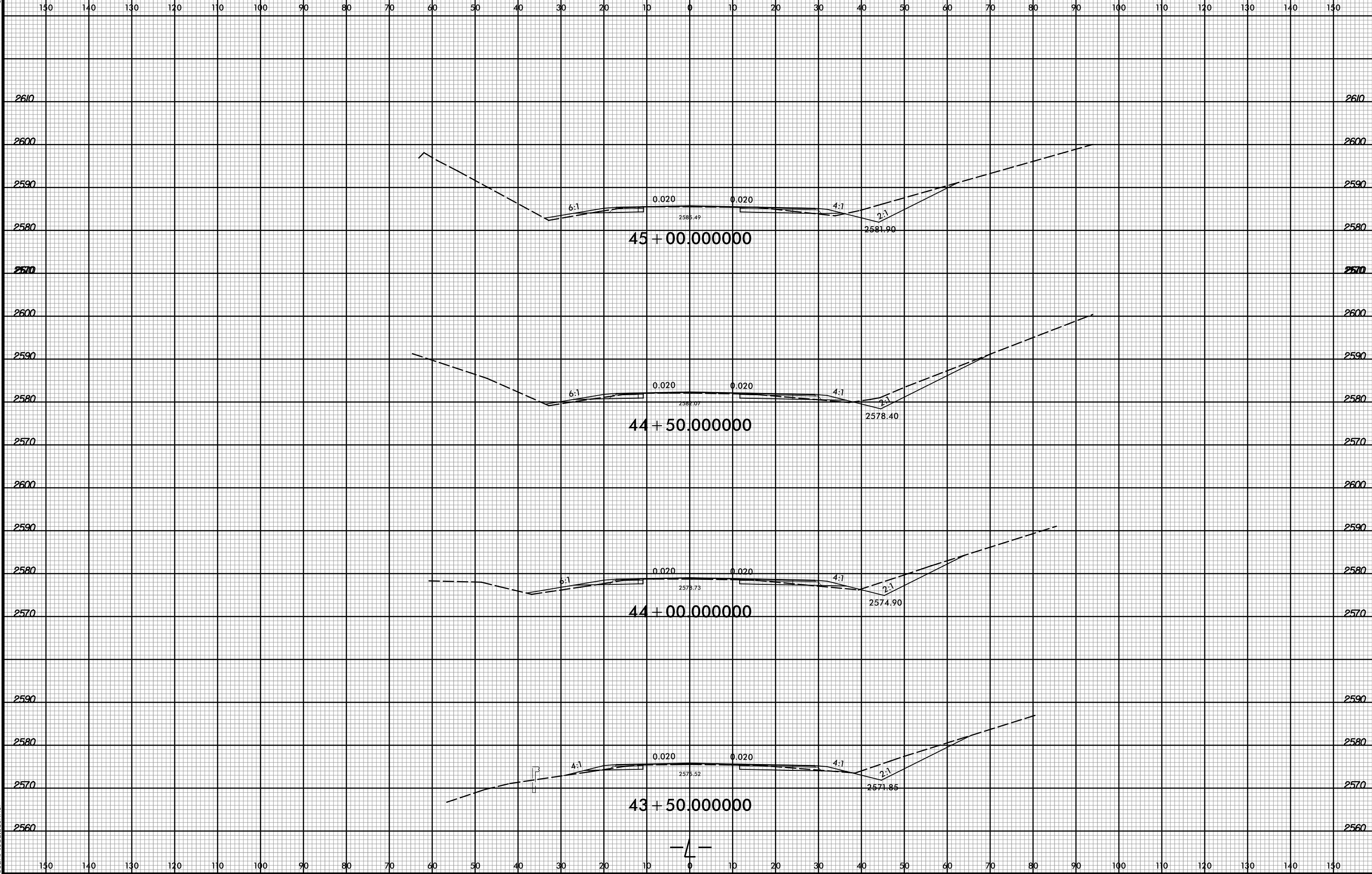
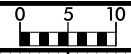
SHEET NO.
X-12



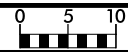
2/17/2016 3:09:44 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner





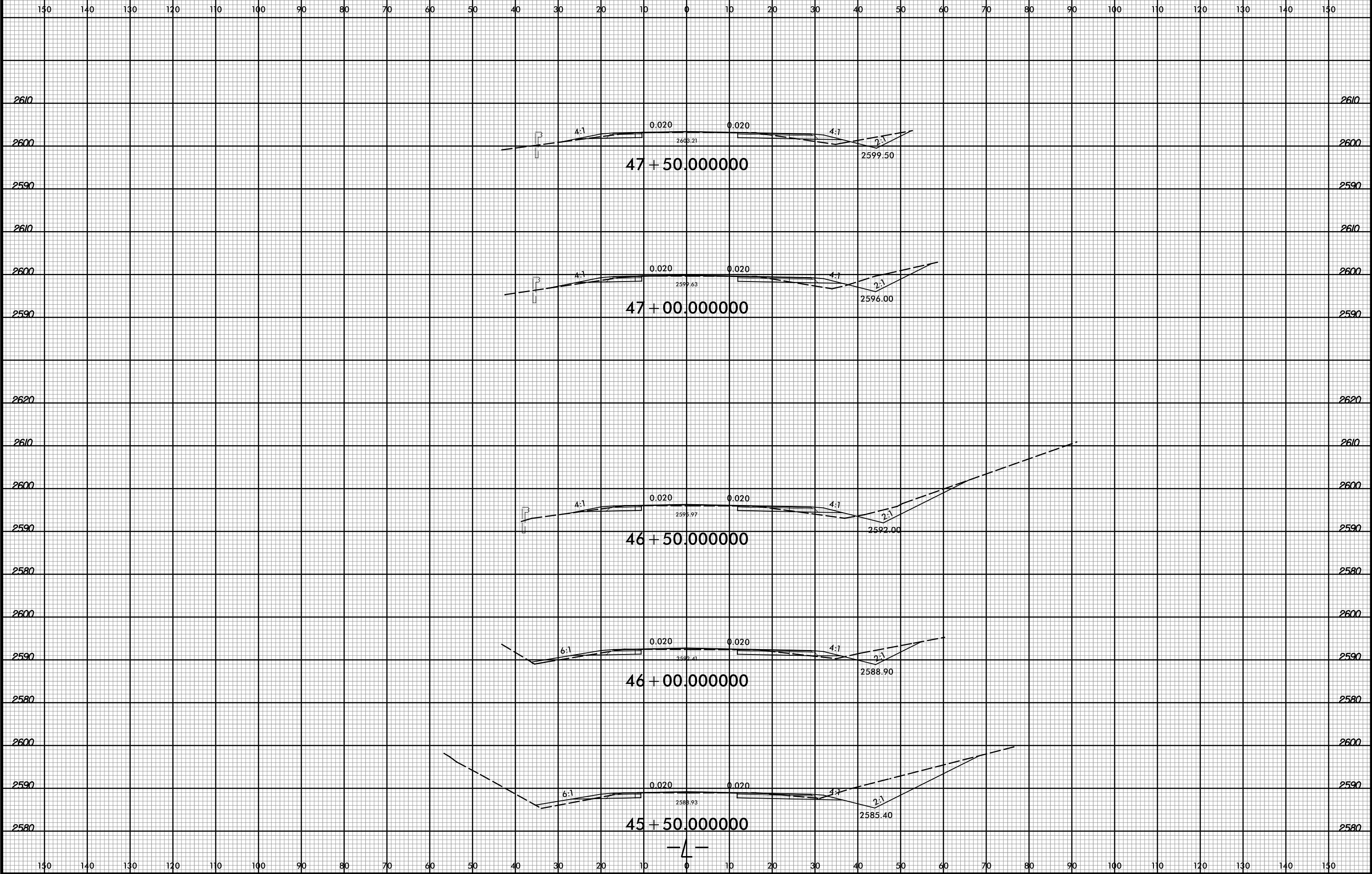


8/23/99

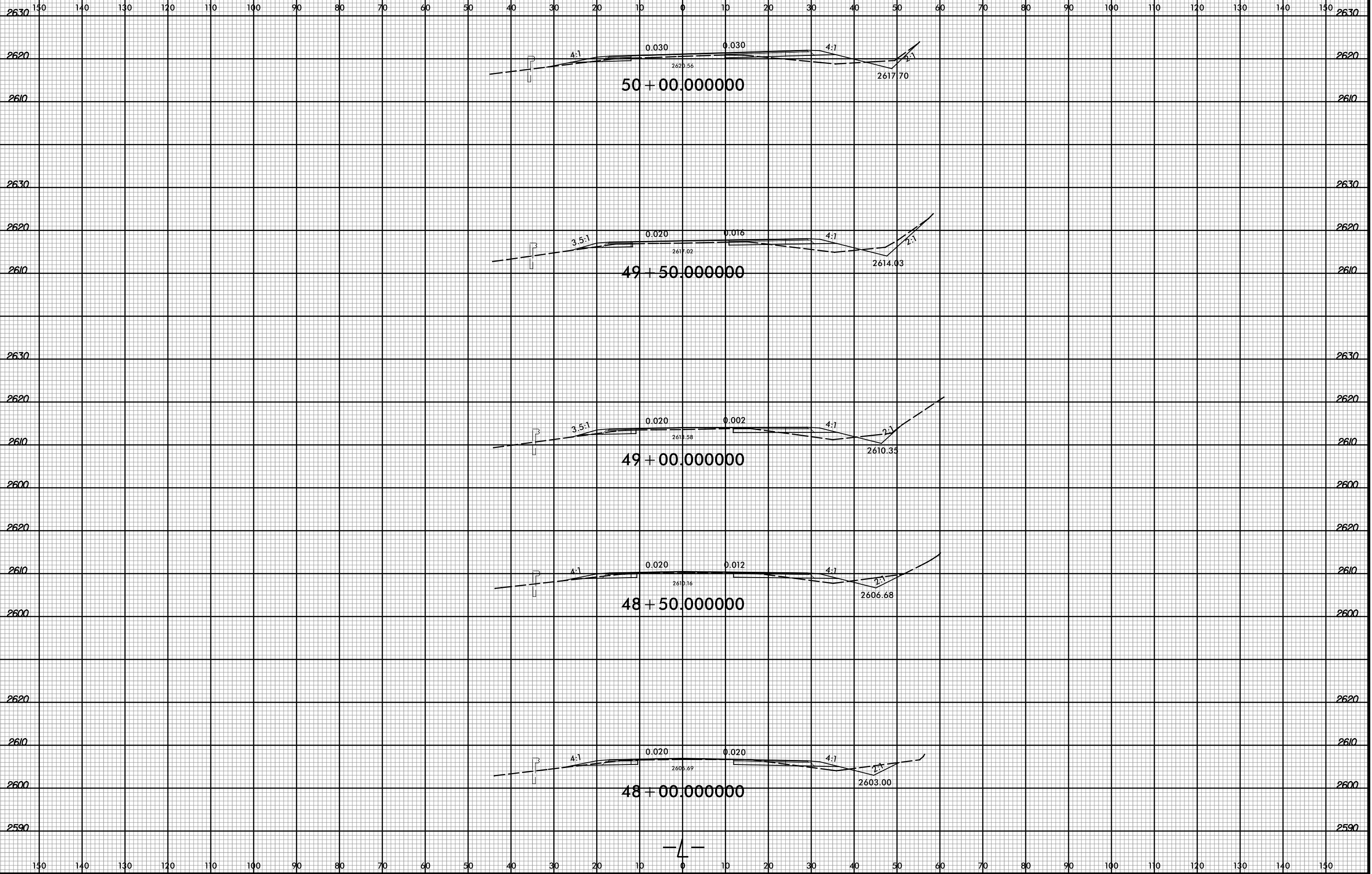


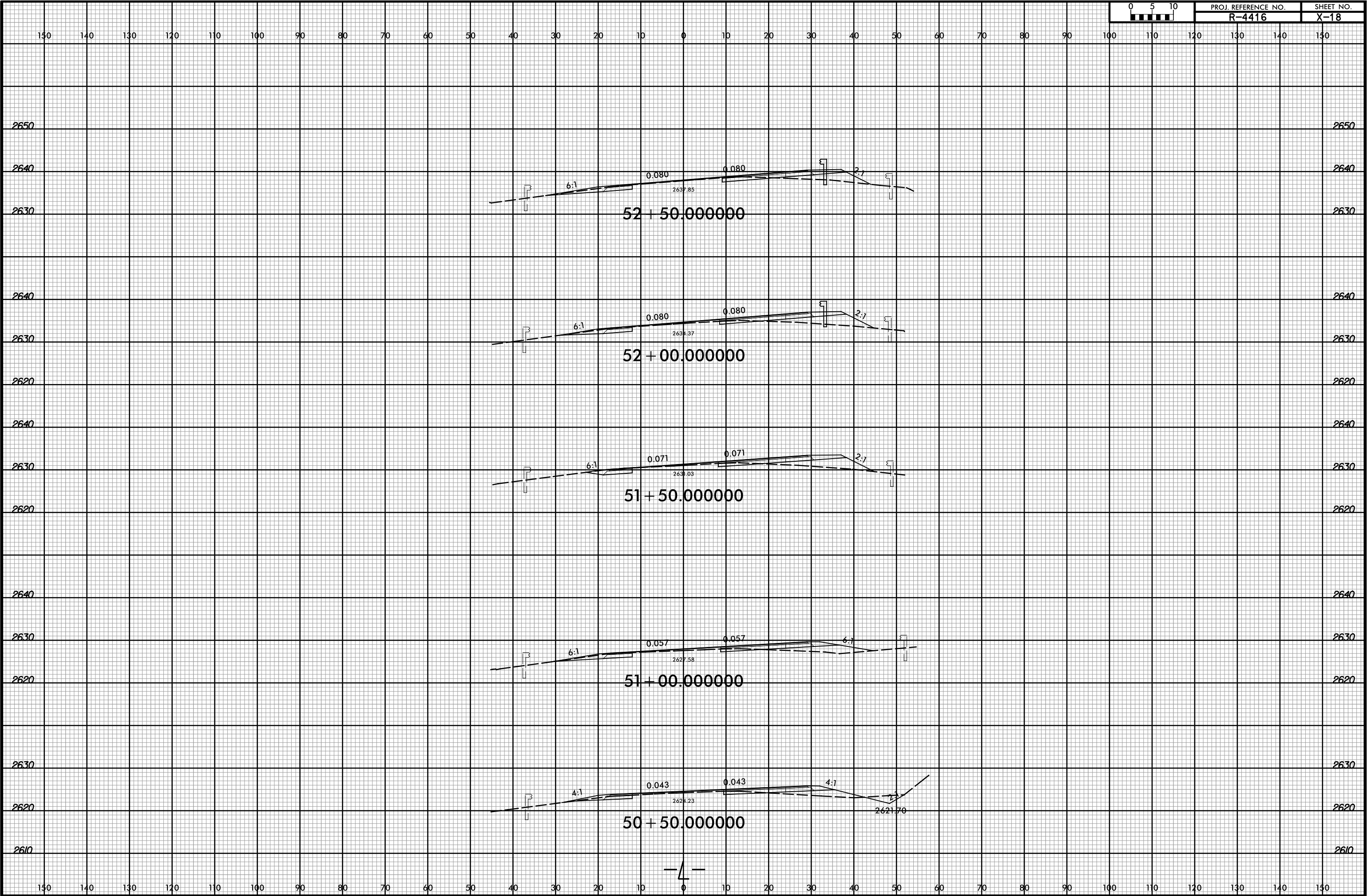
PROJ. REFERENCE NO.
R-4416

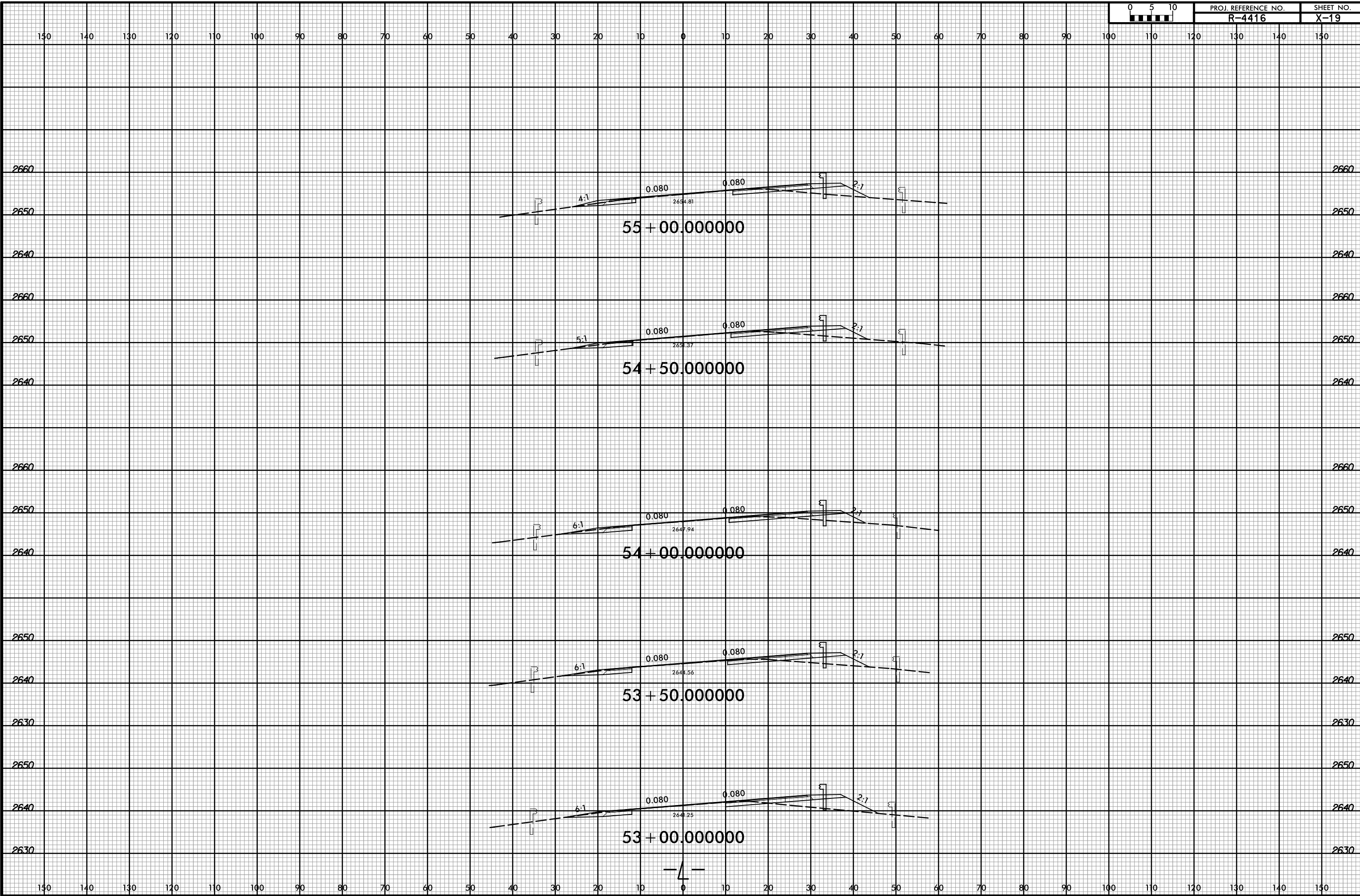
SHEET NO.
X-16

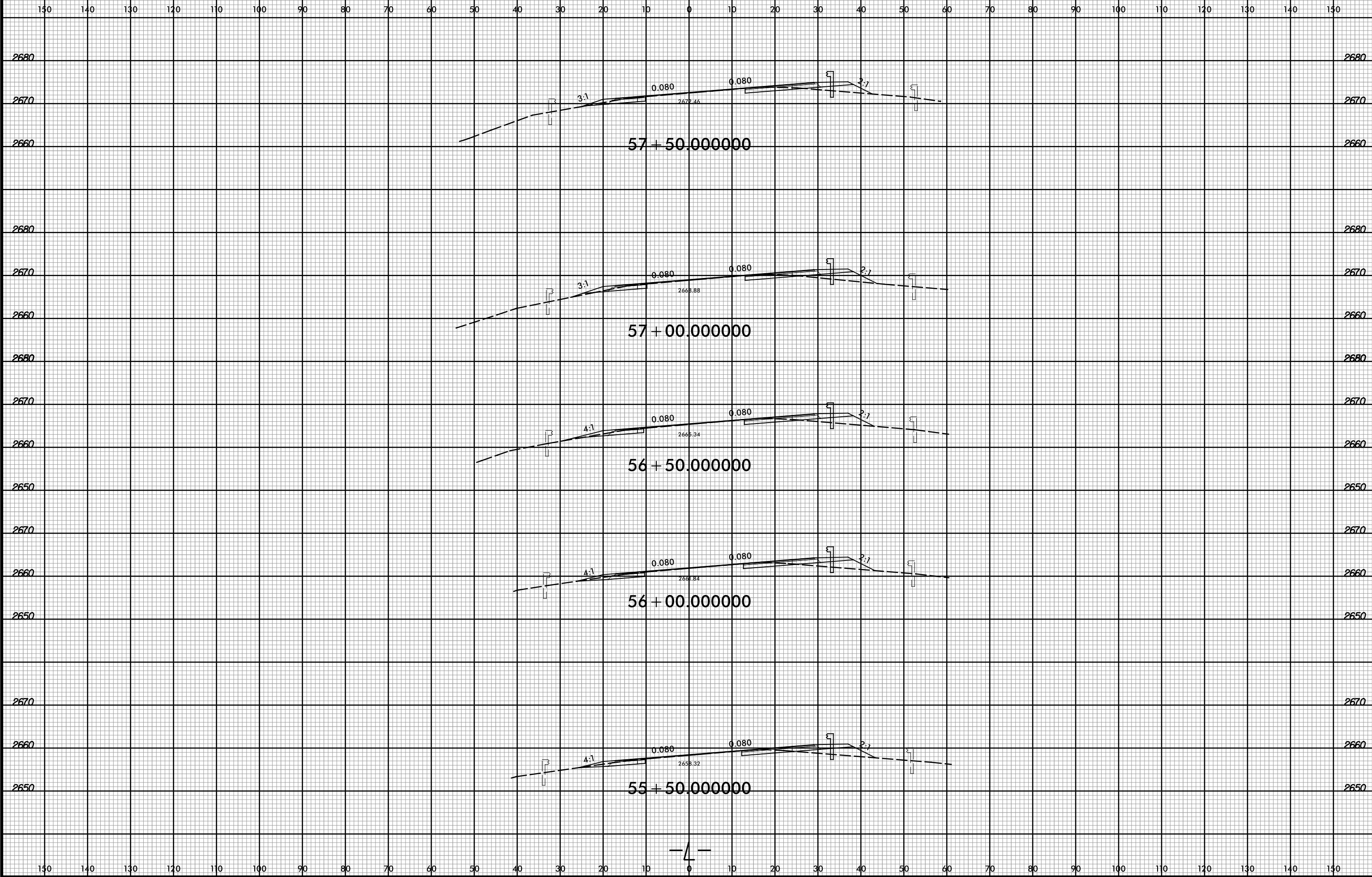


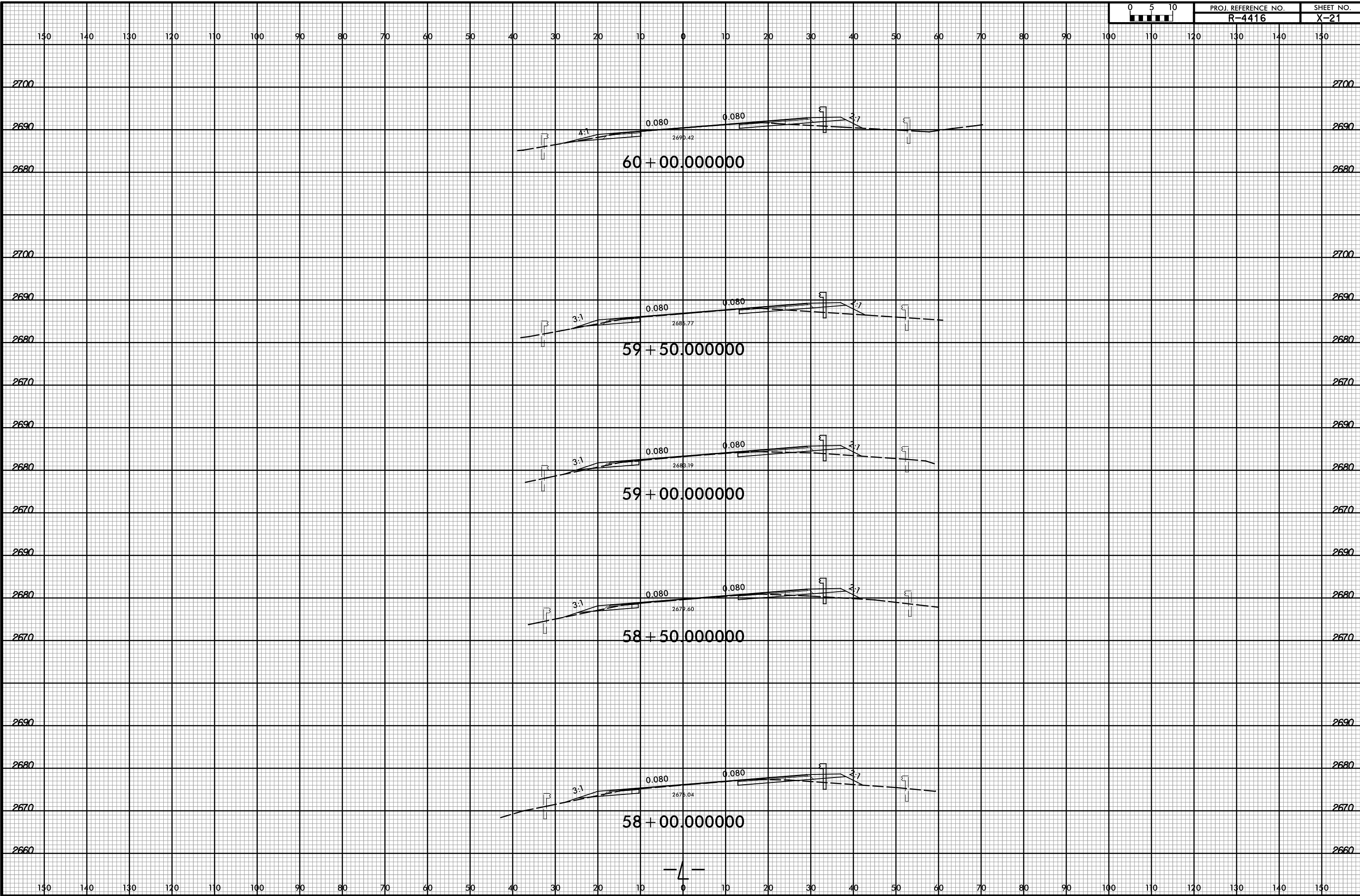
2/17/2016 3:09:45 PM
R:\Roadway\CorridorModeling\R-4416.rdy.L_XPL.dgn
USER: todd.buckner

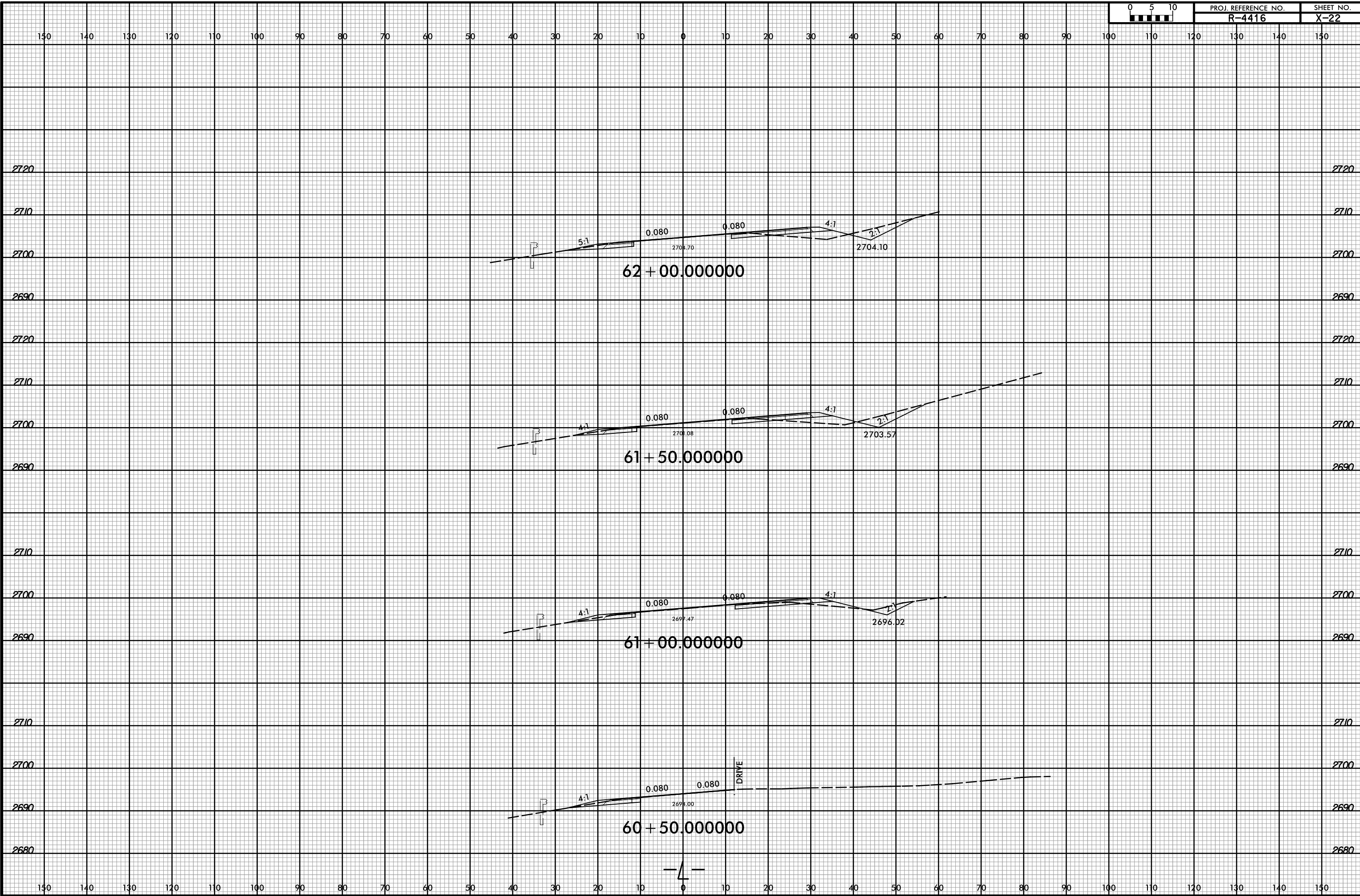




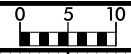






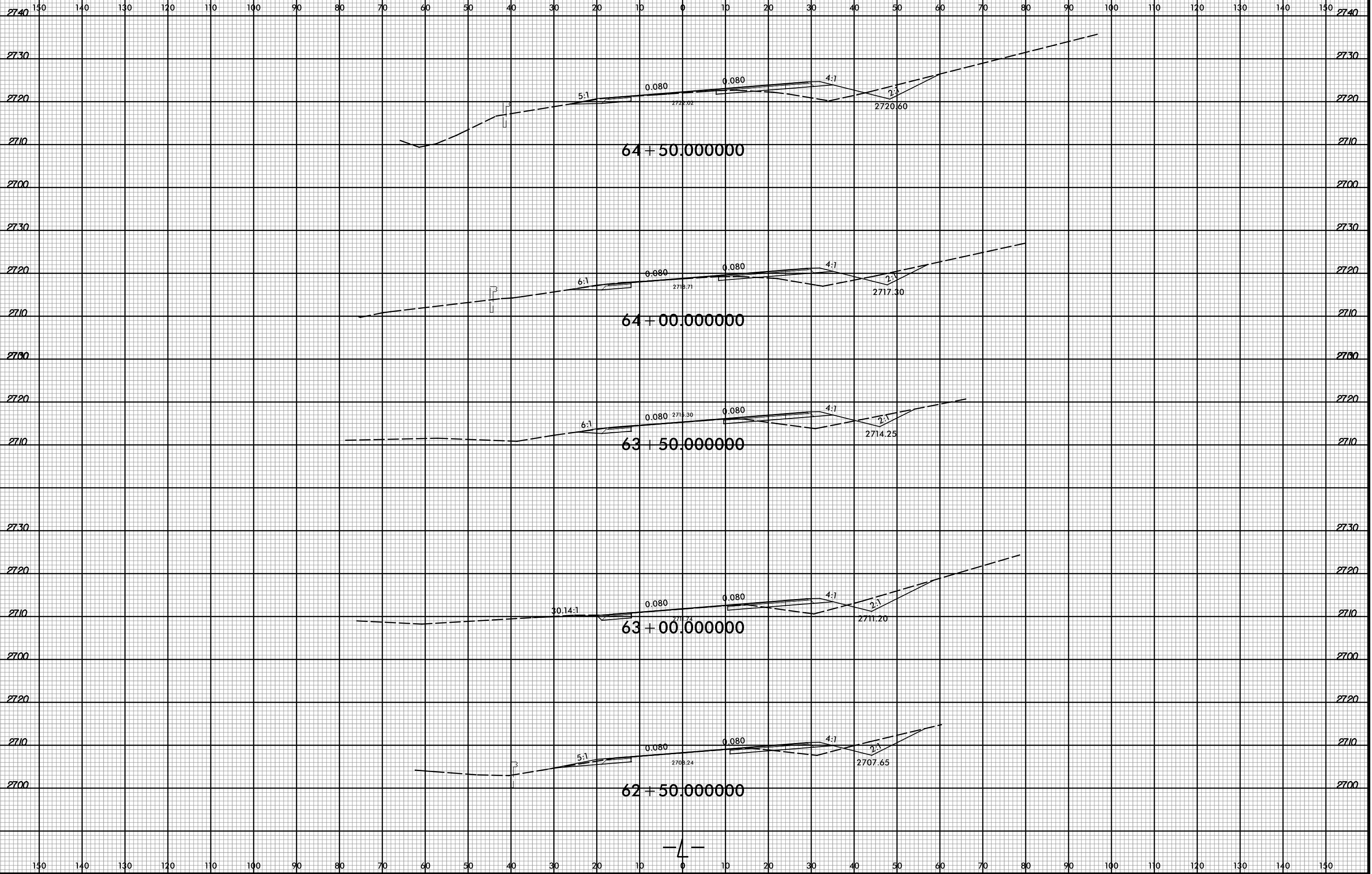


8/23/99

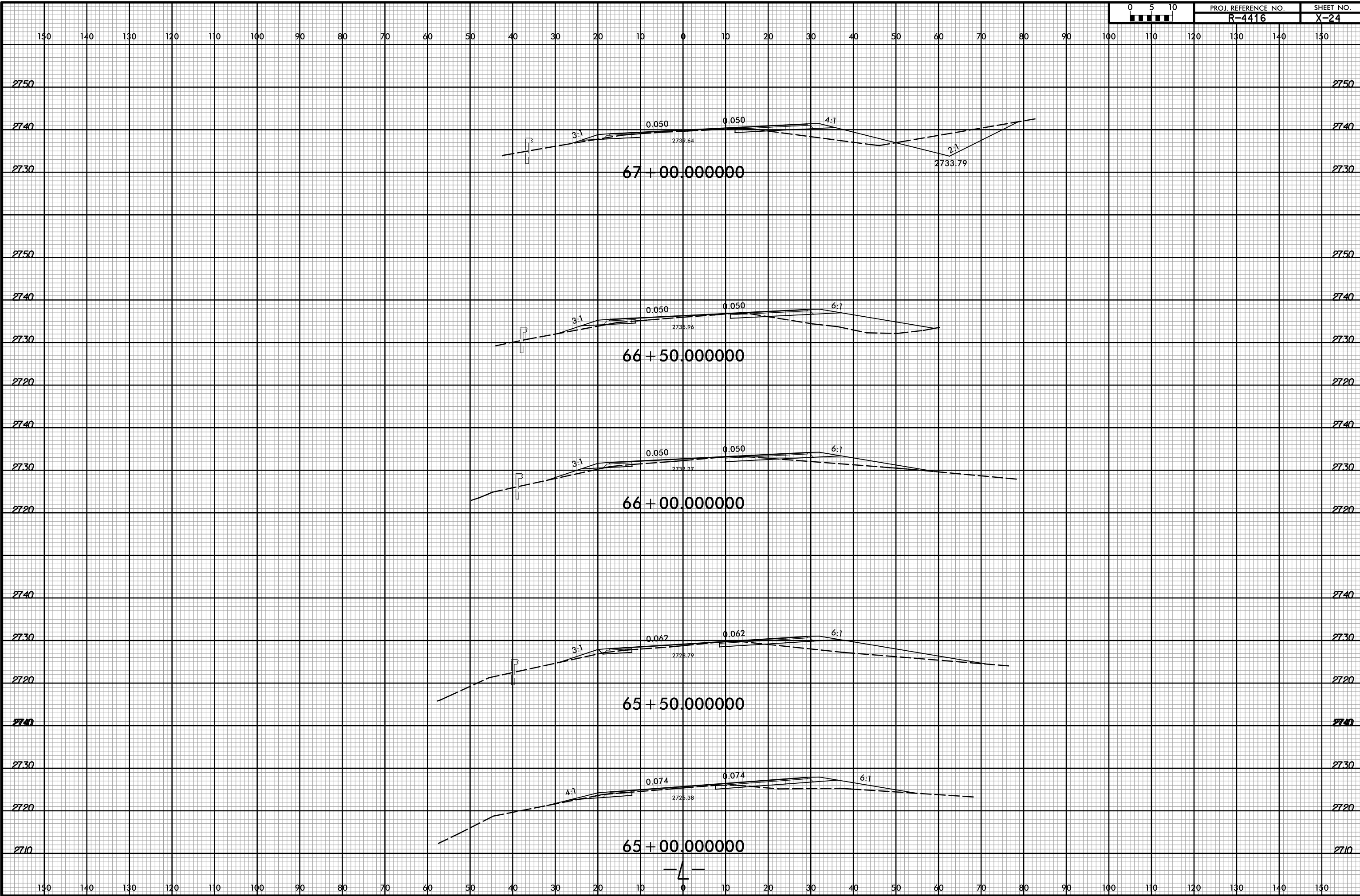


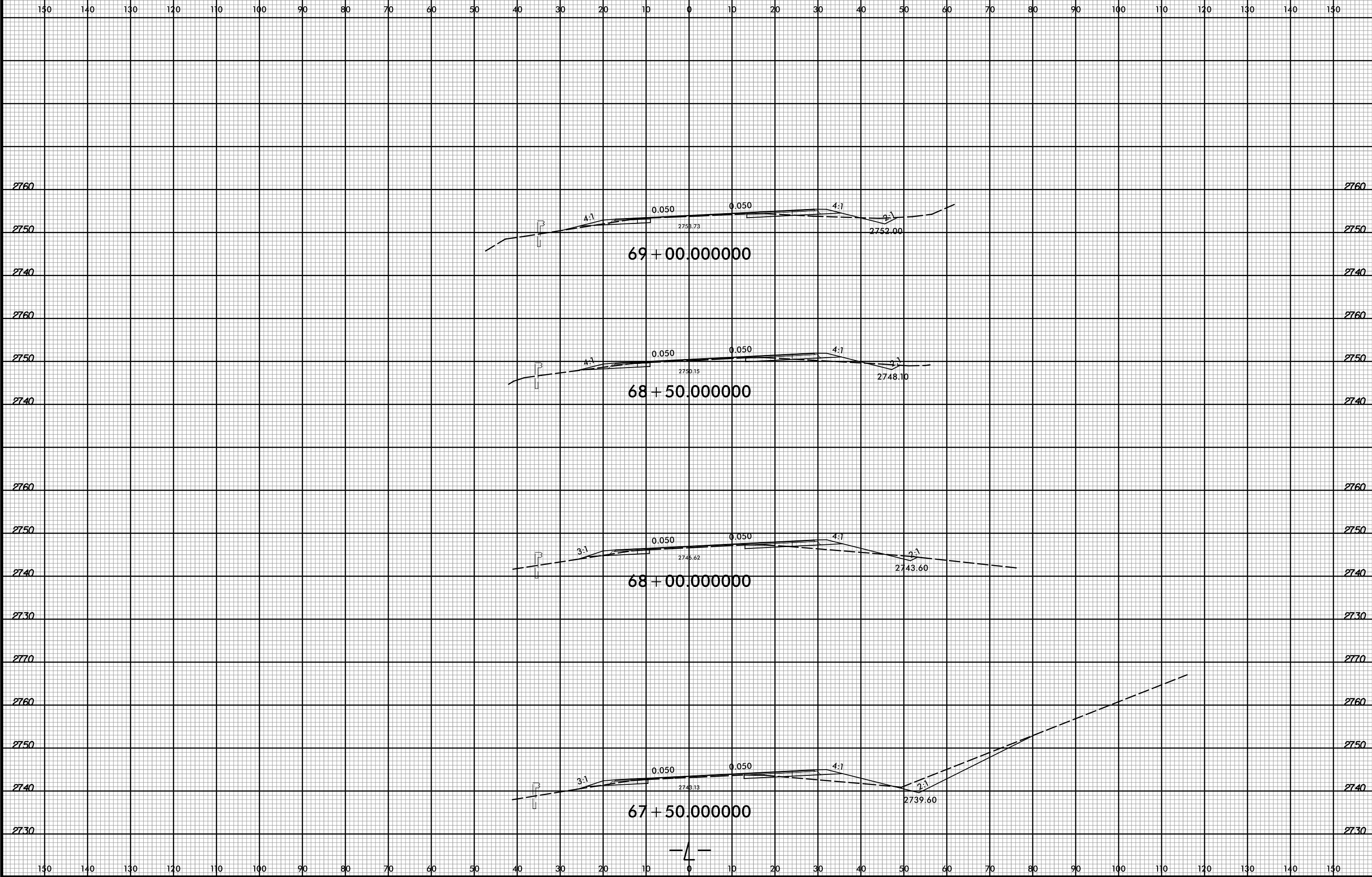
PROJ. REFERENCE NO. R-4416

SHEET NO. X-23



2/17/2016 3:09:18 PM
R:\Roadway\Cross-Modeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner



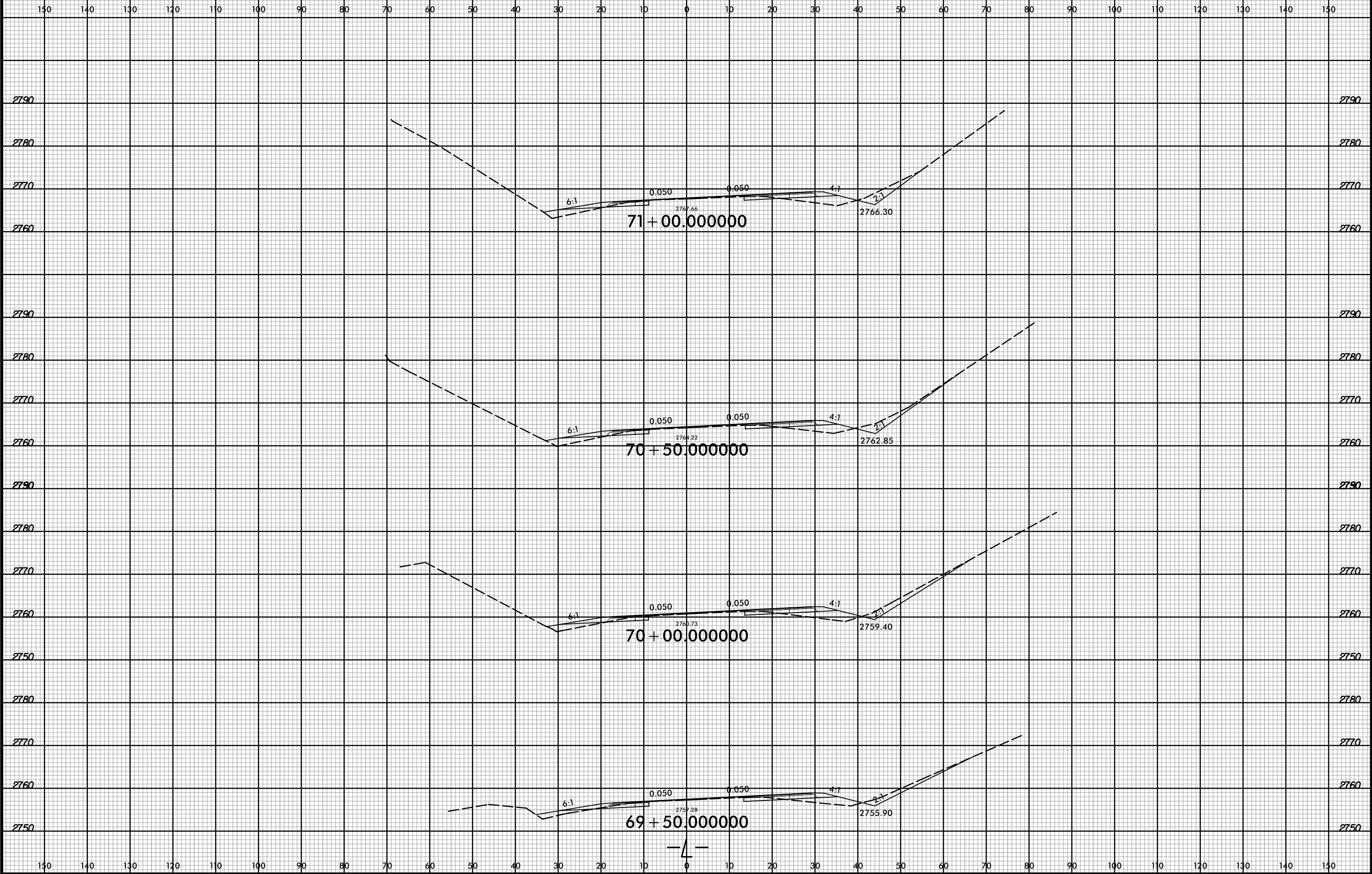


8/23/99

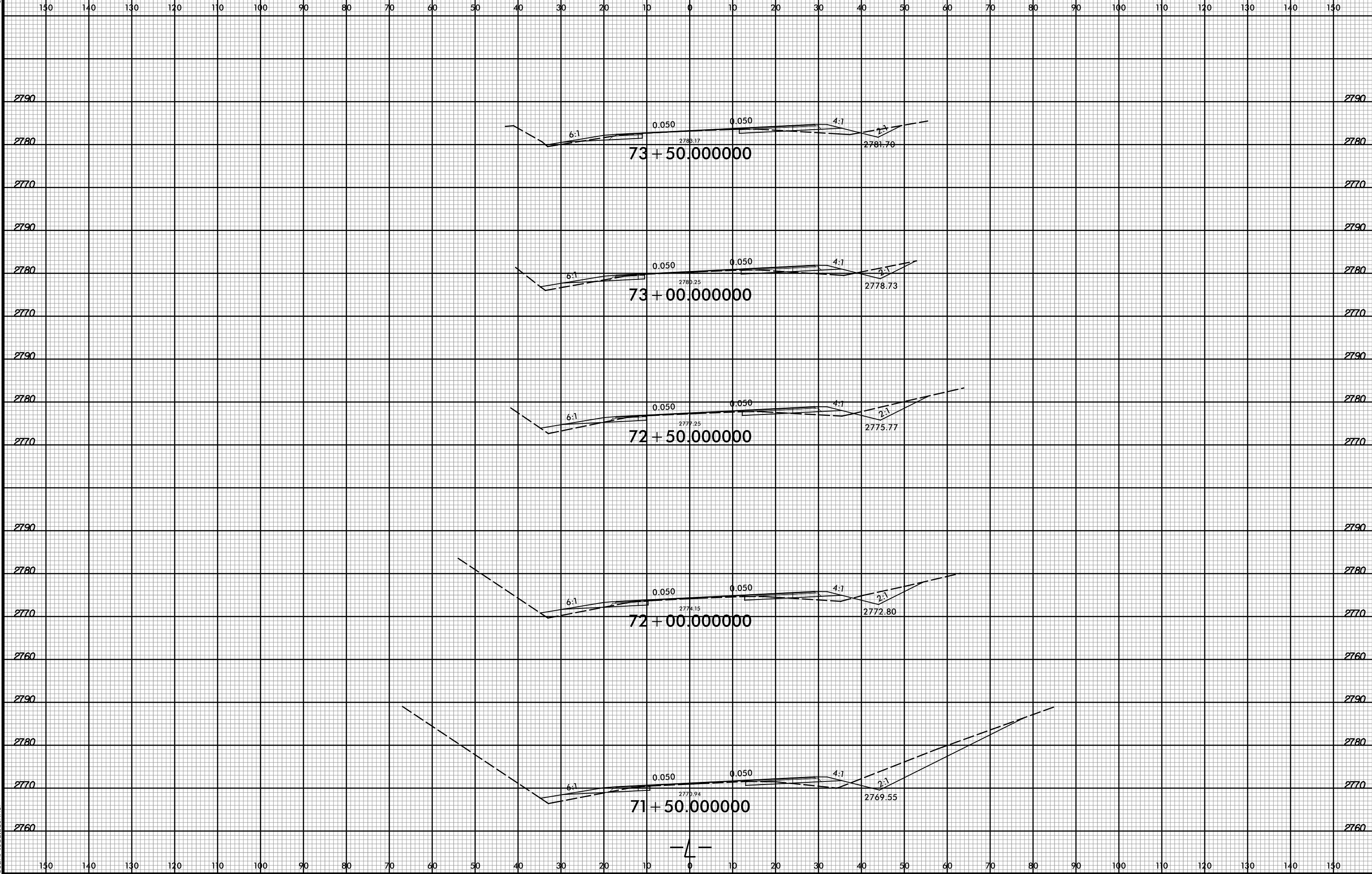


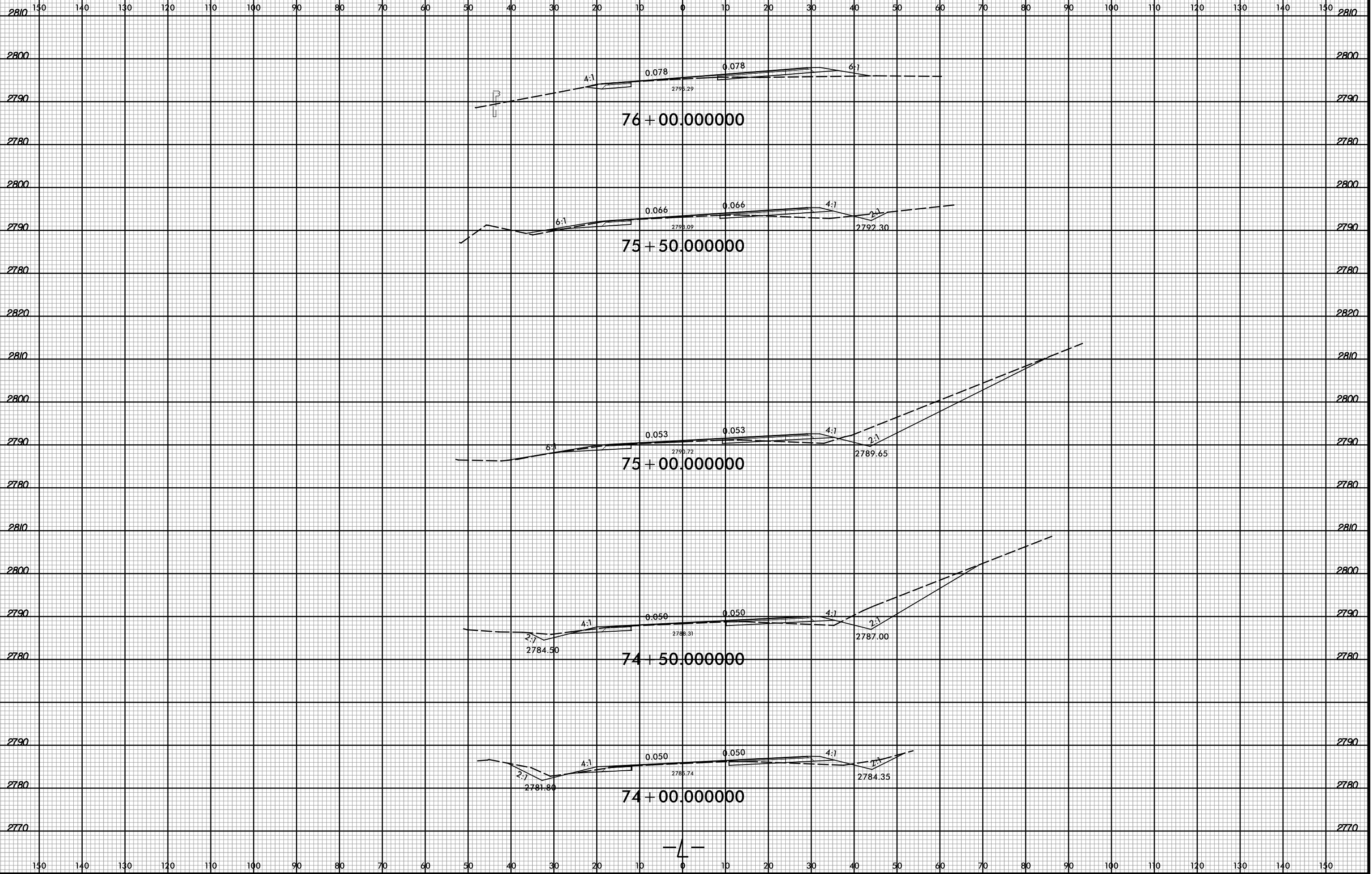
PROJ. REFERENCE NO.
R-4416

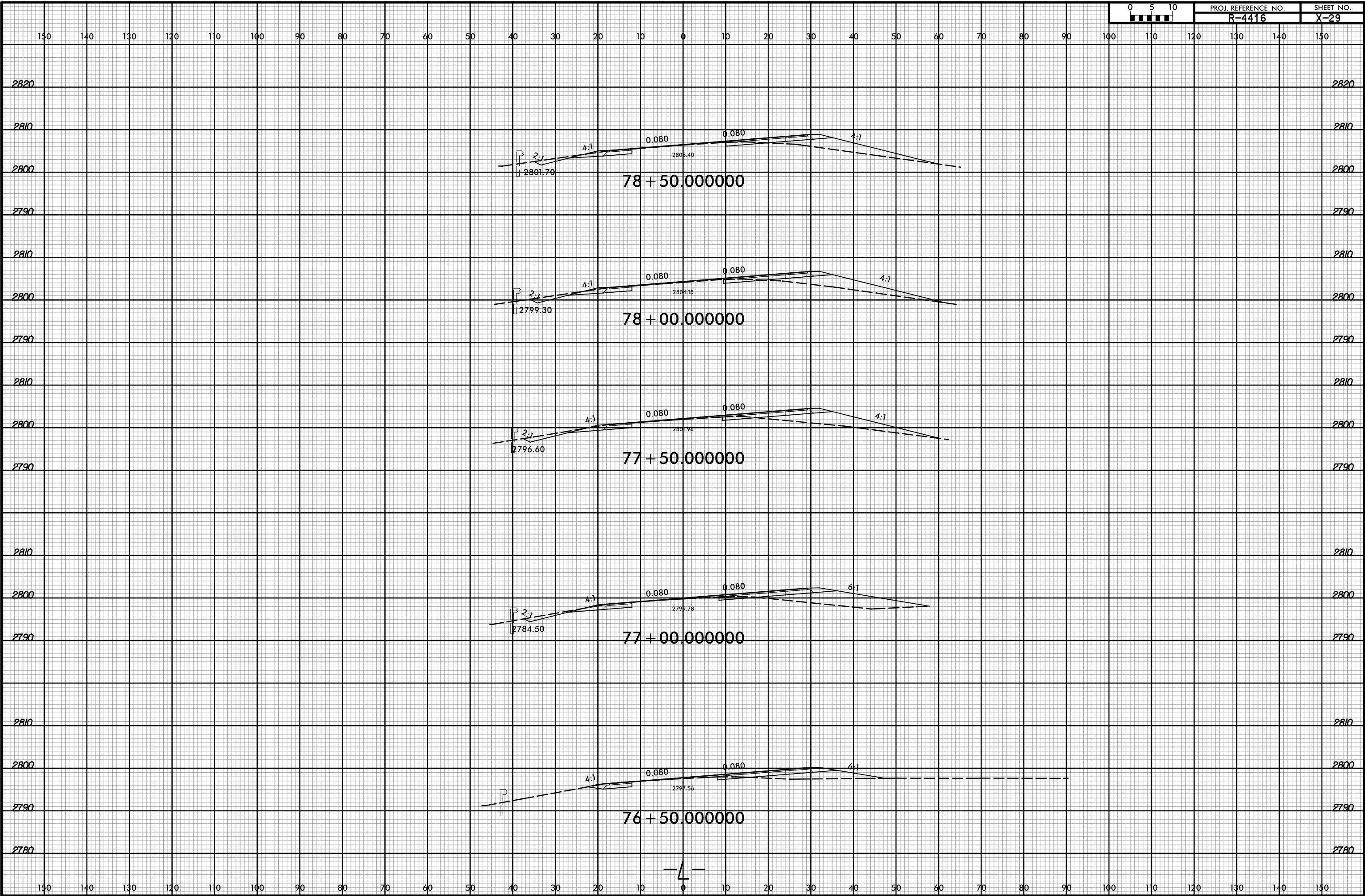
SHEET NO.
X-26

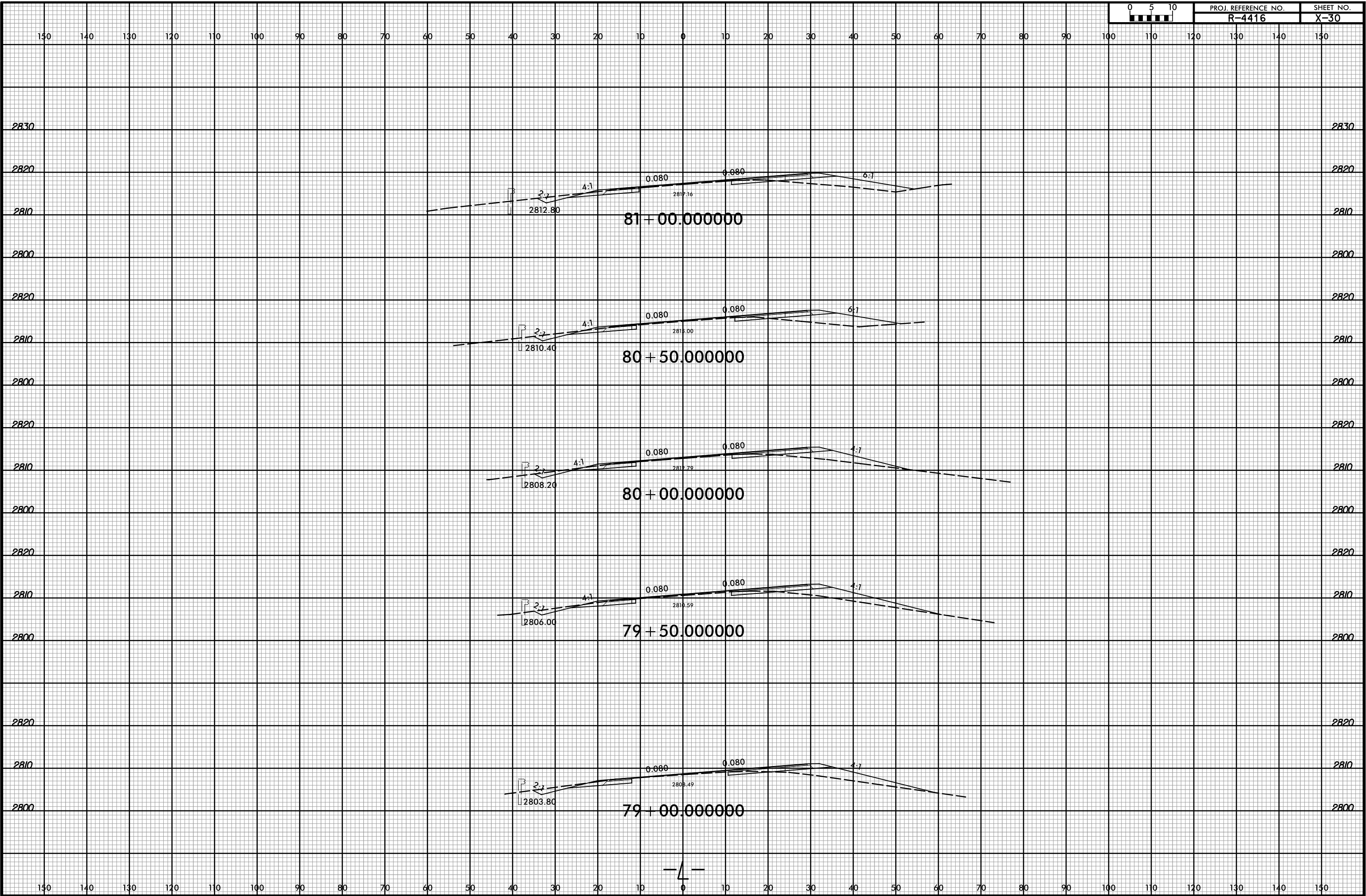


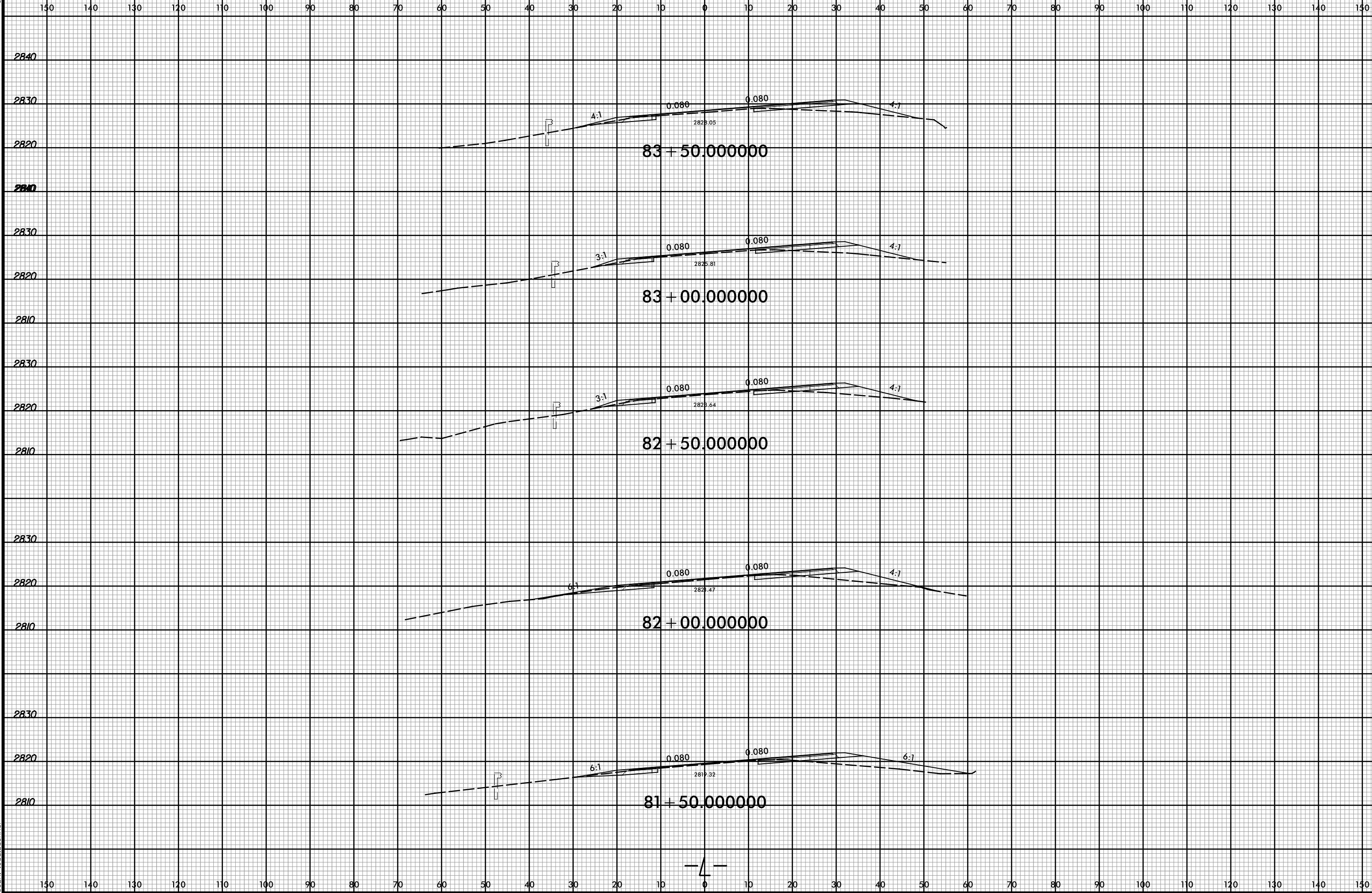
2/17/2016 3:09:20 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

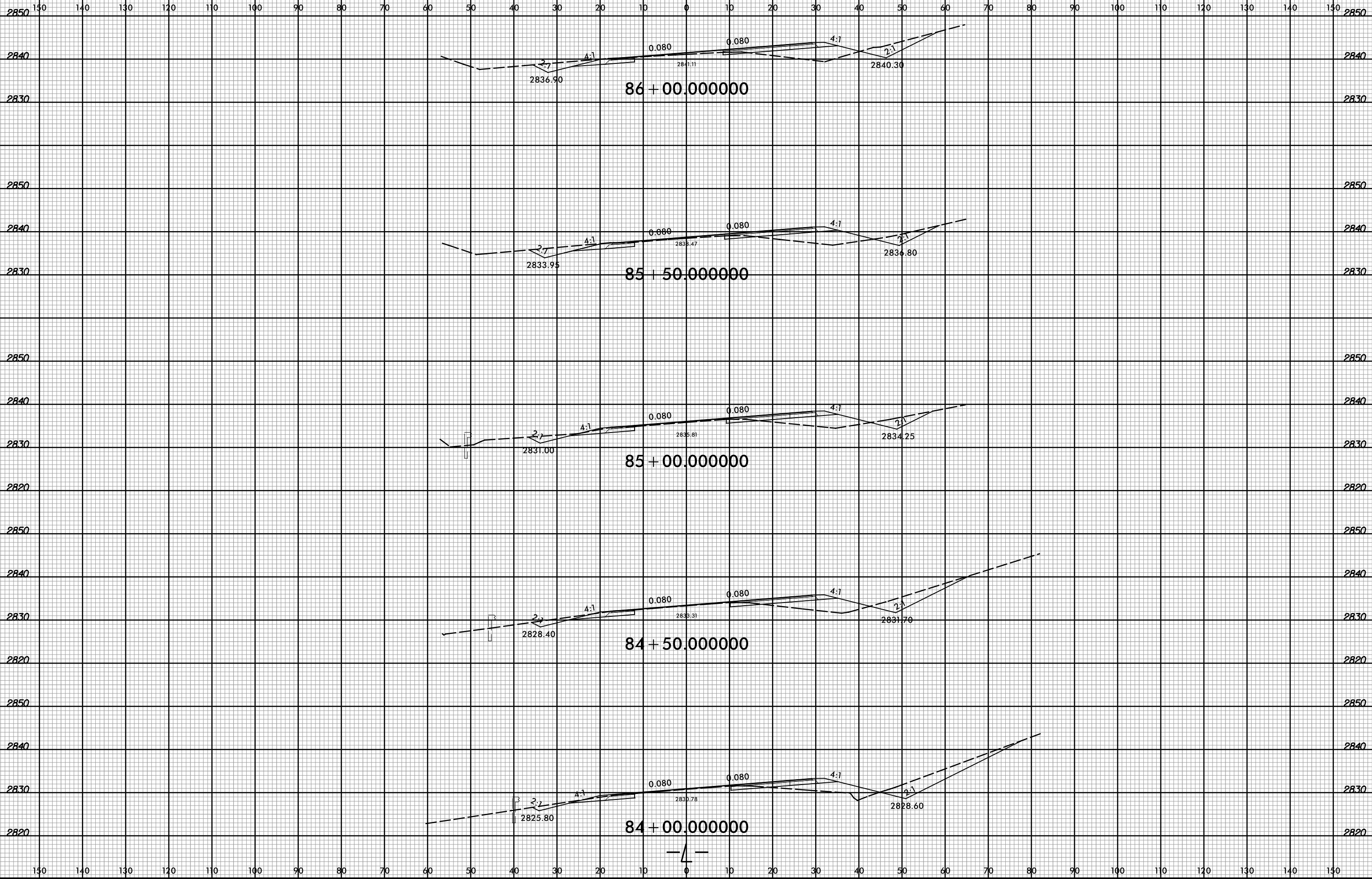


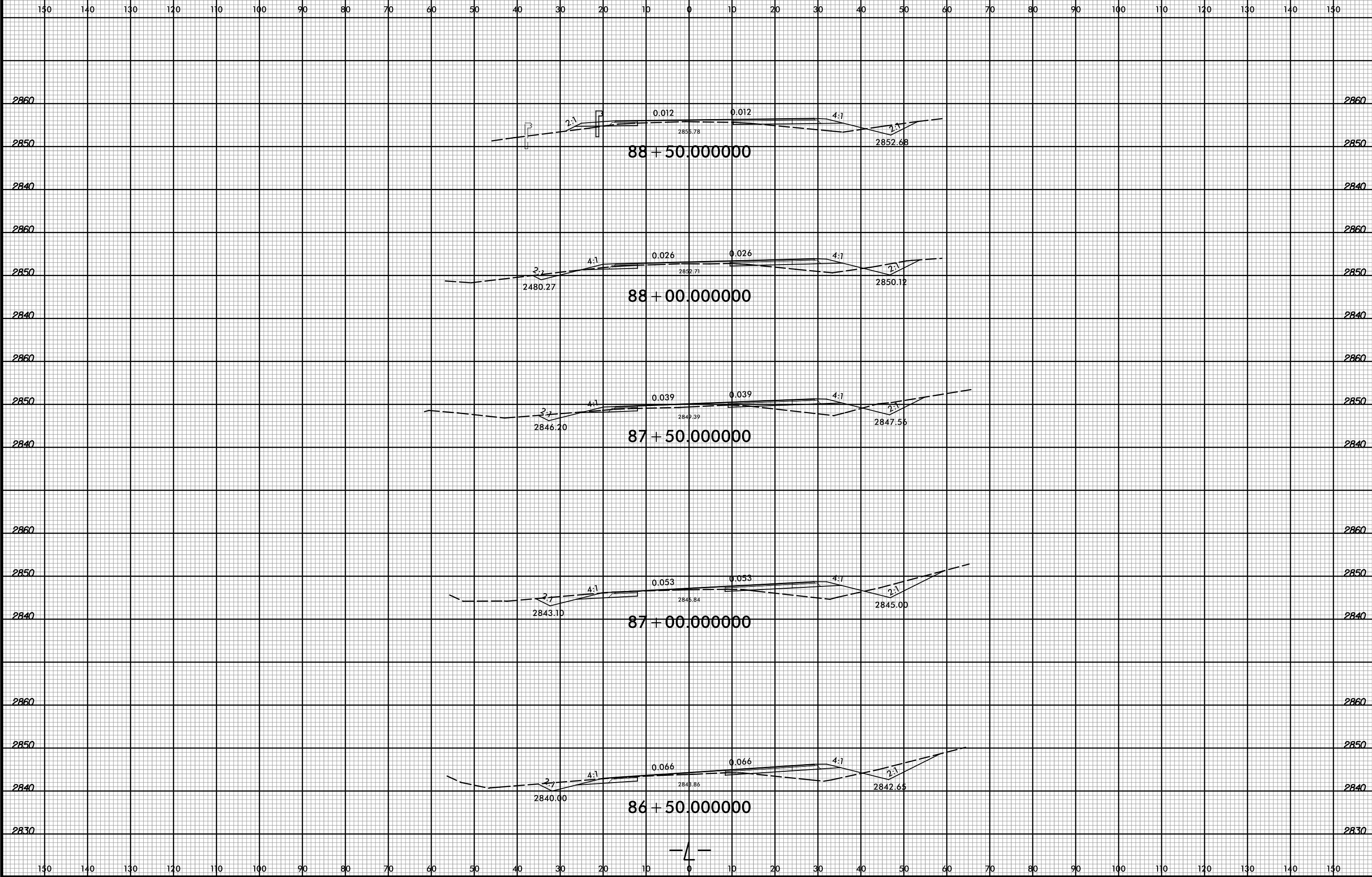


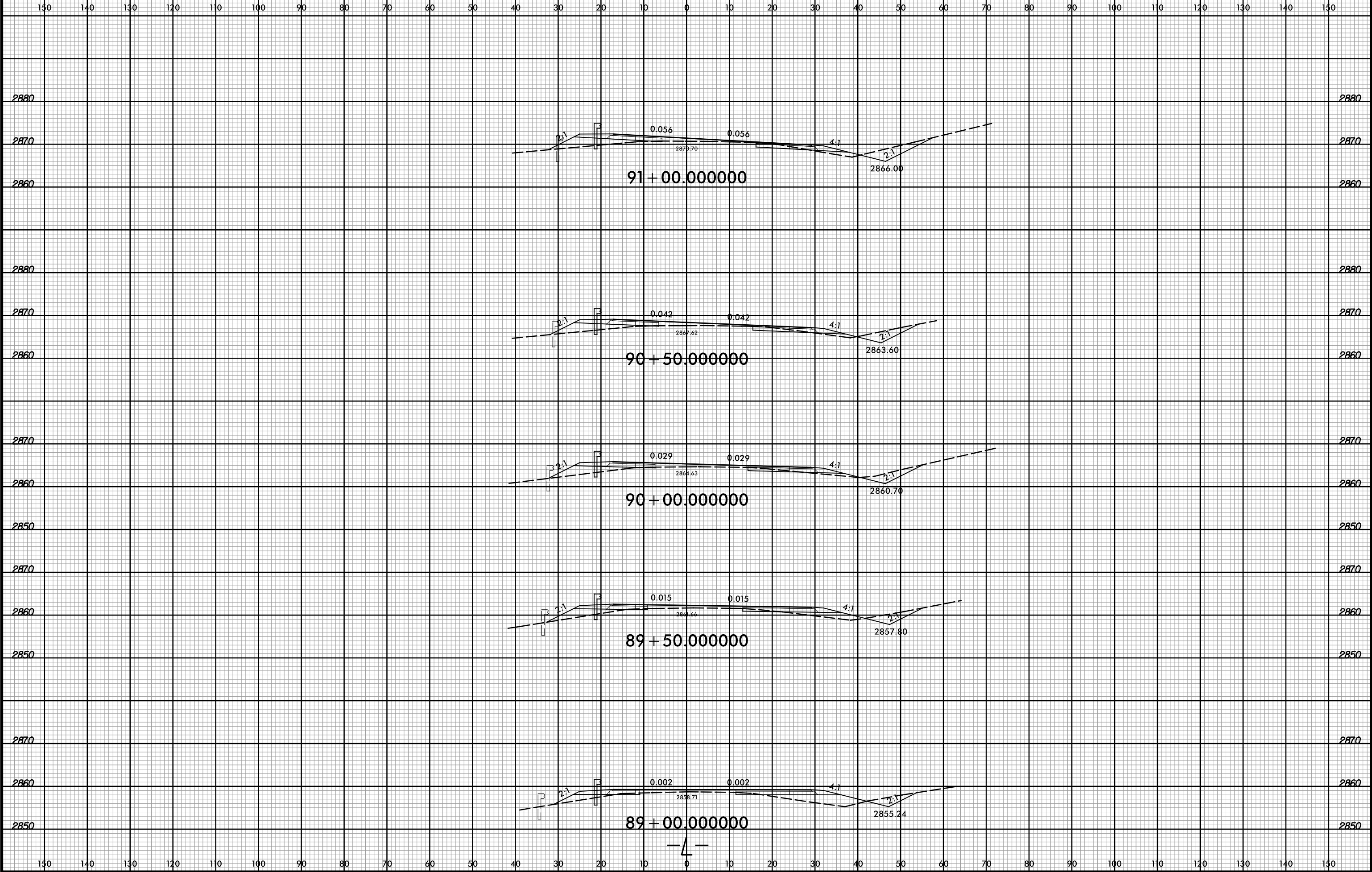


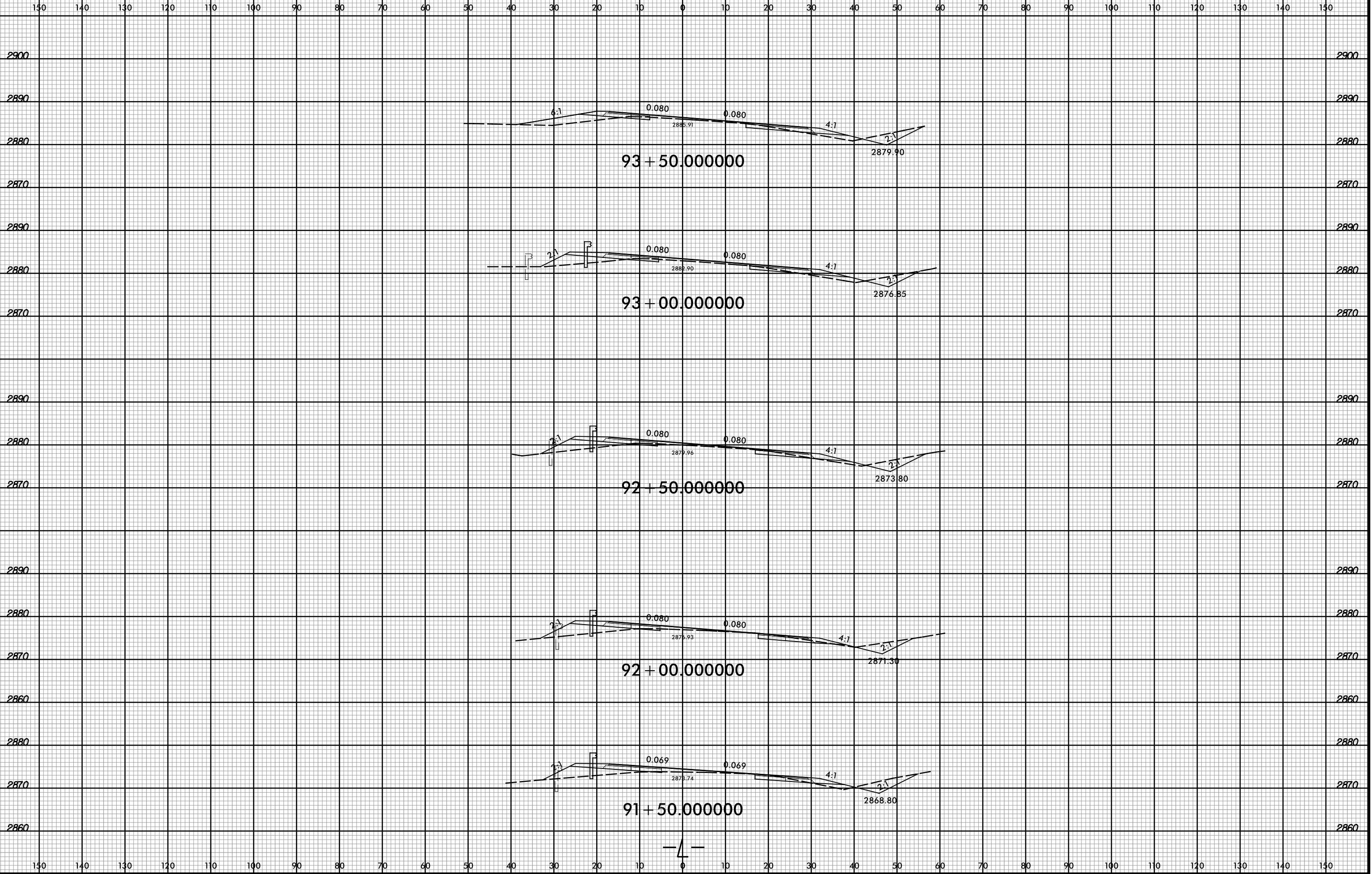


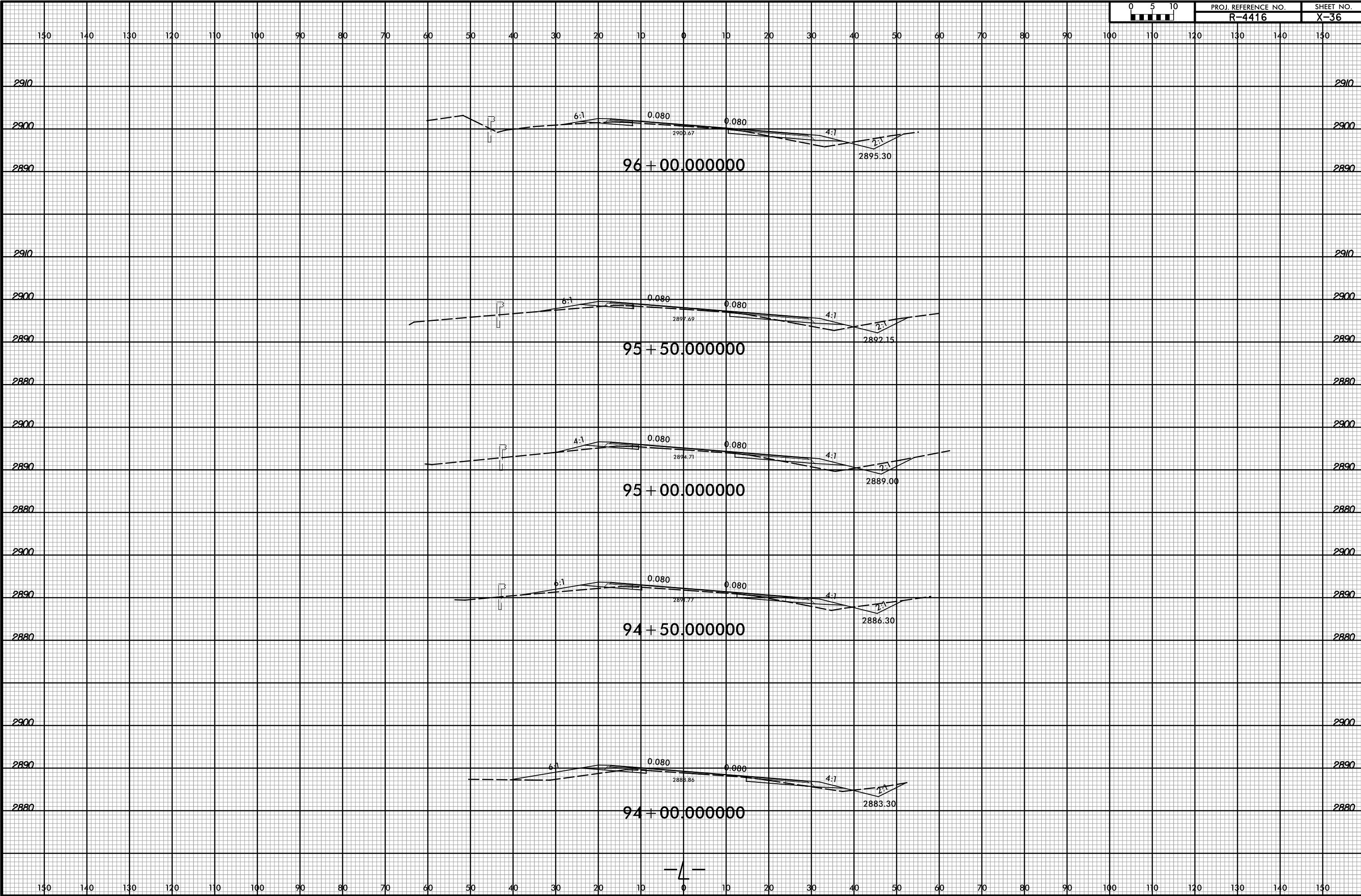
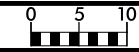


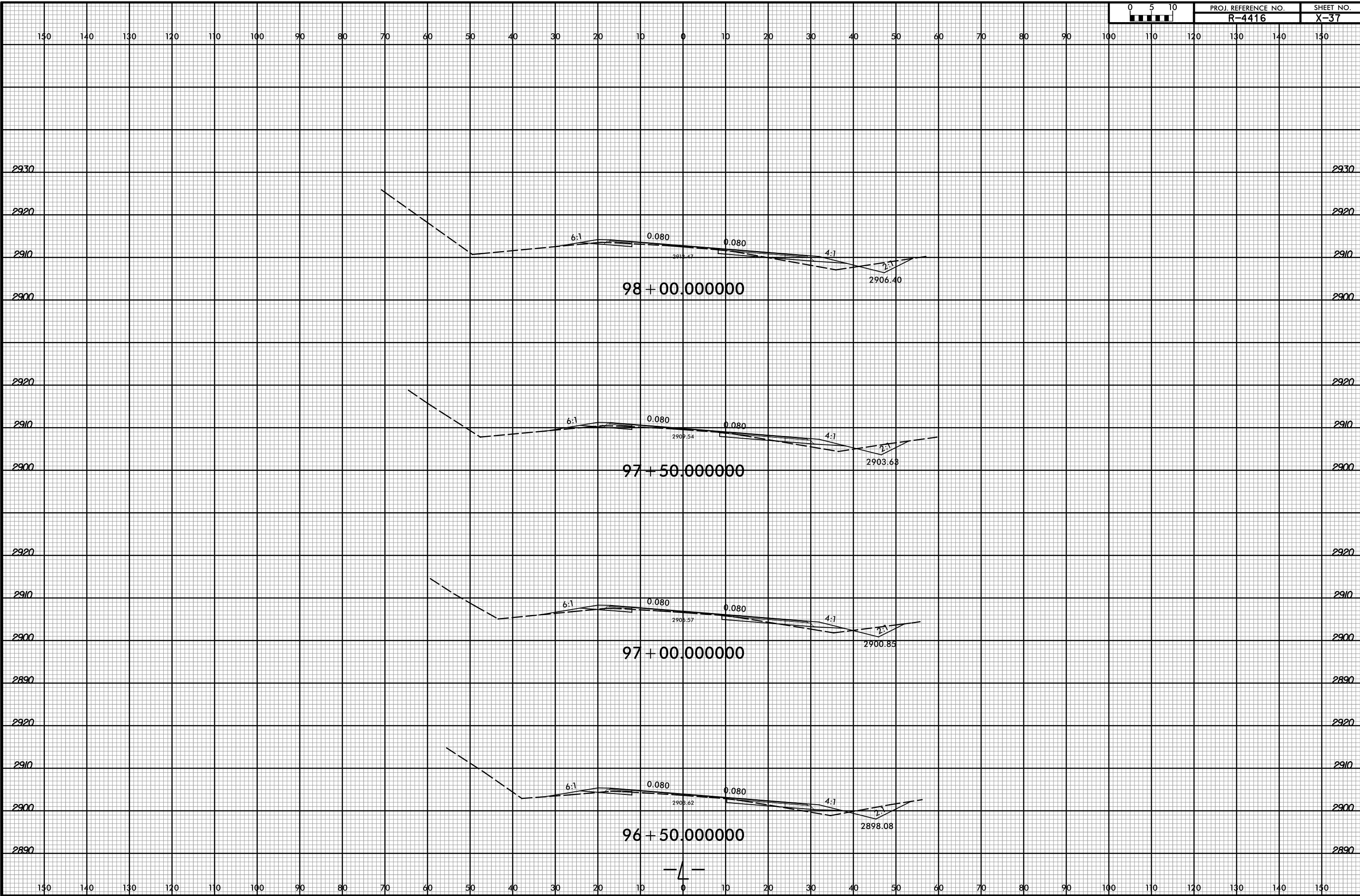


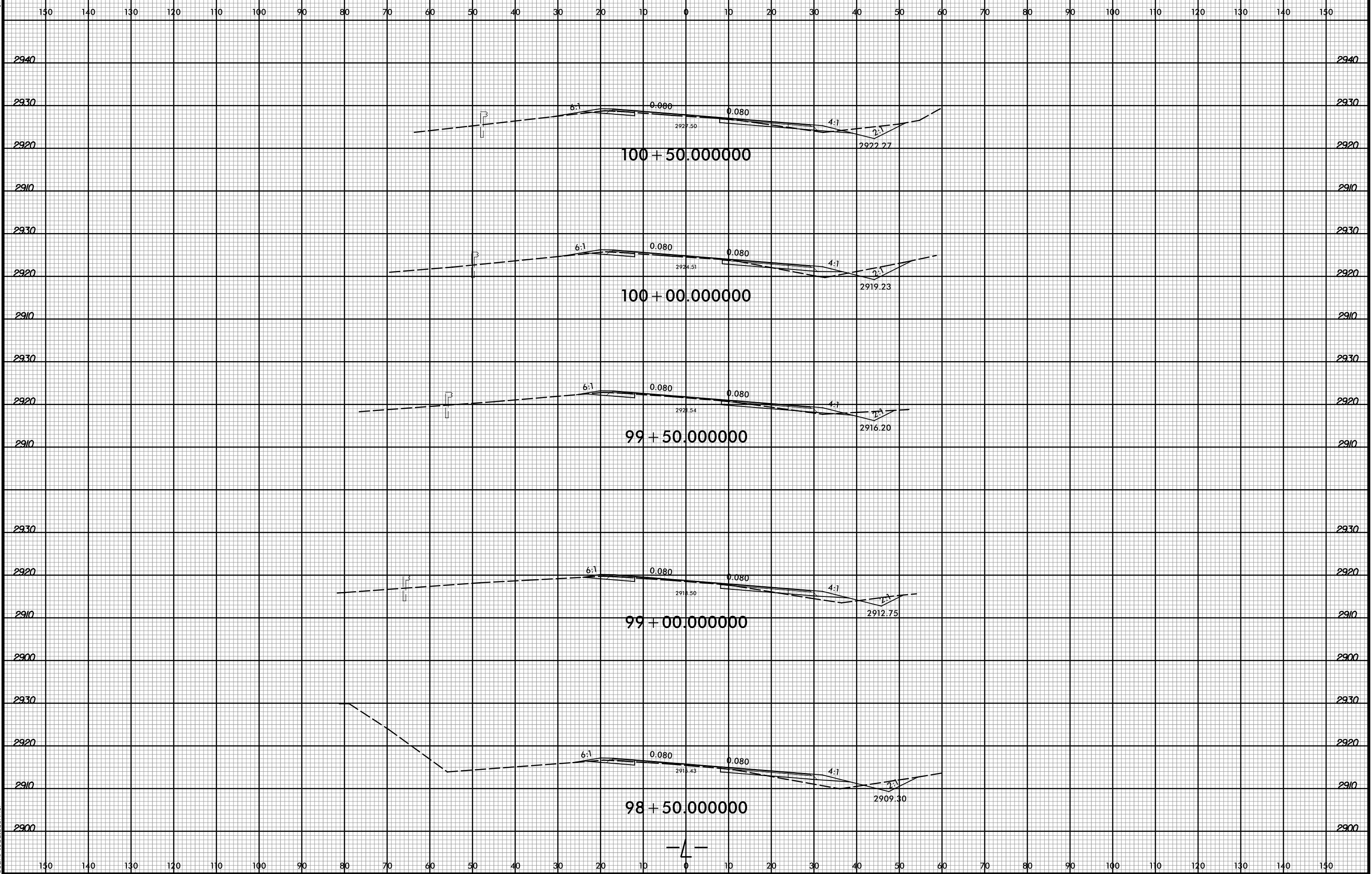


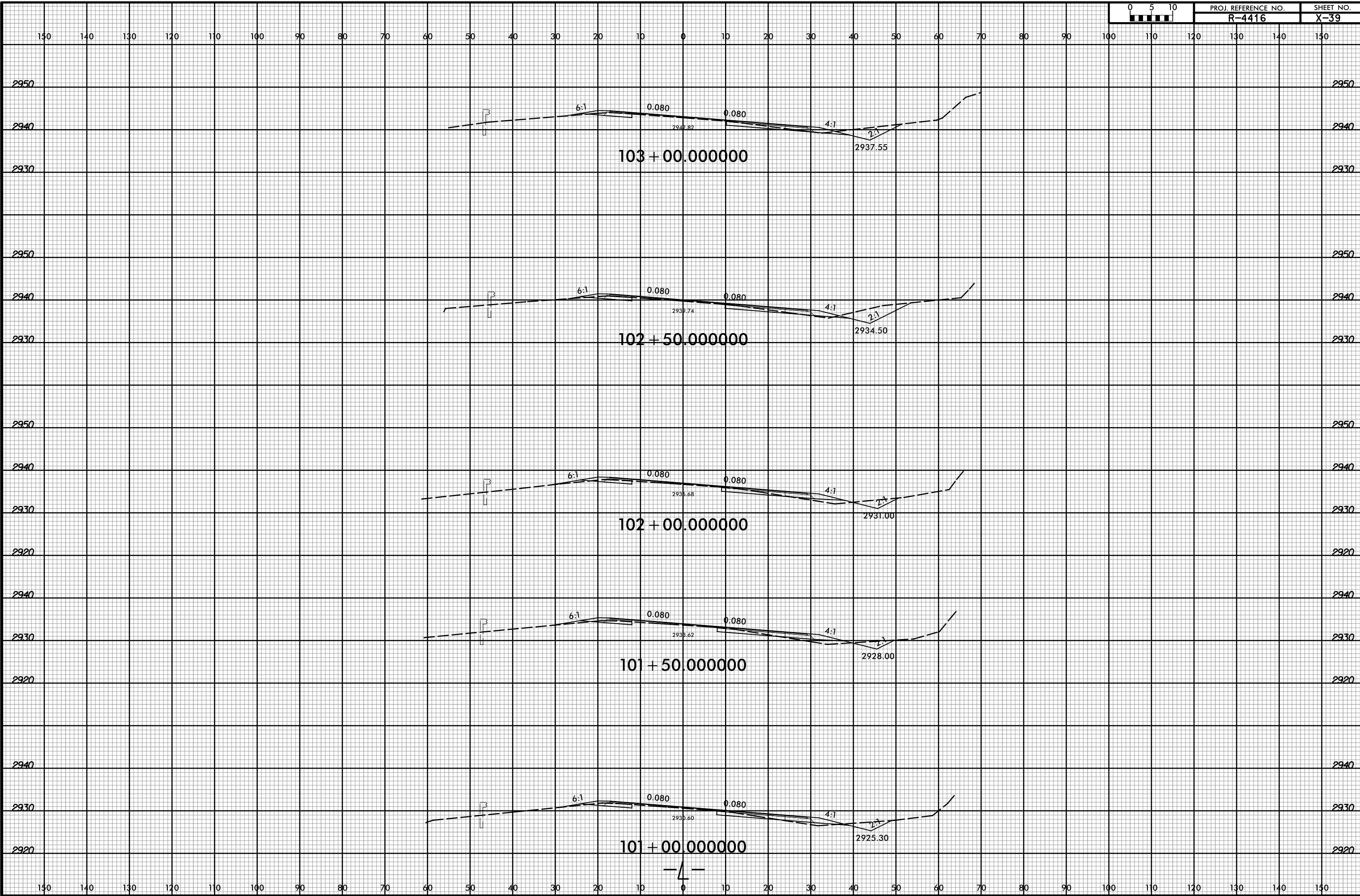


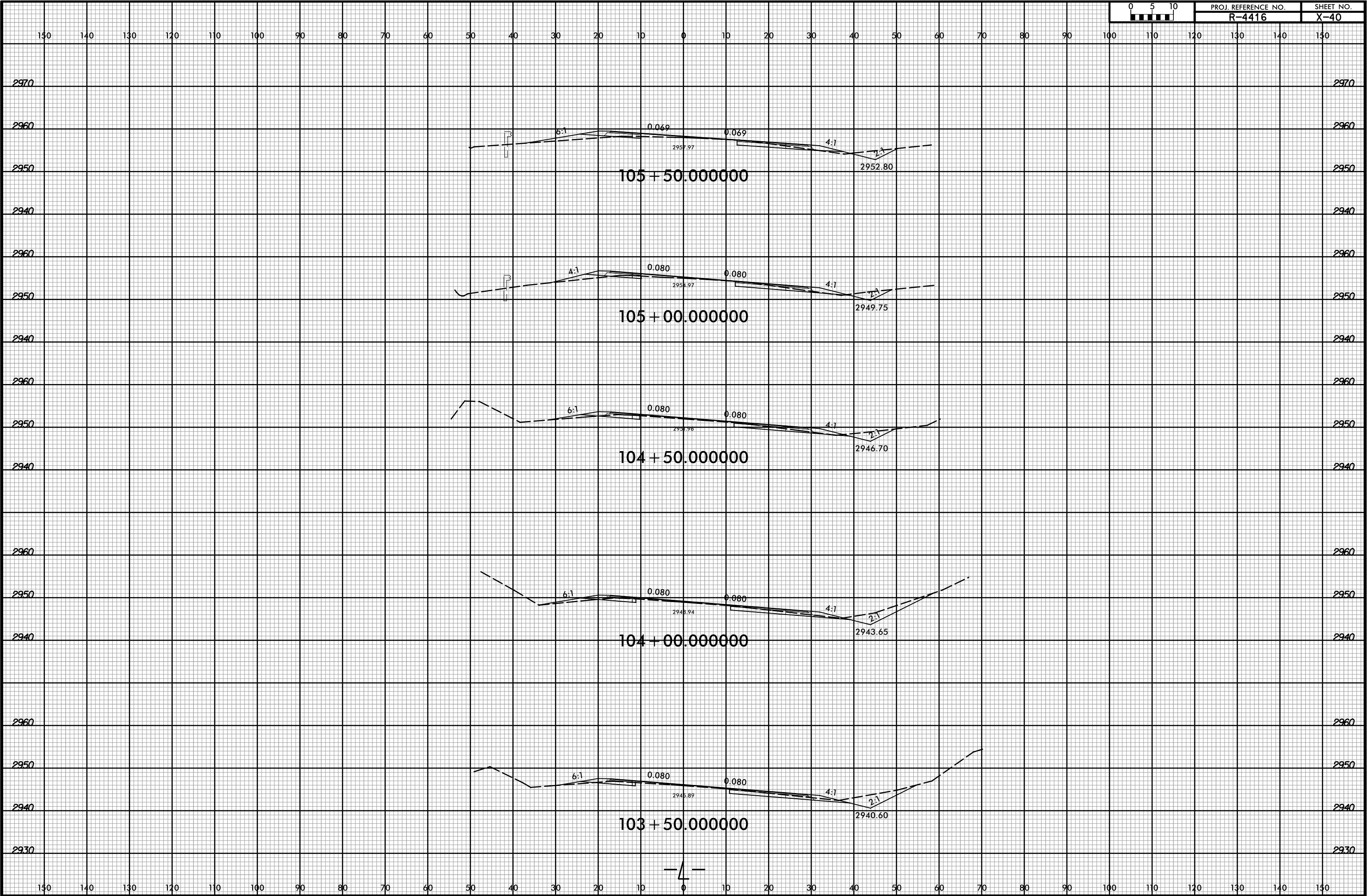


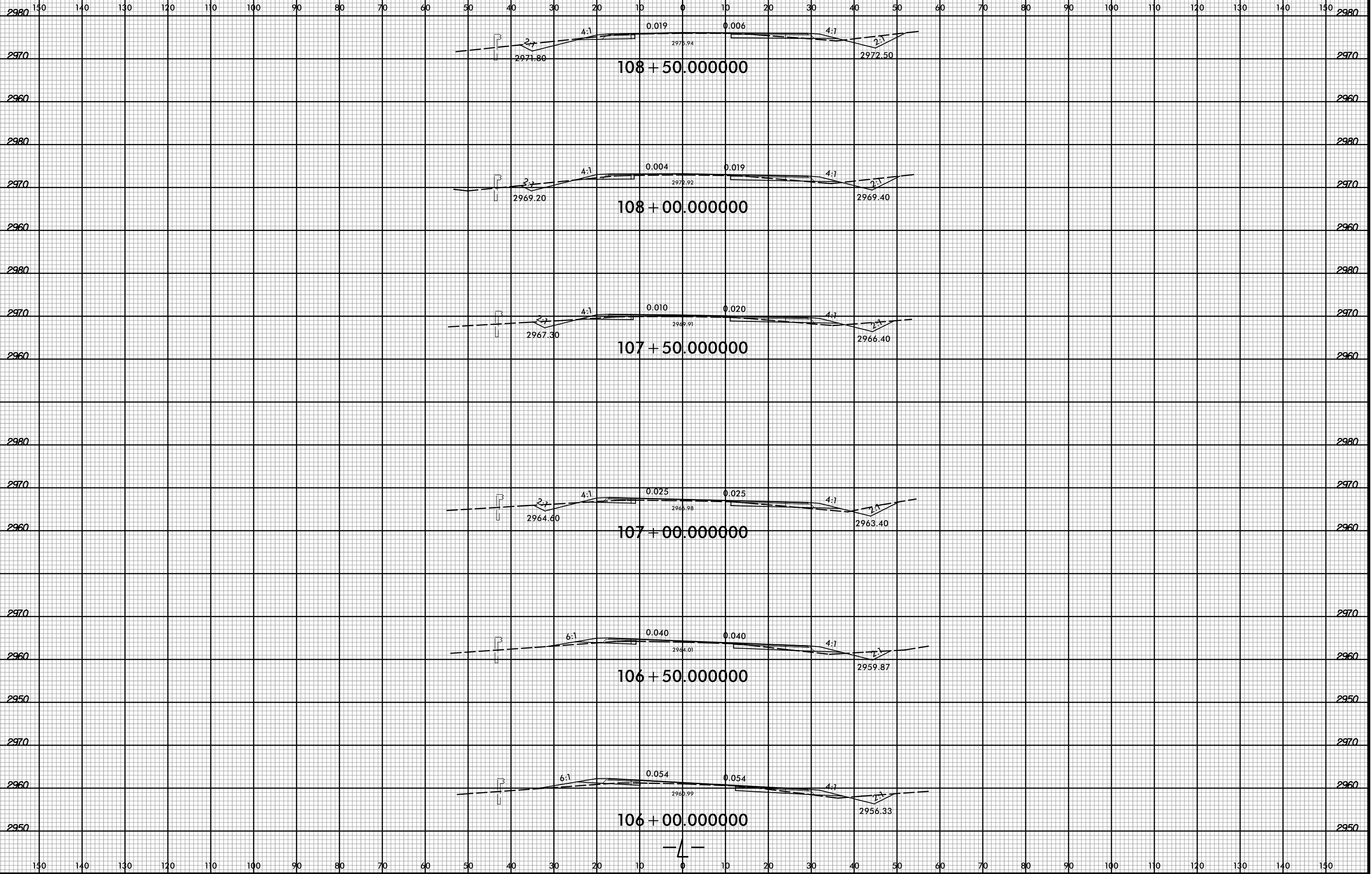


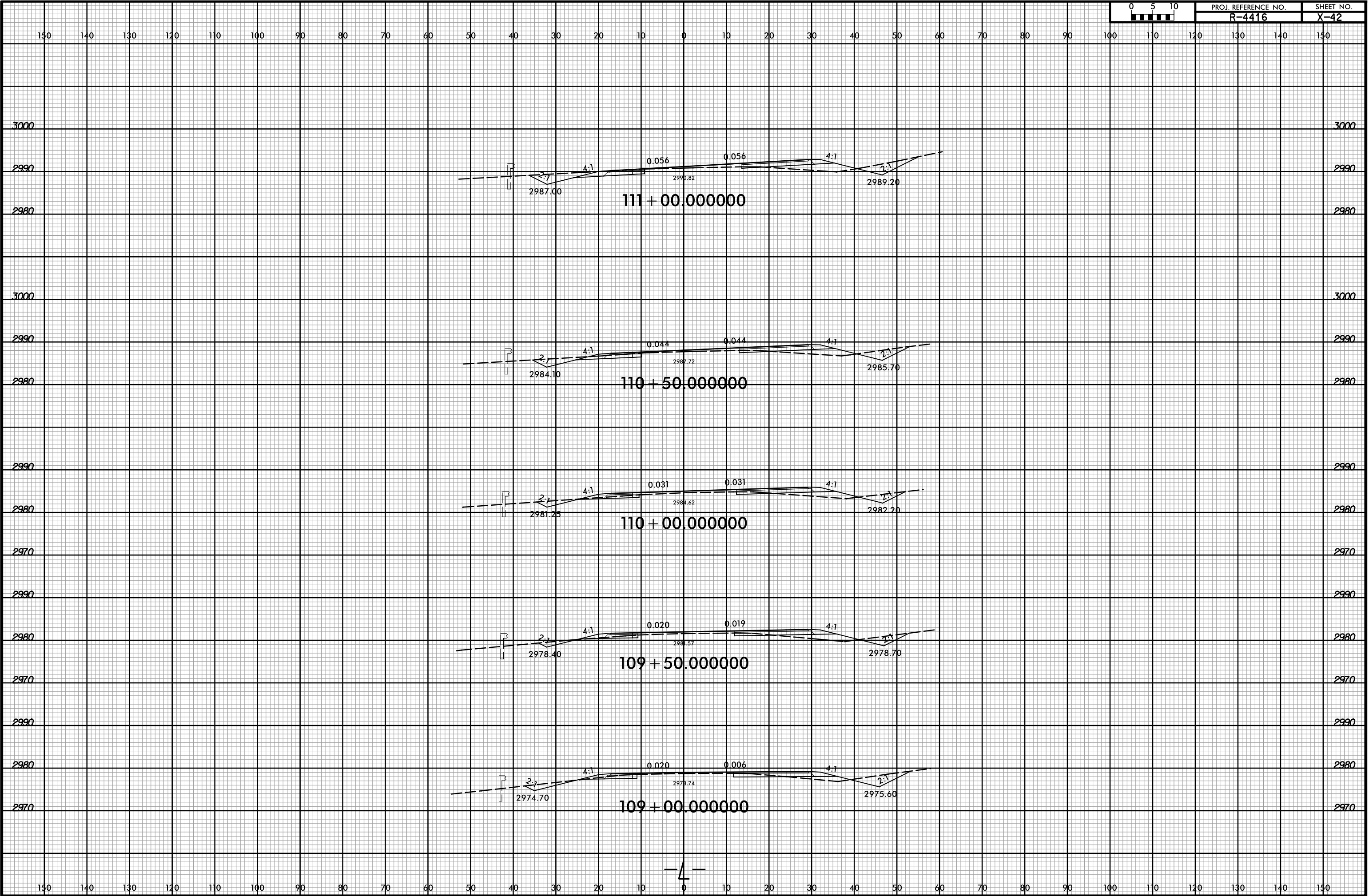


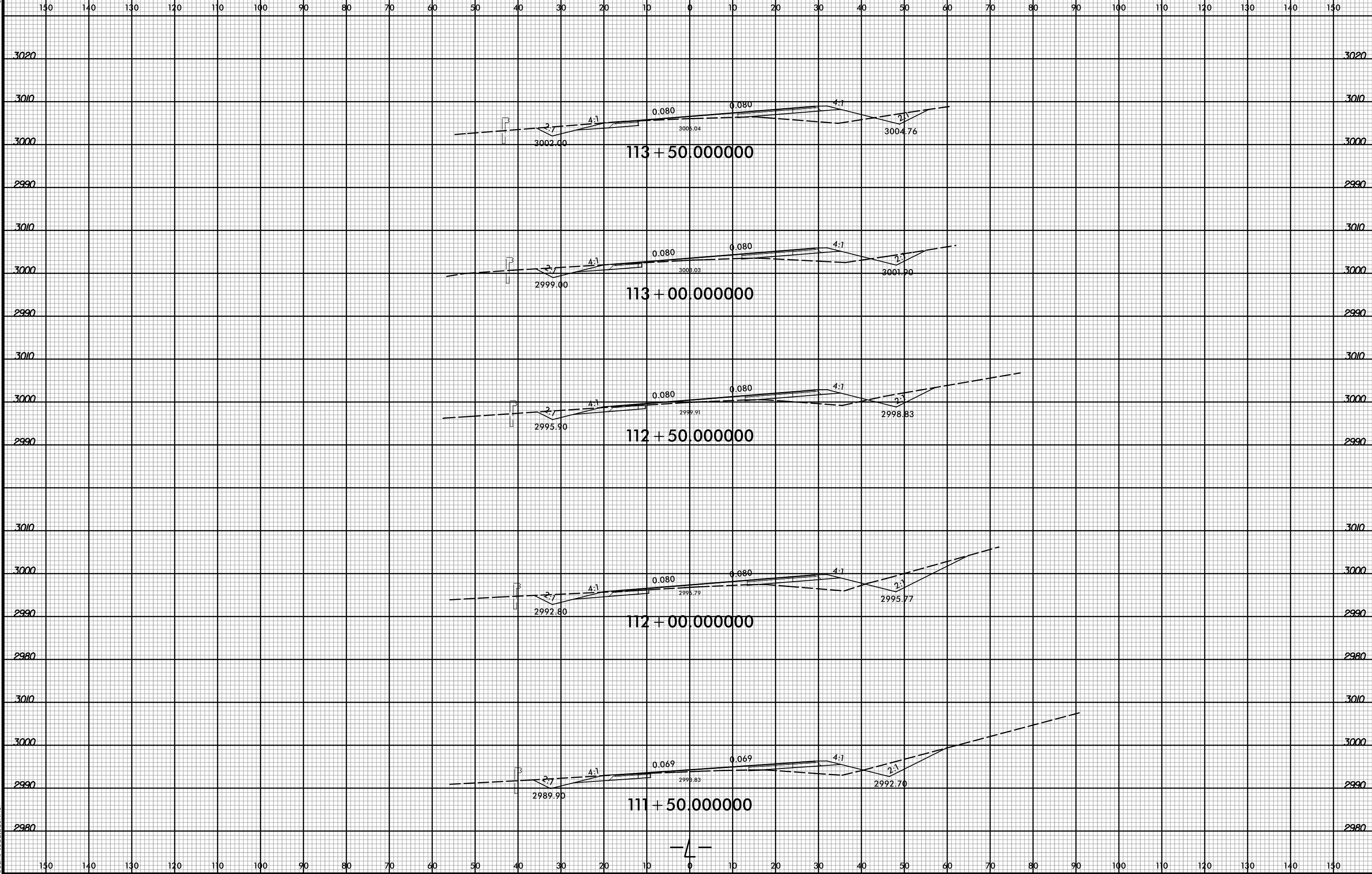


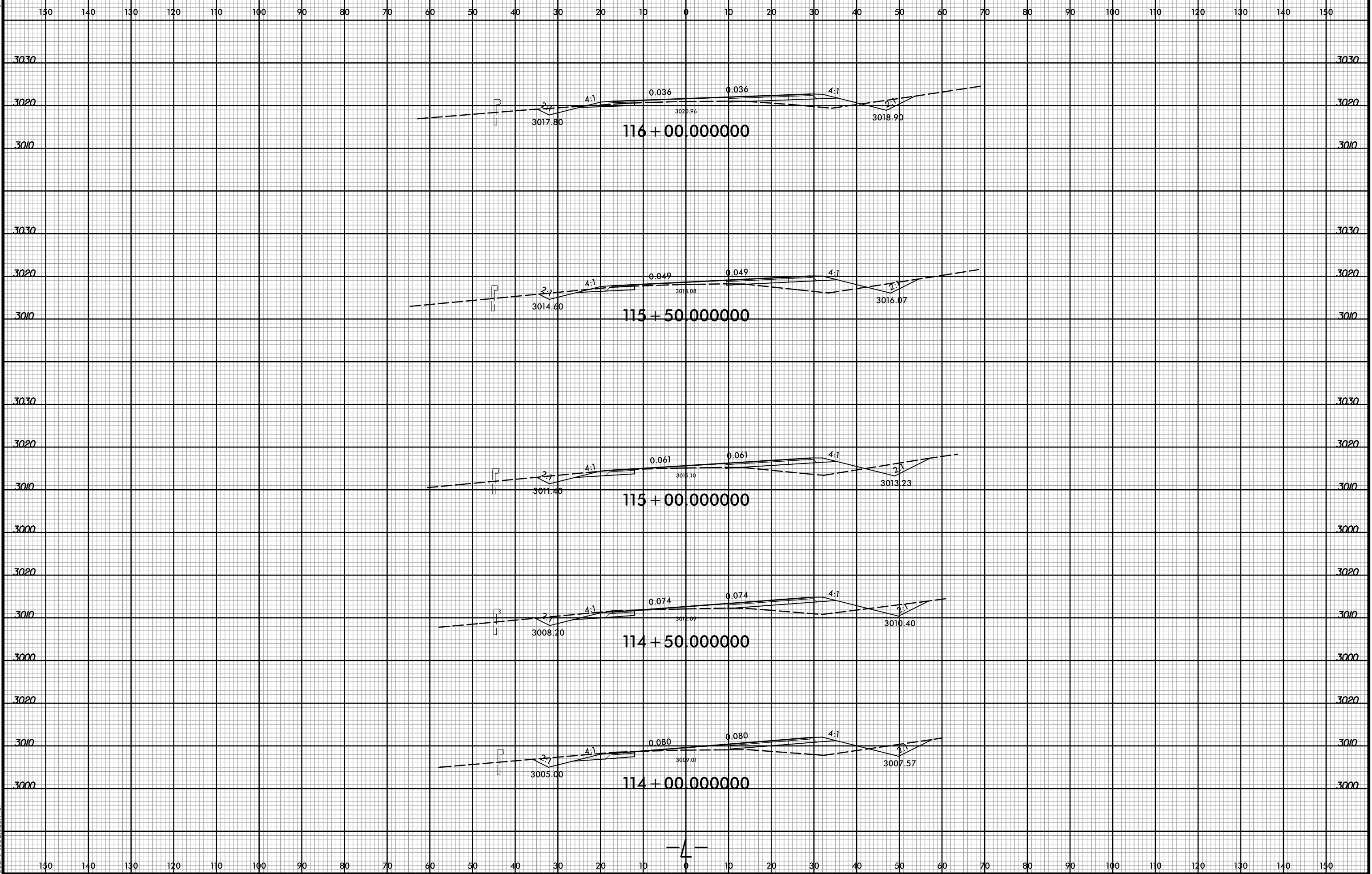


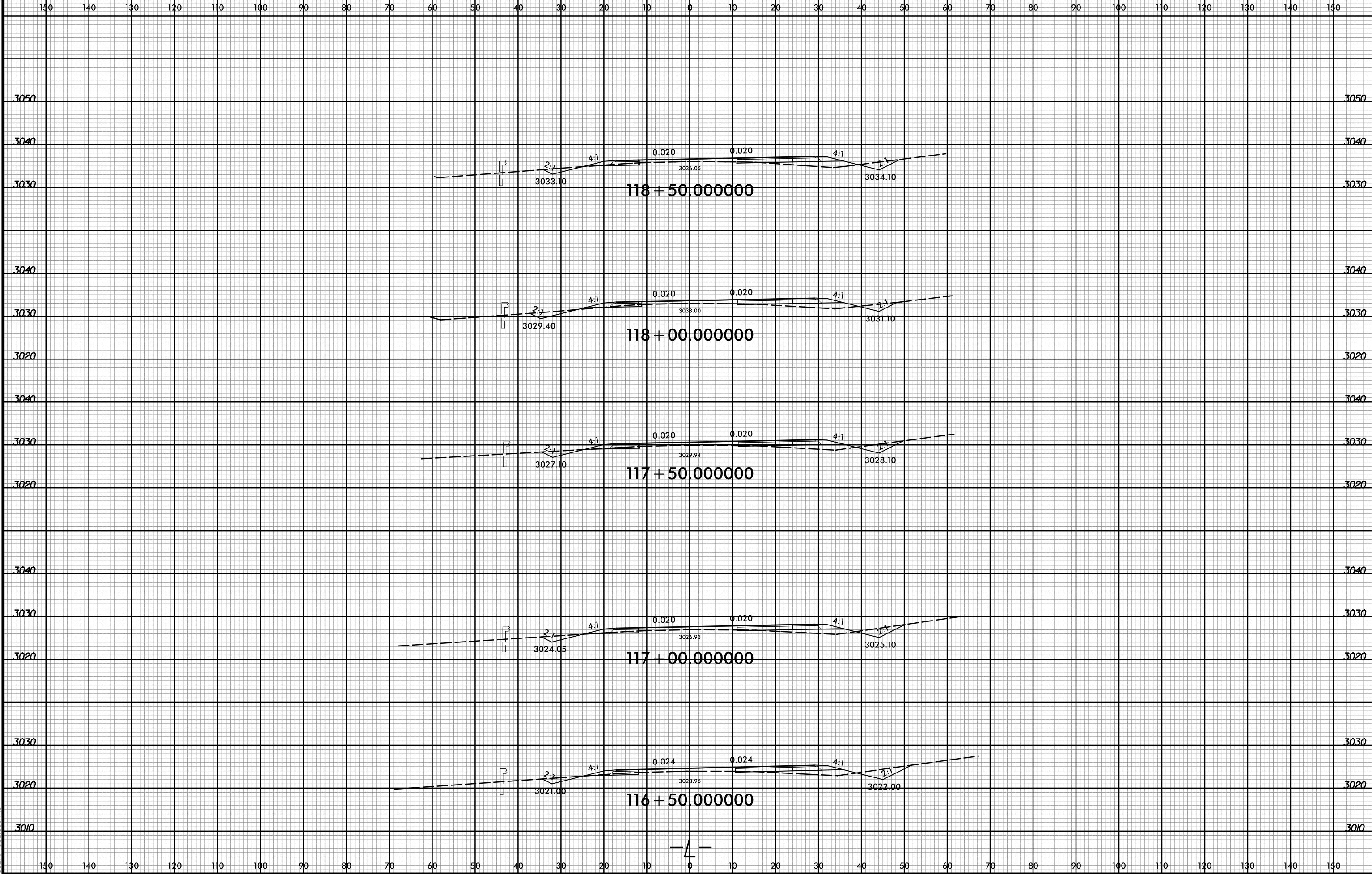


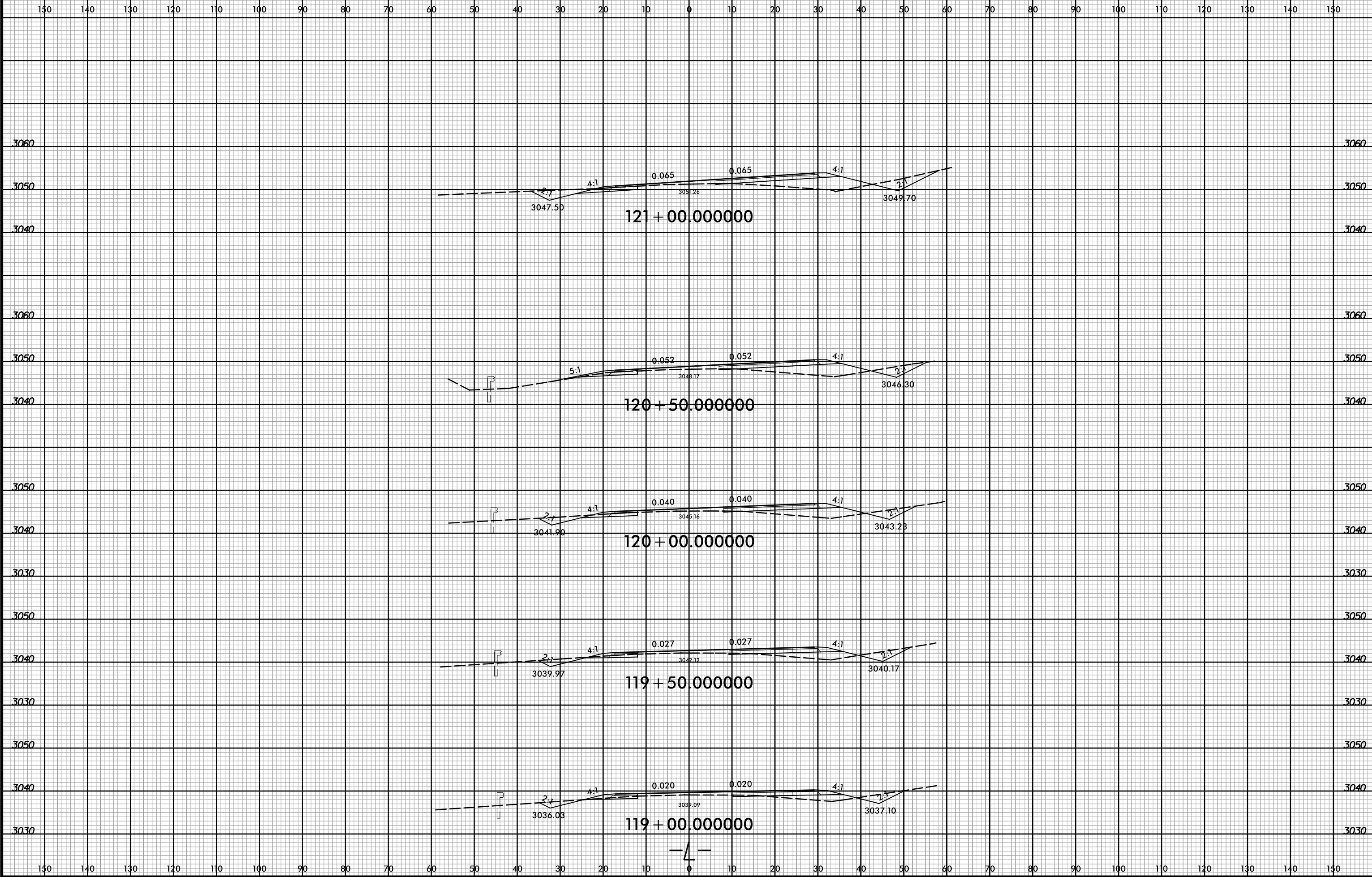


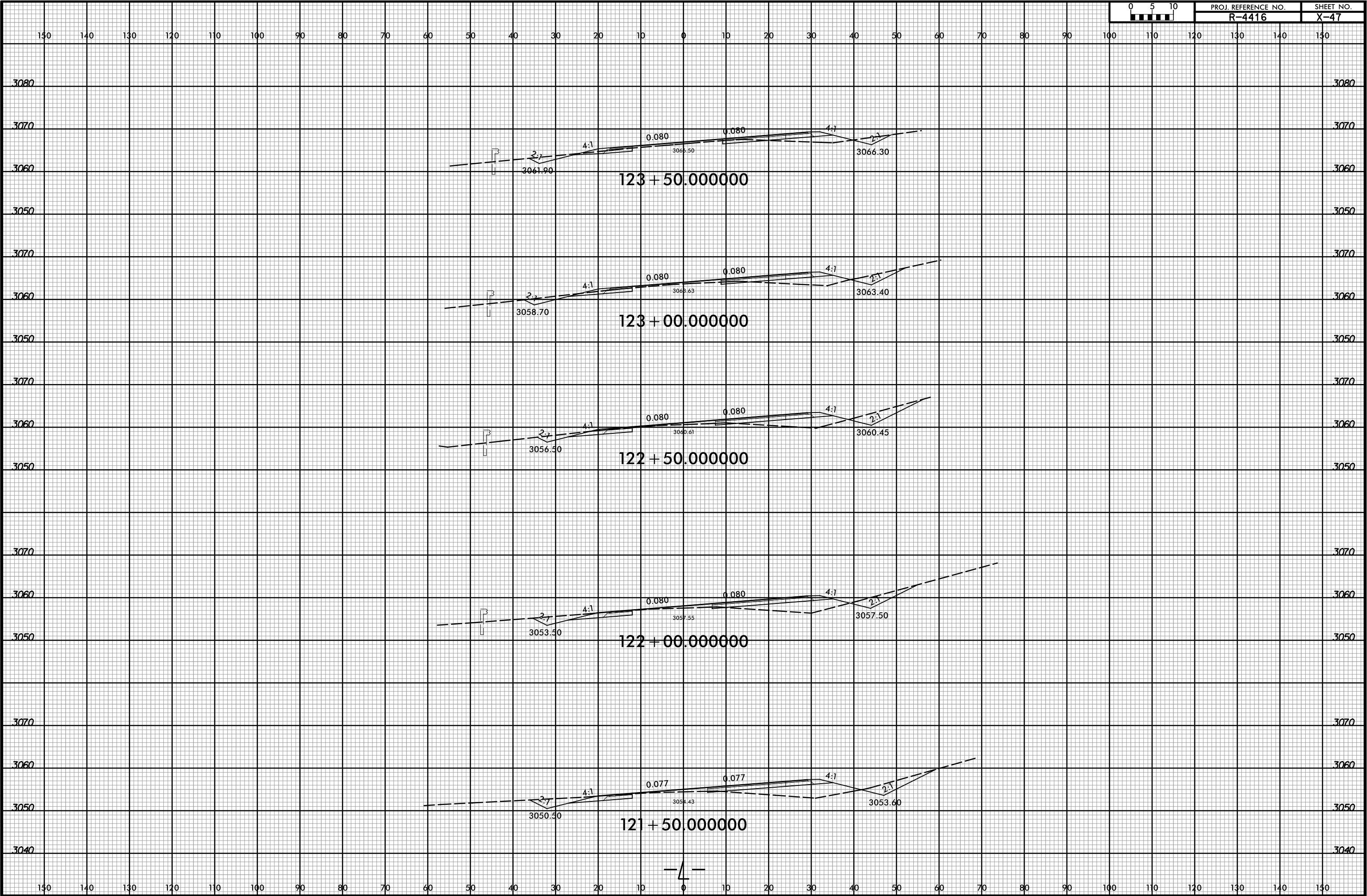




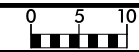






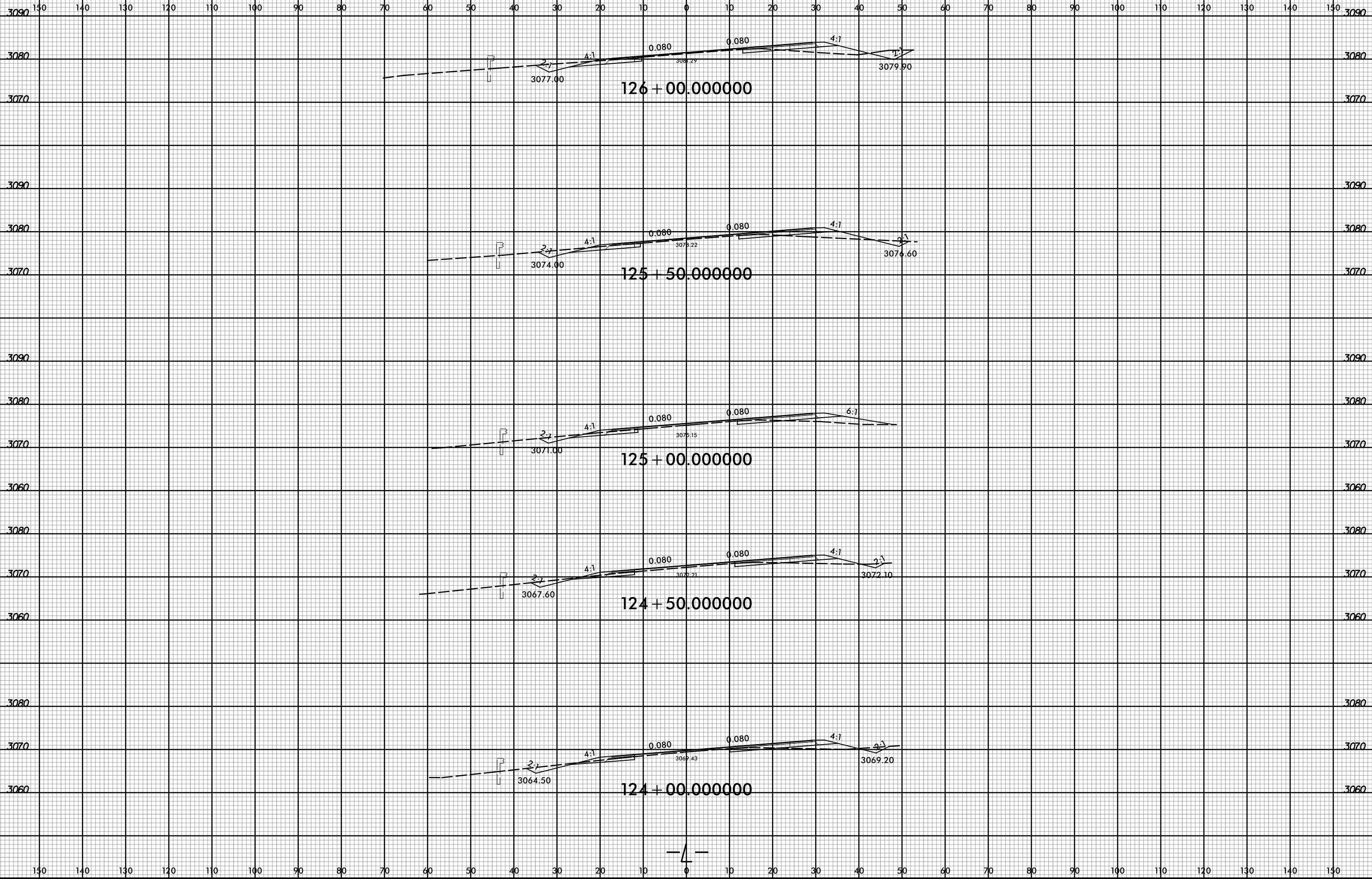


8/23/99

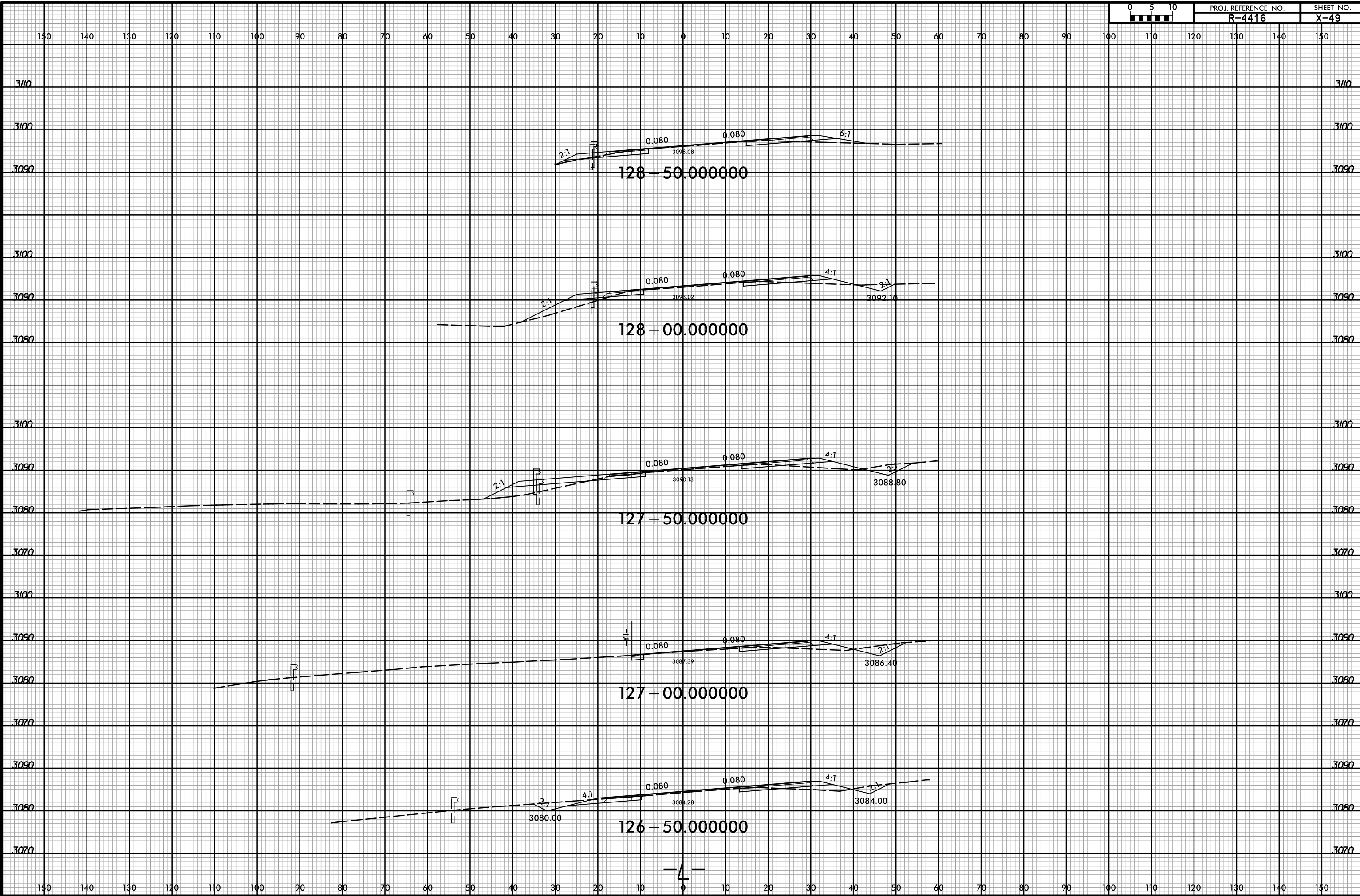


PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-48



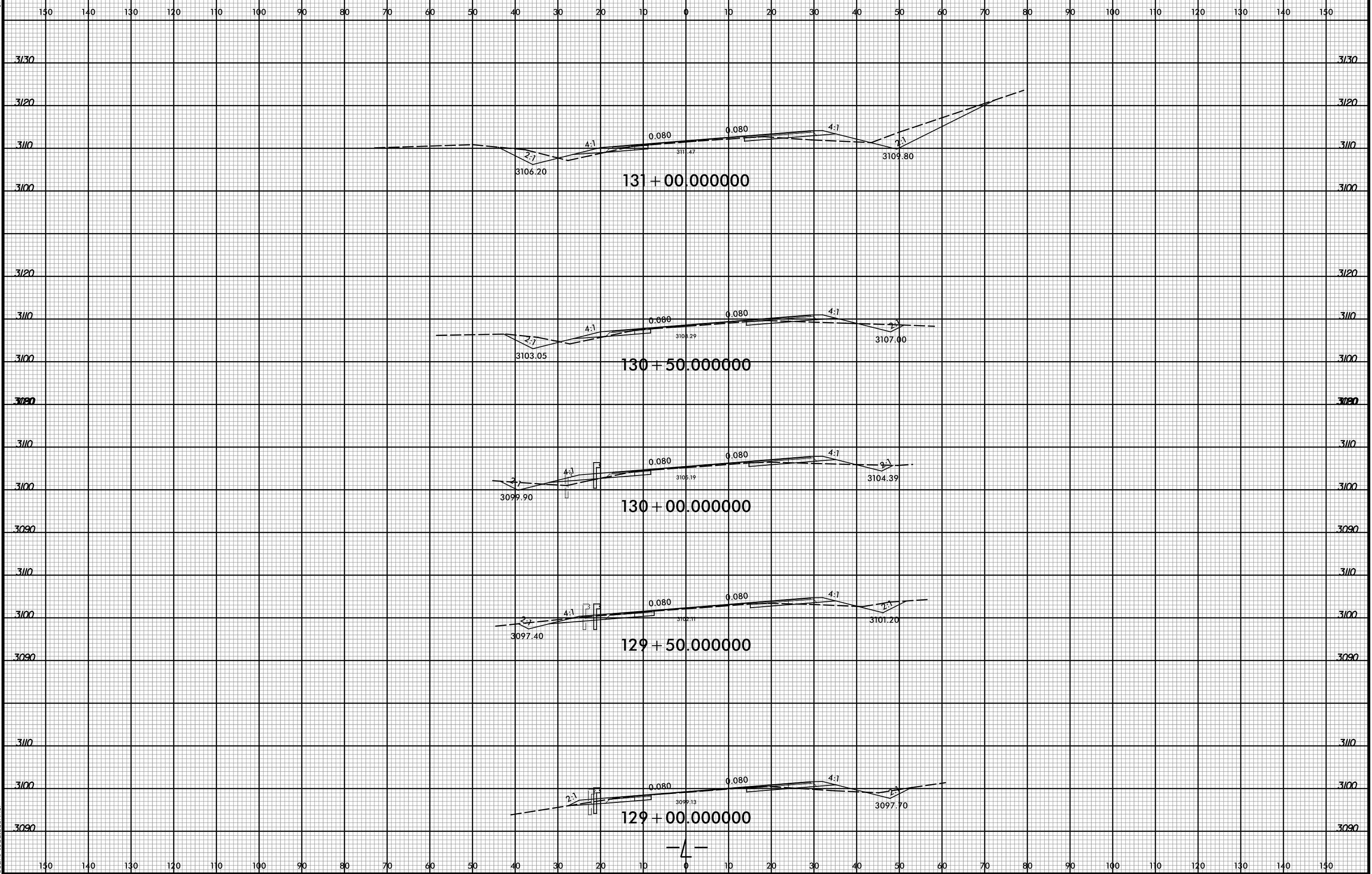
2/17/2016 3:09:30 PM
R:\Roadway\CorridorModeling\R-4416.rdy.L_XPL.dgn
User: todd.buckner



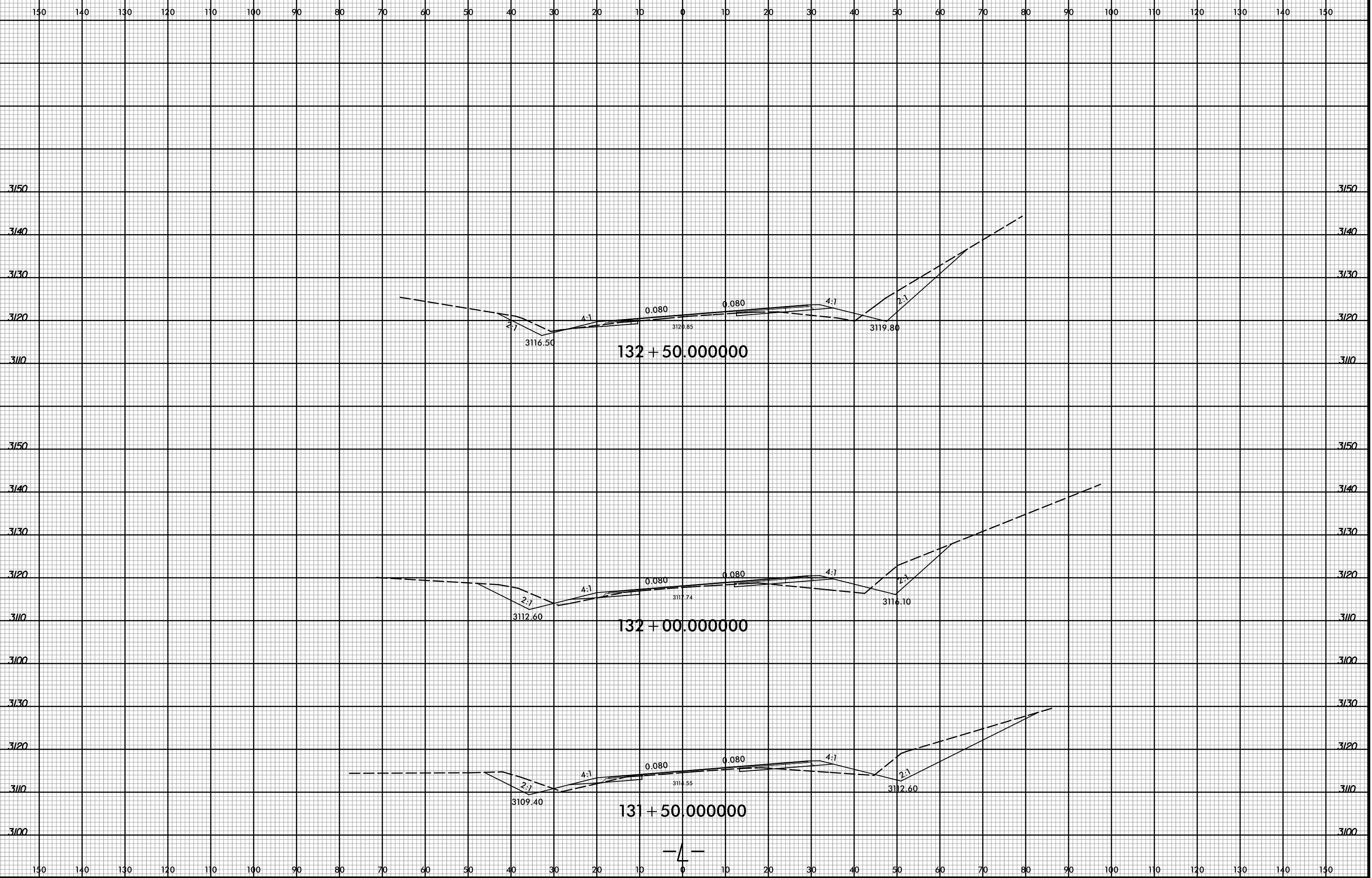
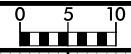
8/23/99



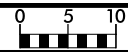
PROJ. REFERENCE NO.	SHEET NO.
R-4416	X-50



2/17/2016 3:09:31PM
 R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
 User: todd.buckner

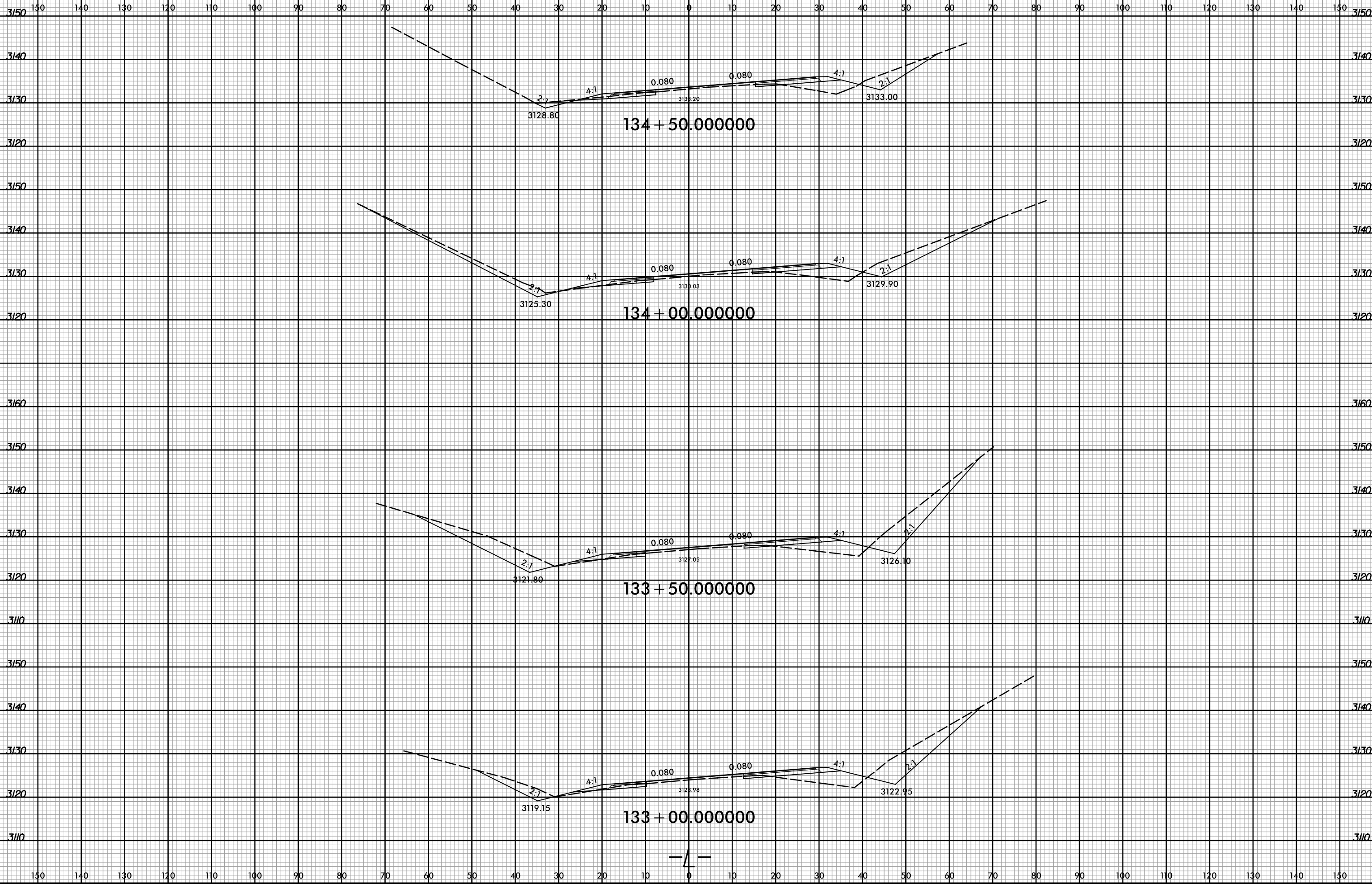


8/23/99



PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-52



2/17/2016 3:09:32 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

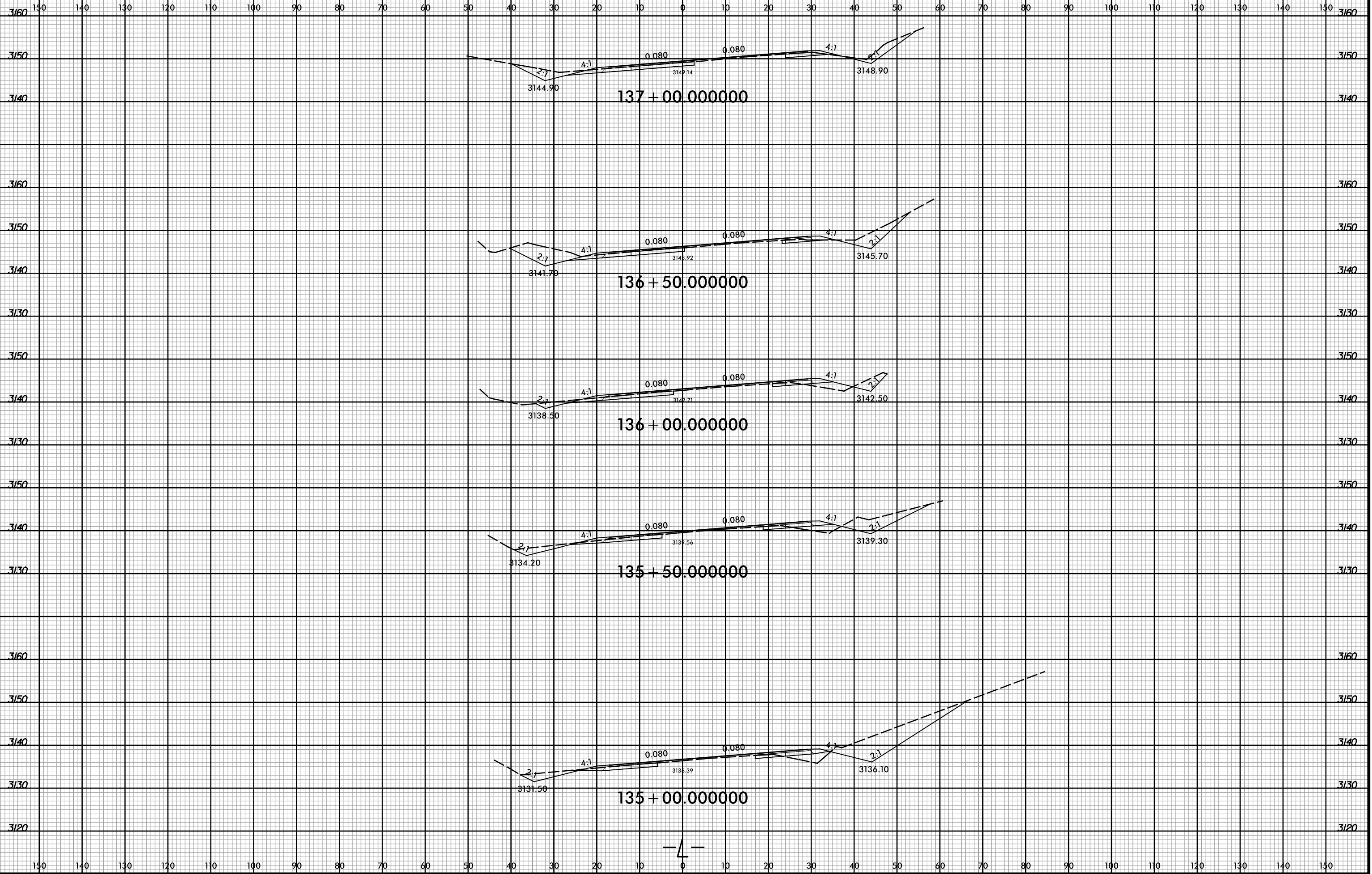


8/23/99

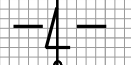


PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-53



2/17/2016 3:09:32 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
USER: todd.buckner

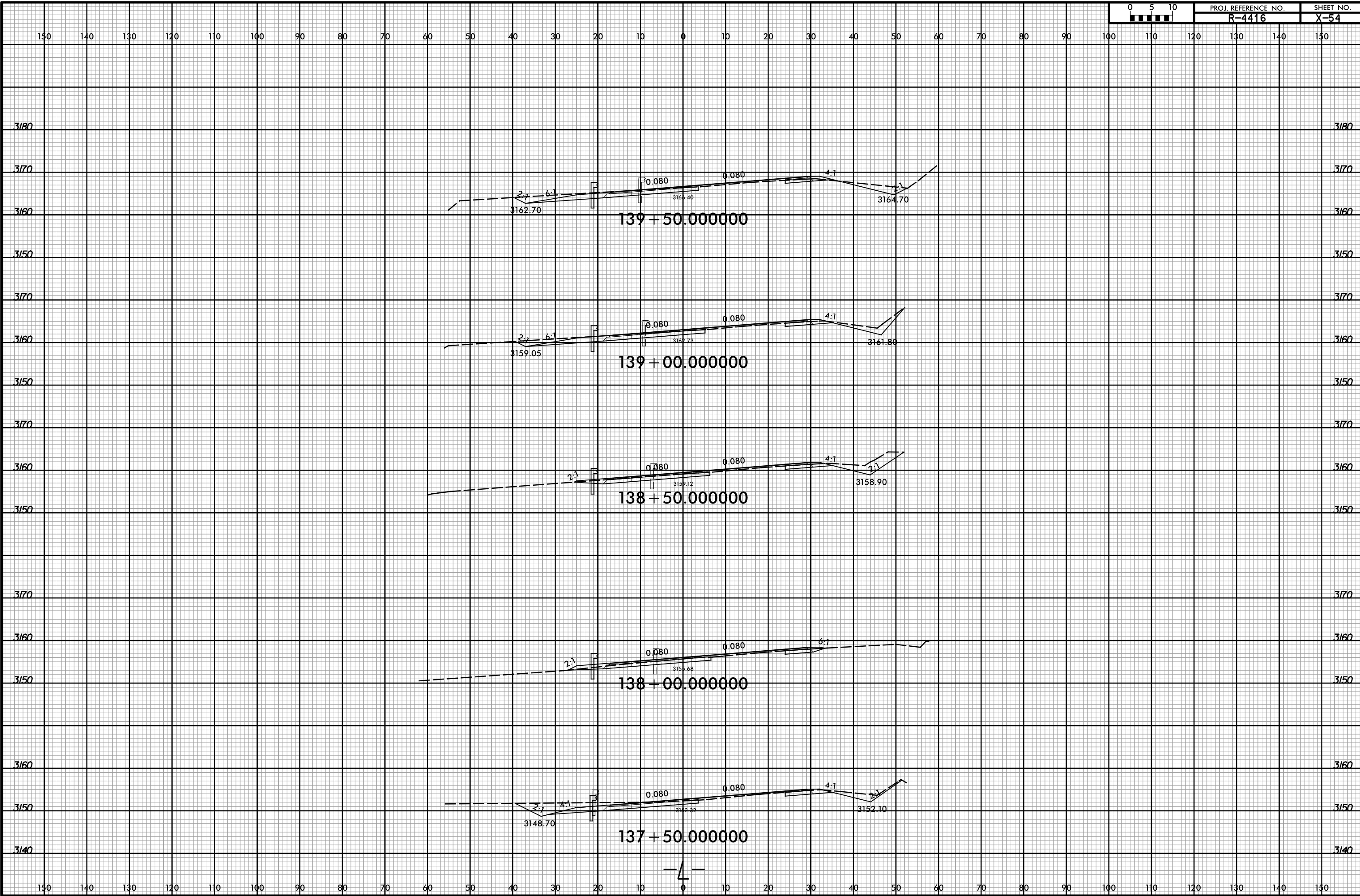


8/23/99

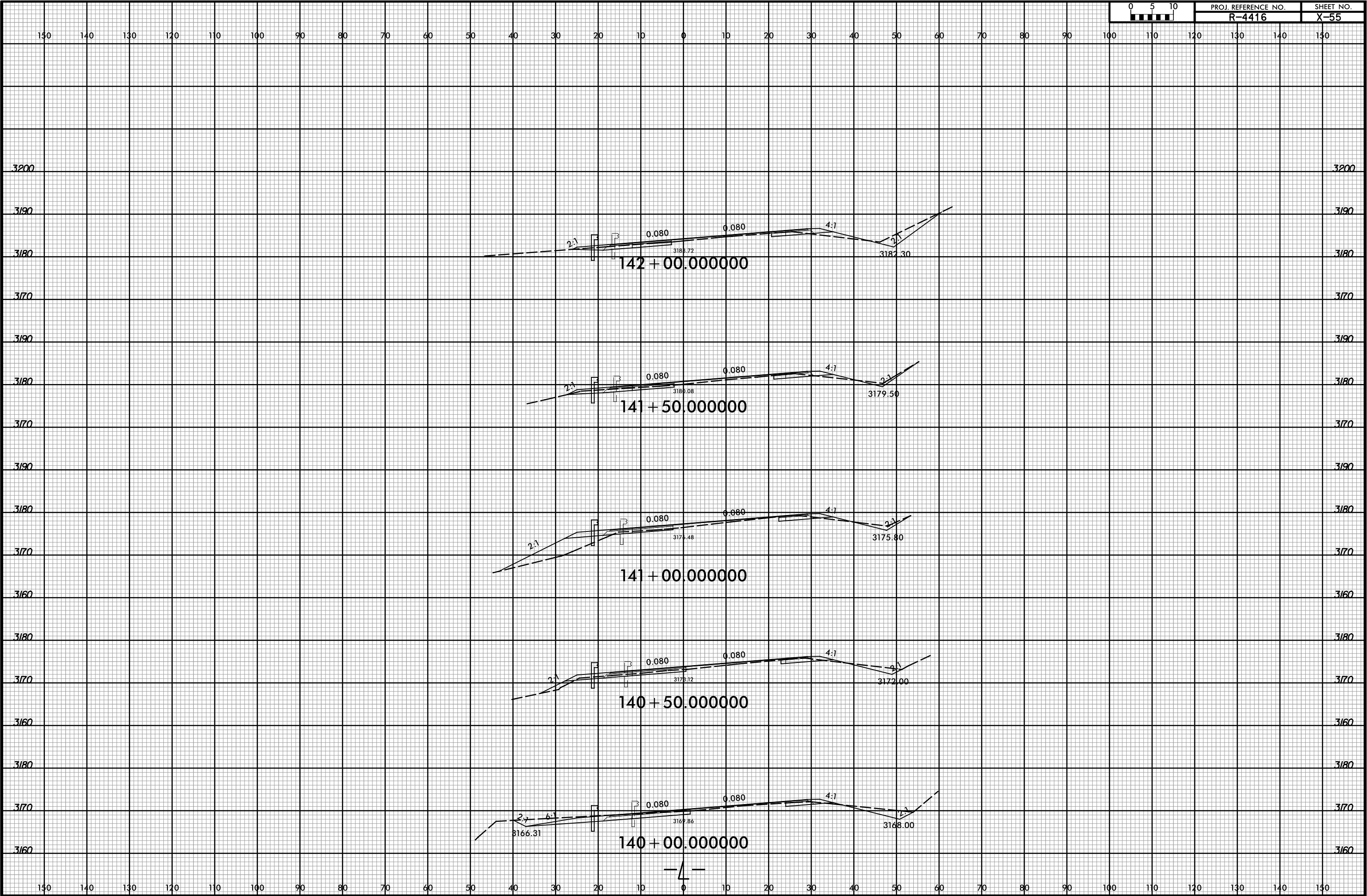


PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-54



2/18/2016 4:18:54 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

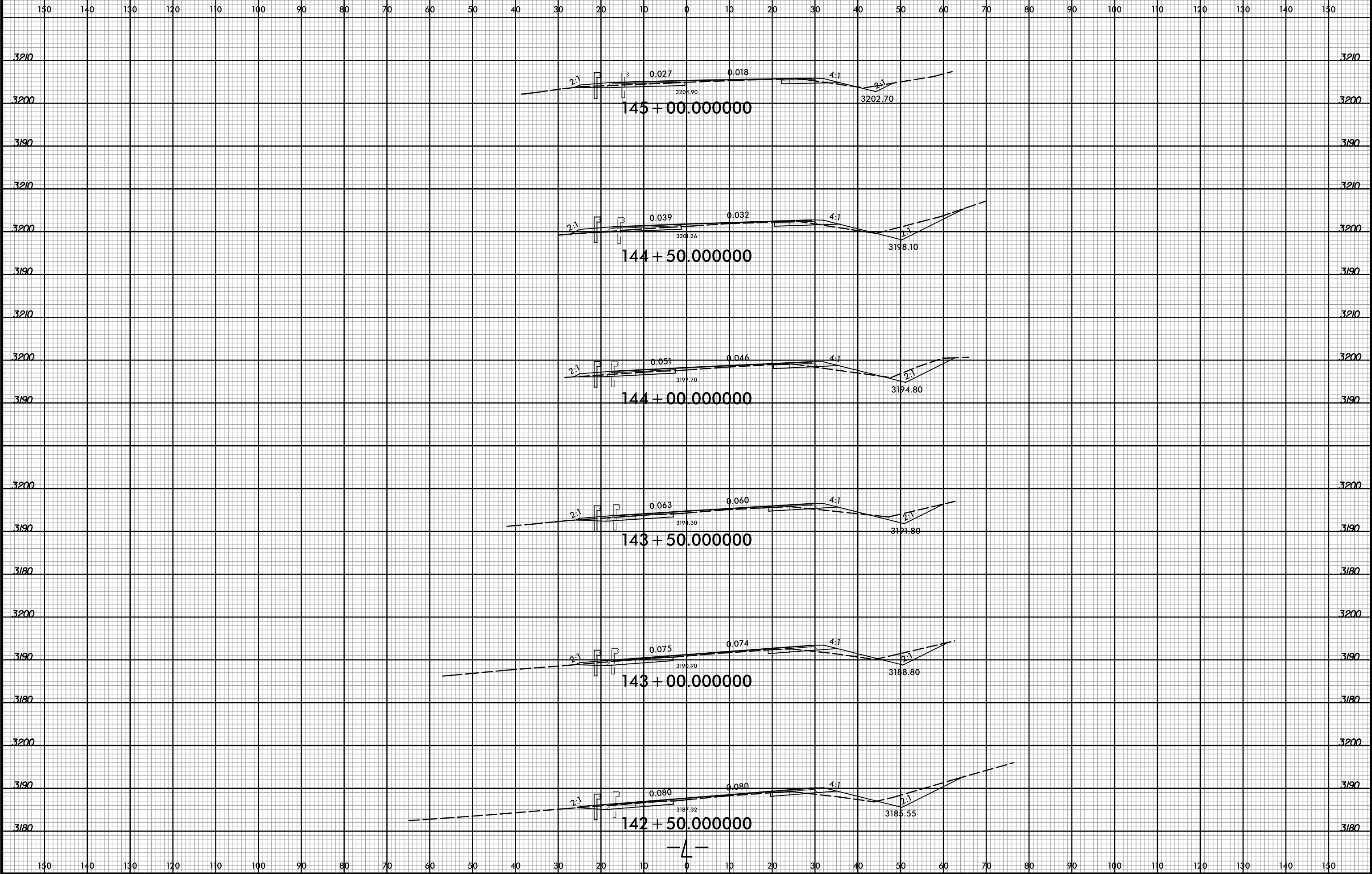


8/23/99

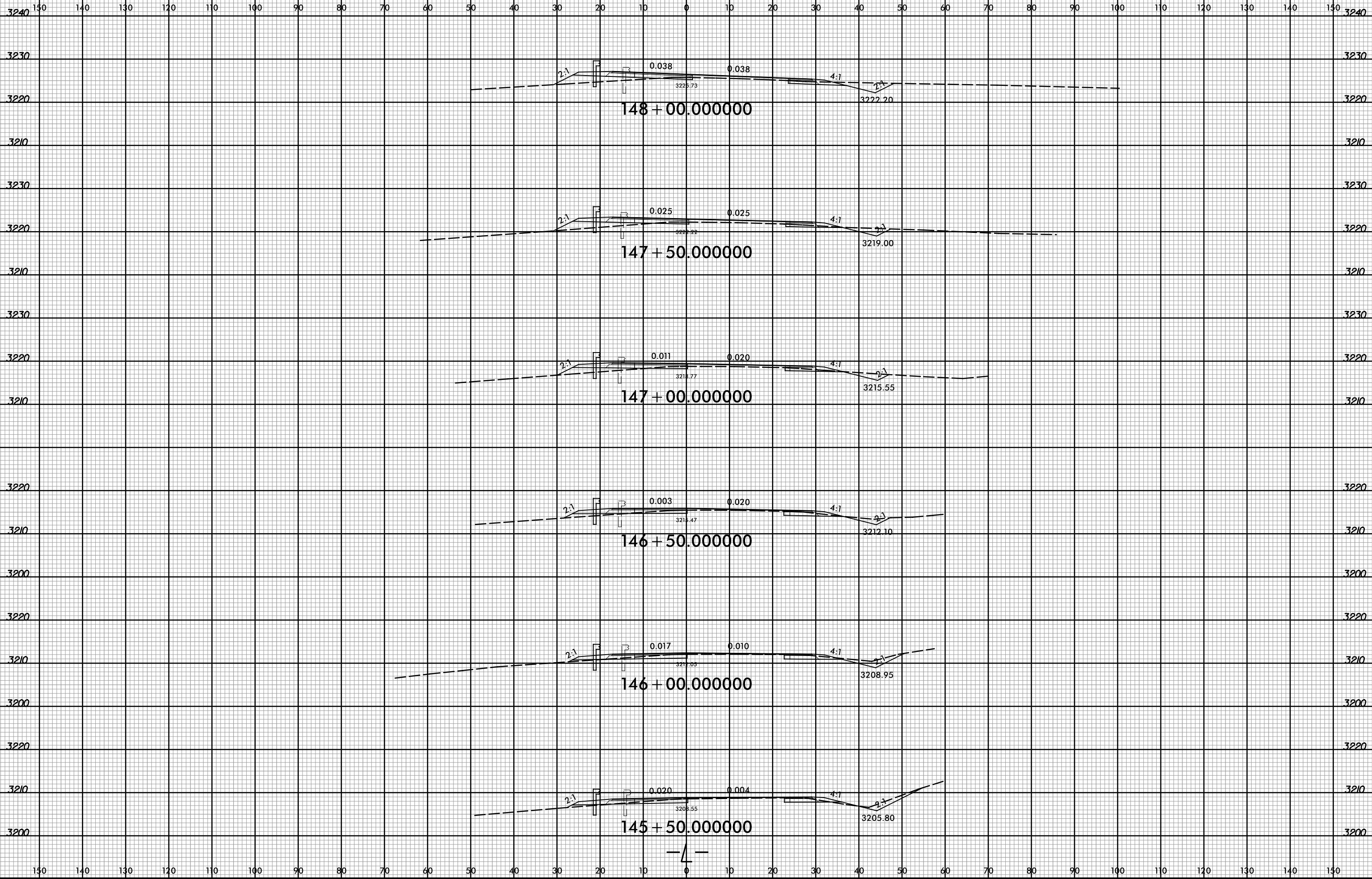


PROJ. REFERENCE NO.
R-4416

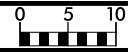
SHEET NO.
X-56



2/17/2016 3:09:33 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

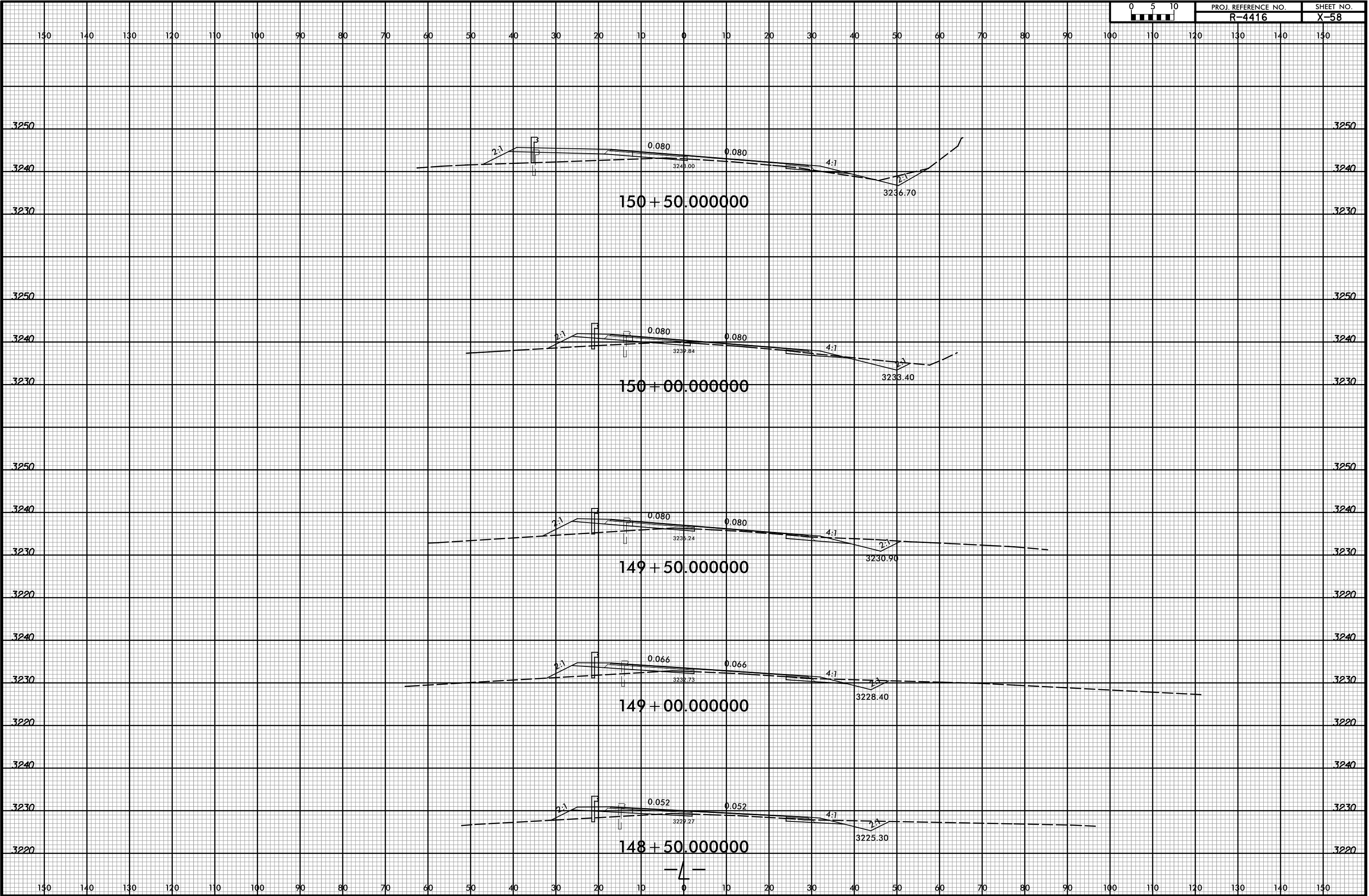


8/23/99



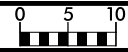
PROJ. REFERENCE NO. R-4416

SHEET NO. X-58



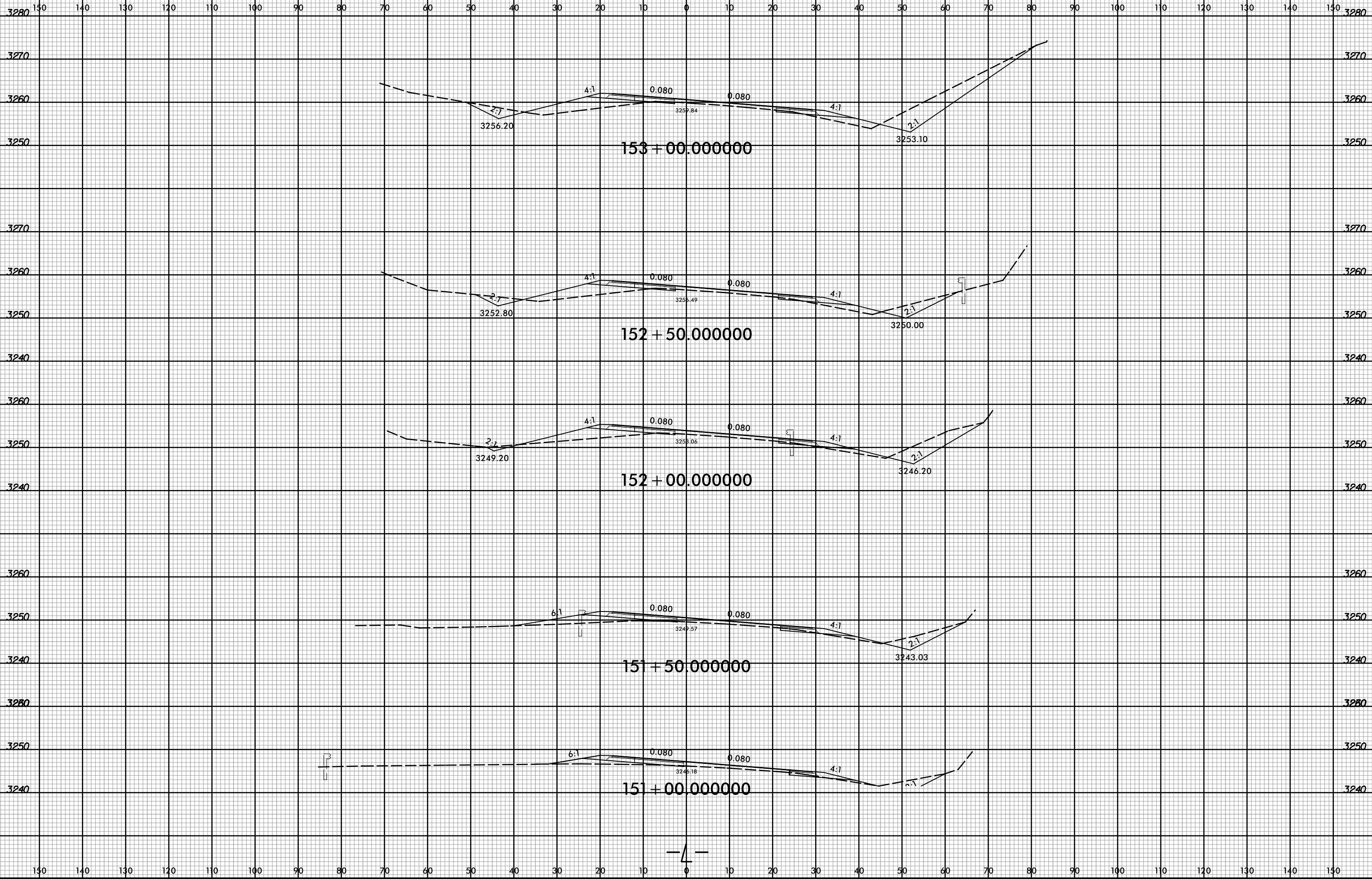
2/17/2016 3:09:34 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

8/23/99

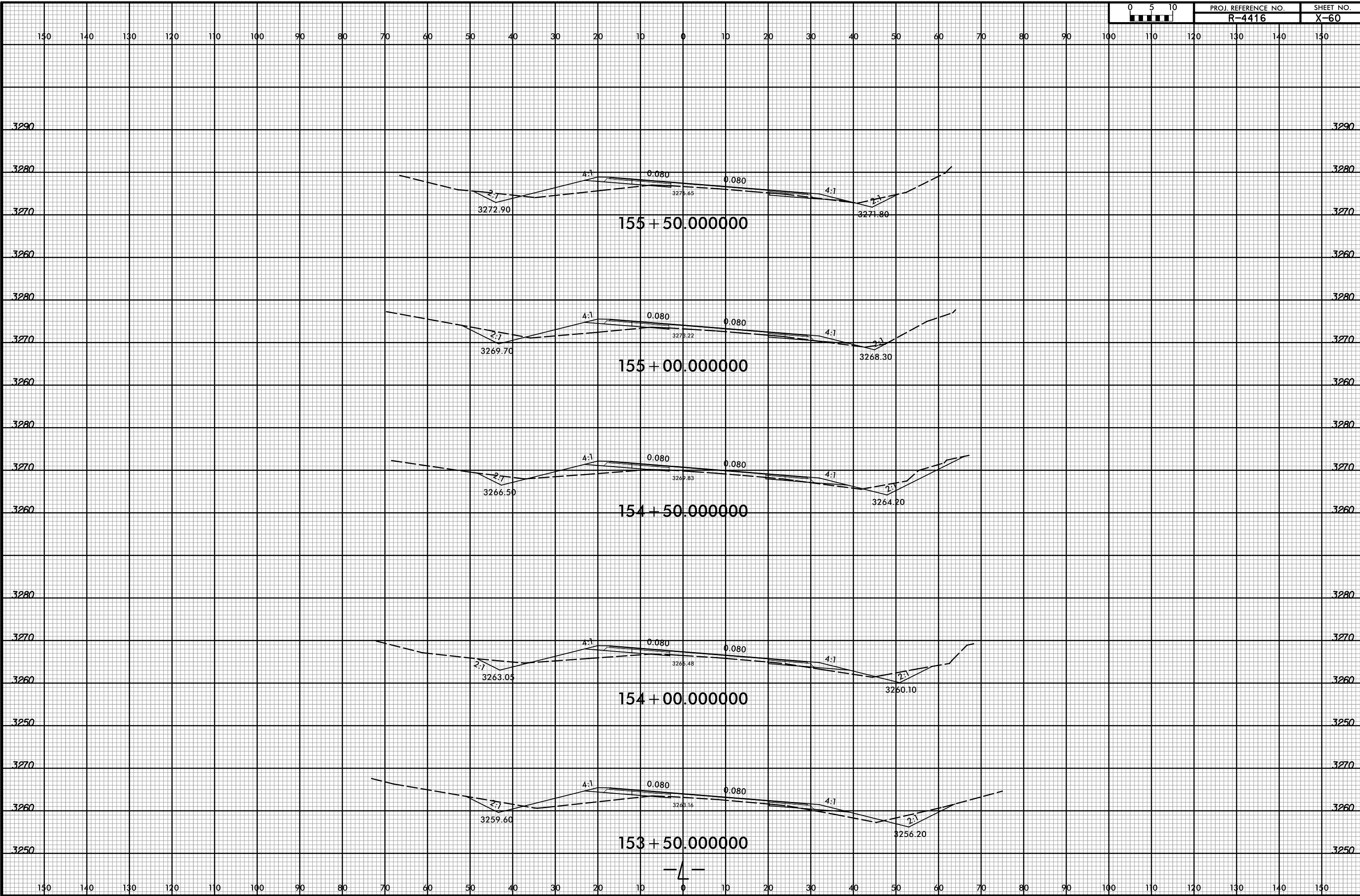


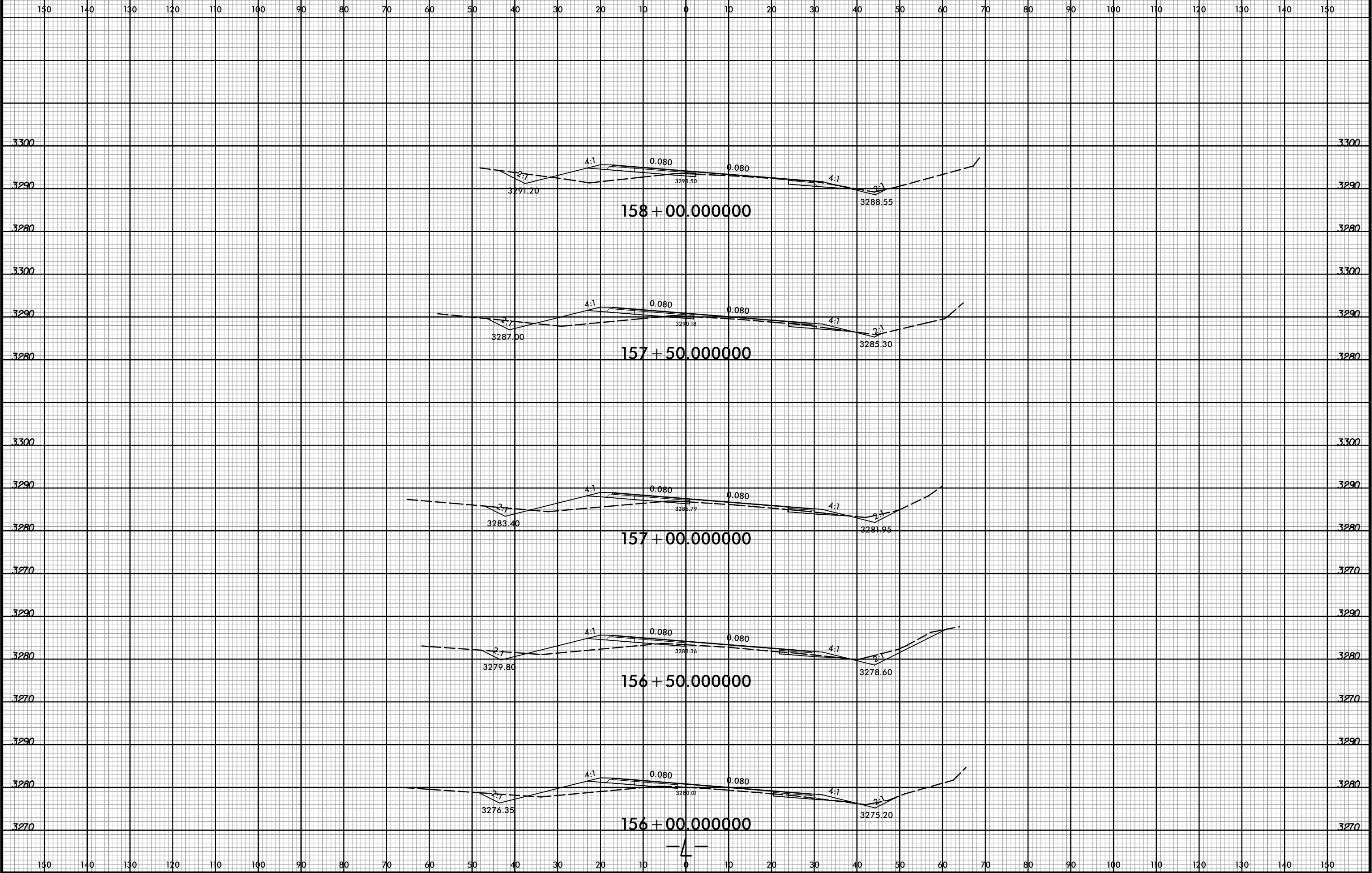
PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-59



2/17/2016 3:09:35 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner



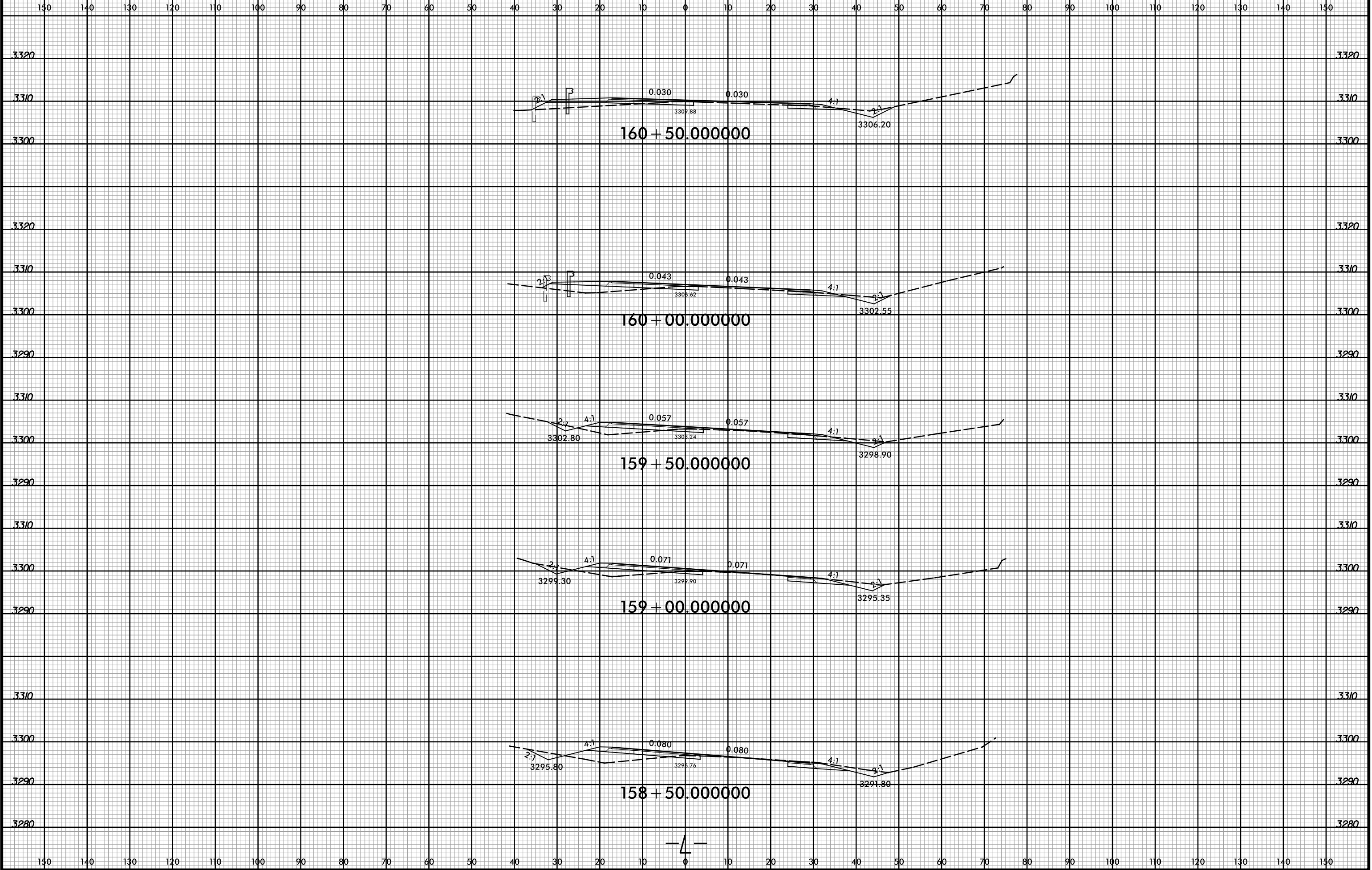


8/23/99

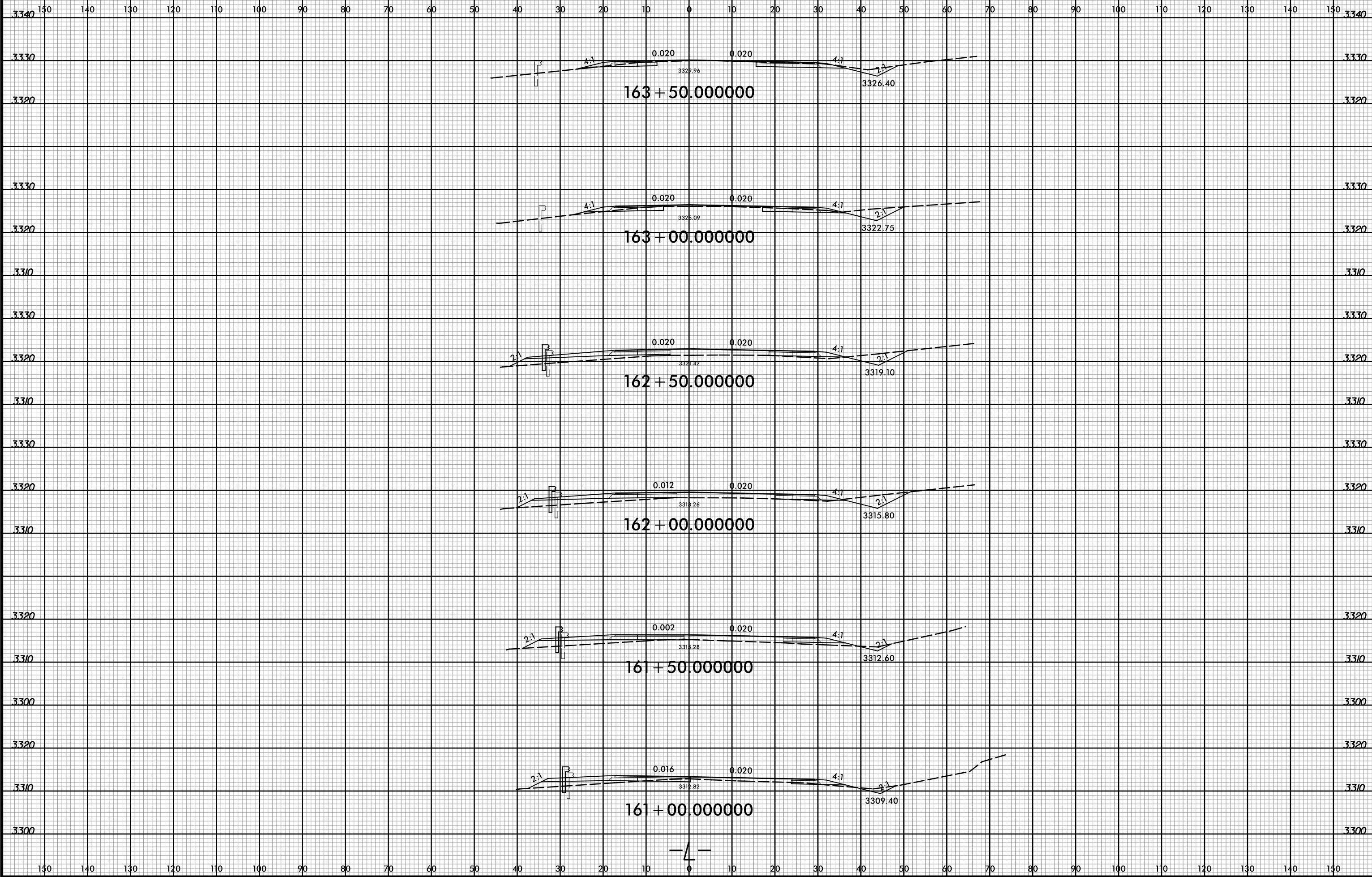


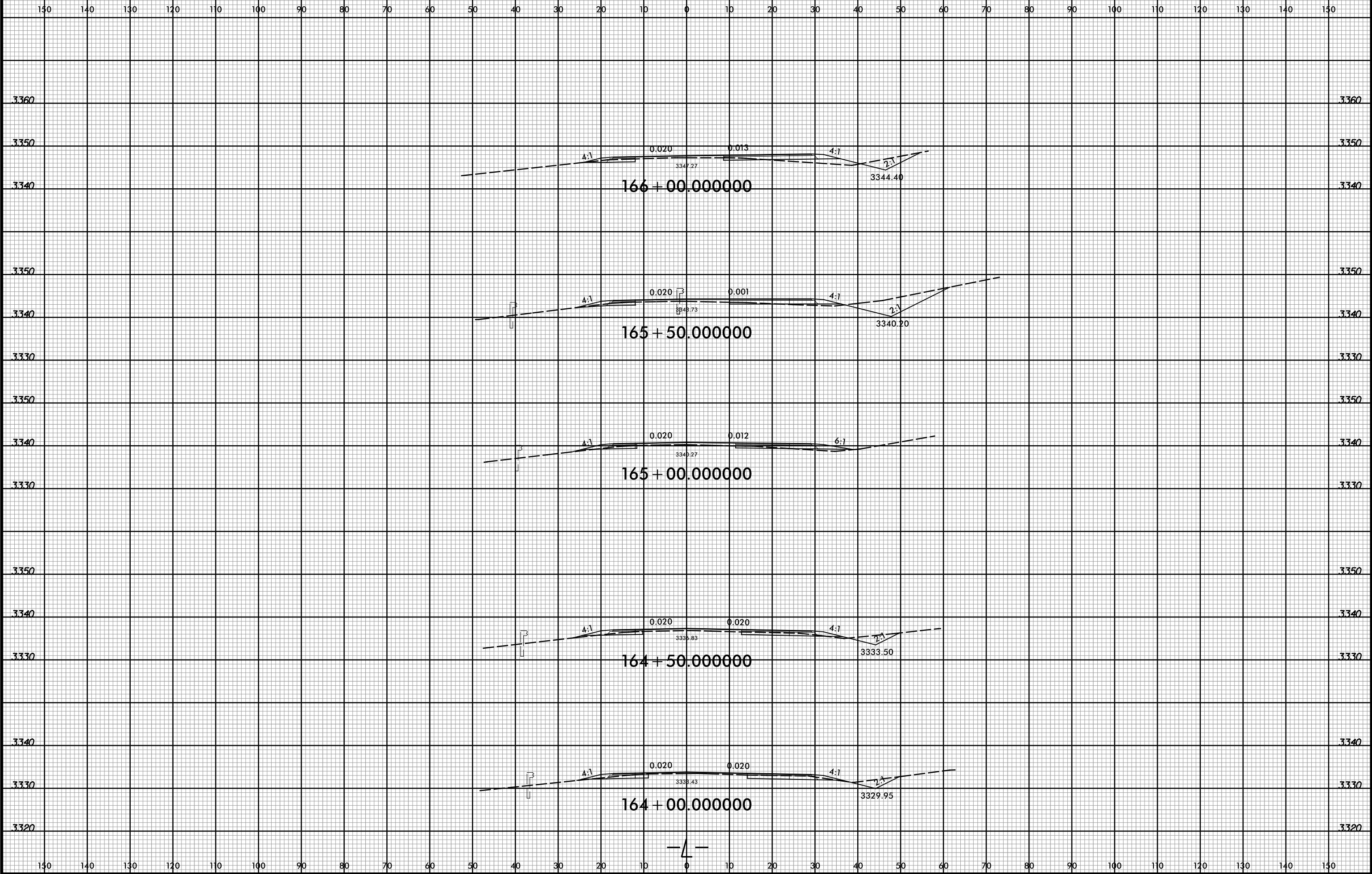
PROJ. REFERENCE NO.
R-4416

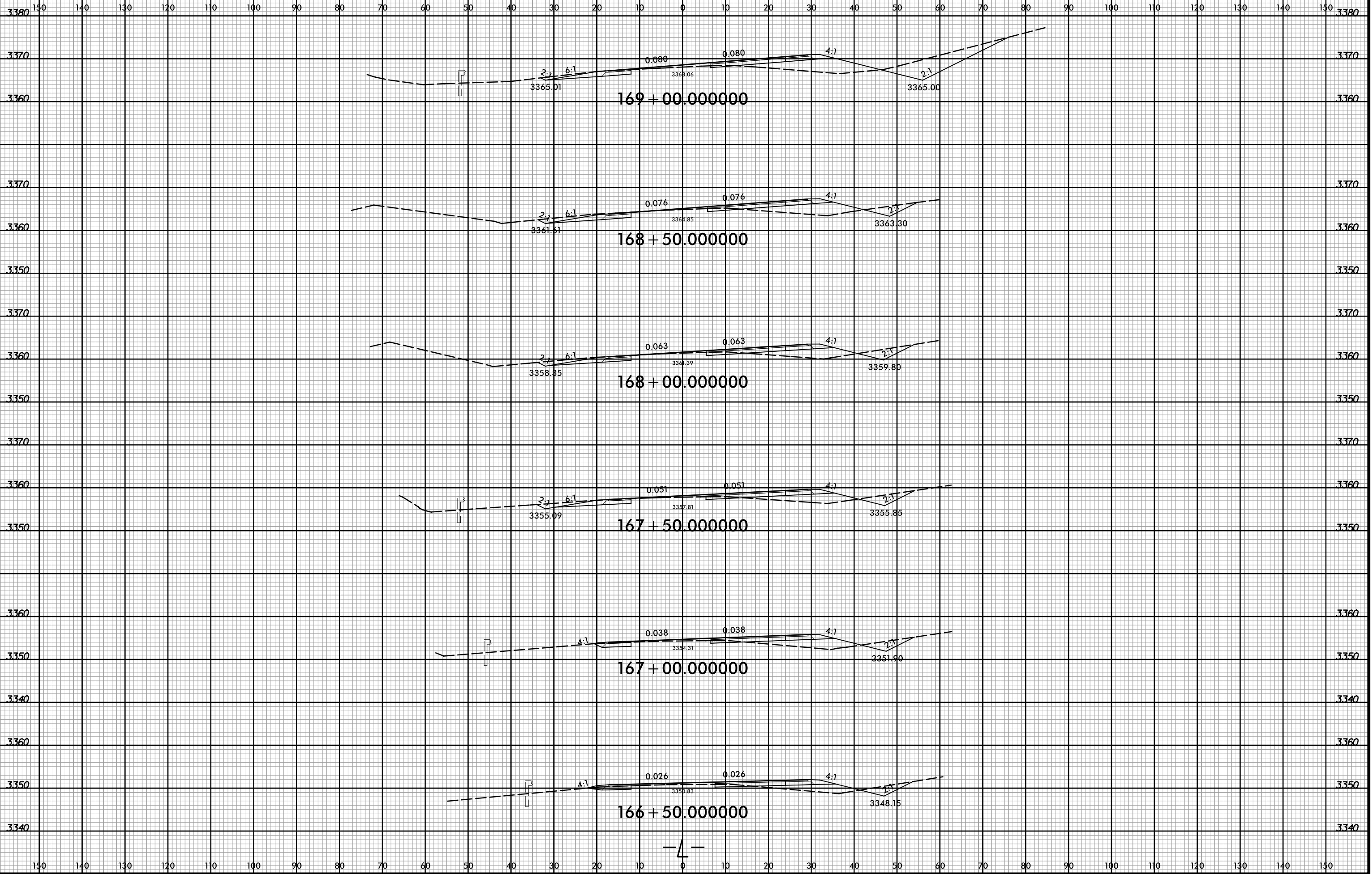
SHEET NO.
X-62

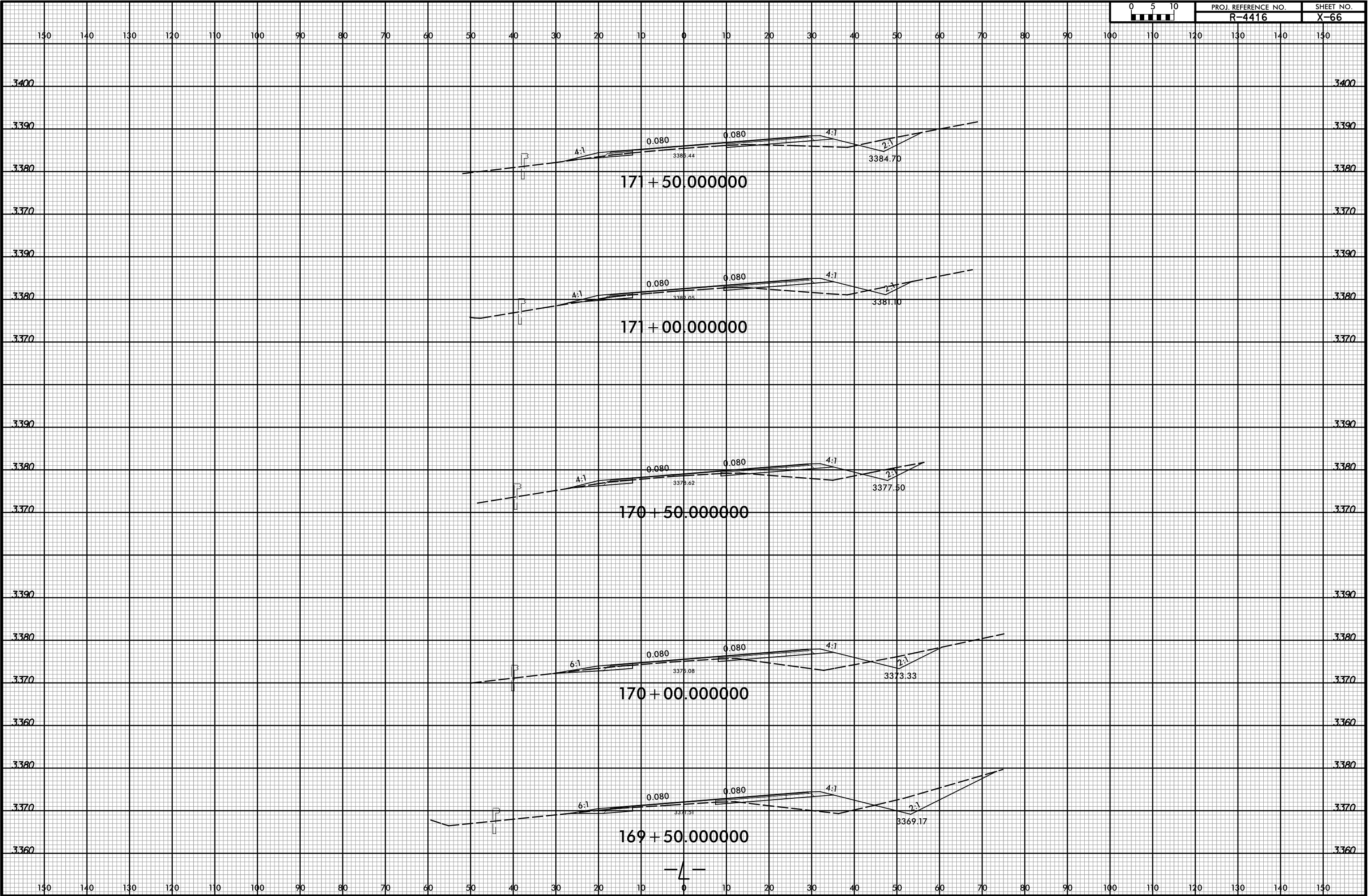
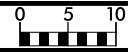


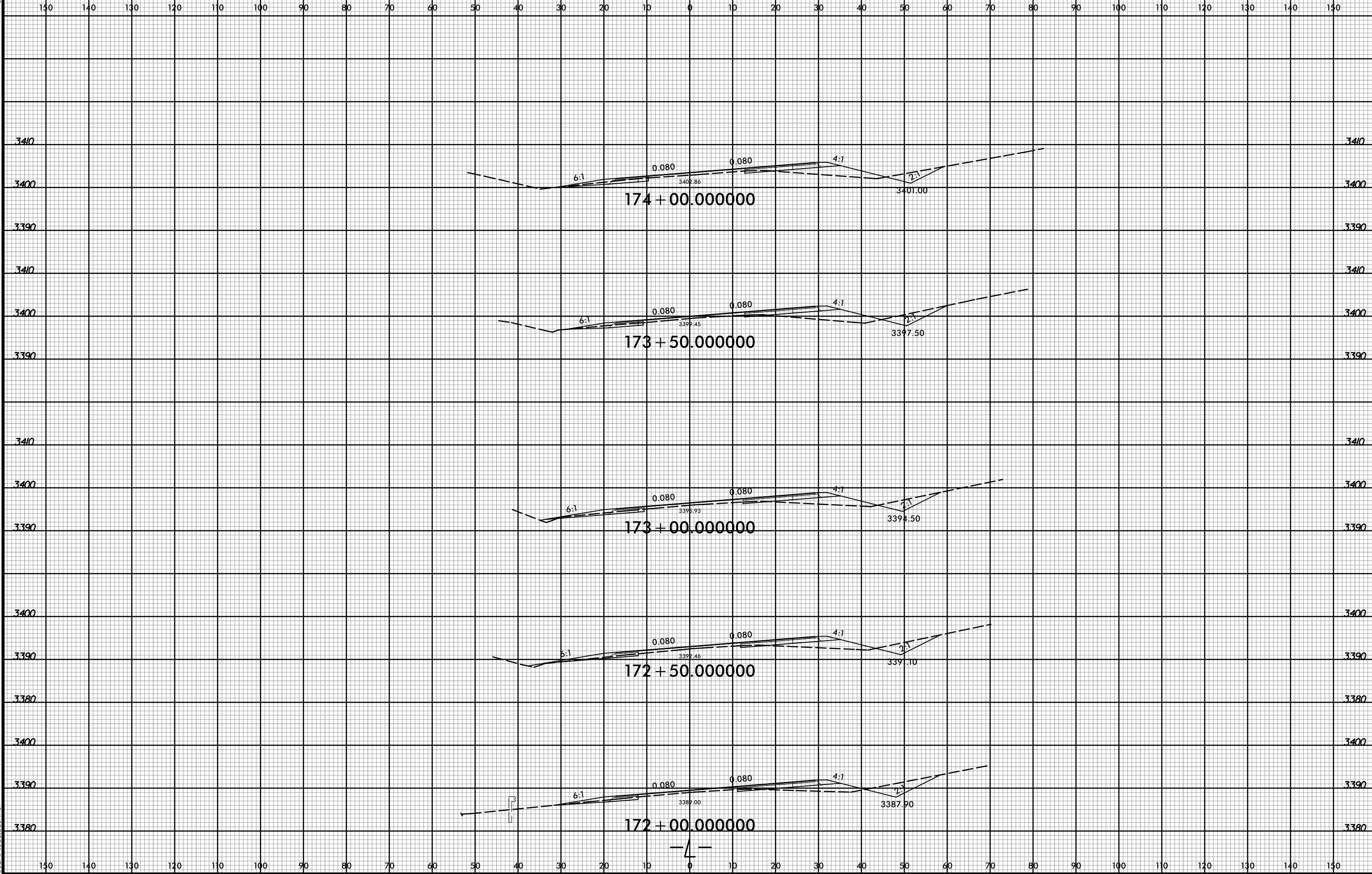
2/17/2016 3:09:36 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
USER: todd.buckner

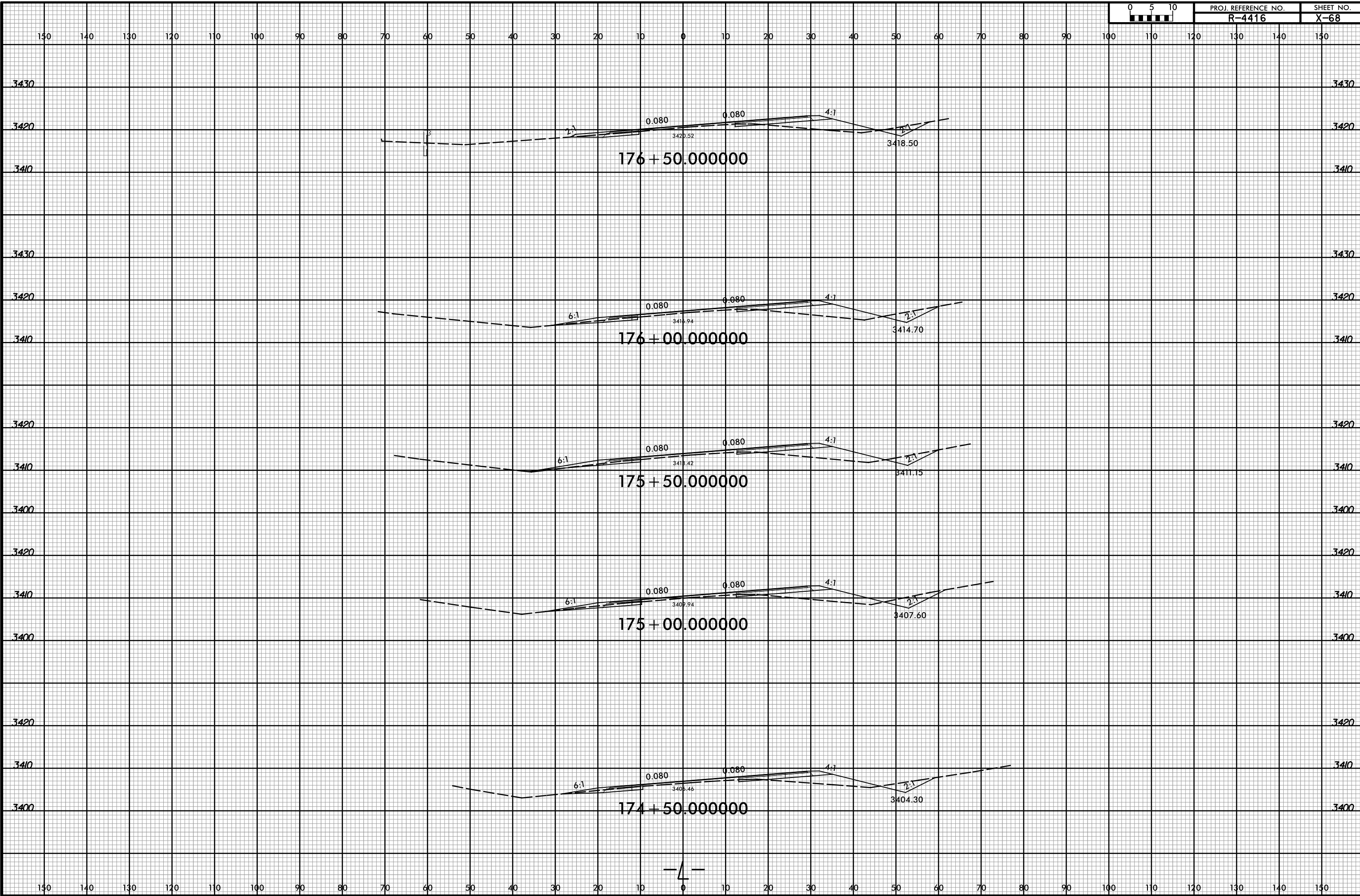




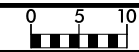






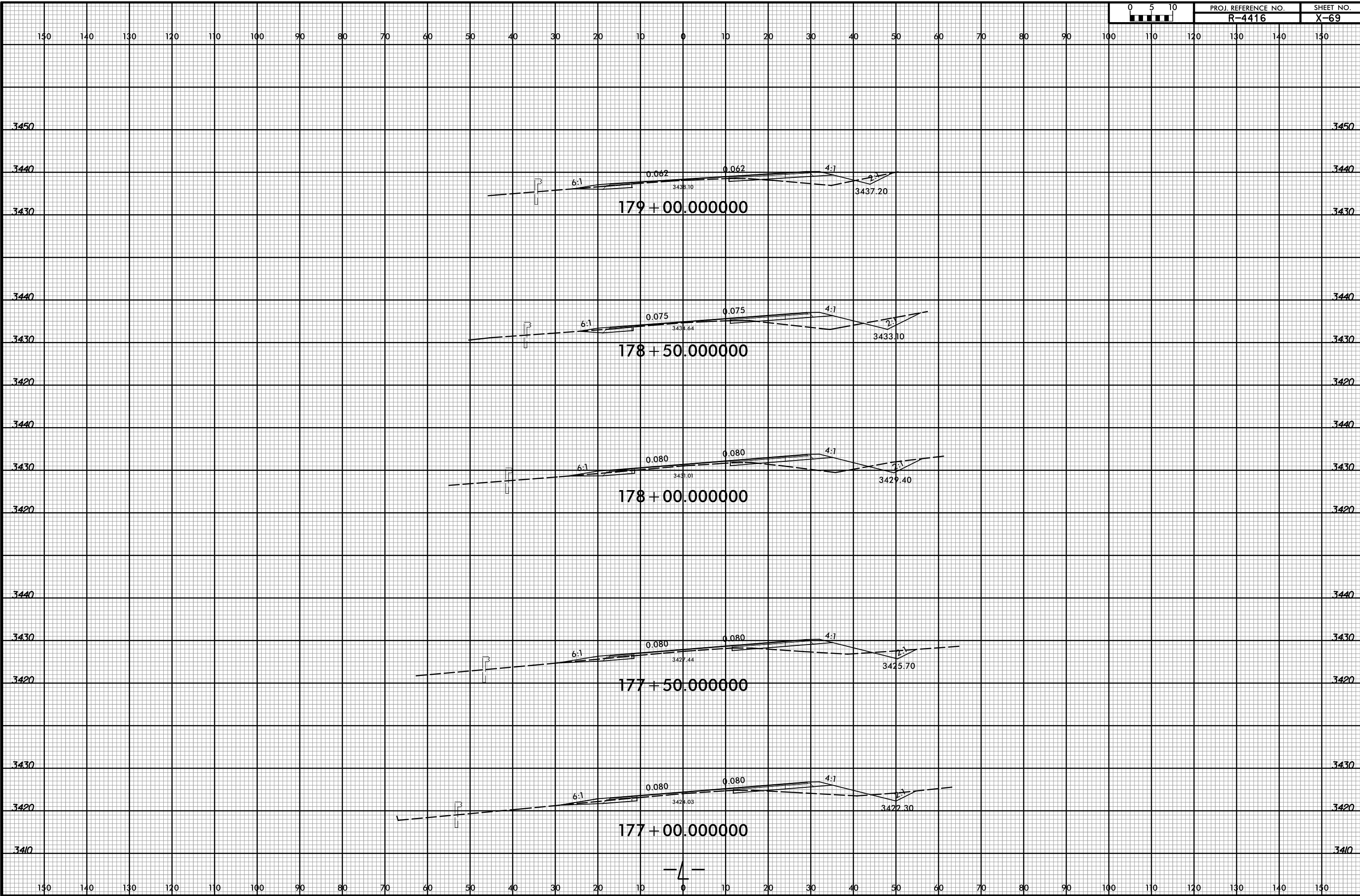


8/23/99



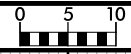
PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-69



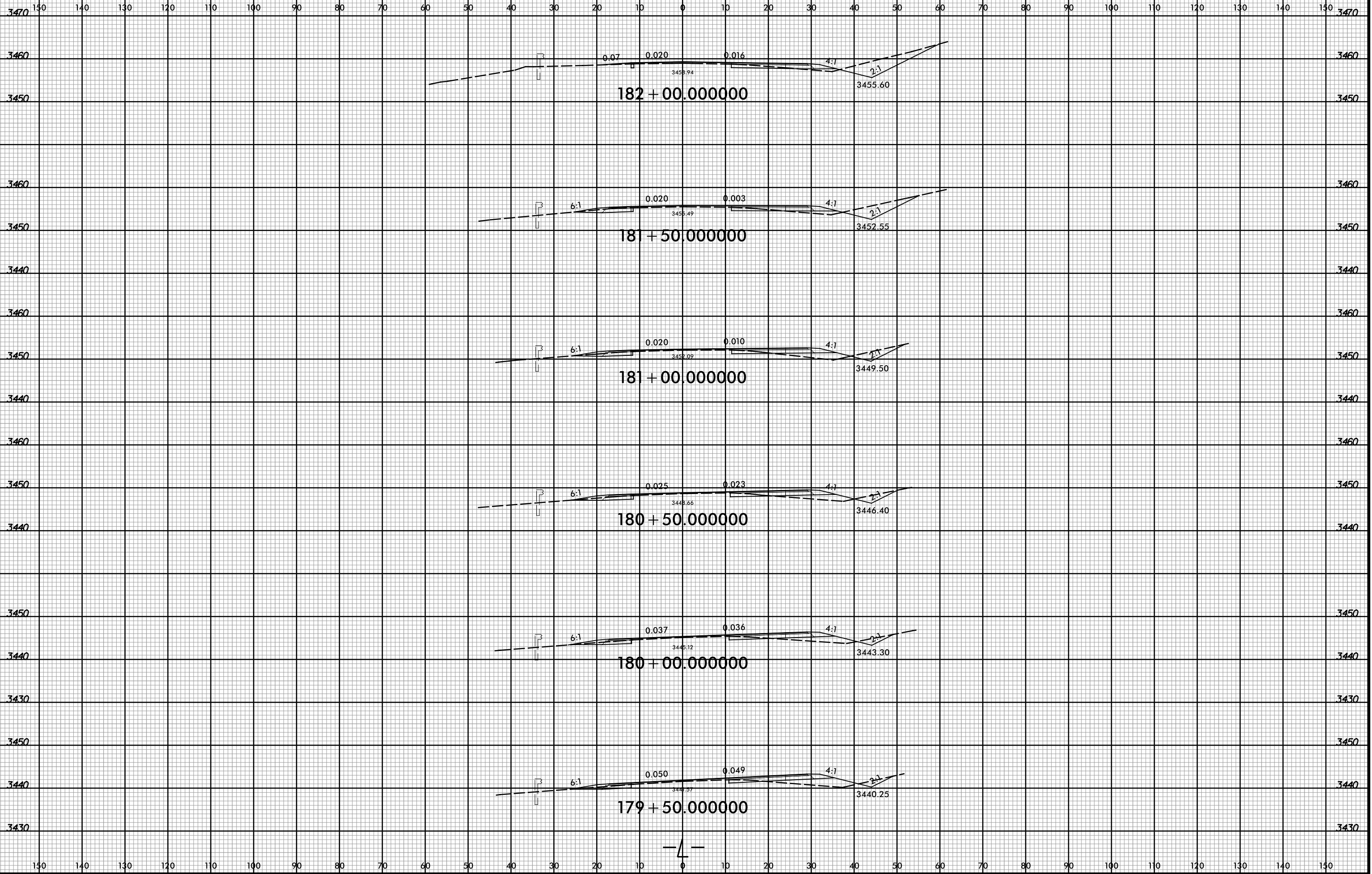
2/17/2016 3:09:40 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

8/23/99

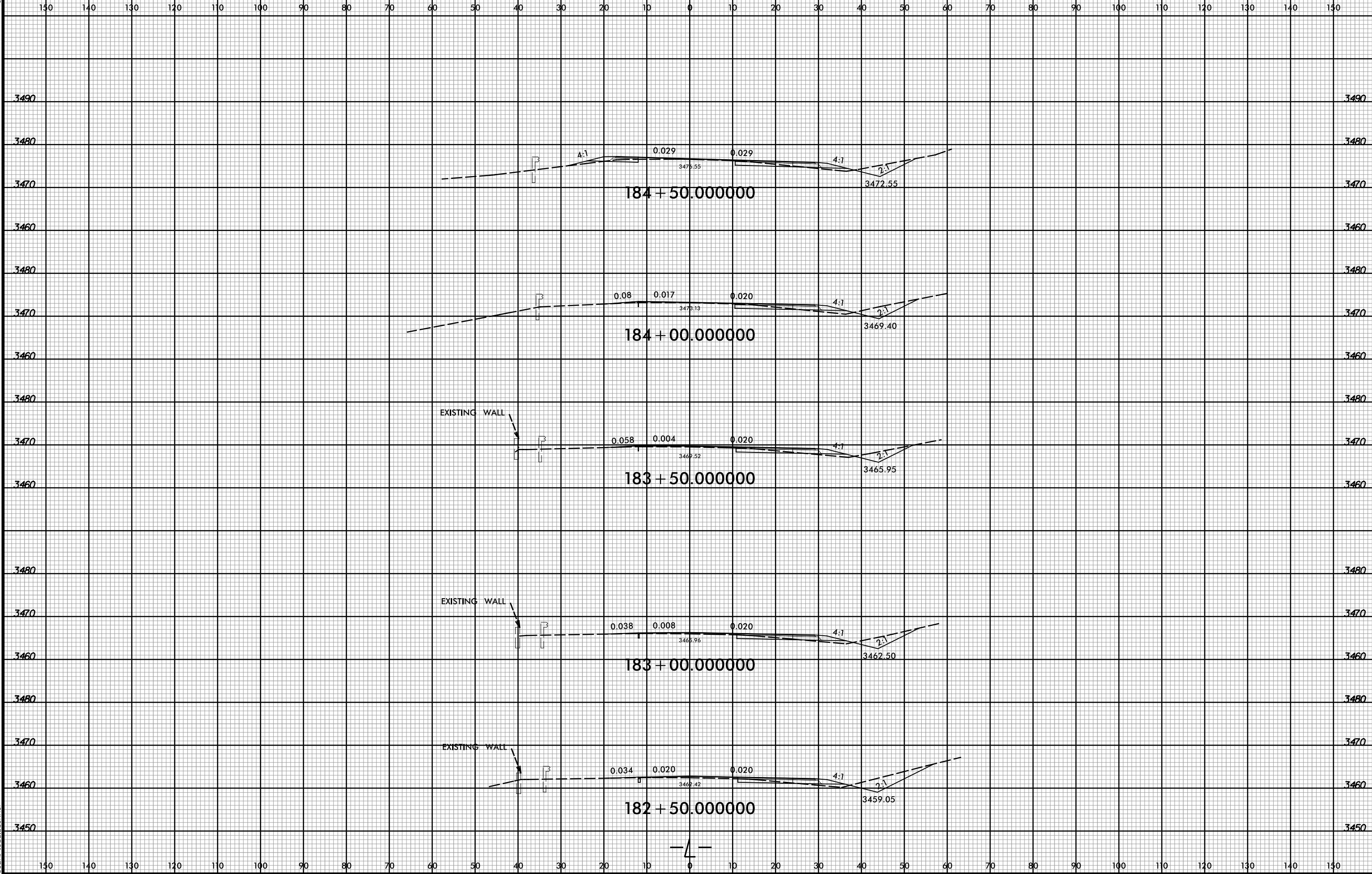


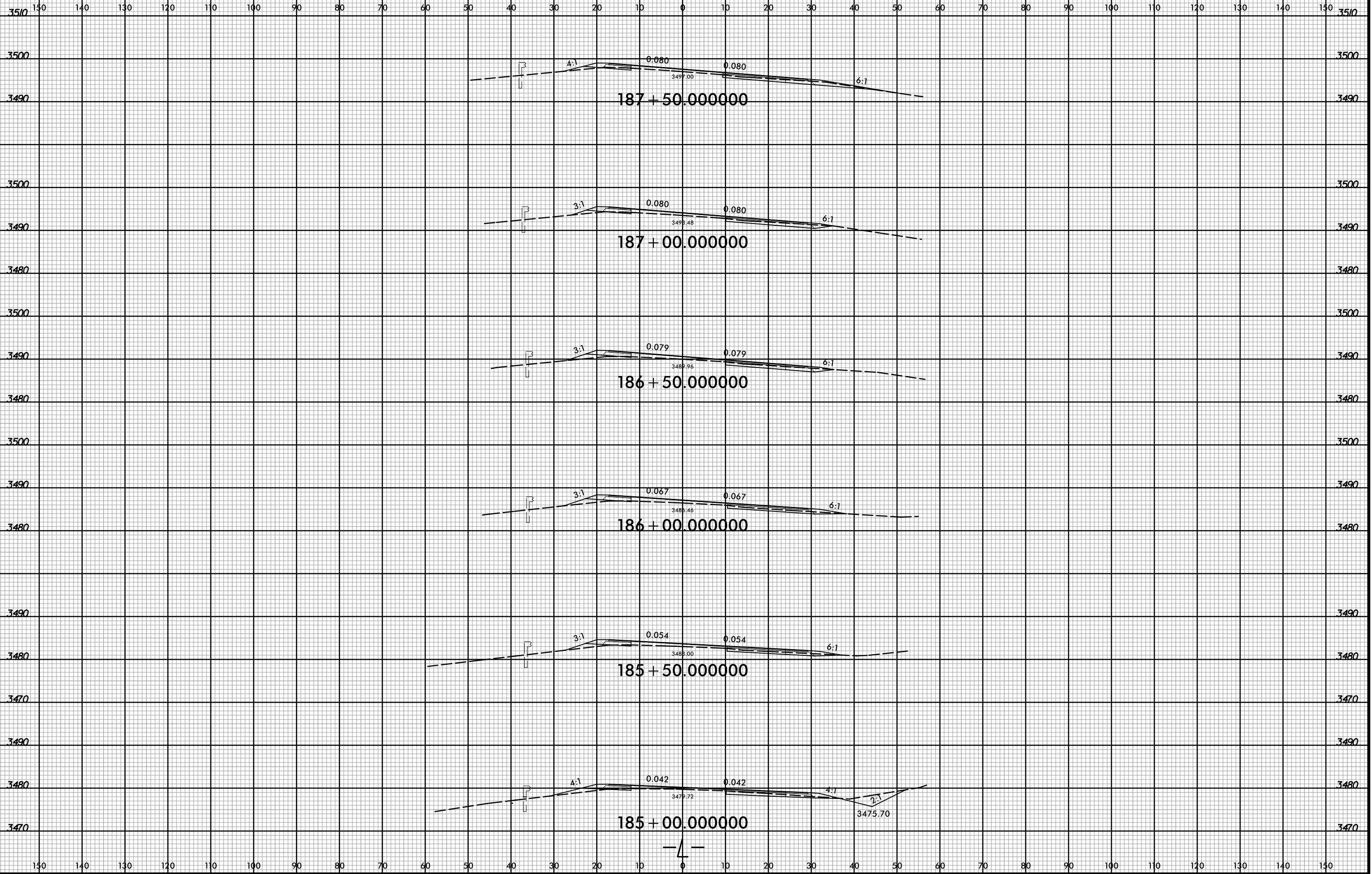
PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-70

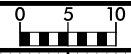


2/17/2016 3:09:40 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner



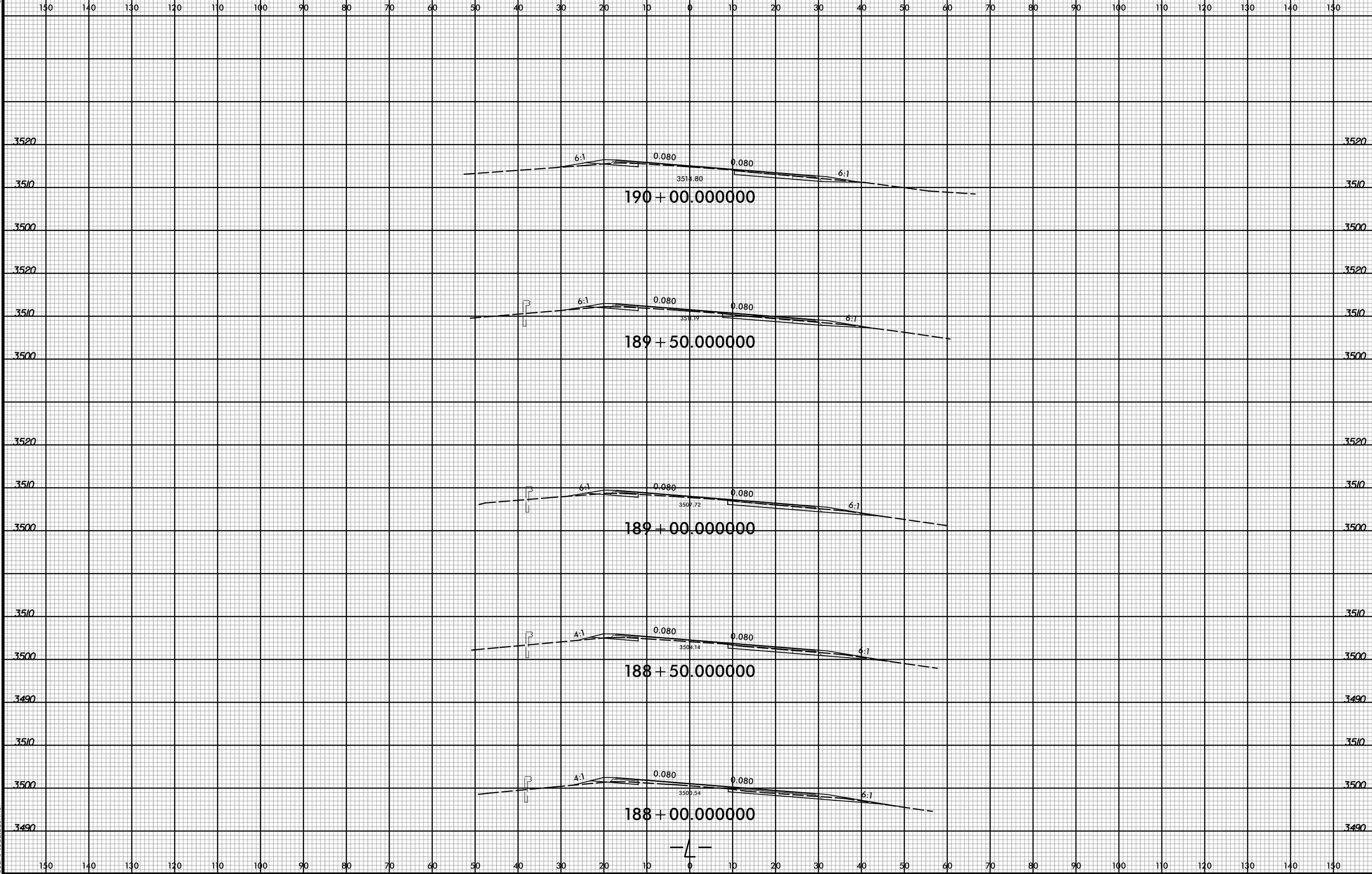


8/23/99



PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-73



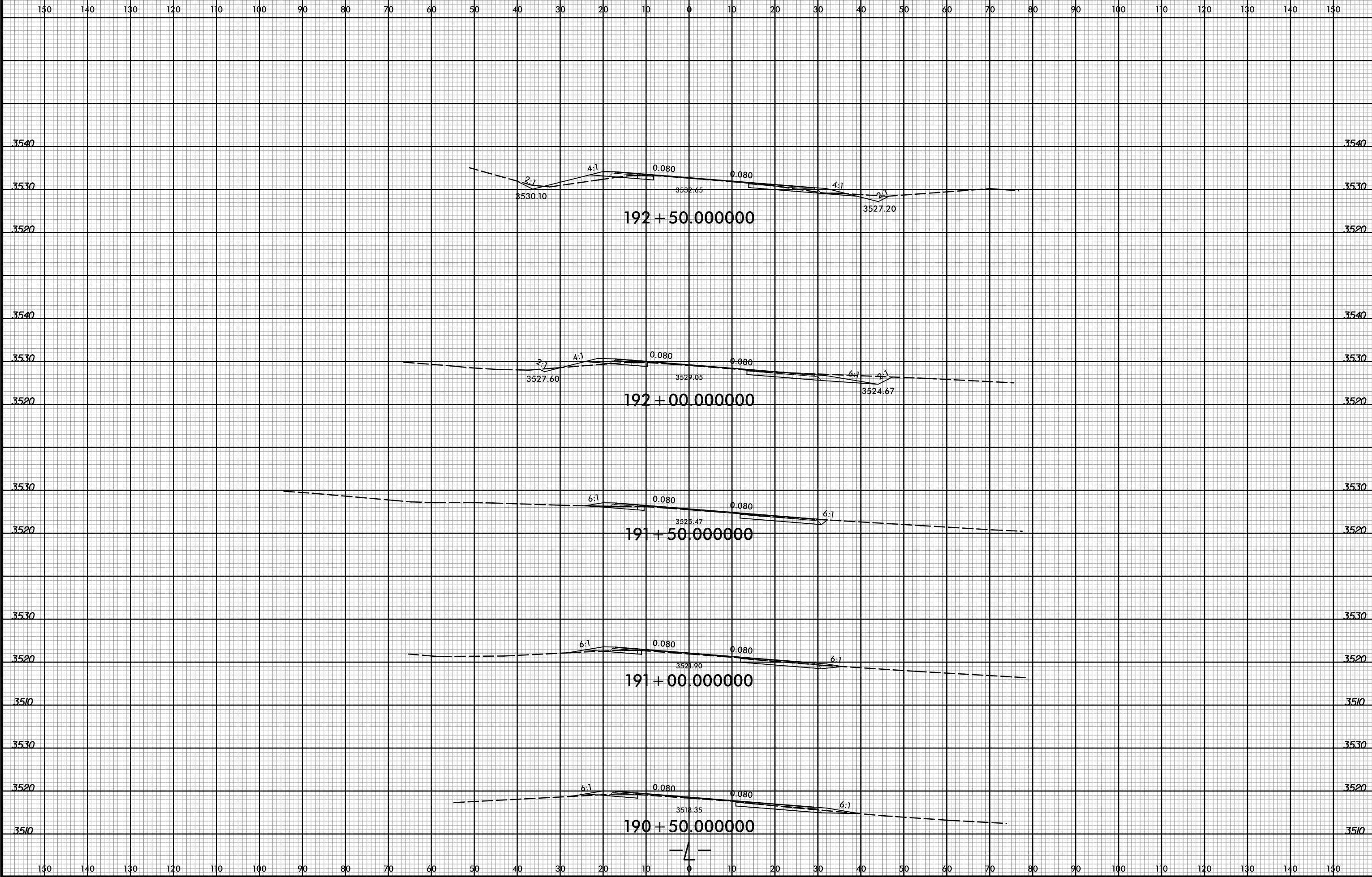
2/17/2016 3:09:42 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

8/23/99

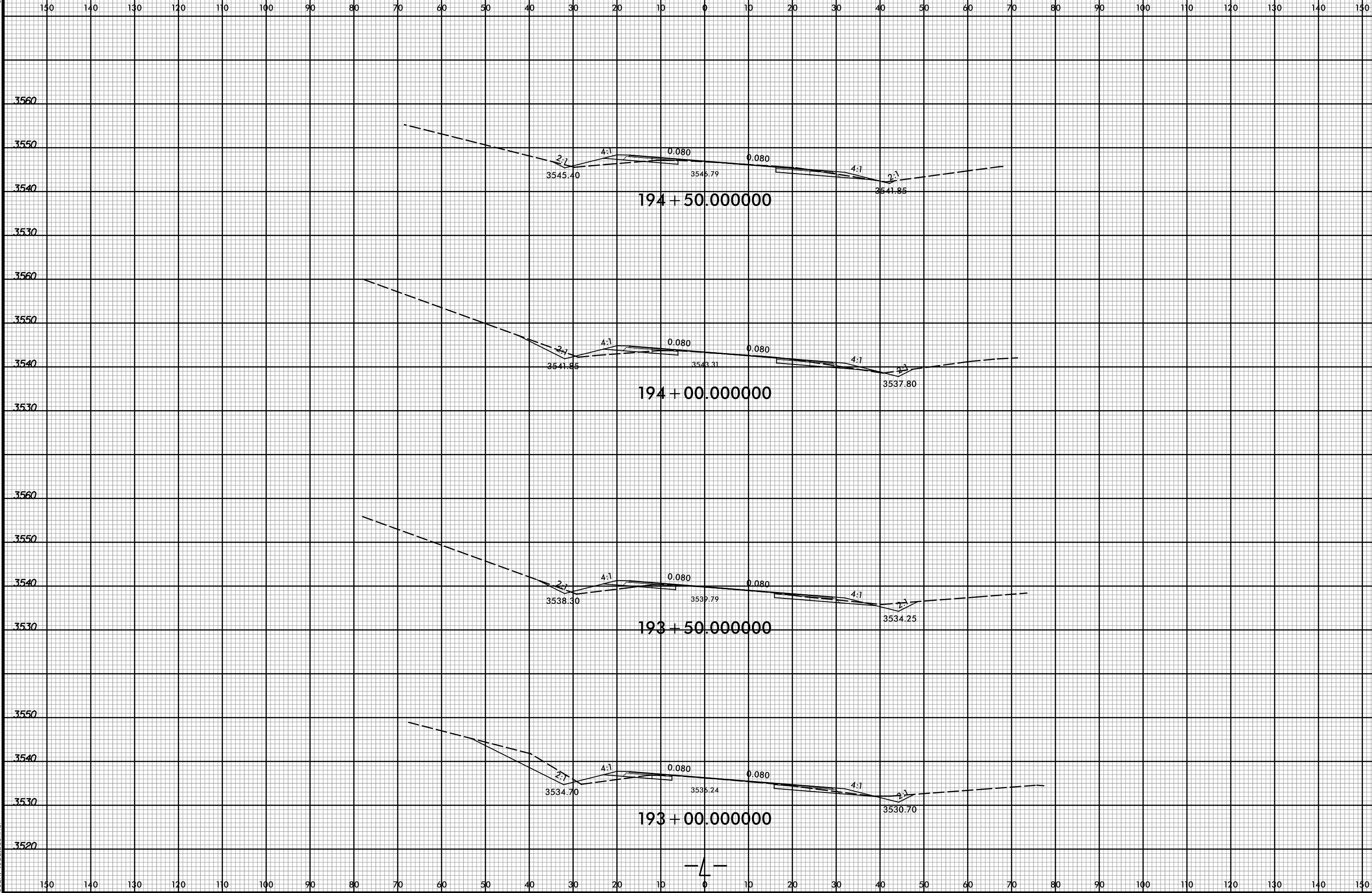


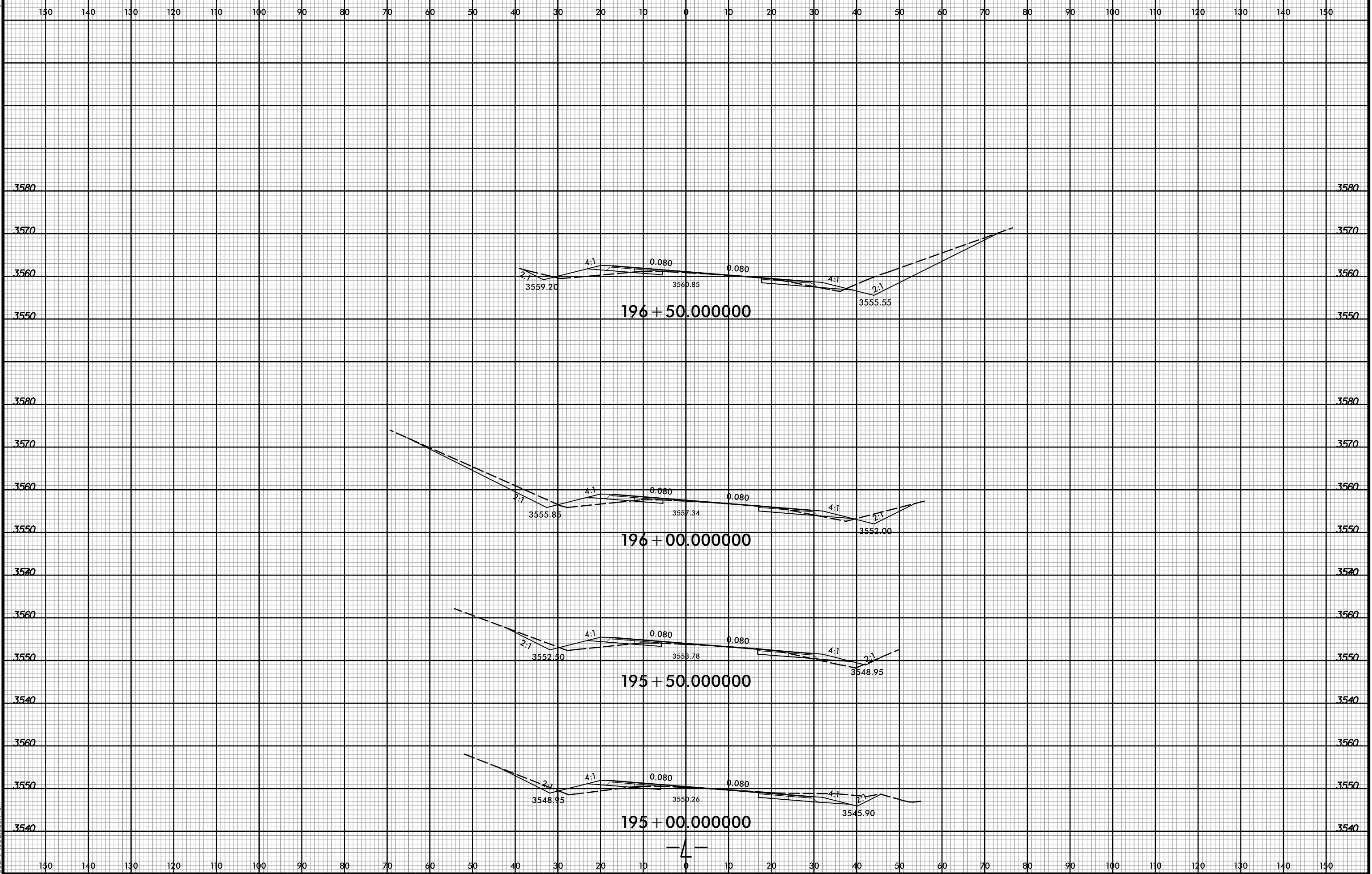
PROJ. REFERENCE NO.
R-4416

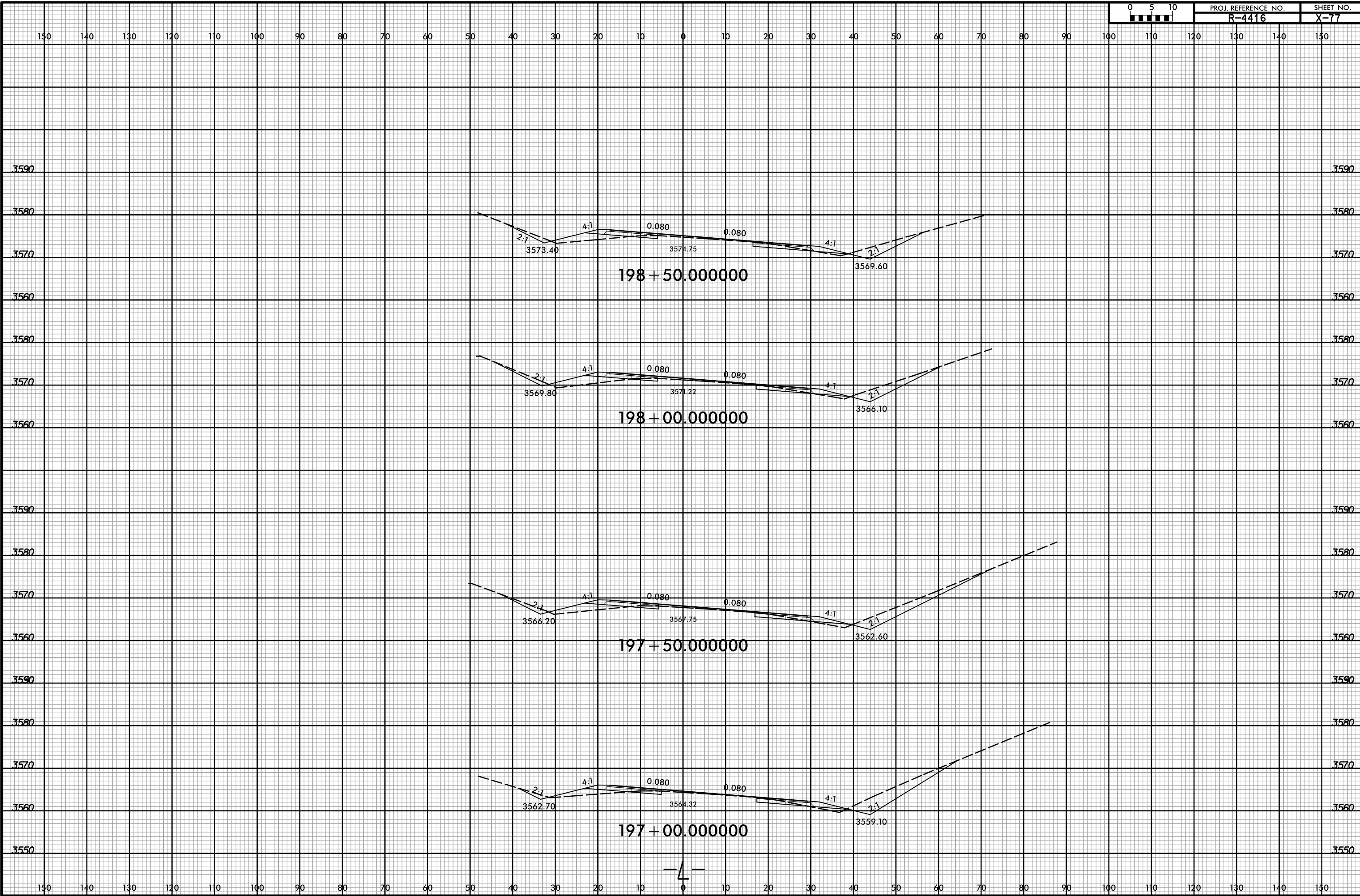
SHEET NO.
X-74

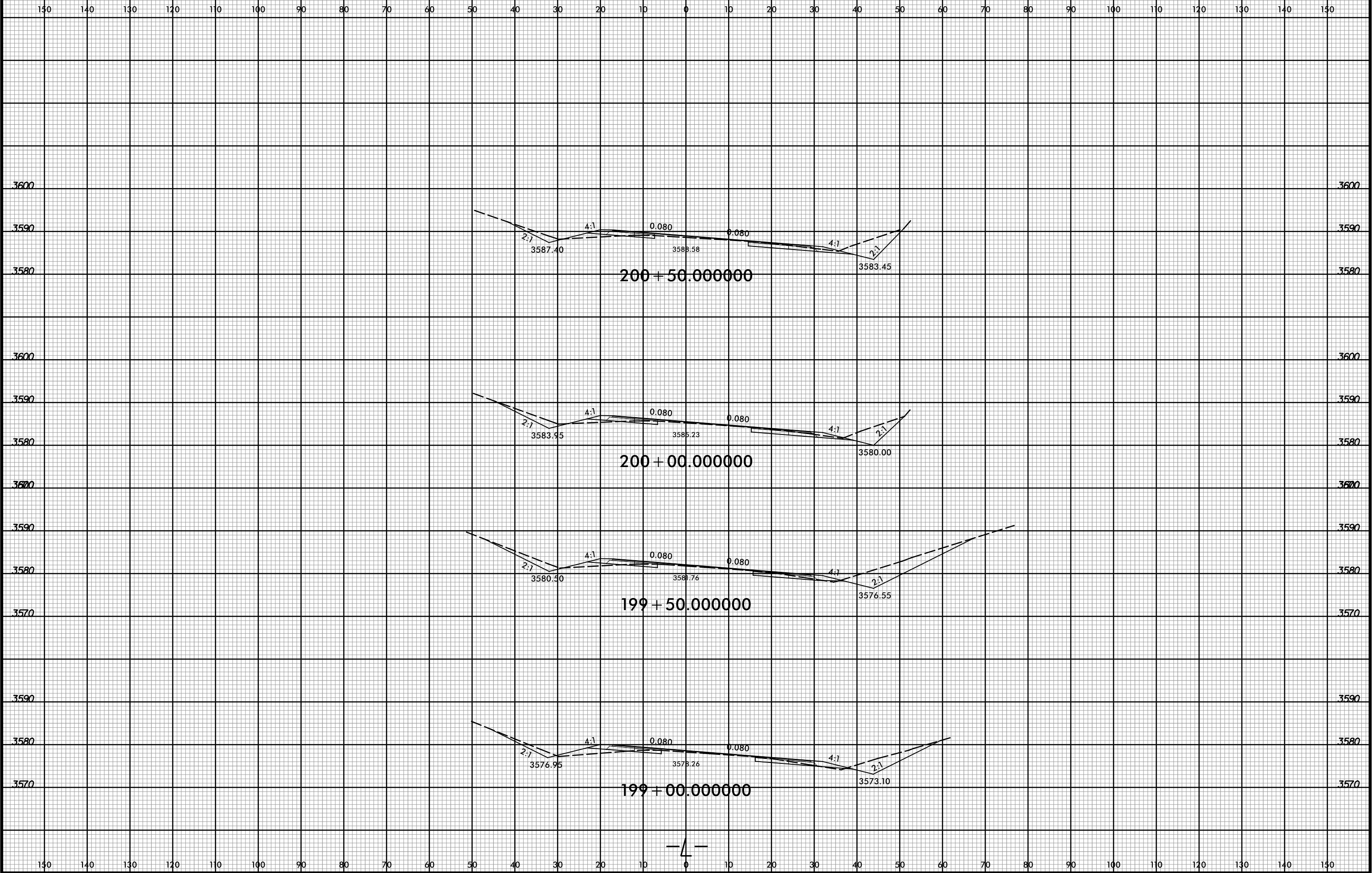


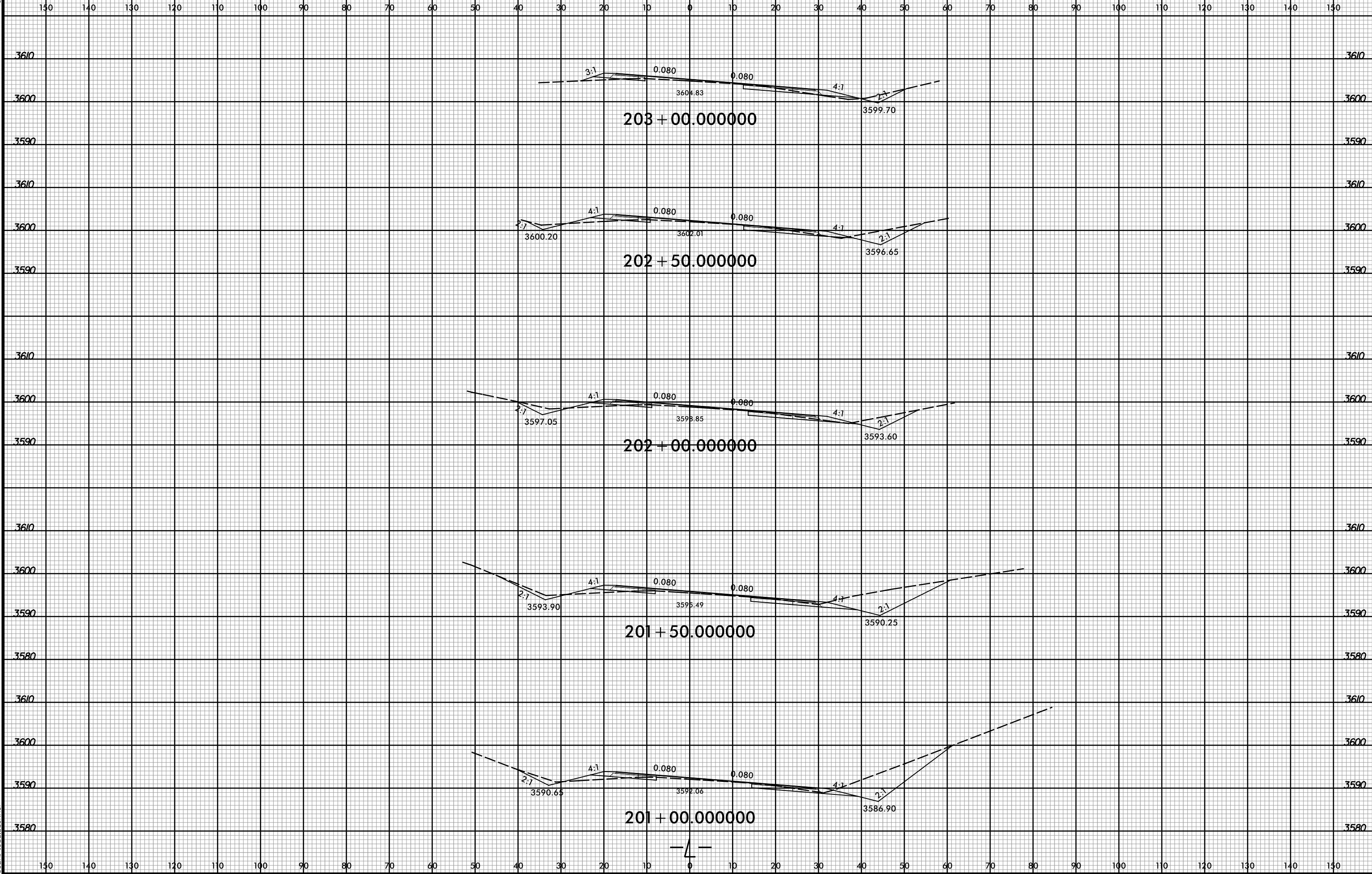
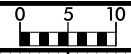
2/17/2016 3:09:42 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

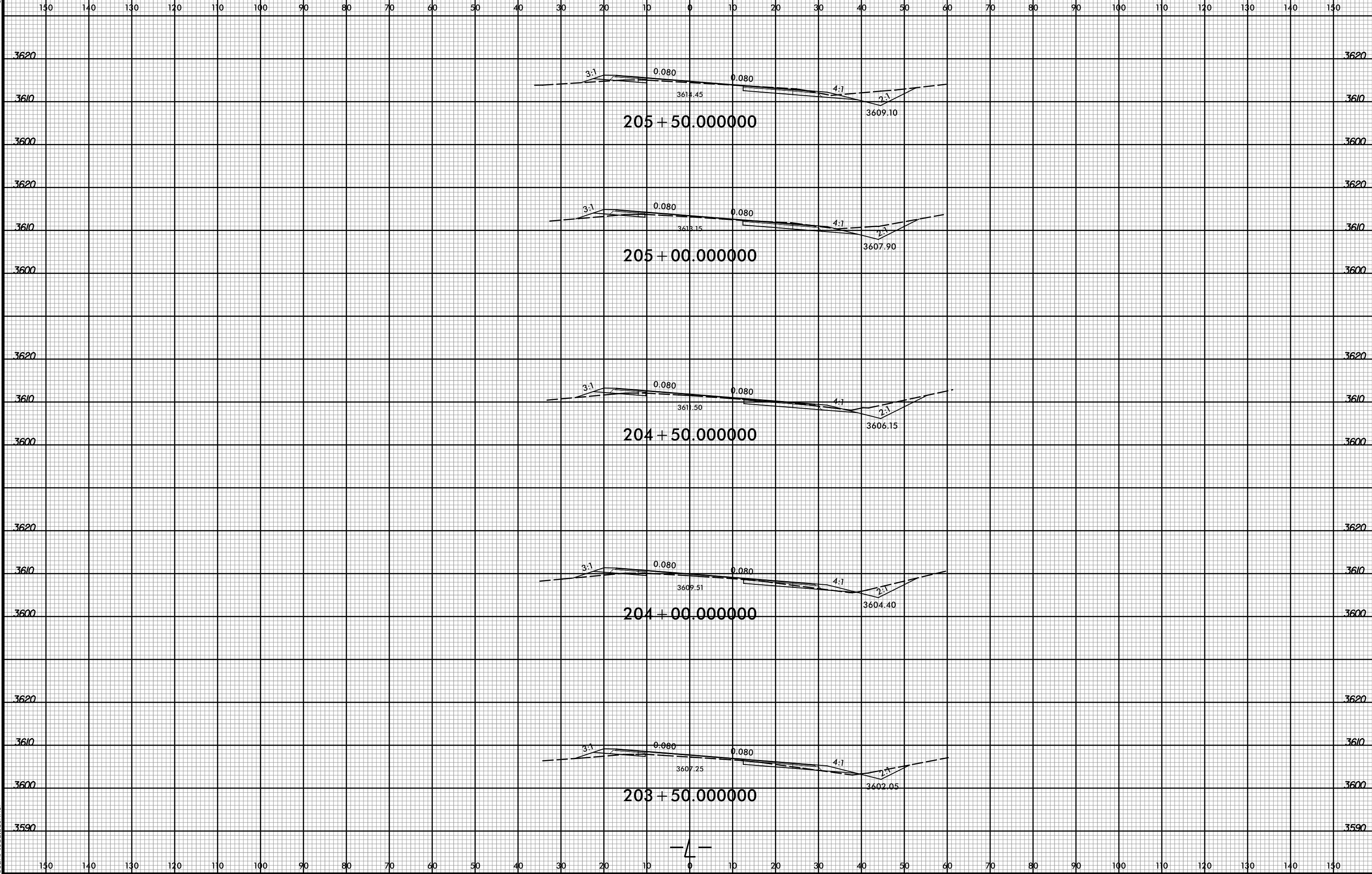




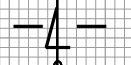


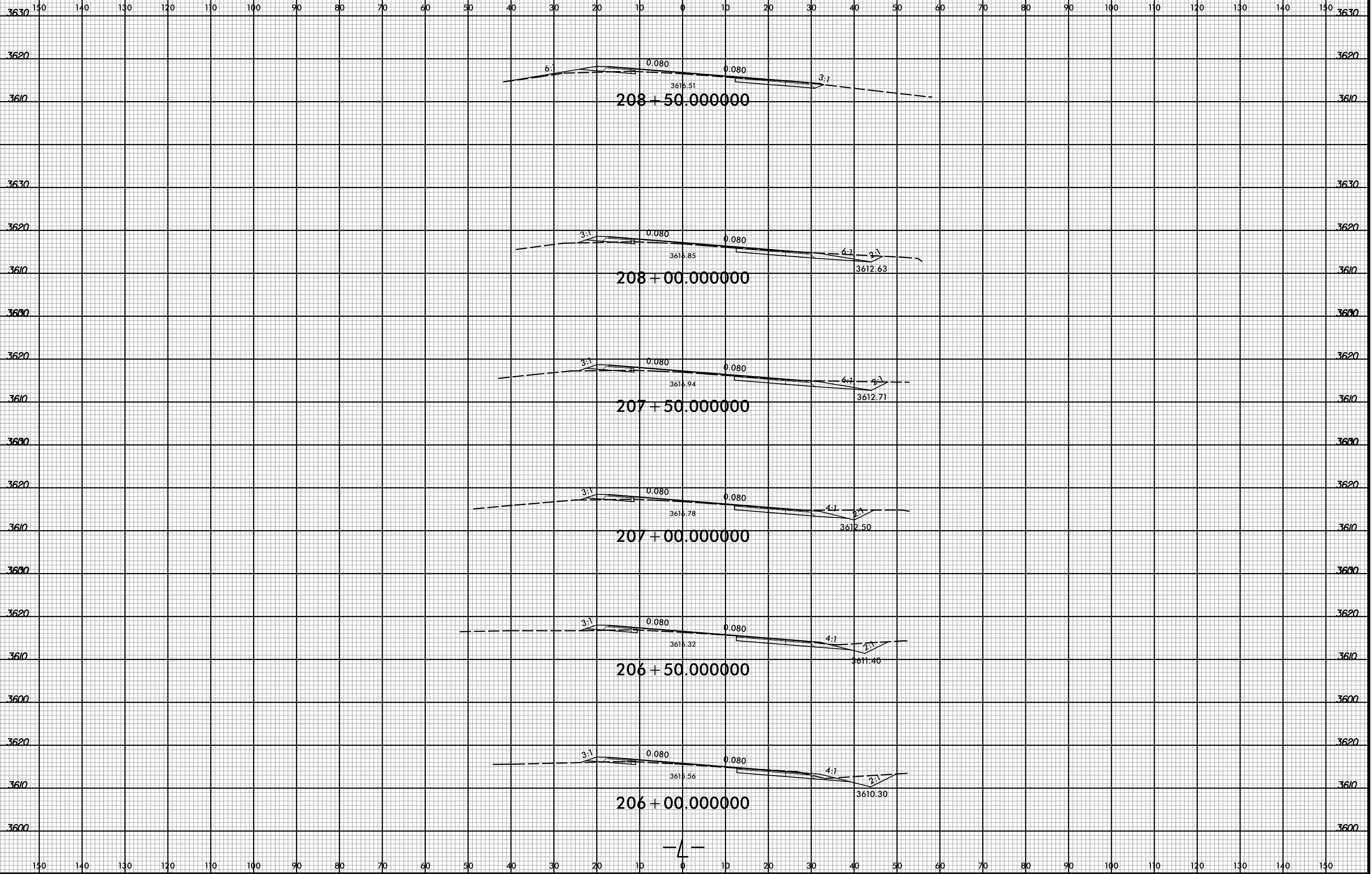




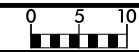


2/17/2016 3:09:45 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
USER: todd.buckner



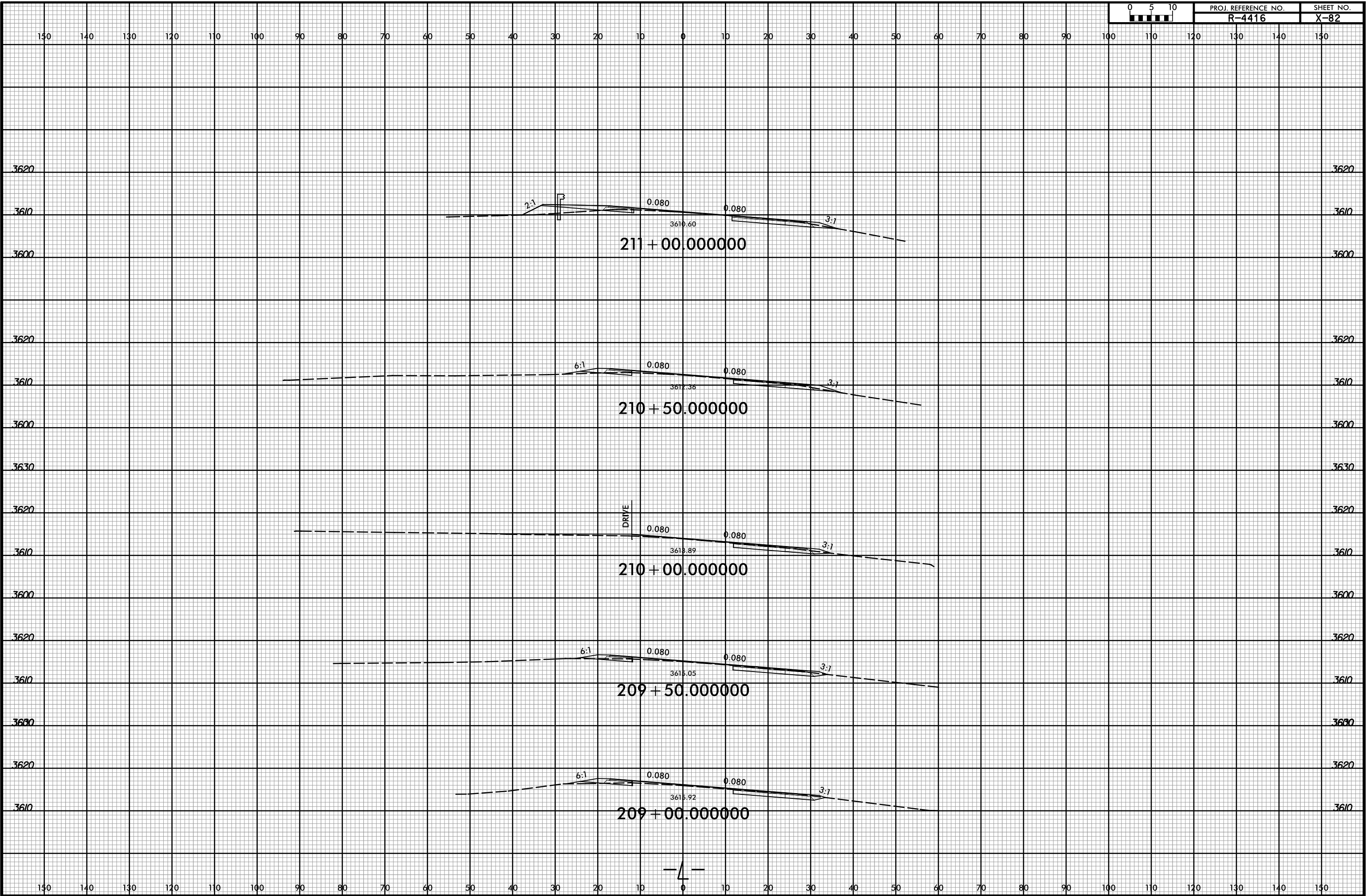


8/23/99



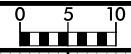
PROJ. REFERENCE NO.
R-4416

SHEET NO.
X-82



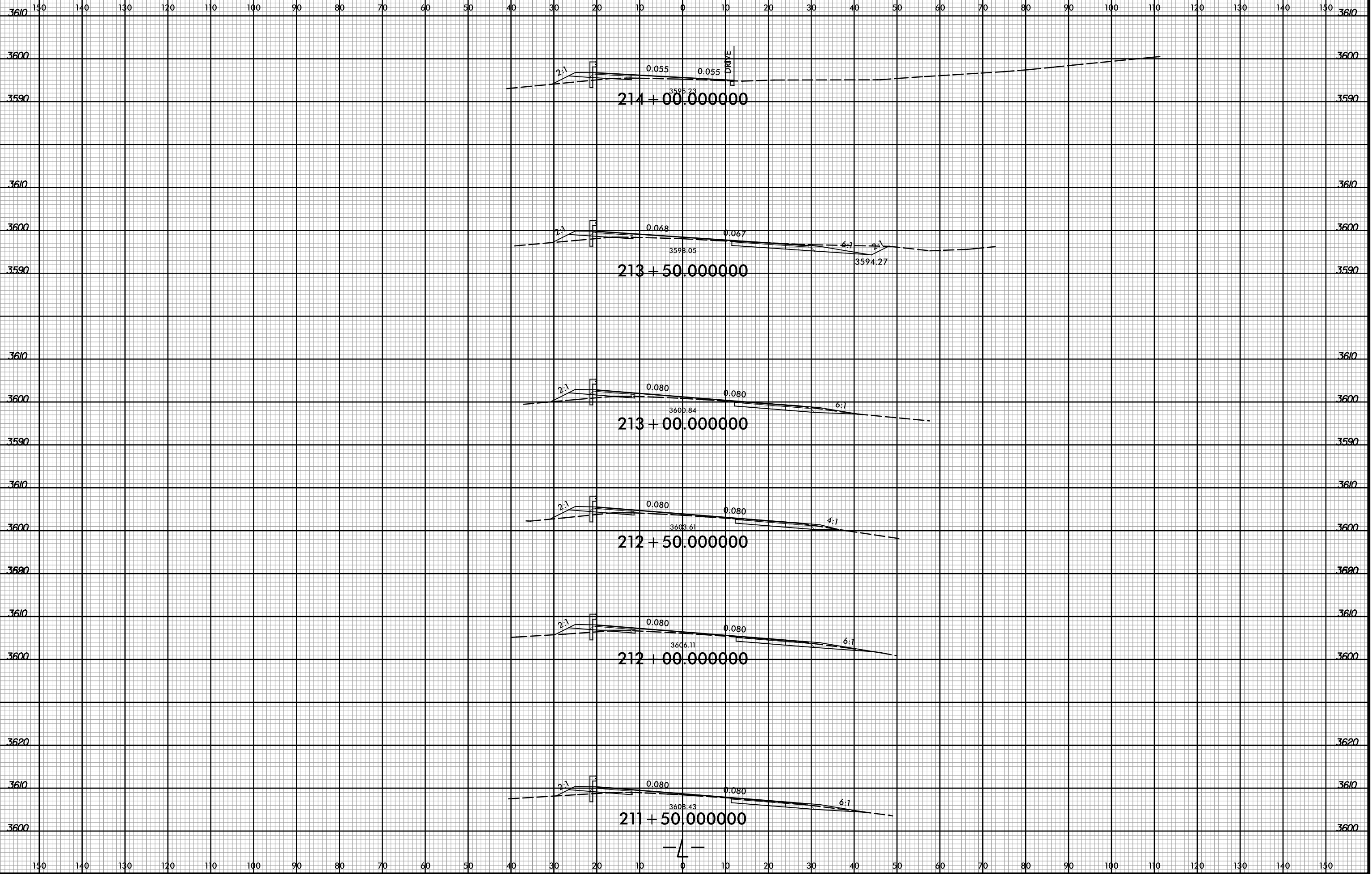
2/17/2016 3:09:46 PM
R:\Roadway\CorridorModeling\R-4416_rdy.L_XPL.dgn
User: todd.buckner

8/23/99

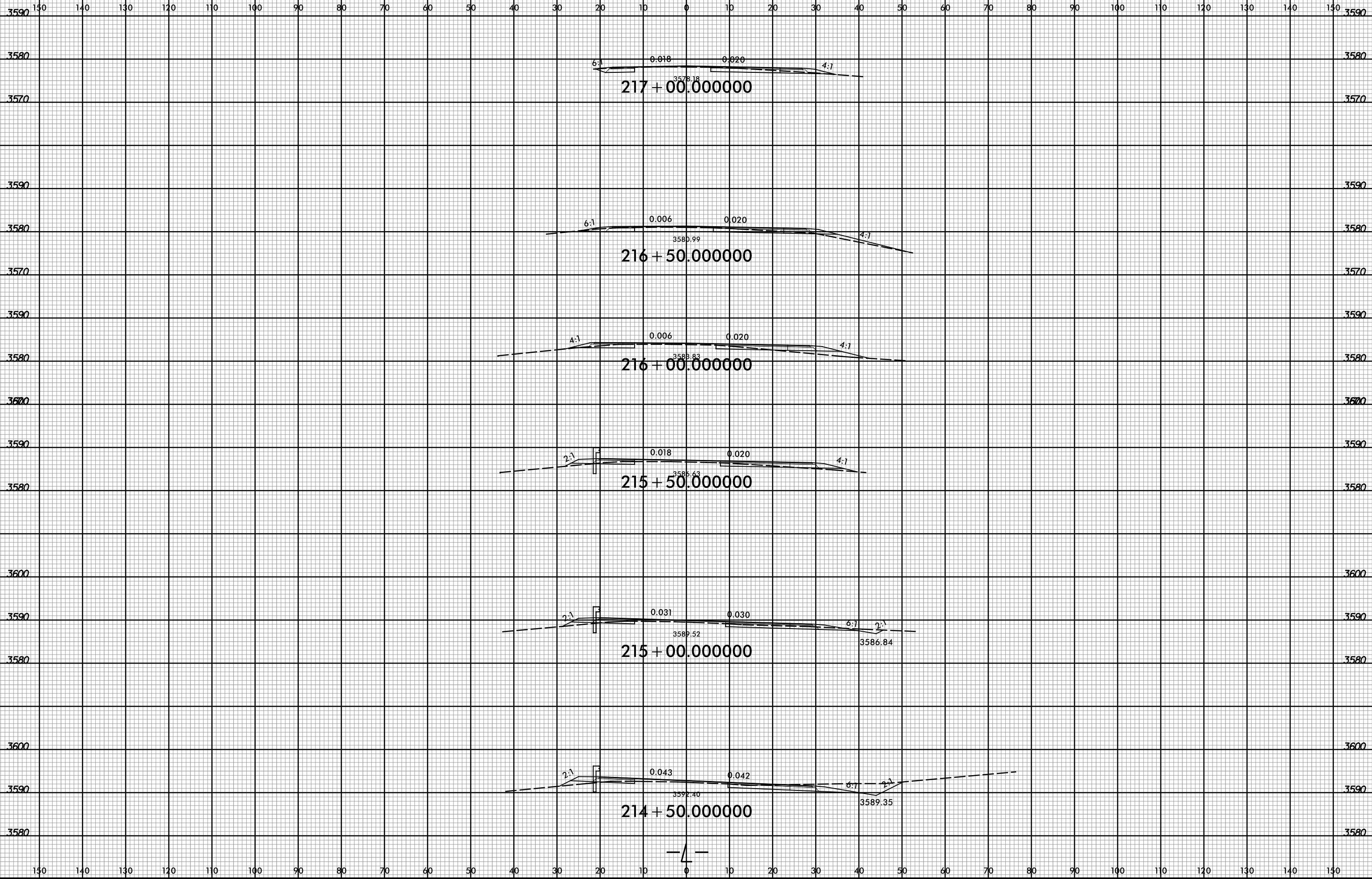


PROJ. REFERENCE NO. R-4416

SHEET NO. X-83



2/17/2016 3:09:46 PM
R:\Roadway\CorridorModeling\AR-4416_rdy.L_XPL.dgn
User: todd.buckner

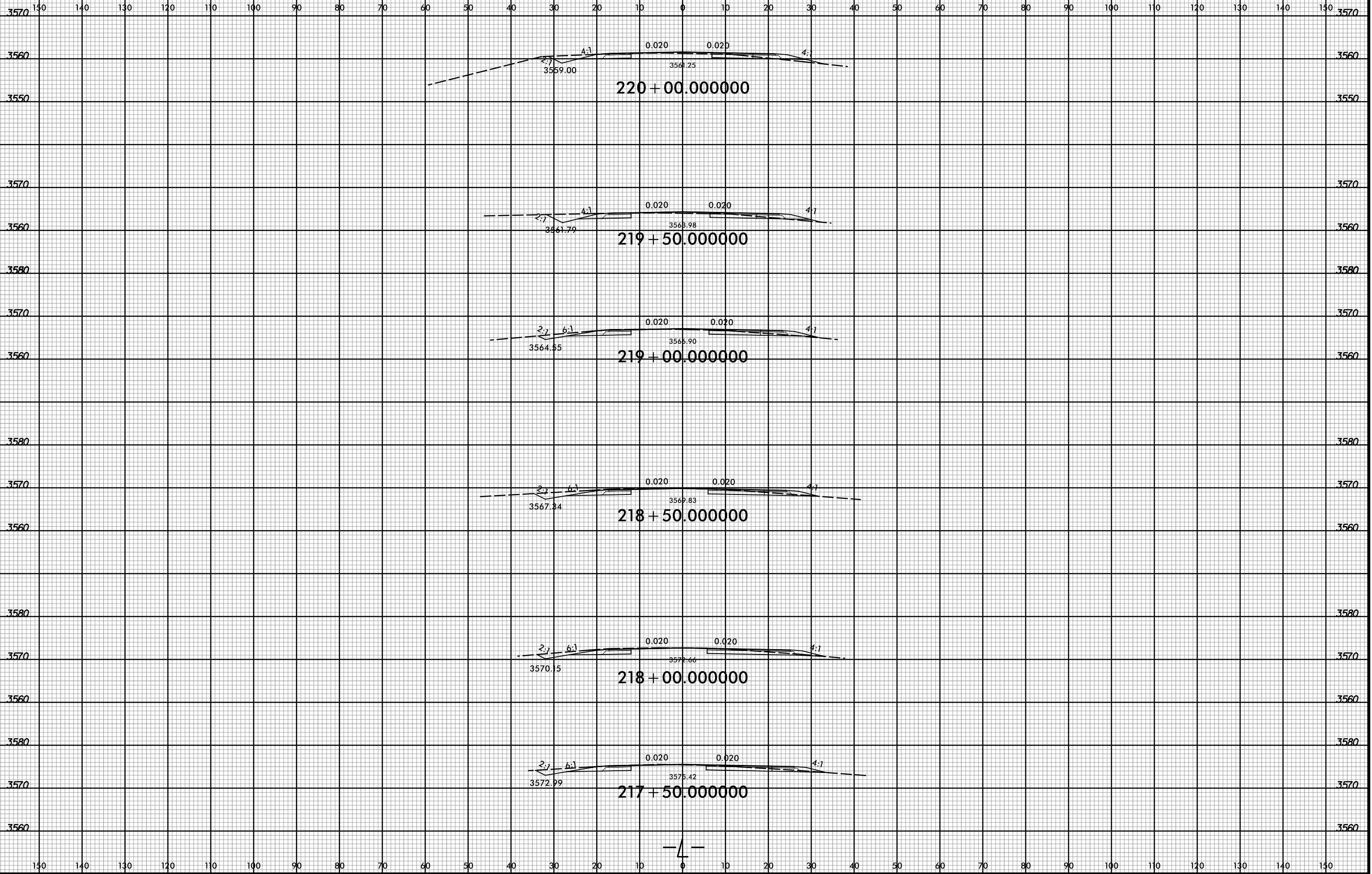


8/23/99

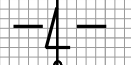


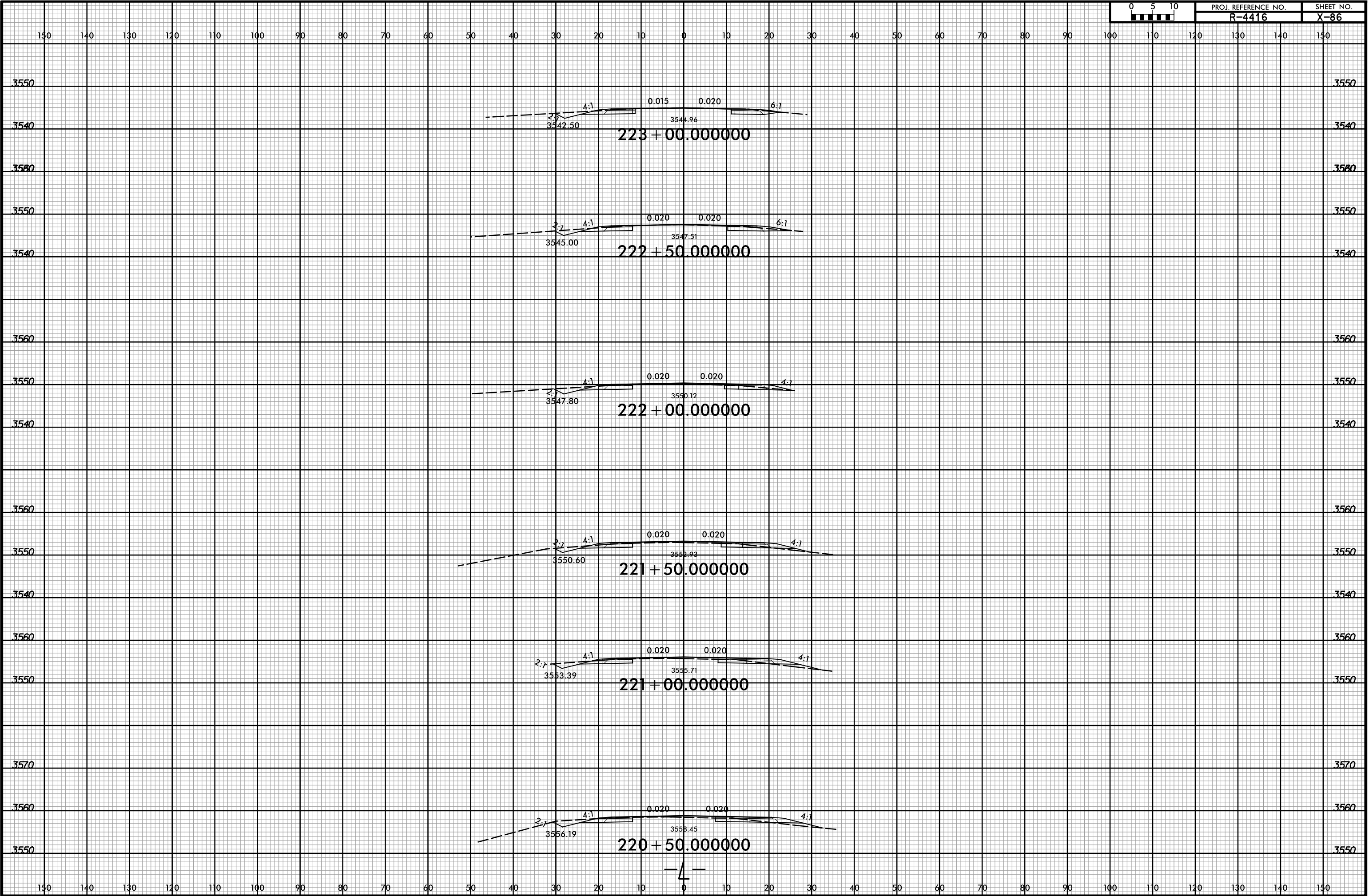
PROJ. REFERENCE NO.
R-4416

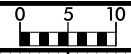
SHEET NO.
X-85



2/17/2016 3:09:47 PM
R:\Roadway\CorridorModeling\R-4416.rdy.L_XPL.dgn
USER: todd.buckner







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

3550

3550

3540

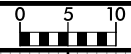
3540

3530

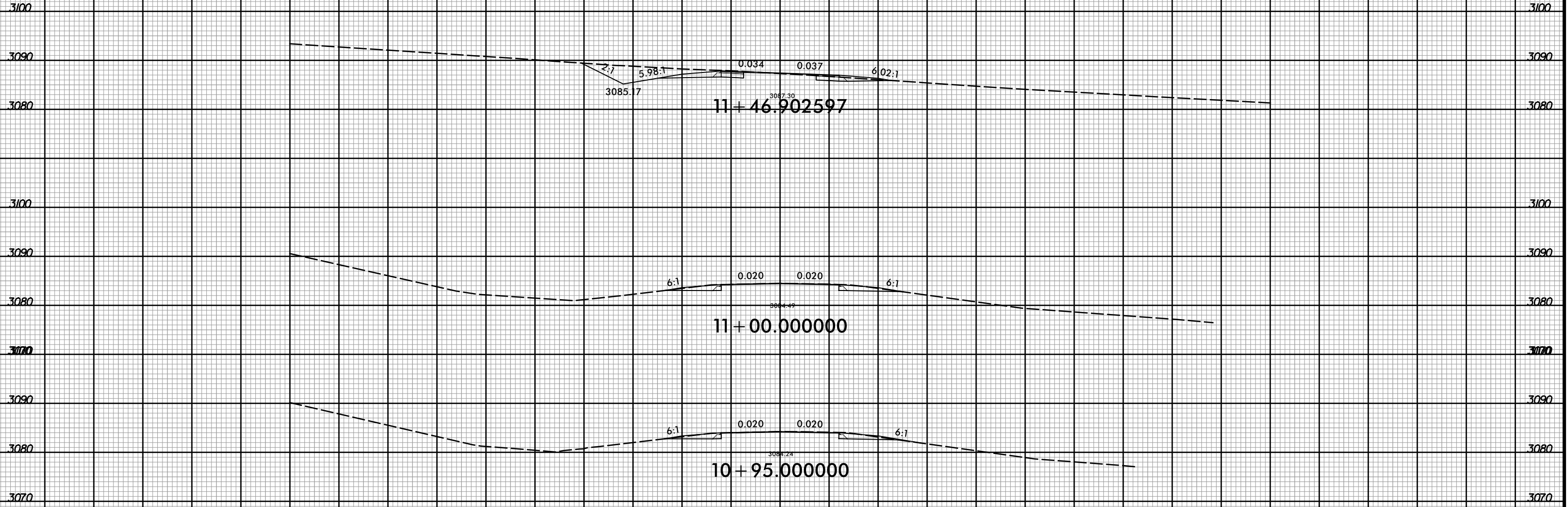
3530

223 + 20.519422

4



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



-Y/-