PROJ. REFERENCE NO.	SHEET NO.
U-2905A	X-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

Approximate quantities only. Shoulder borrow, fine grading, clearing and grubbing, and removal of existing pavement will be paid for at the lump sum price for "Grading".

NOTE: EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
29+20.000	0	0
29+40.000	10	0
29+60.000	22	0
29+80.000	26	0
30+00.000	31	0
30+20.000	35	0
30+40.000	19	0

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
31+40.000	0	0
31+60.000	27	0
31+80.000	98	0
32+00.000	180	75
32+20.000	139	75
32+40.000	29	0
32+60.000	0	0
32+80.000	13	0
33+00.000	24	0
33+20.000	11	0

Station Lpc	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+60.000	51	51
10+80.000	93	283
10+95.330	0	288

Station Lpc	Uncl. Exc. (cu. meters)	Embt (cu. meters)
12+17.492	247	0
12+34.770	780	0
12+60.000	1248	0
12+80.000	938	0
13+06.580	1176	0

Station Rpc	Uncl. Exc. (cu. meters)	Embt (cu. meters)
13+60.000	0	0
13+80.000	291	12
14+00.000	501	19
14+20.000	352	19
14+40.000	239	29
14+60.000	122	35
14+80.000	32	106
15+00.000	7	89

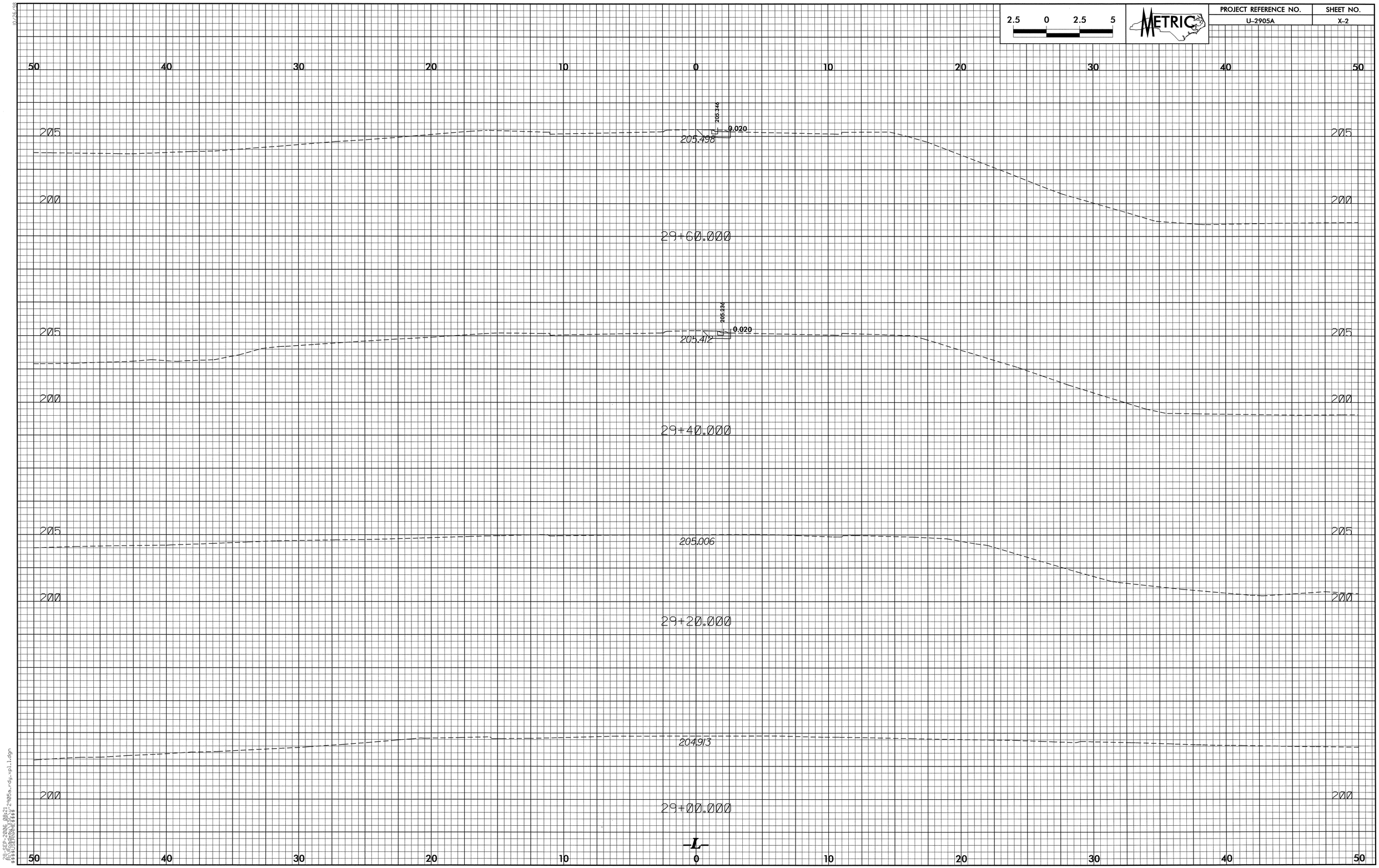
Station Y5	Uncl. Exc. (cu. meters)	Embt (cu. meters)
18+40.000	0	0
18+60.000	200	5
18+80.000	245	6
19+00.000	65	13
19+20.000	45	11
19+40.000	86	0

Station Y5	Uncl. Exc. (cu. meters)	Embt (cu. meters)
19+40.000	0	0
19+60.000	121	0
19+80.000	132	0
20+00.000	407	0
20+20.000	625	0
20+40.000	447	0
20+60.000	211	4
20+80.000	114	17
21+00.000	96	43
21+20.000	58	87
21+40.000	42	107
21+60.000	35	109
21+80.000	30	60
22+00.000	15	0

INDEX OF CROSS-SECTION

-L- 29+00.000 TO 33+20.000	X-2 T0 X-7
-LPC- 10+60.000 TO 10+95.330	X-8
-RPC- 13+80.000 TO 14+80.000	X-9 TO X-10
-LPC- 12+17.492 TO 13+06.581	X-11 TO X-12
-Y5- 18+40.000 TO 22+00.000	X-13 TO X-17

2.5	0	2.5	5	METRIC	PROJECT REFERENCE NO.	SHEET NO.
					U-2905A	X-2



28-SEP-2006 08:21
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$$$$DGNFILE$$$$

10/26/88

2.5	0	2.5	5

METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-3

50 40 30 20 10 0 10 20 30 40 50

205

200

205.354

0.020

205.478

30+20.000

205

200

205.405

0.020

205.539

30+00.000

205

200

205.403

0.020

205.545

29+80.000

205

200

50 40 30 20 10 0 10 20 30 40 50

-L-

12-SEP-2006 08:35
rmillsaps
\\rdu\projects\2905a\rdu-xpl1.dgn
#rdu_USERNAME#

2.5	0	2.5	5	METRIC	PROJECT REFERENCE NO.	SHEET NO.
					U-2905A	X-4

50 40 30 20 10 0 10 20 30 40 50

BRIDGE

200

196.724

31+00.000

BRIDGE

200

196.473

30+80.000

205

200

BRIDGE

196.346

30+60.000

205

200

197.876

30+40.000

-L-

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 08:35
C:\Projects\U-2905a_rdy_xpl.dgn
ss1 $$$$USERNAME$$$$

10/26/98

2.5	0	2.5	5

METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-5

50 40 30 20 10 0 10 20 30 40 50

205

200

203.279

-LPC- STA. 10+06.180

0.039

203.092

203.398

31+60.000

205

200

205

200

203.837

31+40.000

BRIDGE

200

197.550

31+20.000

-L-

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 08:35
\\roadway\projects\u-2905a_rdy_xpll.dgn
$$$$USERNAME$$$$

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

205

200

32+40.000

20.132

20.760

0.020

20.529

-LPC- STA. 10+60.000
SHEAR PT.

4:1

32+20.000

20.360

0.062

0.095

0.097

20.506

-LPC- STA. 10+48.750

20.973

4:1

32+00.000

20.906

0.061

0.071

0.073

20.570

-LPC- STA. 10+26.390

20.729

4:1

31+80.000

-L-

12-SEP-2006 08:35
C:\projects\2905a_rdy_rpl1.dgn
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-7

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

195

198.087

33+20.000

195

200

198.809

0.020

198.964

200

195

33+00.000

195

200

199.633

0.020

199.781

200

32+80.000

200

200.424

200

32+60.000

-L-

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 08:35
$$USERNAME
$$DATE_PLOTTED
$$TIME_PLOTTED
$$PLOT_SCALE
$$PLOT_DEVICE
$$LAYOUT
$$DGN_FILE
$$RSX_FILE
$$RSX_VERSION
$$RSX_NODE
$$USER_ATTR
$$USER_ATTR
$$USER_ATTR

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

205
200

RPC- STA. 15+00.000
SHEAR PT.

199.142

4:1 1 4:1

0.080 0.080

198.792

197.886

10+95.330

205
200

LT- STA. 32+20.000
SHEAR PT.

199.858

4:1 4:1

0.080 0.080

199.498

198.636

10+80.000

210
205
200

LT- STA. 32+20.000
SHEAR PT.

200.909

4:1 4:1

0.080 0.080

200.549

199.735

200.202

10+60.000

–LPC–

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 08:35
Rs\Projects\2905a_rdy_xpl_lpc_1.dgn
$$$$USERNAME$$$$

10-26-99

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-9

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

200

195

-LPC- sta 11+46.896

197.478

197.118

197.392

4:1

0.080

0.080

197.829

14+40.00

200

195

-LPC- sta 11+65.182

197.121

196.764

197.014

4:1

0.0800

-0.0800

VAR.

197.445

14+20.00

200

195

-LPC- sta 11+83.468

196.767

196.409

196.646

4:1

0.0800

0.0800

VAR.

197.065

14+00.00

200

195

-LPC- sta 12+01.780

196.412

196.050

196.226

4:1

0.0801

0.0802

VAR.

196.627

13+80.00

200

195

50 40 30 20 10 0 10 20 30 40 50

-RPC-

12-SEP-2006 15:02
N:\ROADWAY\2905a_rdy_xpl_rpc.dgn
USER:DONAVES
PSS:DONAVES

10/26/98

2.5 0 2.5 5

METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-10

50 40 30 20 10 0 10 20 30 40 50

200

195

198.235

-LPC- sta 11+10.299

198.545

198.166

0.066

0.067

VAR.

198.758

14+80.00

200

195

197.582

-LPC- sta 11+28.611

197.937

197.760

0.079

0.079

198.327

14+60.00

200

-RPC-

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 15:02
$USER
$DRAWING
R:\projects\U2905a_rdy_xpl_rpc.dgn

10/26/98

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-11

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

200

195

196.061

197.409

0.0800 0.0800

195.703

4:1 6:1 4:1

195.241

12+80.000

195.910

197.419

0.0800 0.0800

195.556

4:1 4:1 4:1

DITCH EL. = 194.980

12+60.000

195.956

197.741

0.0800 0.0800

195.599

4:1 4:1 4:1

DITCH EL. = 194.550

12+34.770

196.140

197.737

0.0800 0.0800

195.783

4:1 6:1 4:1

12+17.492

–LPC–

12-SEP-2006 15:02
$cell_name
$dgn_file
$user_name

10-26-98

2.5	0	2.5	5

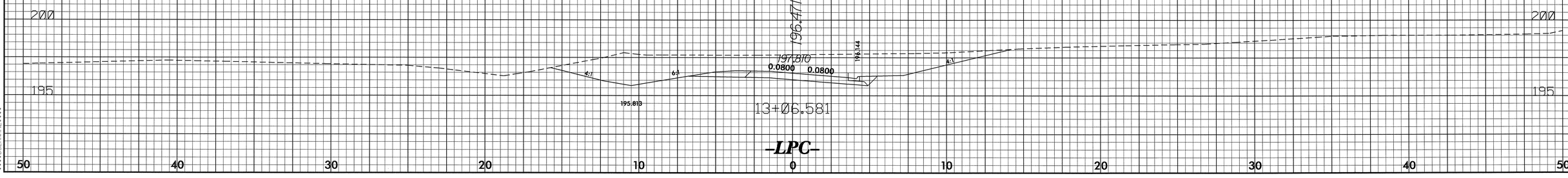
METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-12

50 40 30 20 10 0 10 20 30 40 50

200

195



-LPC-

200

195

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 15:02
Rs\Projects\2005a\roadway\pl\lpc_2.dgn
$USER
$$$$

10/26/98

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-13

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

205

200

197.762

18+80.00

-LPC- STA. 13+43.586

196.825

196.533

0.0615

0.0627

4:1

205

200

200

197.909

18+60.00

-LPC- STA. 13+21.903

196.653

196.290

4:1

0.0728

0.0723

4:1

200

210

205

200

197.925

18+40.00

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 15:02
N:\ROBERTSON\ES\U-2905A_rdu_xpl_g5.dgn
ES_ROBERTSON

2.5 0 2.5 5

METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-14

50 40 30 20 10 0 10 20 30 40 50

200

200

197.467
19+60.00

0.0200

200

200

197.420
19+40.00

0.0200

205

200

197.574
19+20.00

-PC- STA 13+83.840
196.760

0.0226

4:1

205

200

205

200

197.574
19+00.00

-PC- STA 13+53.830
196.859

196.636

0.0427

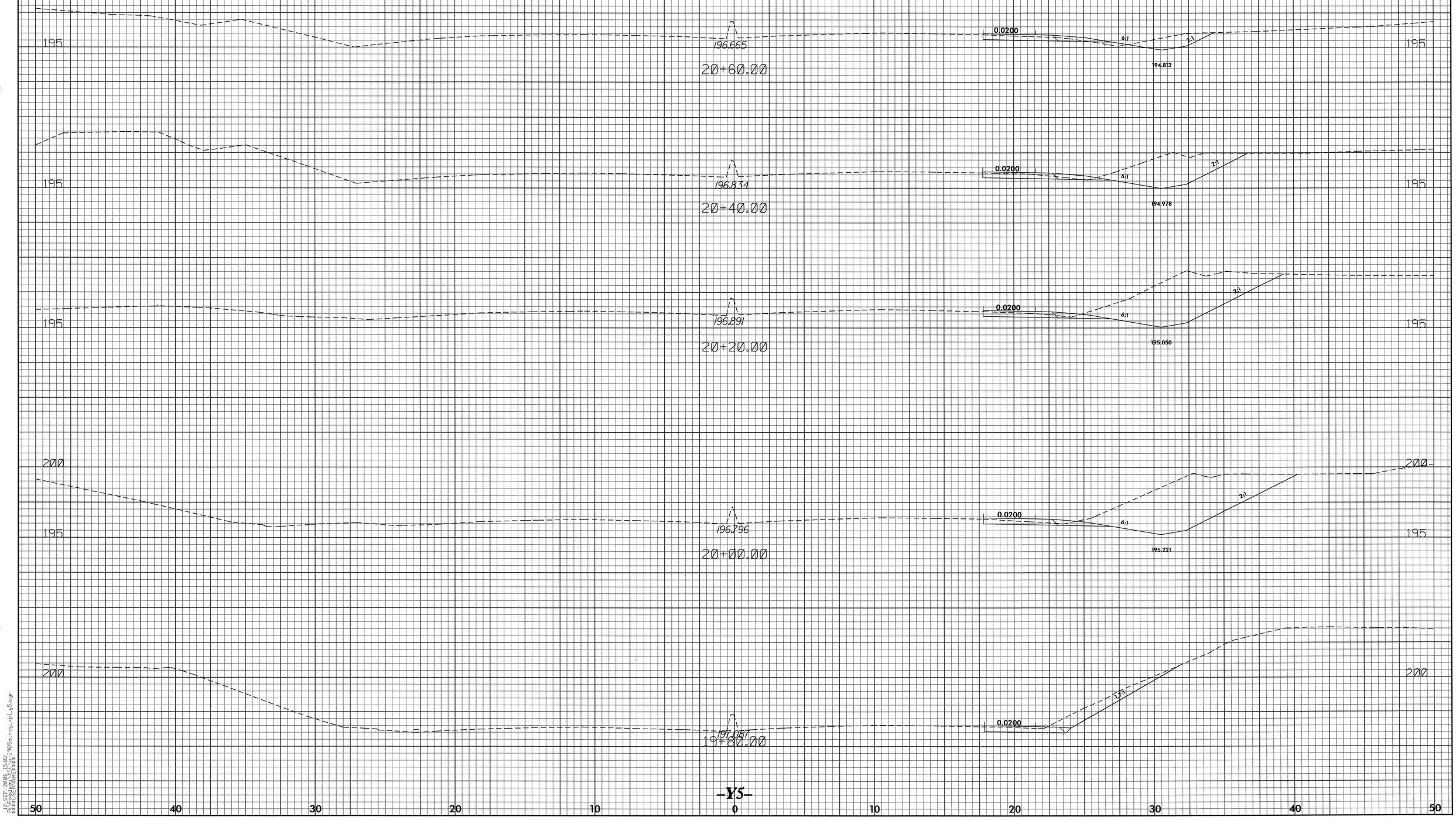
4:1

205

200

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 15:15:02
$$USER$$
$$DESIGN$$
$$PROJECT$$
$$PLOTSCALE$$
$$PLOTDATE$$
$$PLOTTIME$$
$$FILENAME$$.dgn



12-SEP-2006 15:02
R:\ROADWAY\2905a_rdy_xpl_y5.dgn
$$$$USER$$$$

10/26/98

2.5	0	2.5	5

METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-16

50 40 30 20 10 0 10 20 30 40 50

195

195.804

21+40.00

0.0200

4:1

2:1

DITCH EL. = 191.850

195

196.168

21+20.00

0.0200

4:1

2:1

DITCH EL. = 192.400

195

196.346

21+00.00

0.0200

4:1

2:1

DITCH EL. = 192.950

195

196.456

20+80.00

0.0200

4:1

2:1

DITCH EL. = 193.500

195

-Y5-

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 15:02
$USERPROFILE\Desktop\u-2905a_rdy_xpl_y5.dgn
File: u-2905a_rdy_xpl_y5.dgn

10-26-89

2.5	0	2.5	5

METRIC

PROJECT REFERENCE NO.	SHEET NO.
U-2905A	X-17

50 40 30 20 10 0 10 20 30 40 50

195

-RPA- STA.11+61.697

195.394

RAMP D

195

190

22+00.00

190

195

195.704

0.0200

4:1

RAMP D

195

21+80.00

195

195.839

0.0200

4:1

RAMP D

195

21+60.00

-Y5-

50 40 30 20 10 0 10 20 30 40 50

12-SEP-2006 15:02
$$$$USERNAME
$$$$DGNFILE
$$$$MODEL
$$$$PLOTSCALE
$$$$PLOTDATE
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