R:\xsc\l_ew left.log

PROJ. REFERENCE NO.	SHEET NO.
R-2904	X-1A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT

CROSS-SECTION SUMMARY

Station -L- LEFT	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
16+40.63	0	0	
16+50.00	7	0	
17+00.00	60	2	
17+50.00	43	4	
18+00.00	45	3	
18+50.00	52	3	
19+00.00	54	3	
19+50.00	53	2	
20+00.00	50	3	
20+50.00	46	2	
21+00.00	47	1	
21+50.00	32	2	
22+00.00	14	8	
22+50.00	7	17	
23+00.00	2	32	
23+50.00	1	41	
24+00.00	1	42	
24+50.00	1	39	
25+00.00	2	25	
25+50.00	12	8	
26+00.00	11	0	
27+00.00	60	0	
27+50.00	88	0	
28+00.00	39	0	
28+50.00	11	9	
29+00.00	23	14	
29+50.00	63	9	
30+00.00	94	6	
30+50.00	136	4	
31+00.00	244	2	
31+50.00	368	0	
32+00.00	417	0	
32+50.00	255	0	
33+50.00	100	37	19
34+00.00	50	104	95
34+50.00	81	84	84
35+00.00	54	52	51
35+50.00	28	38	27
36+00.00	18	19	
36+50.00	9	22	
37+00.00	25	19	
37+50.00	56	7	
38+00.00	67	3	
38+50.00	77	3	
39+00.00	96	1	
39+50.00	93	5	
40+00.00	39	5	
41+00.00	51	18	
41+50.00	121	14	
42+00.00	132	13	
42+50.00	63	8	
43+00.00	54	0	
43+50.00	35	6	

Station -L- LEFT	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
44+00.00	37	6	
44+50.00	116	0	
45+00.00	177	1	
45+50.00	100	2	

Station -L- LEFT	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
45+50.00	0	0	
46+00.00	11	12	
46+50.00	27	11	
47+00.00	33	173	
47+50.00	19	615	
48+00.00	28	1002	
48+50.00	46	798	
49+00.00	110	237	
49+50.00	292	0	
50+00.00	594	0	
50+50.00	839	0	
51+00.00	995	0	
51+50.00	1003	0	
52+00.00	807	0	
52+50.00	495	0	
53+00.00	313	0	
53+50.00	485	0	
54+00.00	686	0	
54+50.00	604	0	
55+00.00	411	0	
55+50.00	285	0	
56+00.00	204	0	
56+50.00	246	0	
57+00.00	183	0	
57+38.87	20	0	

Station -L- MED	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
16+40.63	0	0	
16+50.00	2	2	
17+00.00	11	11	
17+50.00	11	11	
18+00.00	10	12	
18+50.00	10	12	
19+00.00	10	13	
19+50.00	9	14	
20+00.00	7	16	
20+50.00	5	20	
21+00.00	3	23	
21+50.00	3	21	
22+00.00	4	10	
22+50.00	4	2	
23+00.00	2	0	
23+50.00	1	0	

Station -L- MED	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
24+00.00	0	0	
24+50.00	0	0	
25+00.00	1	0	
25+50.00	1	0	
26+00.00	1	0	
27+00.00	1	17	
27+50.00	1	33	
28+00.00	1	32	
28+50.00	1	23	
29+00.00	1	7	
29+50.00	1	0	
30+00.00	1	0	
30+50.00	3	0	
31+00.00	6	0	
31+50.00	7	0	
32+00.00	8	0	
32+50.00	4	0	
33+00.00	6	0	
33+50.00	5	0	
34+00.00	8	0	
34+50.00	7	0	
35+00.00	6	0	
35+50.00	6	0	
36+00.00	5	0	
36+50.00	5	0	
37+00.00	7	0	
37+50.00	8	0	
38+00.00	7	0	
38+50.00	7	0	
39+00.00	6	0	
39+50.00	6	0	
40+00.00	3	0	
41+00.00	2	0	
41+50.00	2	0	
42+00.00	2	0	
42+50.00	3	0	
43+00.00	3	0	
43+50.00	4	0	
44+00.00	5	0	
44+50.00	8	1	
45+00.00	10	5	
45+50.00	9	12	

Station -L- MED	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
45+50.00	0	0	
46+00.00	7	15	
46+50.00	8	13	

Station -L- RIGHT	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
16+40.63	0	0	
16+50.00	2	4	

Station -L- RIGHT	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
17+00.00	13	26	
17+50.00	11	10	
18+00.00	9	7	
18+50.00	7	11	
19+00.00	9	17	
19+50.00	10	21	
20+00.00	6	30	
20+50.00	2	45	
21+00.00	0	67	
21+50.00	0	81	
22+00.00	0	91	
22+50.00	0	112	
23+00.00	0	131	
23+50.00	0	138	
24+00.00	0	140	
24+50.00	0	130	
25+00.00	0	147	
25+50.00	0	172	
26+00.00	0	136	
26+50.00	0	98	
27+00.00	0	76	
27+50.00	0	85	
28+00.00	0	84	
28+50.00	0	66	
29+00.00	0	63	
29+50.00	5	58	
30+00.00	10	58	
30+50.00	5	56	
31+00.00	4	42	
31+50.00	6	104	
32+00.00	3	198	
32+50.00	2	285	
33+50.00	3	749	
34+00.00	1	385	
34+50.00	1	412	
35+00.00	1	478	
35+50.00	0	409	
36+00.00	1	243	
36+50.00	0	141	
37+00.00	0	114	
37+50.00	1	136	
38+00.00	0	158	
38+50.00	0	144	
39+00.00	0	140	
39+50.00	0	135	
40+00.00	0	66	
41+00.00	0	376	
41+50.00	0	396	
42+00.00	0	603	
42+50.00	0	788	
43+00.00	1	802	
43+50.00	1	428	
44+00.00	3	41	

R:\xsc\l_ew left.log

PROJ. REFERENCE NO.	SHEET NO.
R-2904	X-1B

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT

CROSS-SECTION SUMMARY

Station -L- RIGHT	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
44+50.00	6	83	
45+00.00	5	171	
45+50.00	3	304	

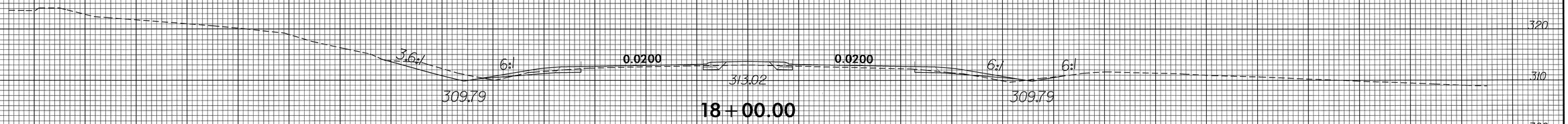
Station -L- RIGHT	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)	Undercut (cu.yd.)
45+50.00	0	0	
46+00.00	2	574	
46+50.00	1	985	
47+00.00	5	1474	
47+50.00	10	1919	
48+00.00	16	1614	
48+50.00	30	570	
49+00.00	52	423	
49+50.00	78	416	
50+00.00	117	49	
50+50.00	224	41	
51+00.00	331	0	
51+50.00	433	0	
52+00.00	481	0	
52+50.00	402	8	
53+00.00	347	8	
53+50.00	483	0	
54+00.00	558	0	
54+50.00	612	0	
55+00.00	599	0	
55+50.00	556	0	
56+00.00	332	0	
56+50.00	162	0	
57+00.00	131	1	
57+38.87	42	0	

8/23/99

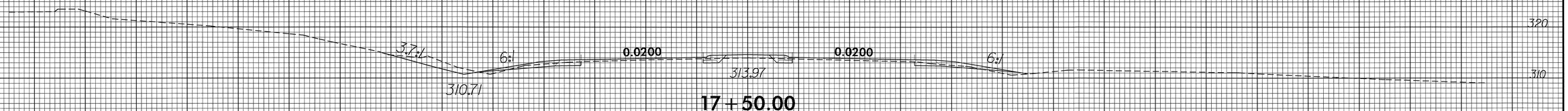
0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-1

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

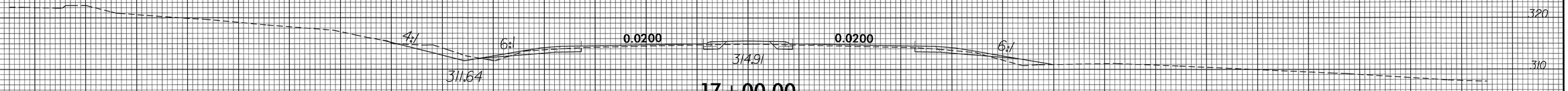
330 320 310 300



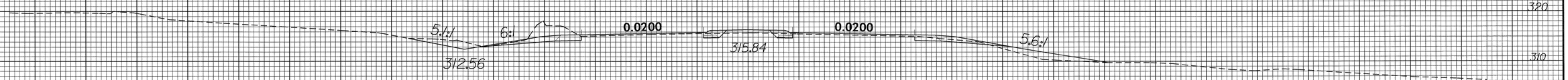
18+00.00



17+50.00



17+00.00



16+50.00

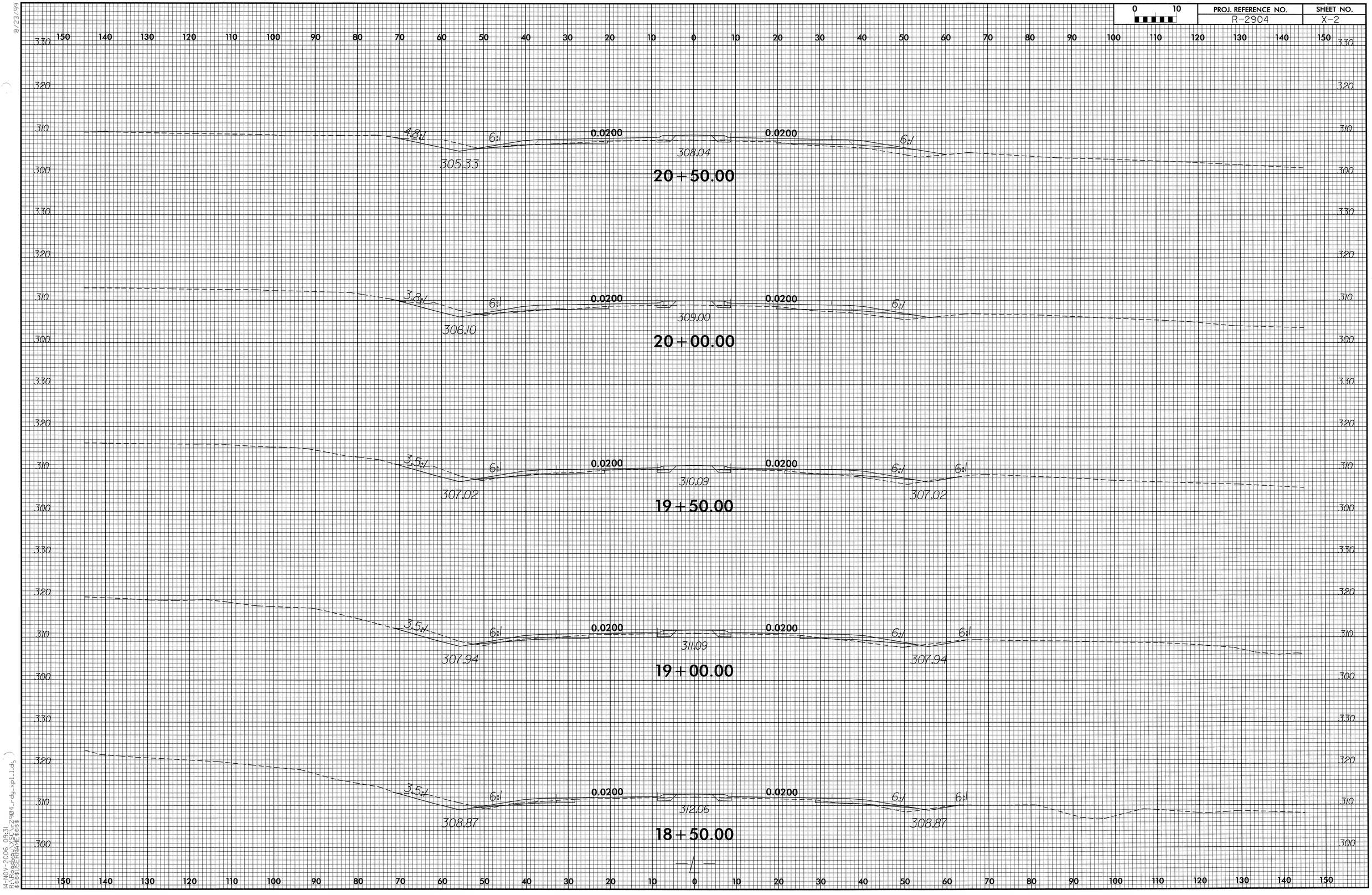
Note: "Quantities are approximate only. The Resident Engineer will re-cross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid."

BEGIN STATE PROJECT R-2904 -L- STA 16+40.63

14-NOV-2006 10:07
R2904_rdy_xpl_l.dgn
$$$$USERNAME$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-2

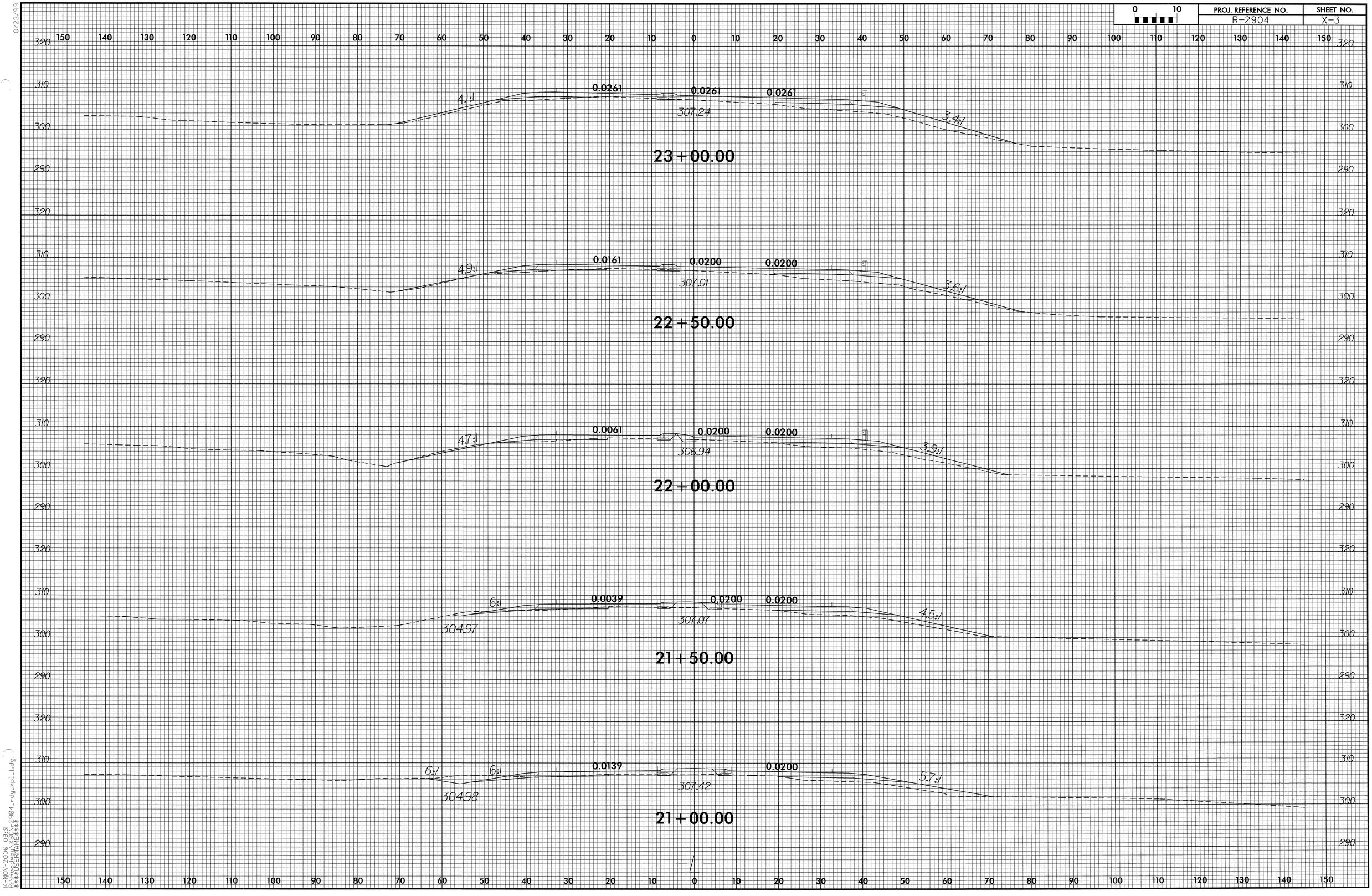


14-NOV-2006 09:31
R:\Projects\r2904\r2904_rdy_xpl_l1.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l1 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-3



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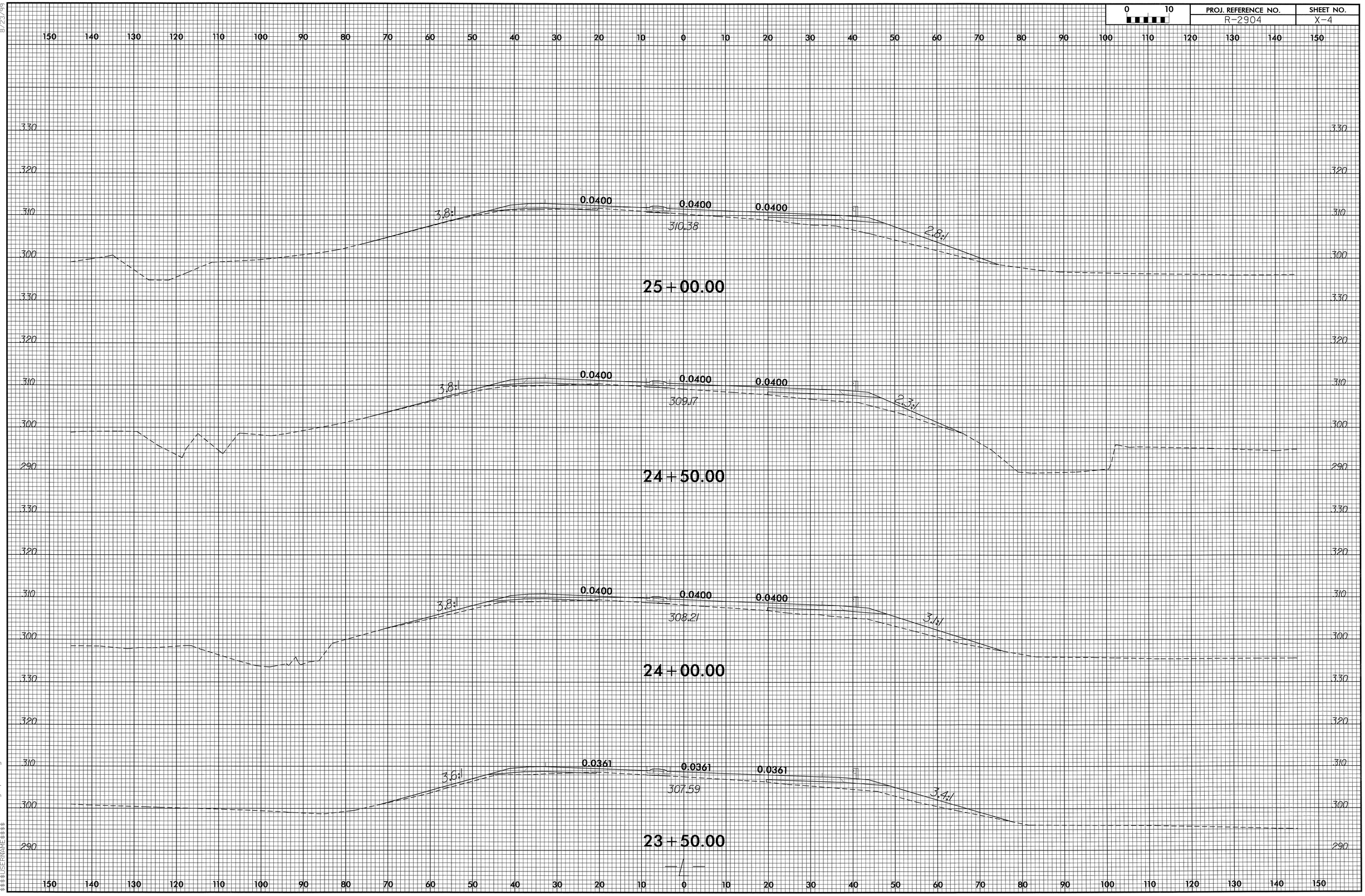
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l2 gsblell RD-Oce34

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-4



8/23/99

14-NOV-2006 09:31
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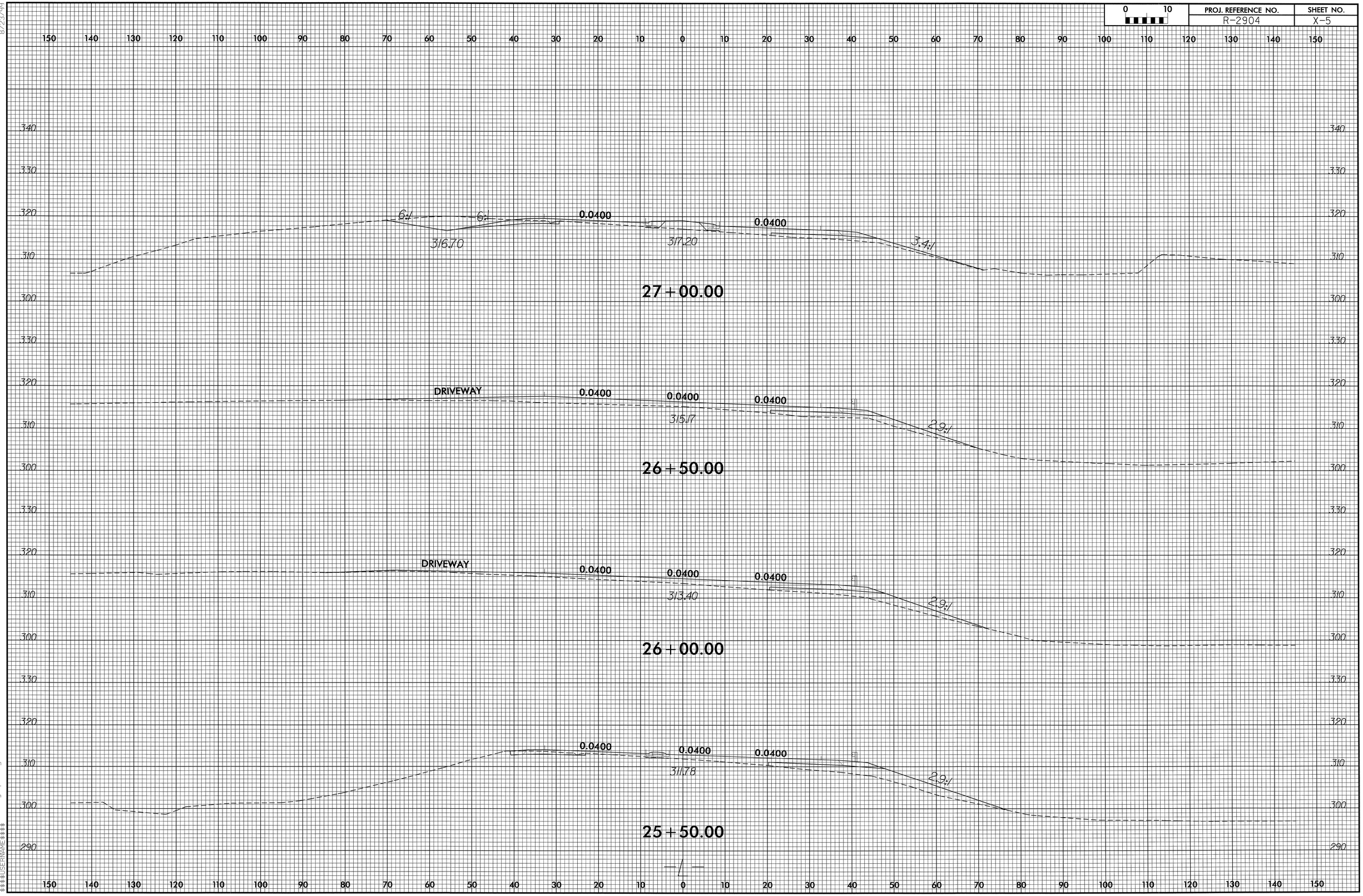
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l3 gsblell RD-Oce34

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-5



8/23/99

14-NOV-2006 09:31
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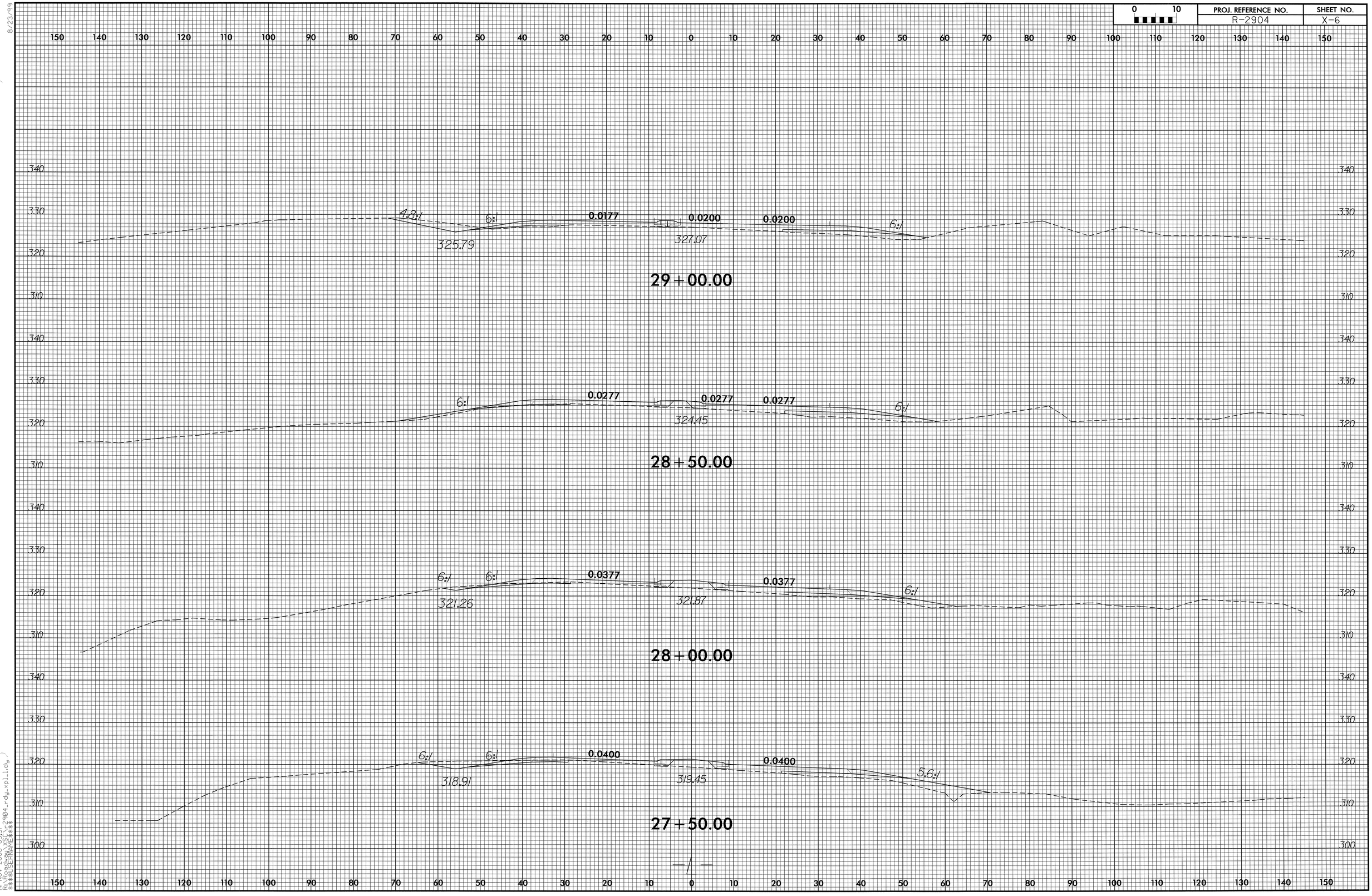
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l4 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-6



14-NOV-2006 09:31
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$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l5 gsblell RD-Oce34

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-7

8/23/99

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

350 340 330 320 310

3:1 6:1 0.0200 0.0200 0.0200 6:1 6:1

333.05 336.07 332.87

31+00.00

350 340 330 320

2:1 6:1 0.0123 0.0200 0.0200 6:1

331.66 334.24

30+50.00

350 340 330 320

2.3:1 6:1 0.0023 0.0200 0.0200 6:1 6:1

330.01 332.09 329.41

30+00.00

350 340 330 320

3.4:1 6:1 0.0077 0.0200 0.0200 6:1 5:1

328.04 329.64 327.13

29+50.00

310

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

14-NOV-2006 09:31
R:\Roadway\SCR\r2904_rdy_xpl_l6.dgn
$$$$USERNAME$$$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-8

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

360 350 340 330 320 310

DRIVEWAY 0.0200 0.0200 0.0200 0.0200 DRIVEWAY

339.44

33+00.00

5.3:1 6:1 0.0200 0.0200 0.0200 0.0200 4.5:1

336.00 339.16

32+50.00

3:1 6:1 0.0200 0.0200 0.0200 4.3:1

335.34 338.56

32+00.00

3:1 6:1 0.0200 0.0200 0.0200 BUS STOP GRADING 2:1

334.36 337.53

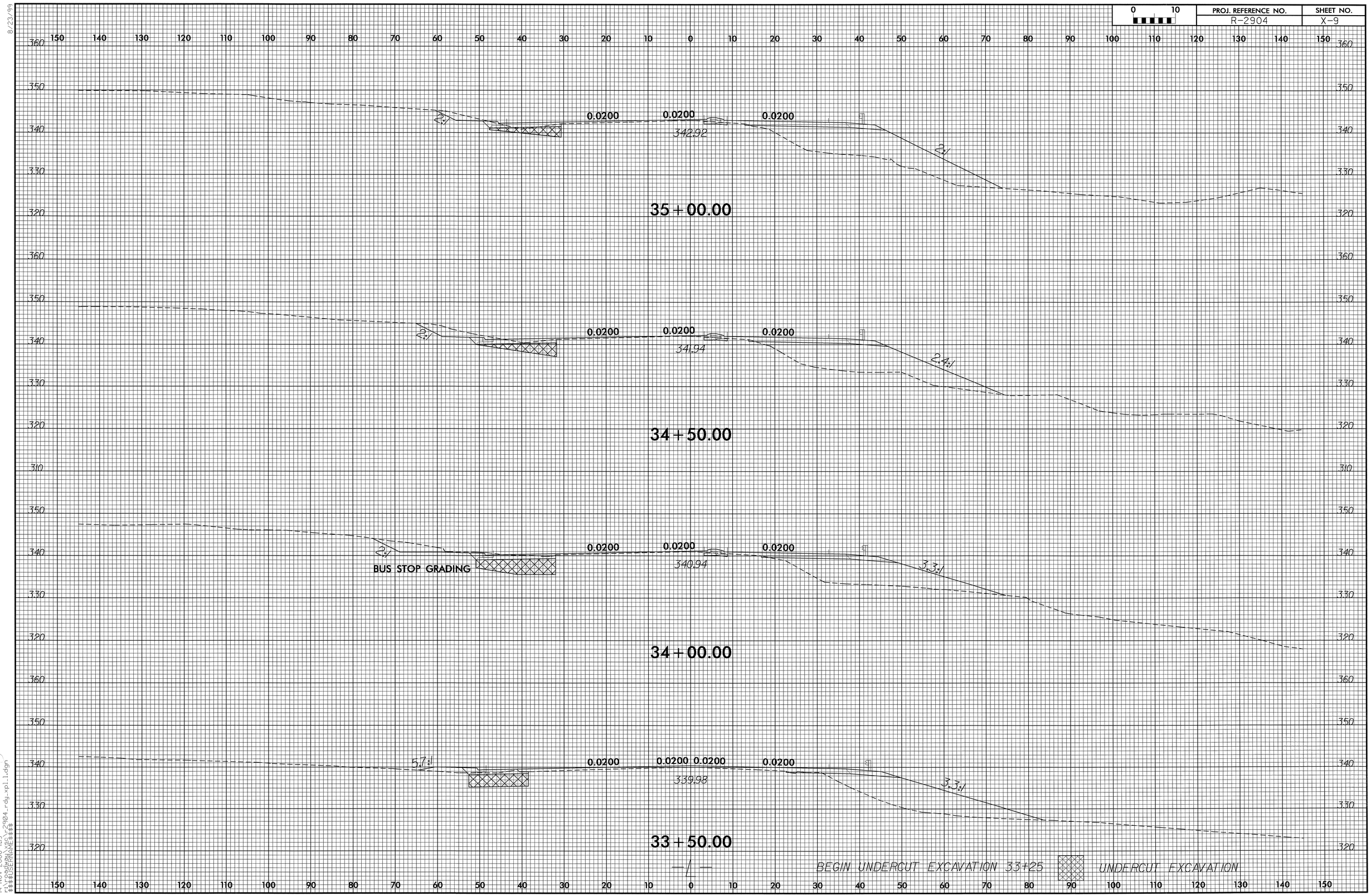
31+50.00

14-NOV-2006 09:31
R:\Roadway\XSR\r2904_rdy_xpl_l1.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l7 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-9



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RD223228 11/14/2006 r2904_rdy_xpl_1 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	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

370 360 350 340 330

3:1 0.0200 0.0200 0.0200 5:1

348.10

37+00.00

360 350 340 330

3:1 0.0200 0.0200 0.0200 0.0200 5:1

346.28

36+50.00

360 350 340 330

2:1 0.0200 0.0200 0.0200 5:1

345.02

36+00.00

END UNDERCUT EXCAVATION 35+75

360 350 340 330

2:1 0.0200 0.0200 0.0200 4.2:1

343.94

35+50.00

320

UNDERCUT EXCAVATION

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

14-NOV-2006 11:19
$$$$USERNAME$$$$ c:\projects\r2904_rdy_xpl_1.dgn

RD223228 11/14/2006 r2904_rdy_xpl_1 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-11

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

380 370 360 350 340

3:1 0.0200 0.0200 0.0200 3.9:1

357.33

39+00.00

370 360 350 340

3:1 0.0200 0.0200 0.0200 4.2:1

354.98

38+50.00

370 360 350 340

3:1 0.0200 0.0200 0.0200 4.2:1

352.49

38+00.00

370 360 350 340

3:1 0.0200 0.0200 0.0200 4.2:1

350.18

37+50.00

330

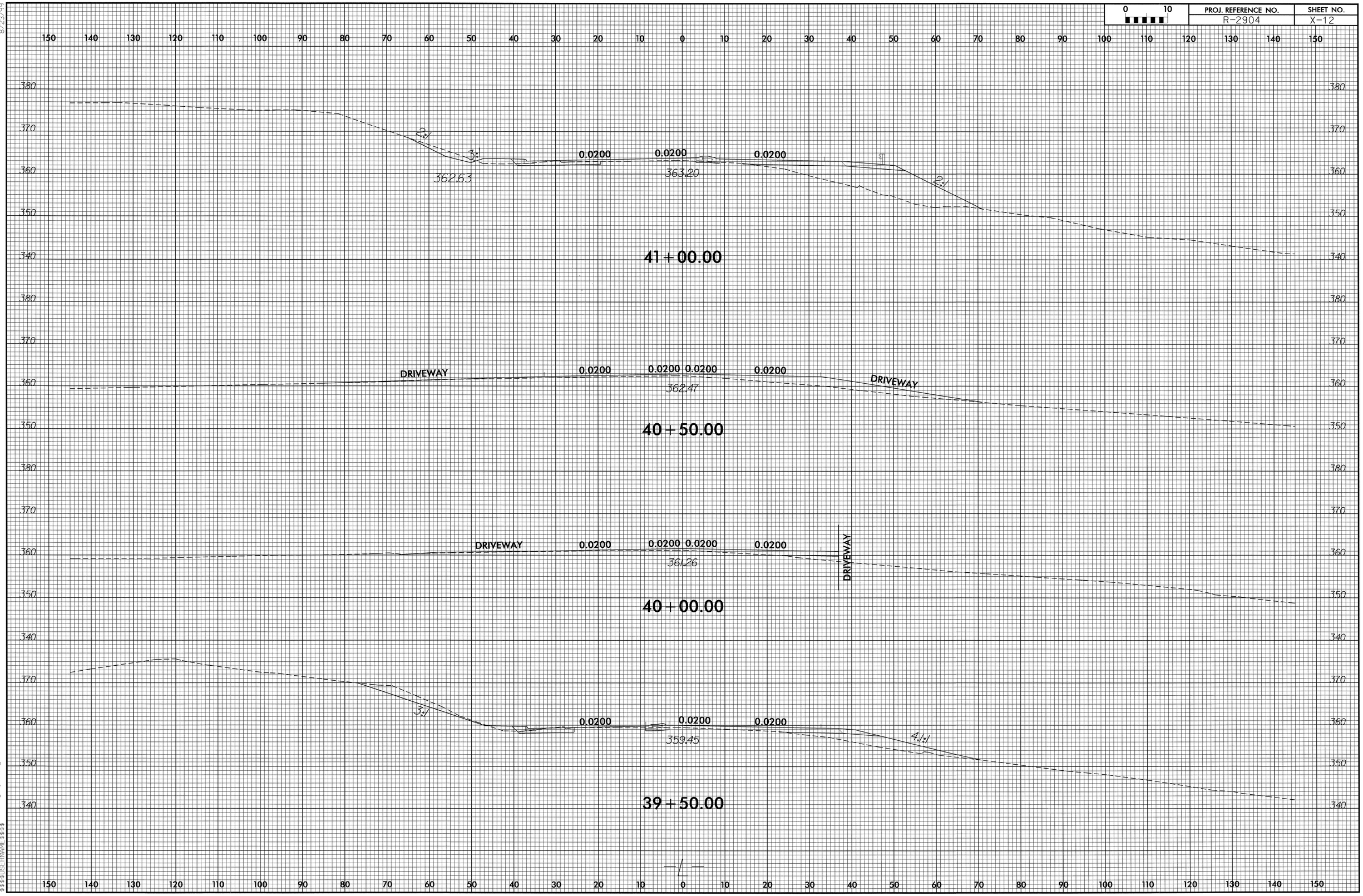
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

14-NOV-2006 09:31
R:\Roadway\r2904_rdy_xpl_l1.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l10 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-12



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RD223228 11/14/2006 r2904_rdy_xpl_l11 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-13

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

390 380 370 360 350 340

2:1 0.0200 0.0200 0.0200 2:1

364.59

42 + 50.00

390 380 370 360 350 340

2:1 2:1 0.0200 0.0200 0.0200 2:1

363.38 364.09

42 + 00.00

380 370 360 350 340

2:1 3:1 0.0200 0.0200 0.0200 2:1

362.49 363.68

41 + 50.00

330

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

14-NOV-2006 09:31
R:\Roadway\SGS\r2904_rdy_xpl_l12.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l12 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-14

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

390 380 370 360 350 340

0.0200 0.0200 0.0200

366.43

DRIVEWAY

44+00.00

2:1

0.0200 0.0200 0.0200

365.69

DRIVEWAY

43+50.00

2:1

0.0200 0.0200 0.0200

365.11

2:1

43+00.00

14-NOV-2006 09:31
R:\Roadway\XSCV-r2904_rdy_xpl_l1.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l13 gsblell RD-Oce34

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-15

8/23/99

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

390 380 370 360 350 340

0.0200 0.0200

2.67%

367.54

2%

45+50.00

390 380 370 360 350 340

0.0200 0.0200

5%

367.36

2.6%

45+00.00

390 380 370 360 350 340

0.0200 0.0200 0.0200

2.33%

367.00

3.4%

44+50.00

330

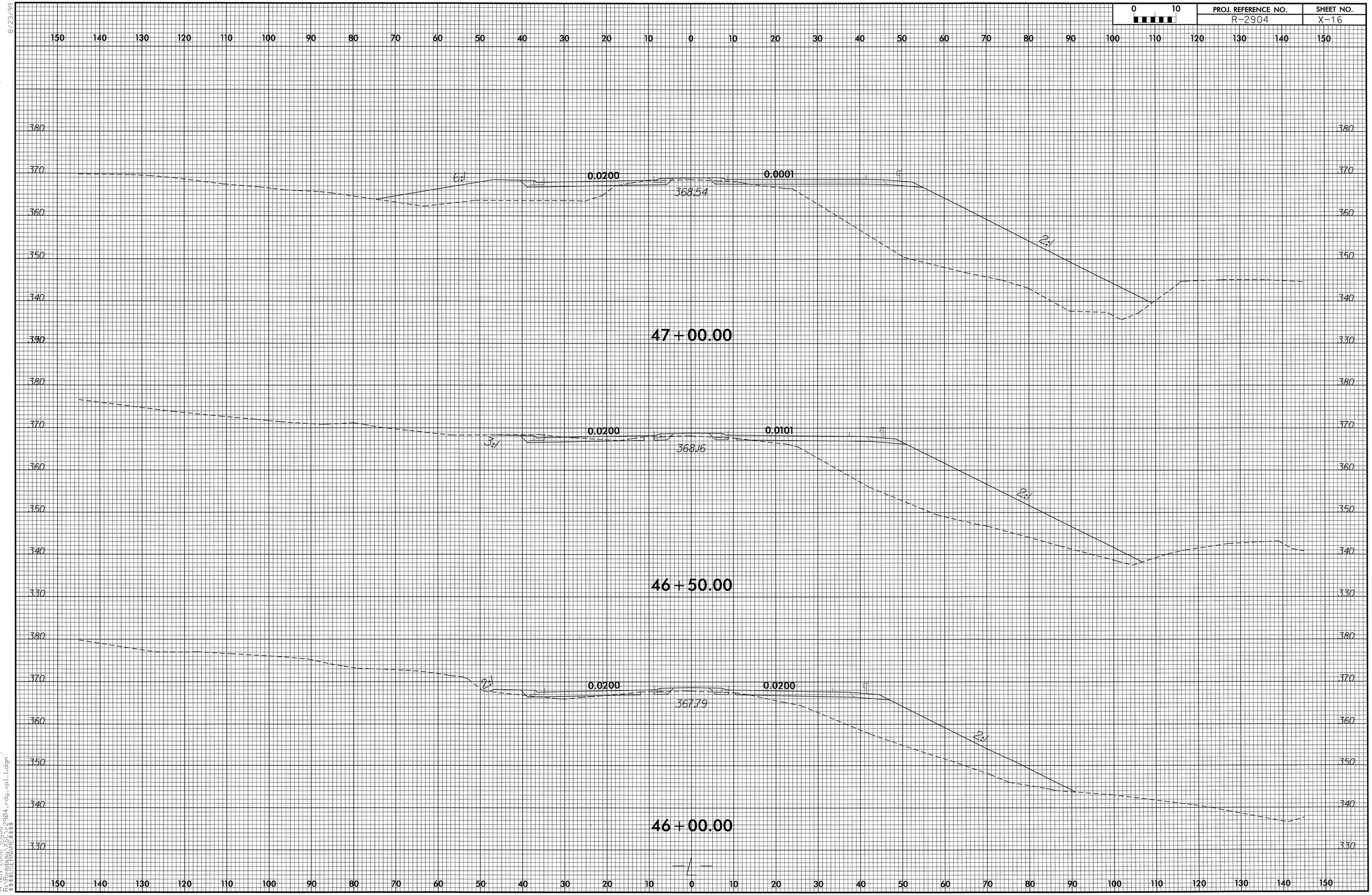
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

14-NOV-2006 09:31
R:\Roadway\XSE\r2904_rdy_xpl_l.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l14 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-16

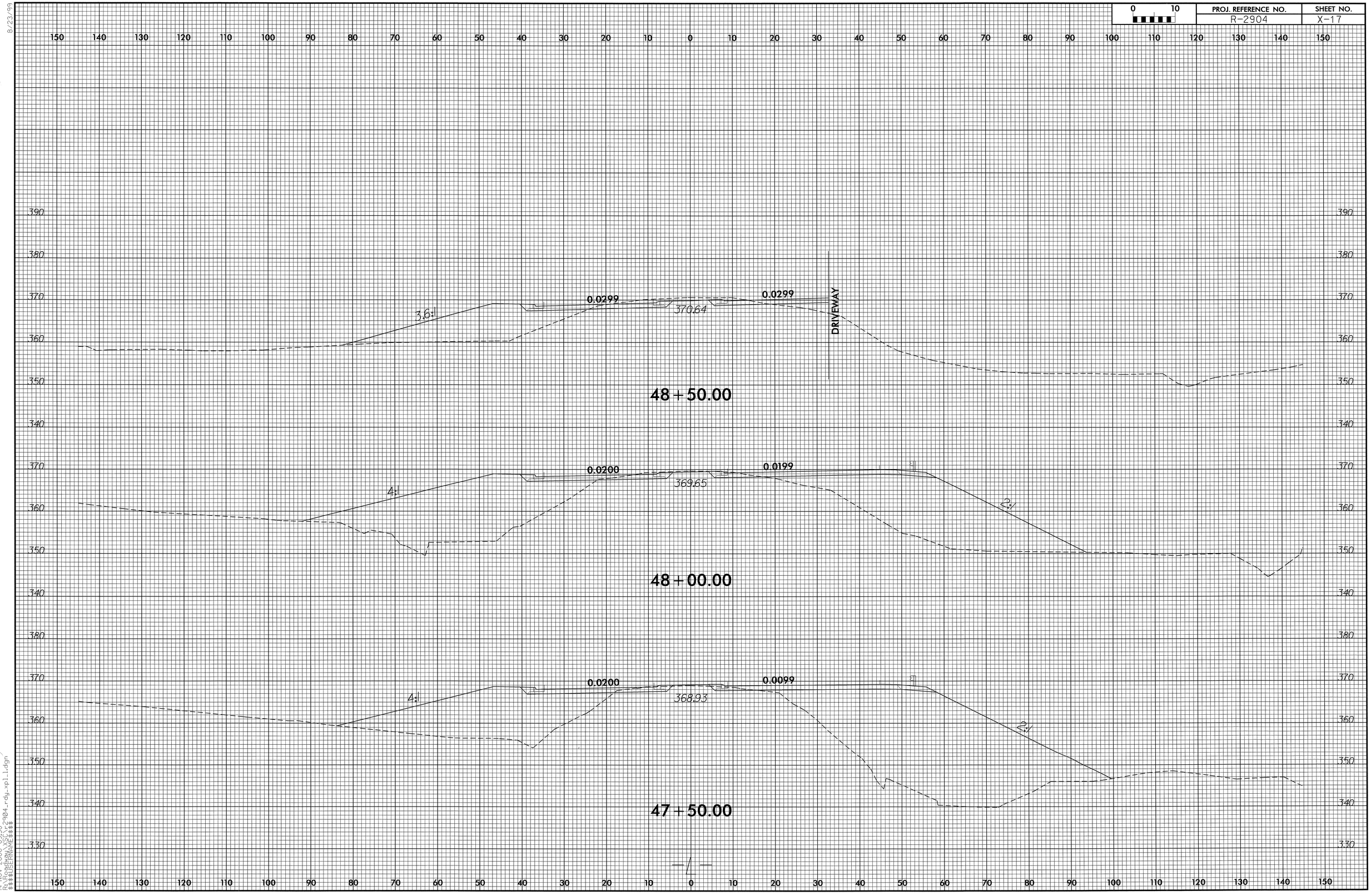


14-NOV-2006 09:30
R:\Roadway\XSEC\r2904_rdy_xpl_l1.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l15 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-17

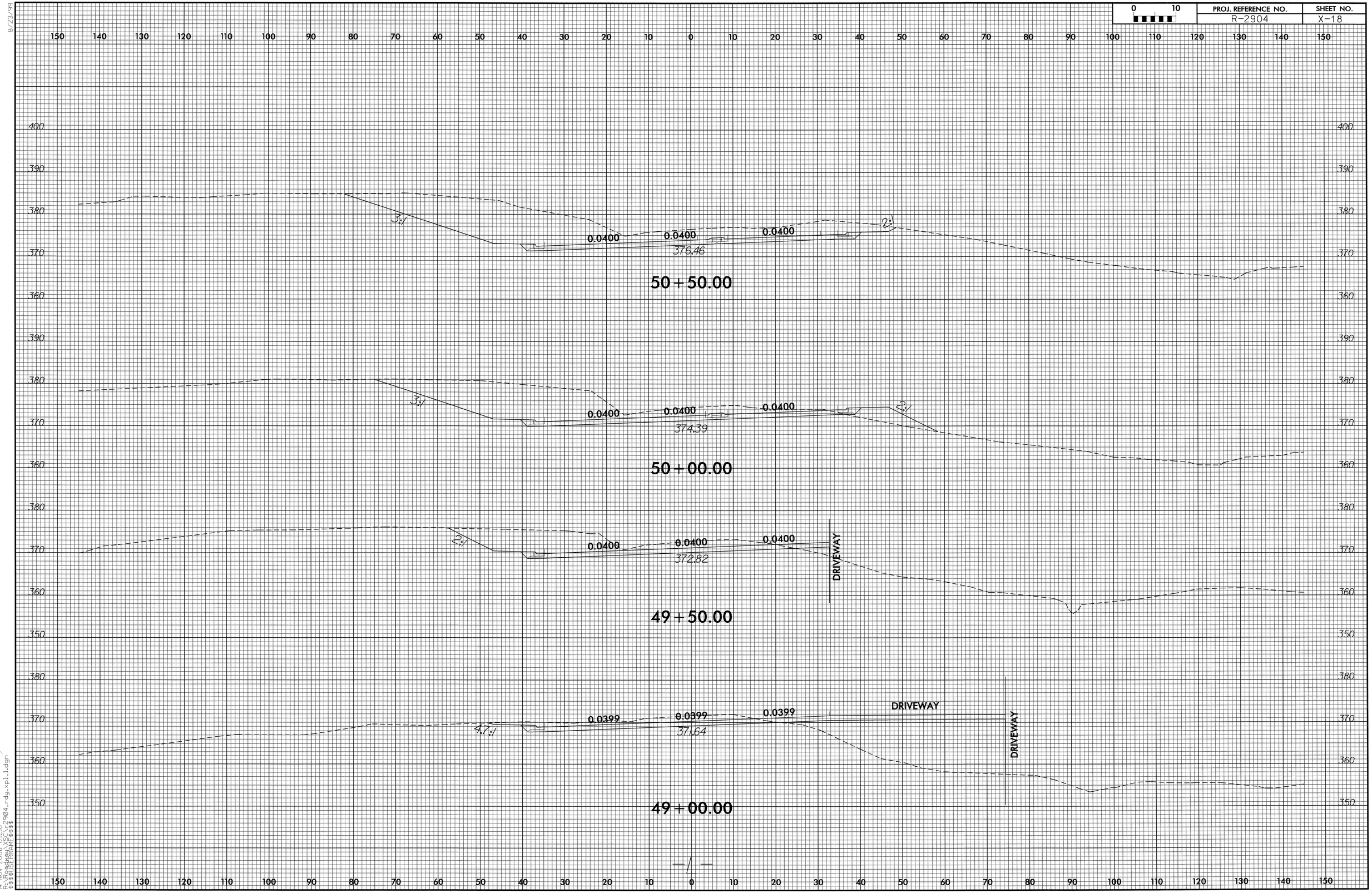


14-NOV-2006 09:30
R:\Roadway\XSG\r2904_rdy_xpl_l1.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l16 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-18



14-NOV-2006 09:30
R:\Roadway\XSD\r2904_rdy_xpl_l1.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l17 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-19

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

410 400 390 380 370

2:1 0.0200 0.0043 5:1

384.29

52 + 50.00

3:1 0.0200 0.0200 0.0143 DRIVEWAY DRIVEWAY

382.36

52 + 00.00

3:1 0.0243 0.0242 0.0243 DRIVEWAY DRIVEWAY

380.49

51 + 50.00

3:1 0.0343 0.0342 0.0343 2:1

378.53

51 + 00.00

14-NOV-2006 09:30
R:\Roadway_XSEC\r2904_rdy_xpl_l1.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l18 gsblell RD-Oce34

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-20

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

420 410 400 390

398.15
2:1 0.0200 0.0200 0.0200 2:1
55+00.00

410 400 390

395.23
2:1 0.0200 0.0200 2:1
54+50.00

410 400 390

392.26
2:1 0.0200 0.0200 2:1
54+00.00

380 400 390

389.21
2:1 0.0200 0.0157 2:1
53+50.00

380 410 400 390

386.50
2:1 0.0200 0.0057 2:1
53+00.00

380

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

14-NOV-2006 10:44
$$USERNAME$$
$$DGNFILE$$

8/23/99

0 10	PROJ. REFERENCE NO.	SHEET NO.
	R-2904	X-21

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 STATE PROJECT R-2904 -L- STA 57+38.87

430 420 410 400

SHEAR LINE

0.0170

2%

409.85

57+00.00

420 410 400 390

SHEAR LINE

0.0105 0.0200 0.0200

2%

407.31

56+50.00

410 400 390

2%

0.0200 0.0200 0.0200

DRIVEWAY

404.18

56+00.00

420 410 400 390

DRIVEWAY

0.0200 0.0200 0.0200

2%

404.18

55+50.00

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

14-NOV-2006 09:30
R:\ROADWAY\XSP\r2904_rdy_xpl_l1.dgn
$$$$USERNAME$$$$

RD223228 11/14/2006 r2904_rdy_xpl_l20 gsblell RD-Oce34