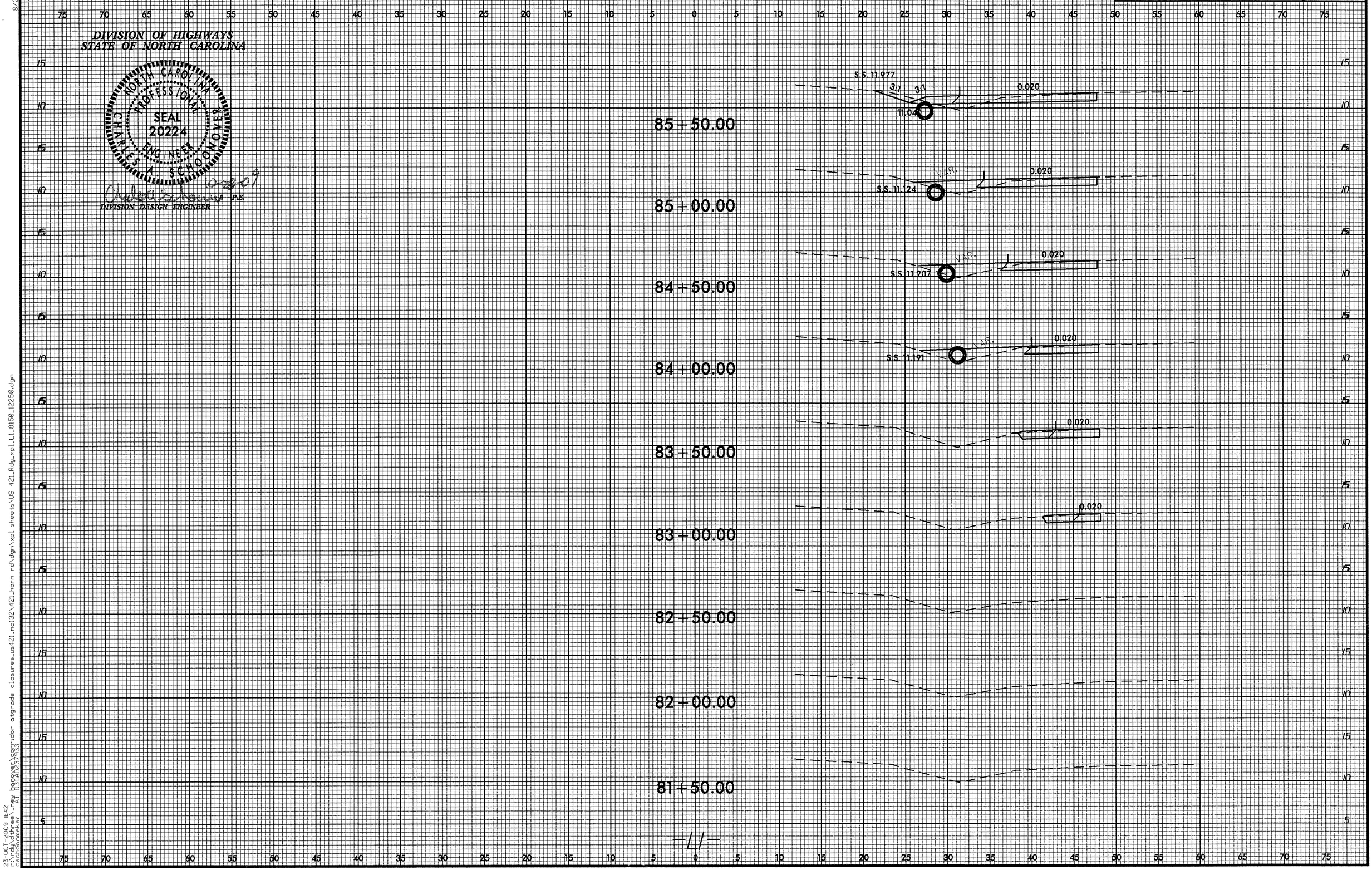


0 2.5 5
PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-1
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
10-28-09
P.E.
DIVISION DESIGN ENGINEER
85+50.00
85+00.00
84+50.00
84+00.00
83+50.00
83+00.00
82+50.00
82+00.00
81+50.00
S.S. 11.977
3:1
3:1
0.020
11.04
VAR.
S.S. 11.124
S.S. 11.207
S.S. 11.191
-L1-

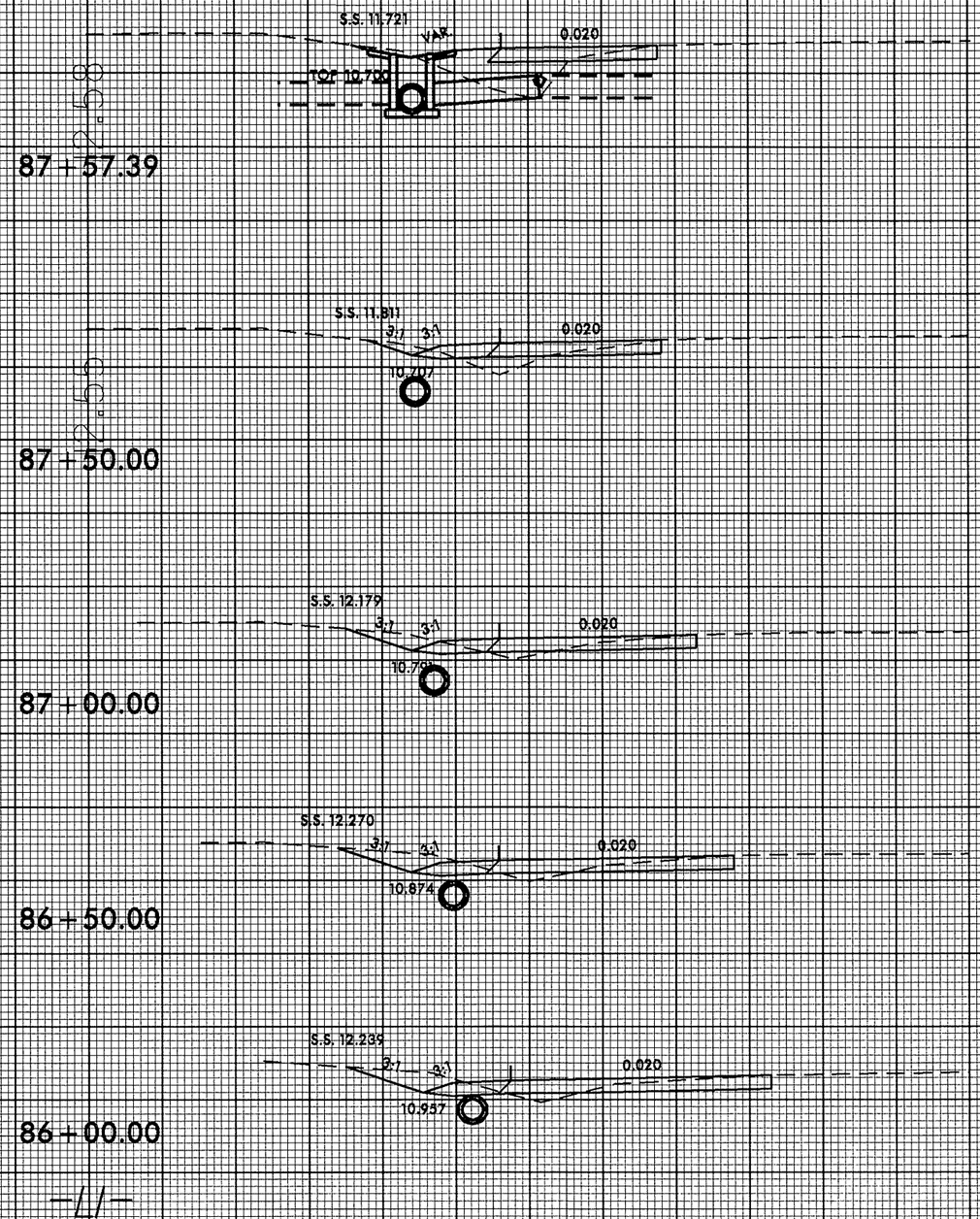
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-2

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

14-22-09

DIVISION DESIGN ENGINEER P.E.



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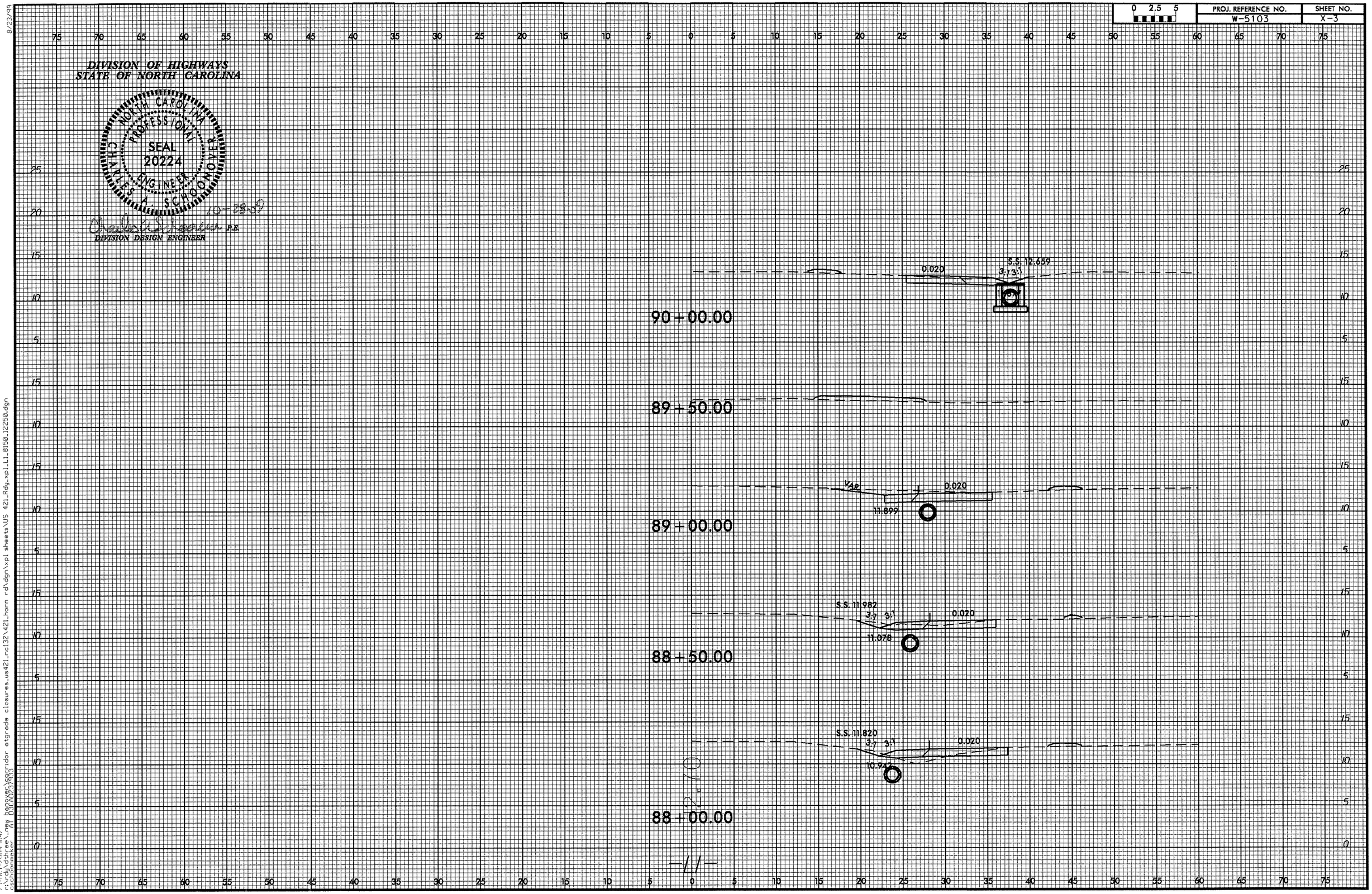
cschoonover AT DOCAD237933

8/23/99



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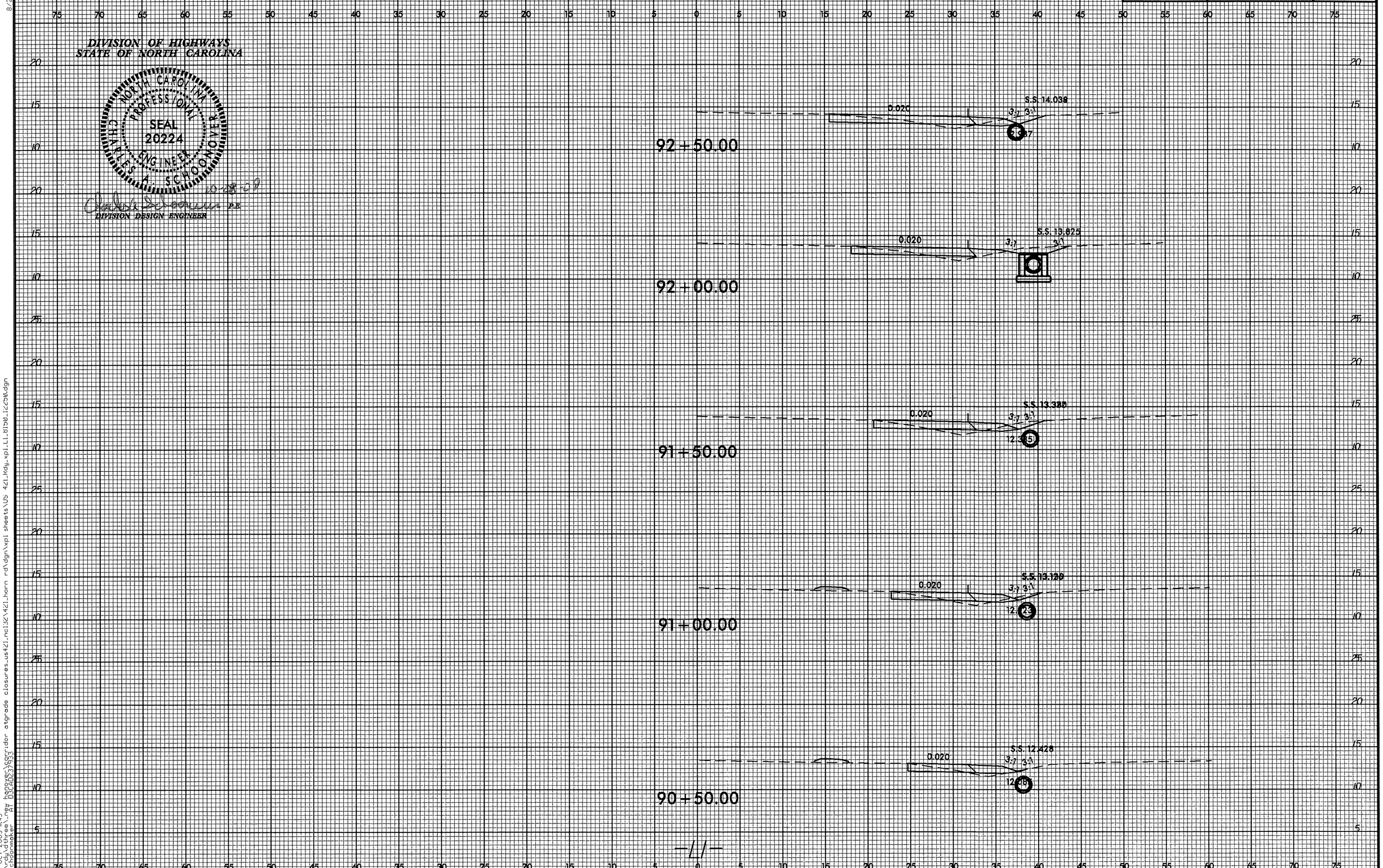

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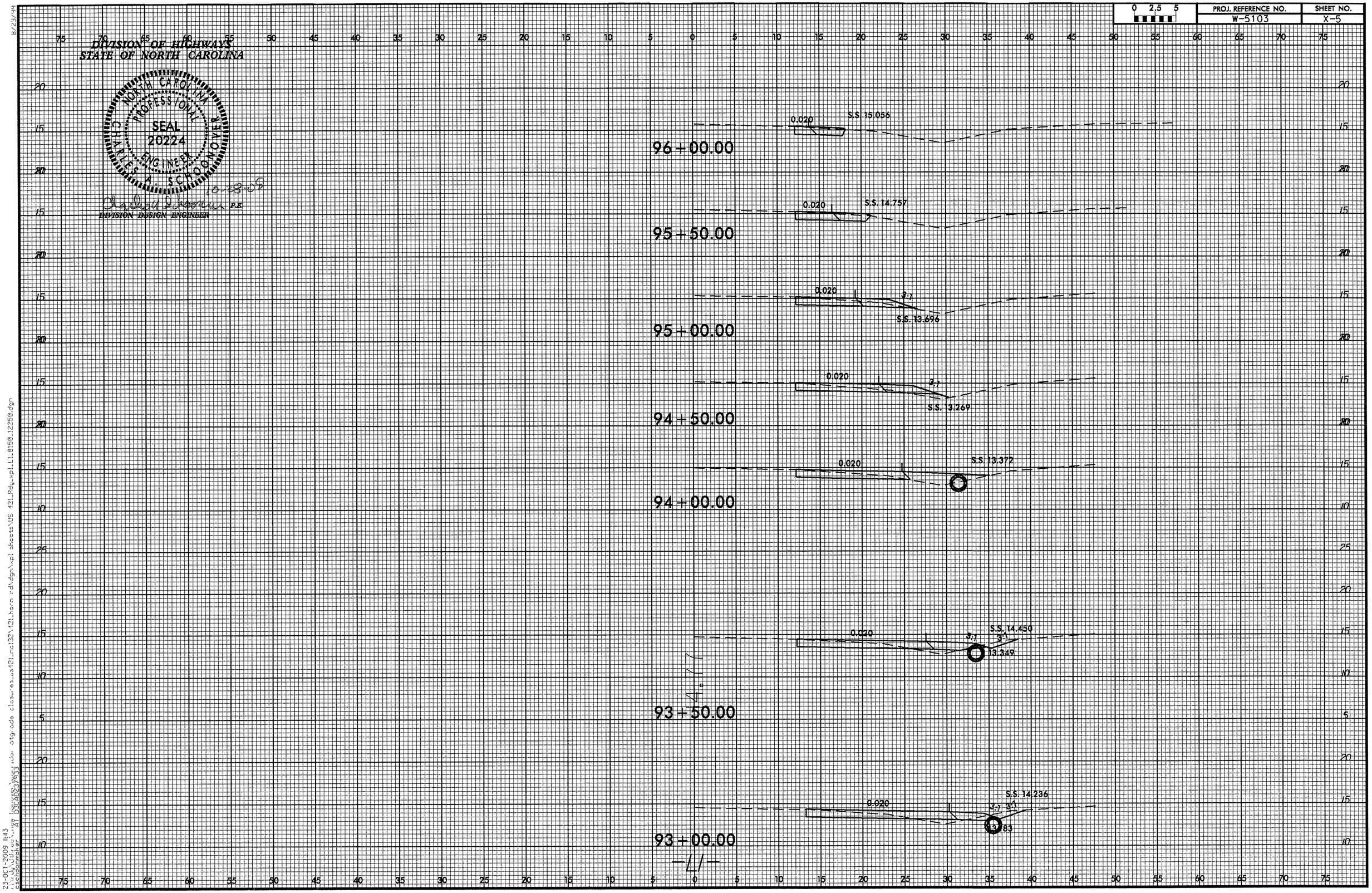
PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-5



8/23/99

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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

DIVISION DESIGN ENGINEER

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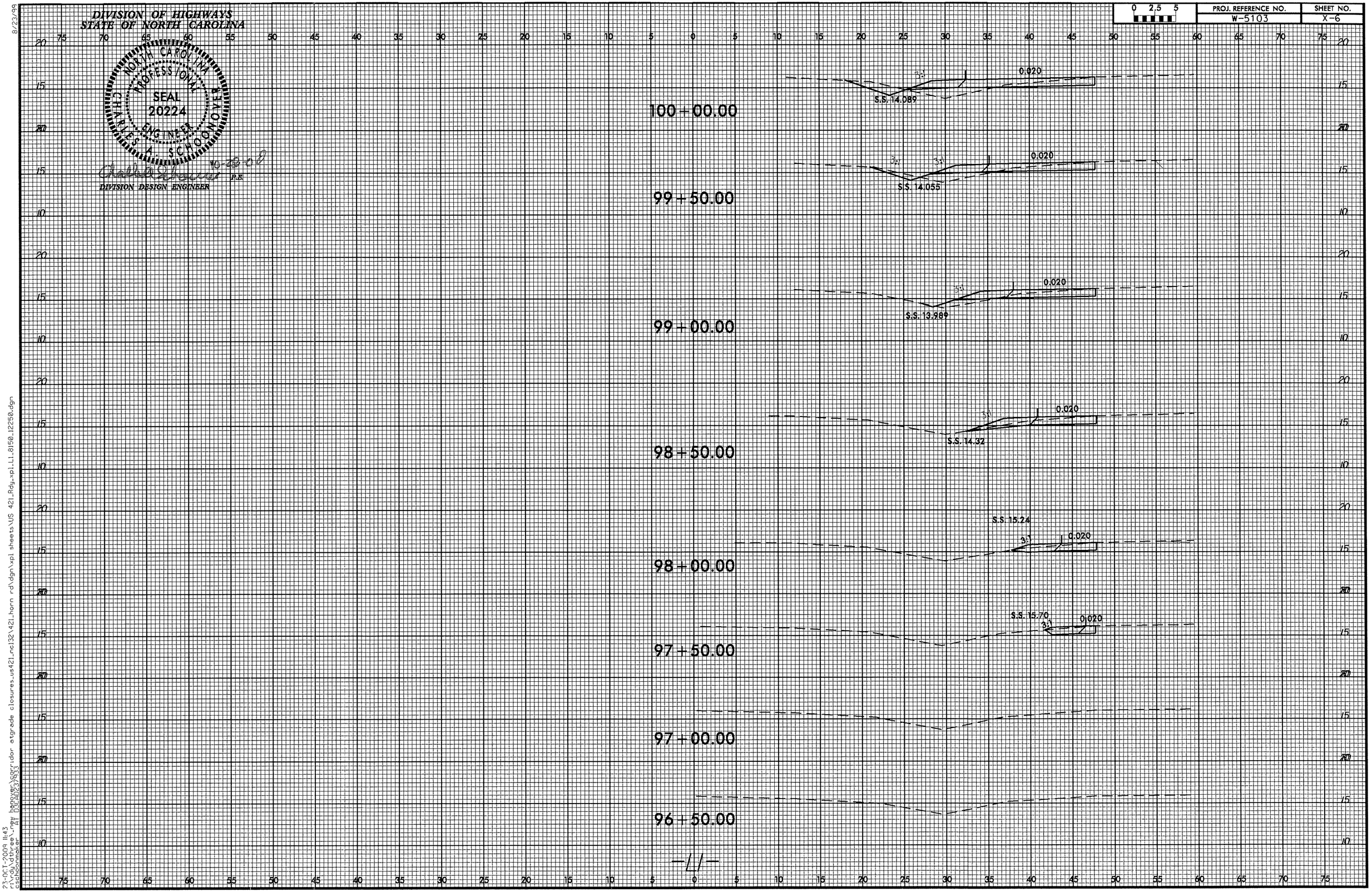

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8/23/99

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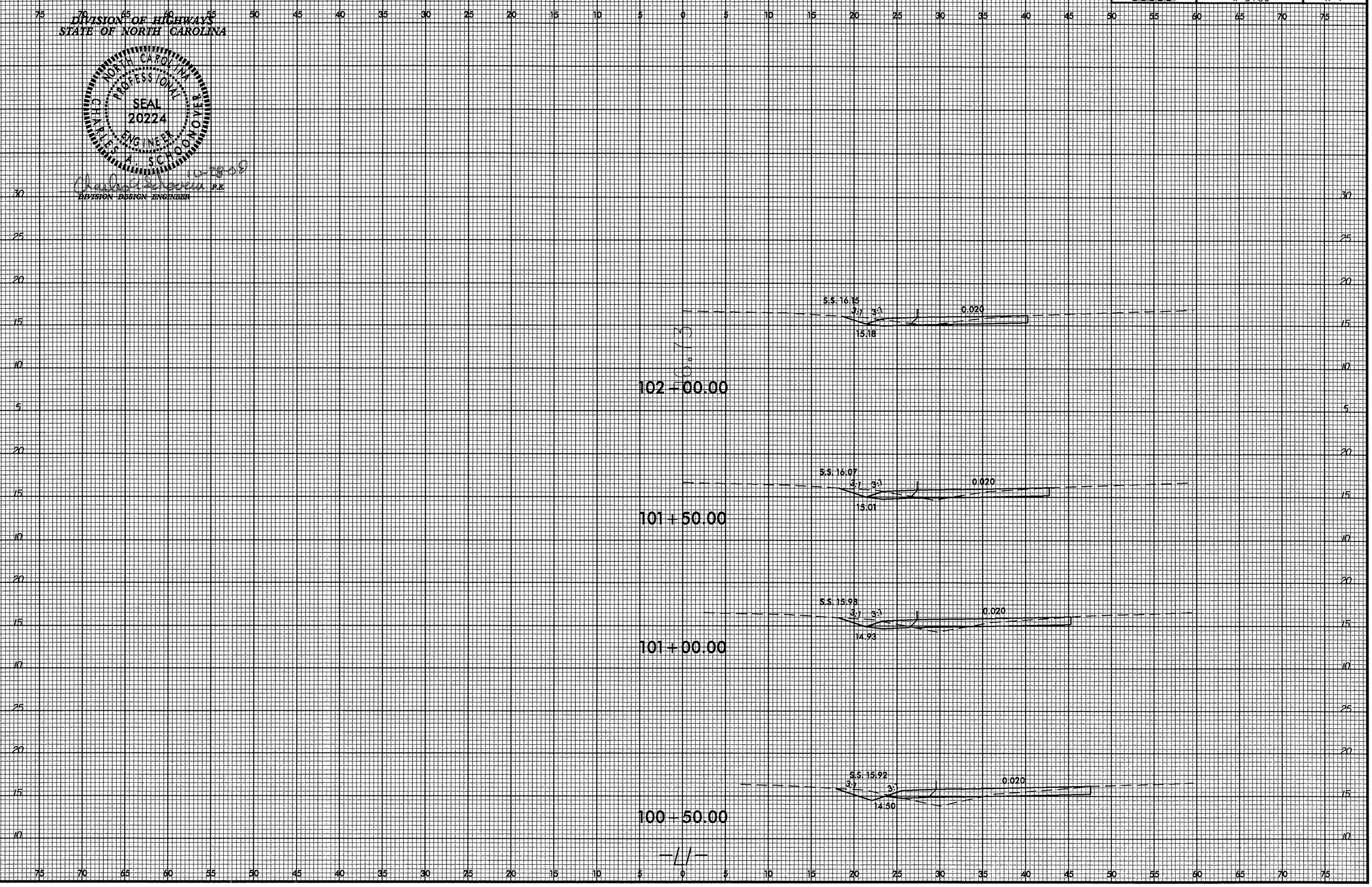
eschoonmaker AT DOCAD237933

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-7

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

Charles A. Schoonover 10-29-09
DIVISION DESIGN ENGINEER



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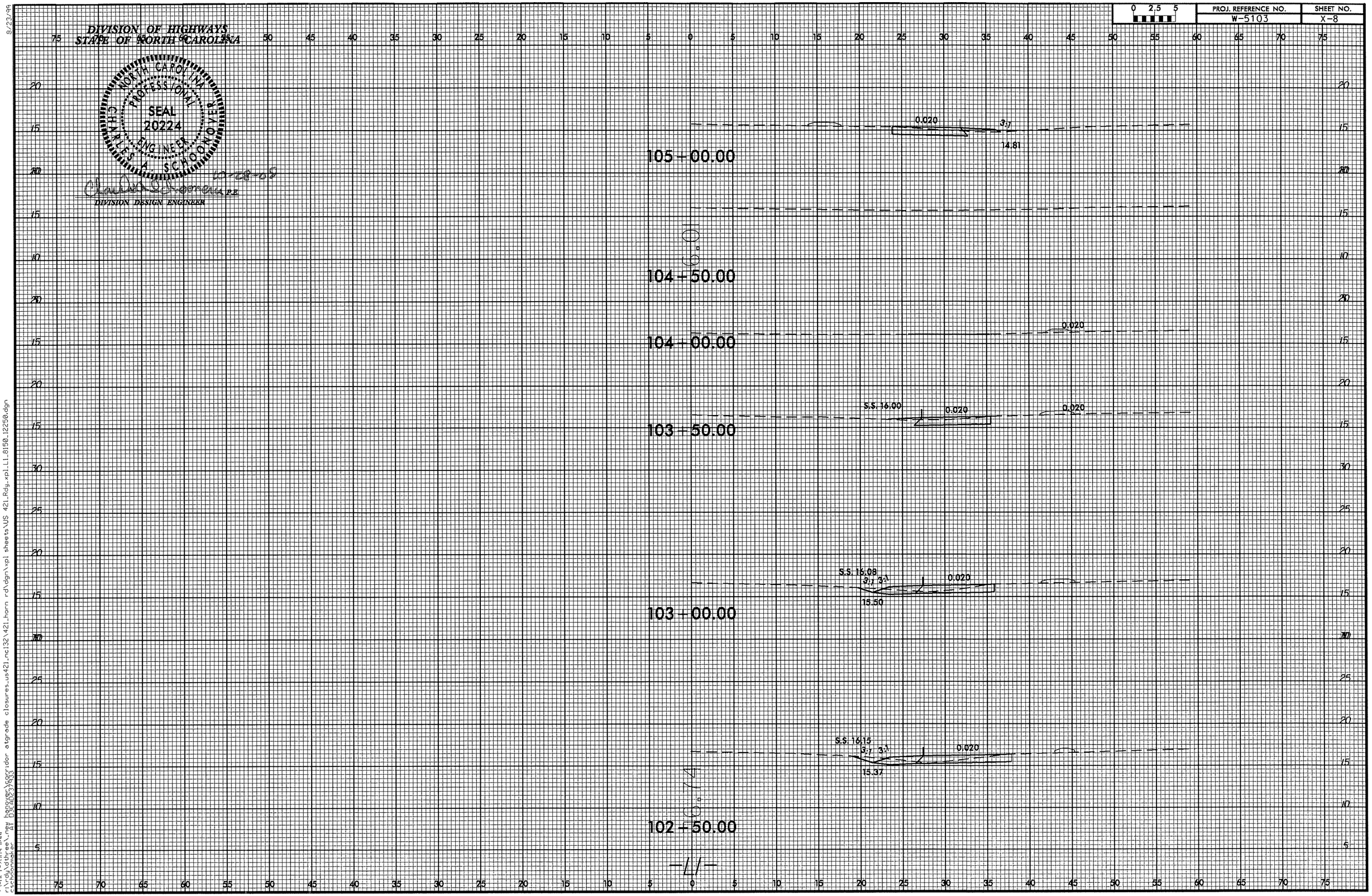
cschoonover AT DOCAD237933

8/23/99



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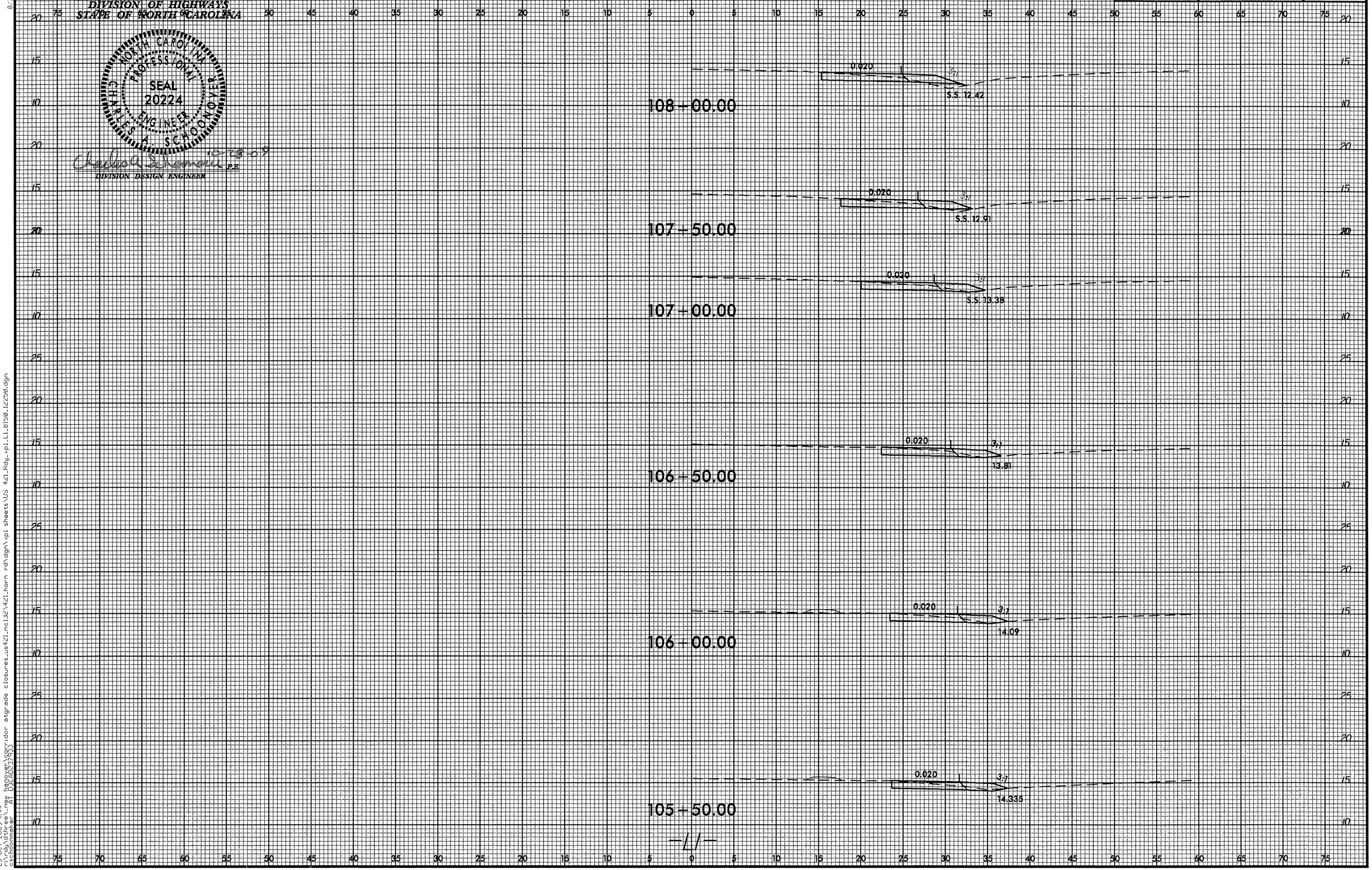

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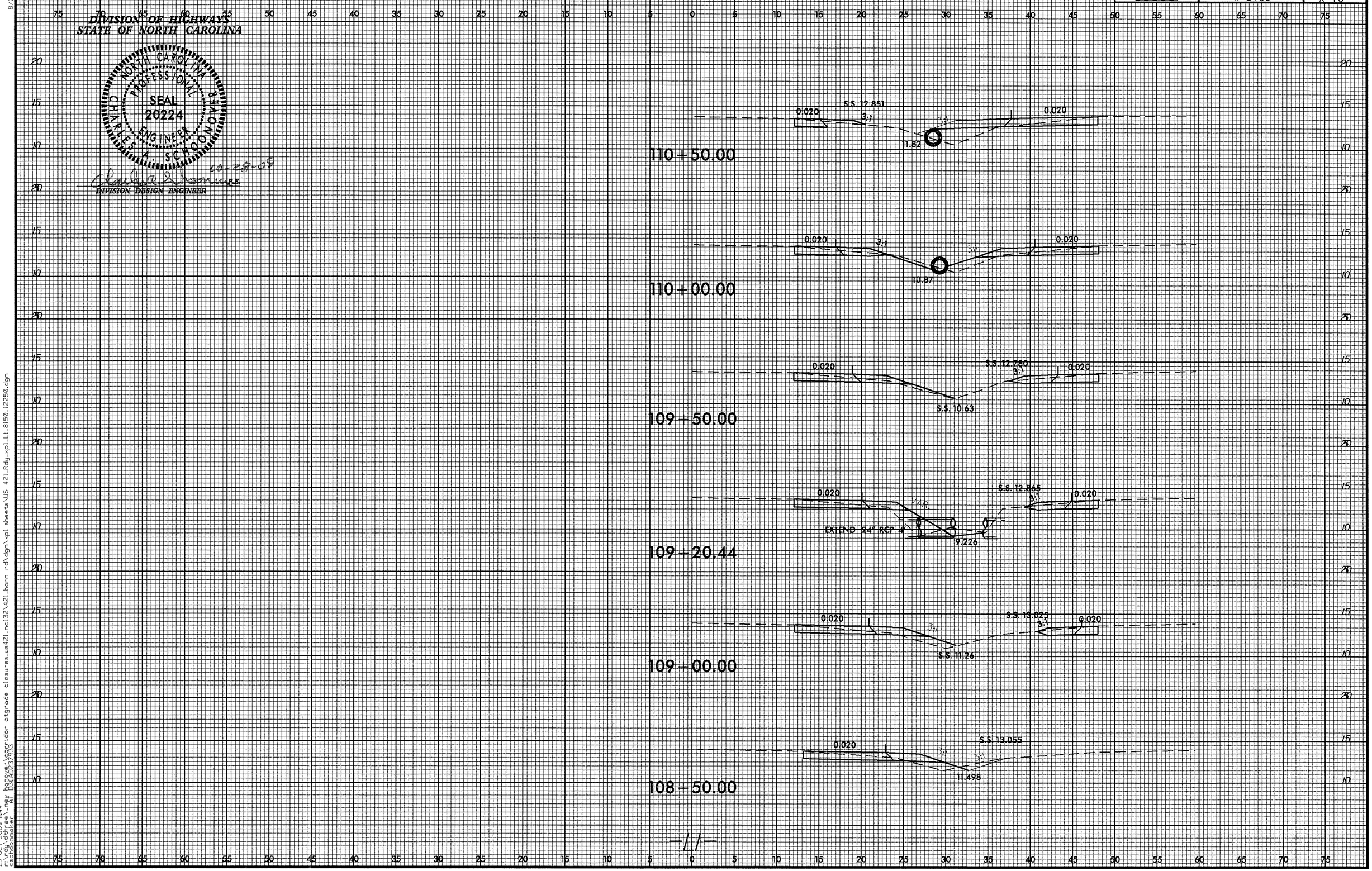

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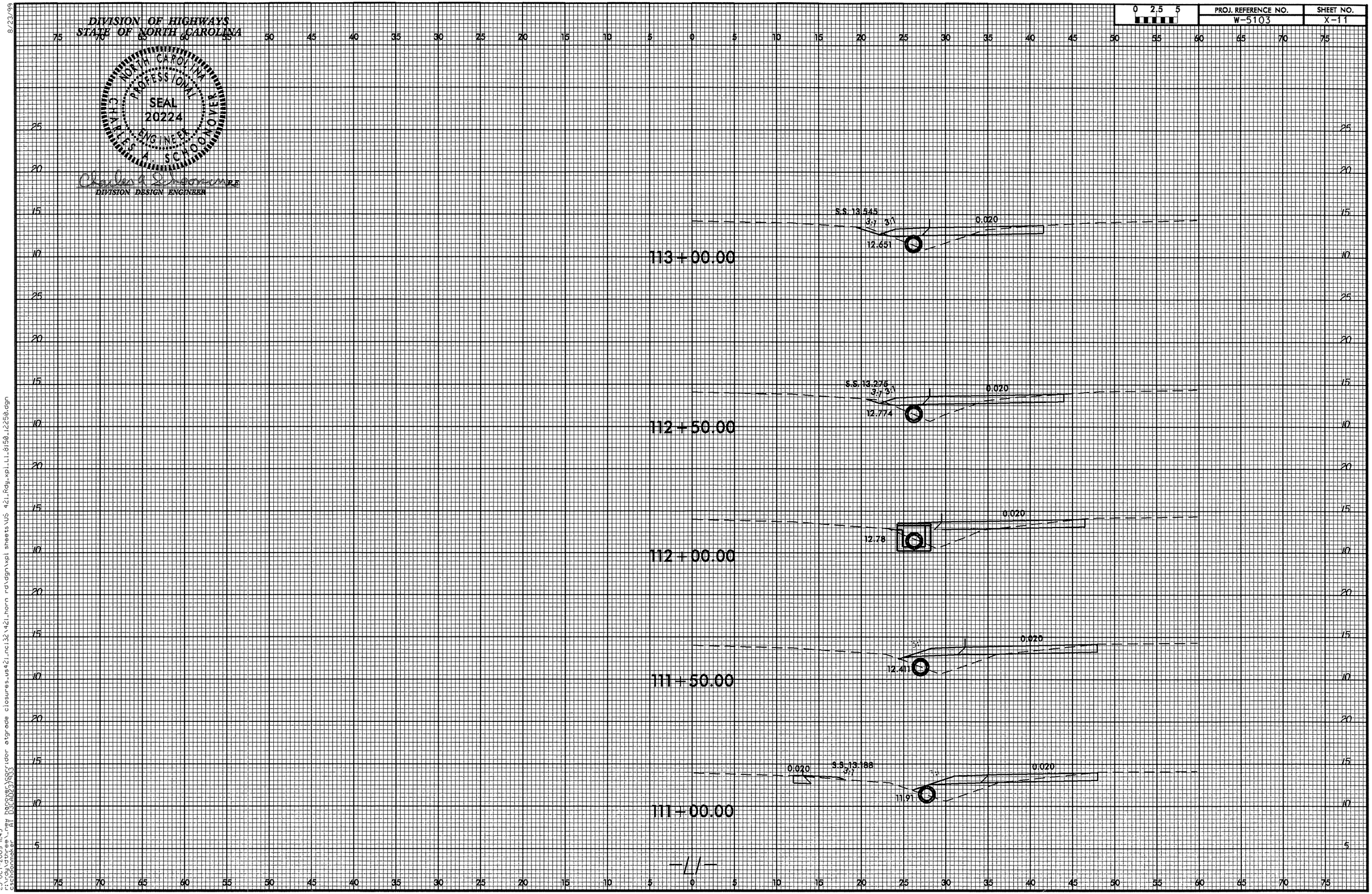

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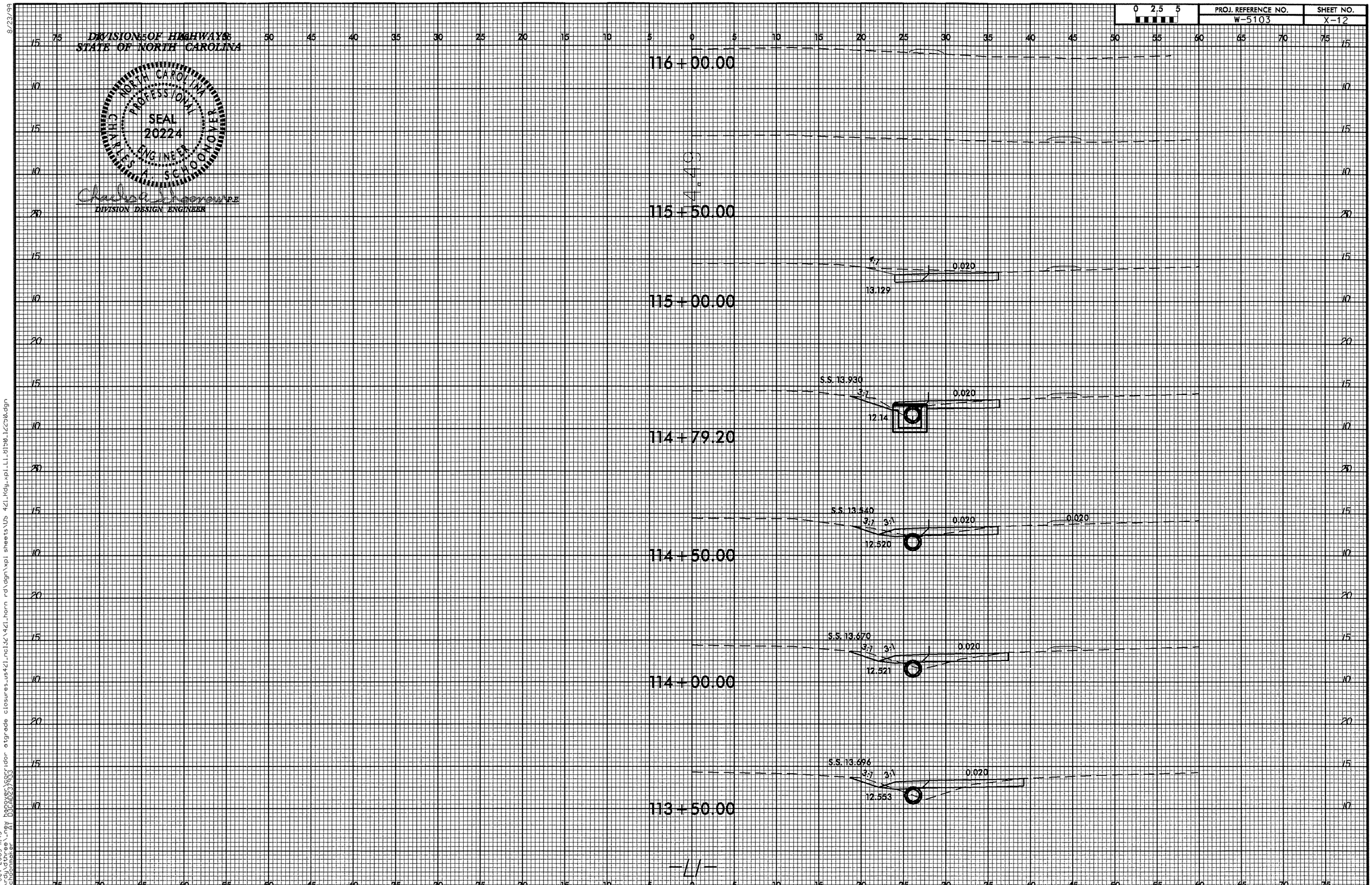

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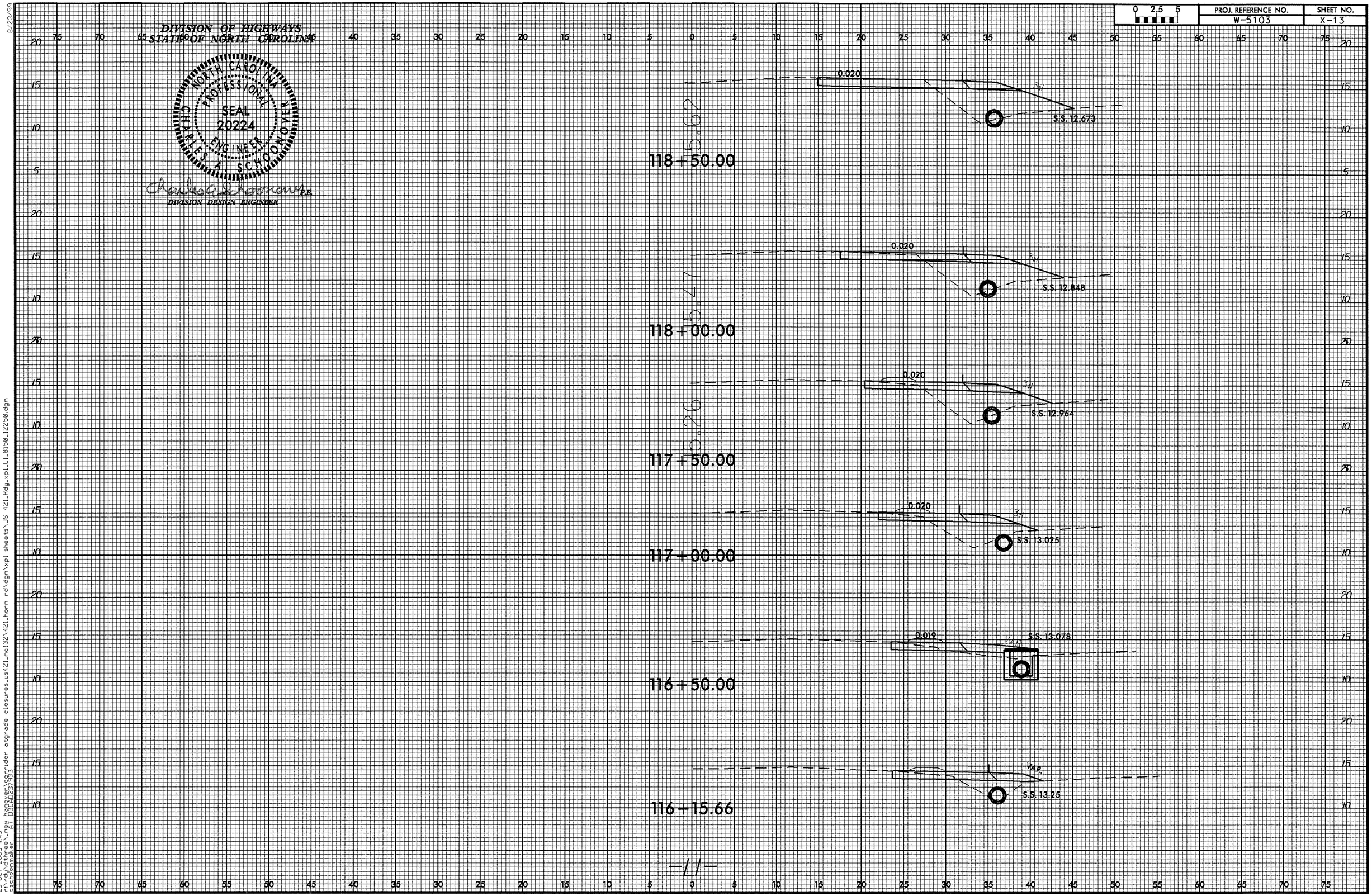

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cschoonmaker AT D3CAD237933

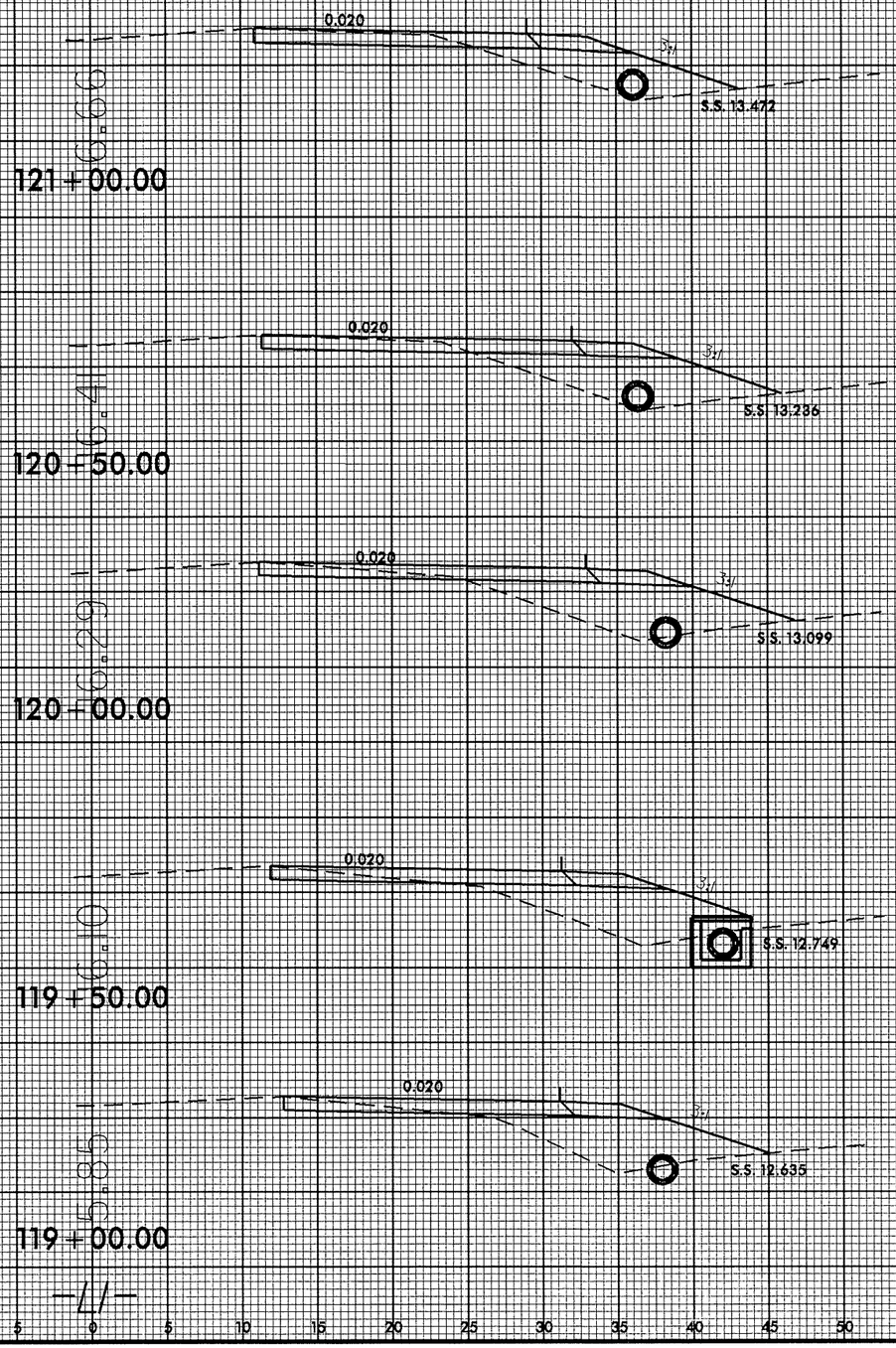
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-14

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-23-09

DIVISION DESIGN ENGINEER



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cschoonmaker AT D3CAD23/933

8/23/99

PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-15

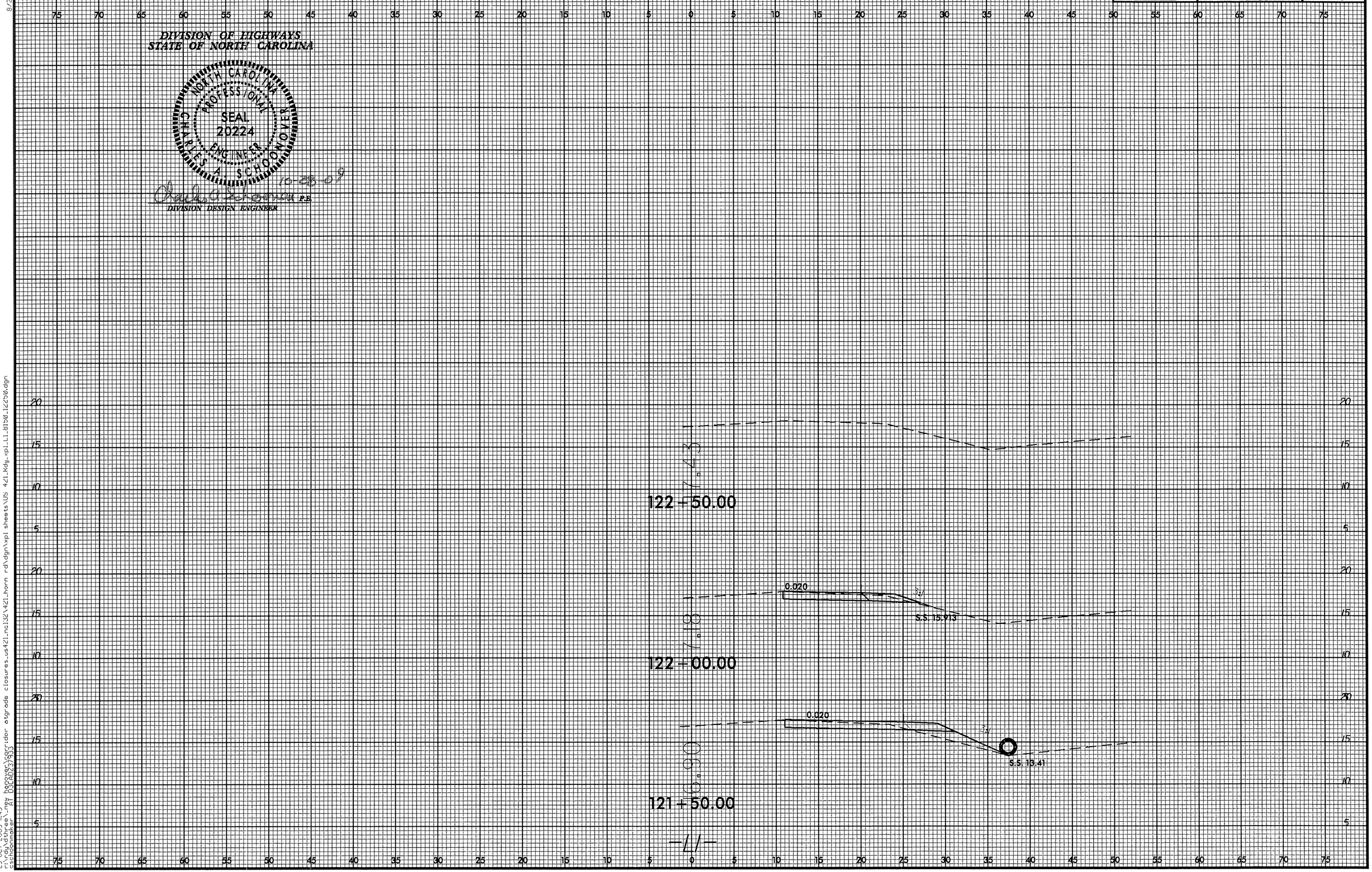
0 2.5 5

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-28-09

Charles A. Schoonover P.E.
DIVISION DESIGN ENGINEER



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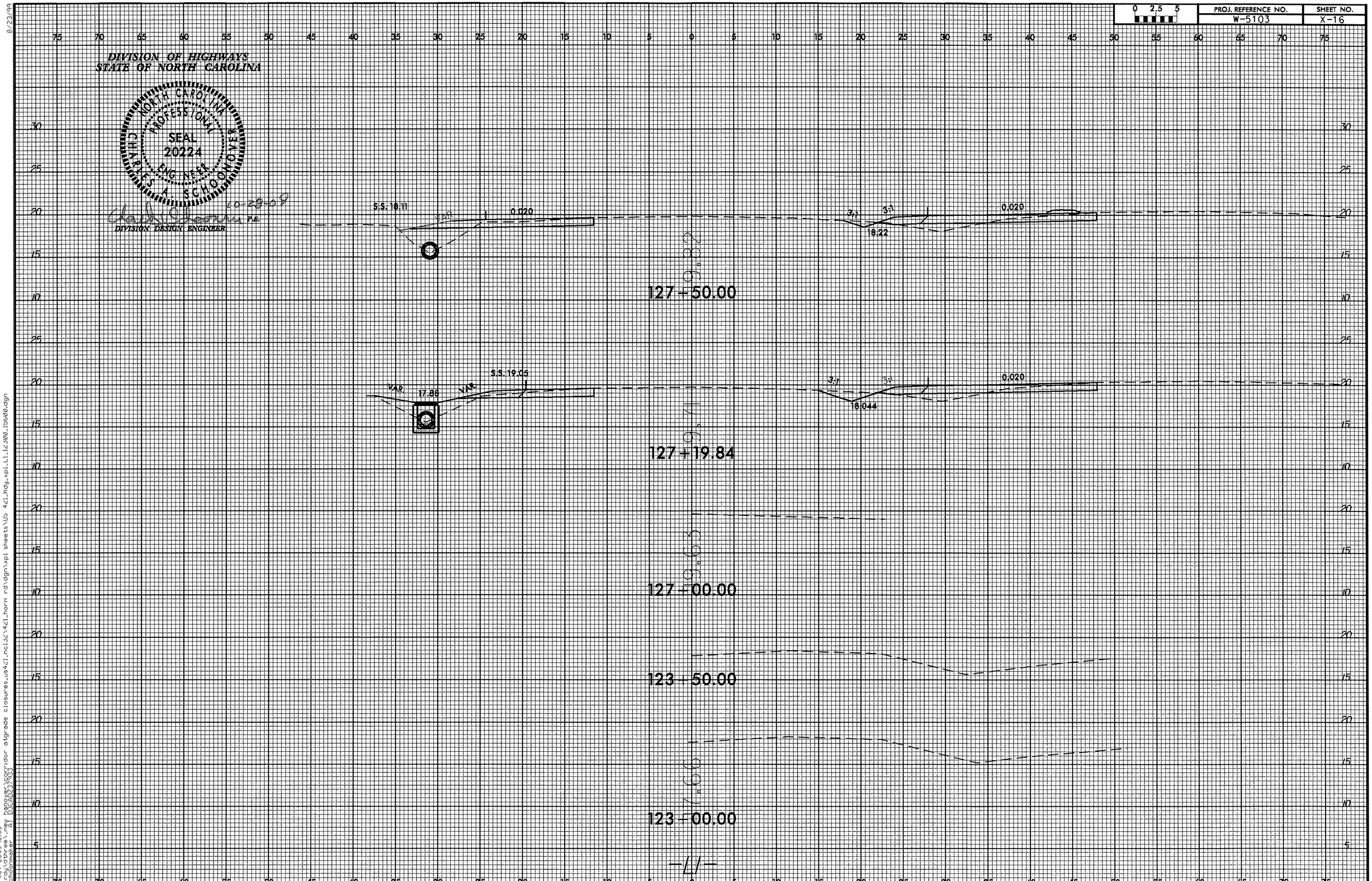

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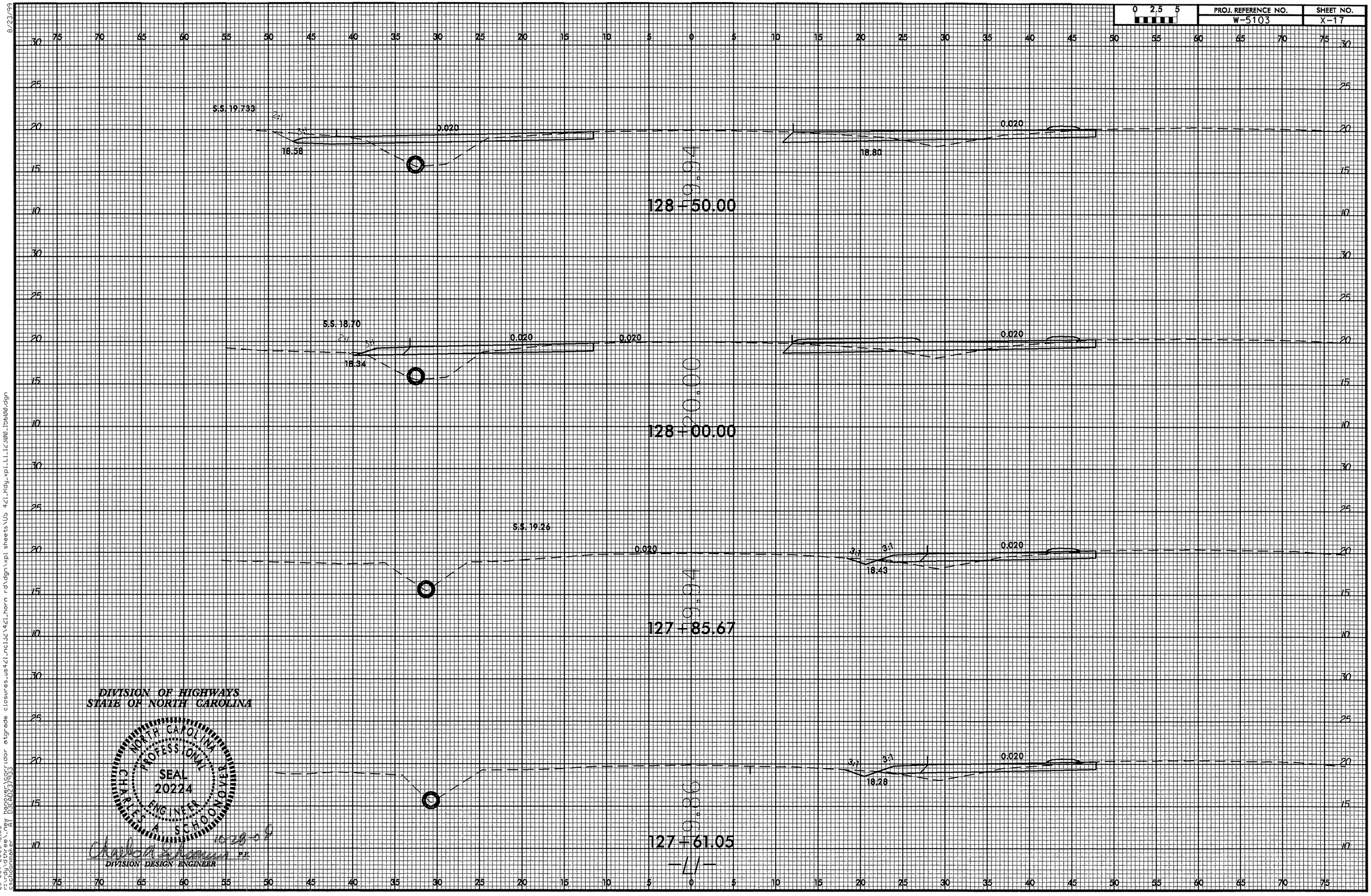

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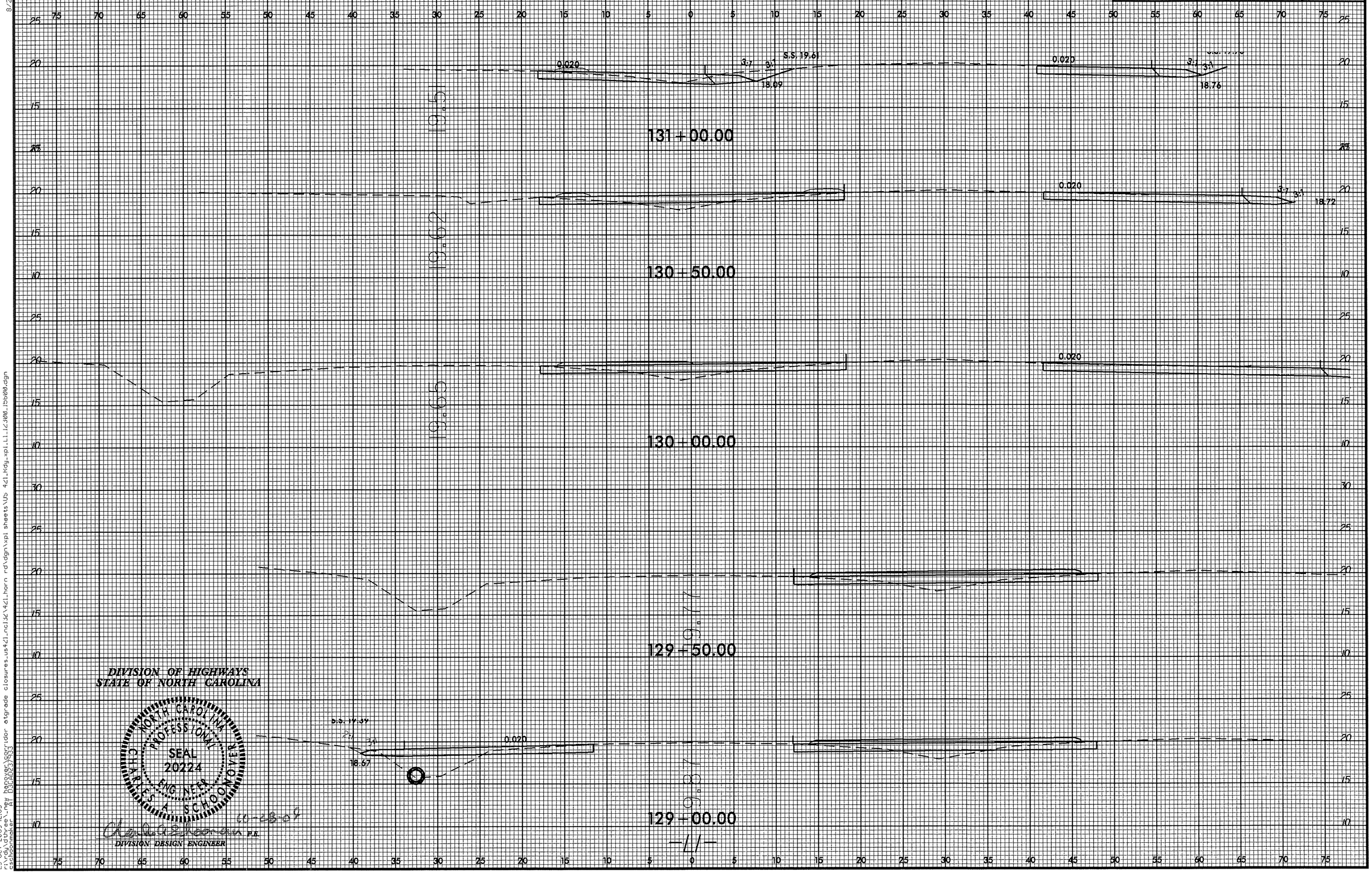

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PROJ. REFERENCE NO.
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129+00.00
0.020
3:1
S.S. 19.61
18.09
18.76
18.72
18.67
19.51
19.62
19.65
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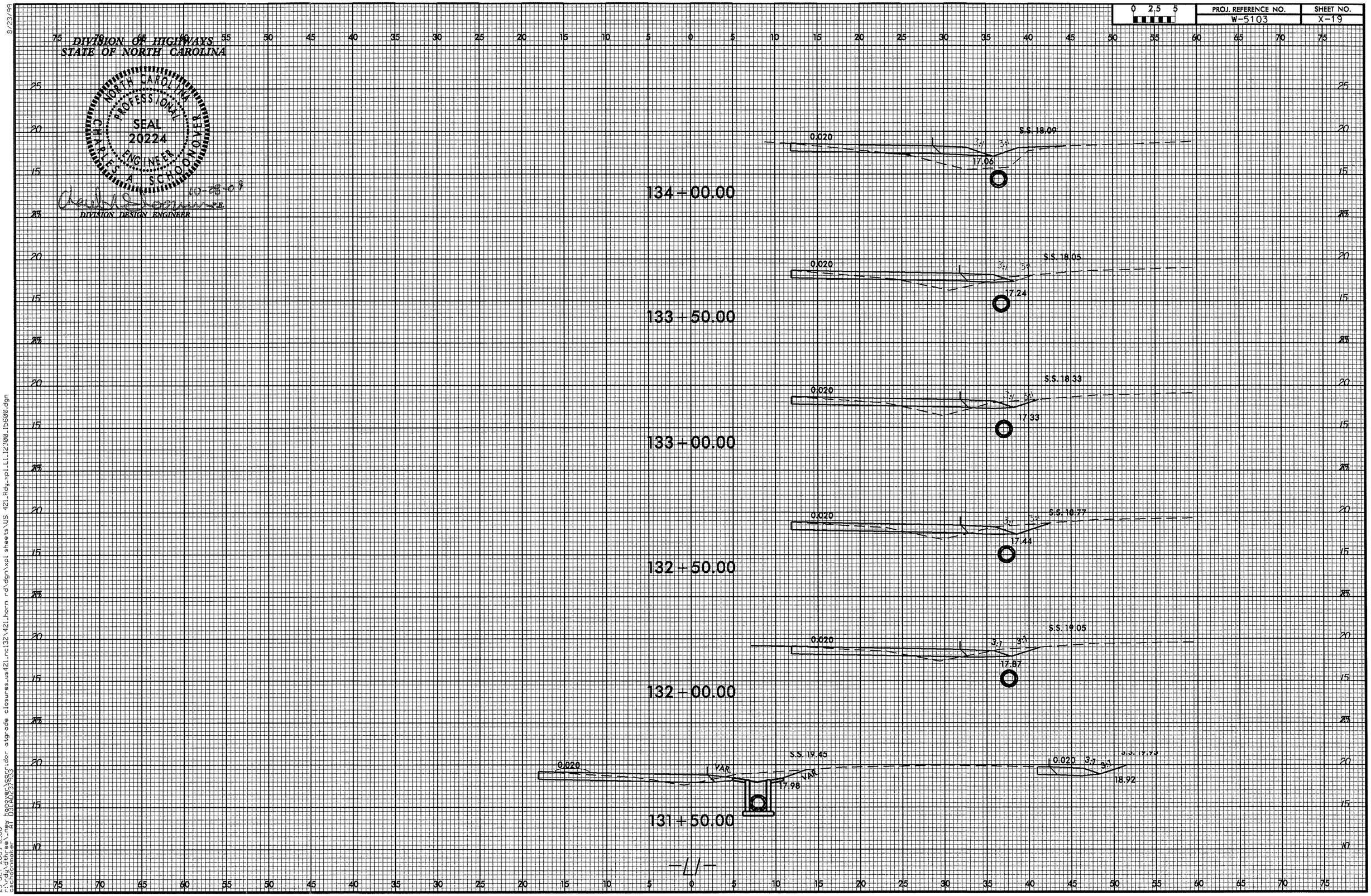
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
DIVISION DESIGN ENGINEER



9/23/99

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cschoonmaker AT D3CAD237933

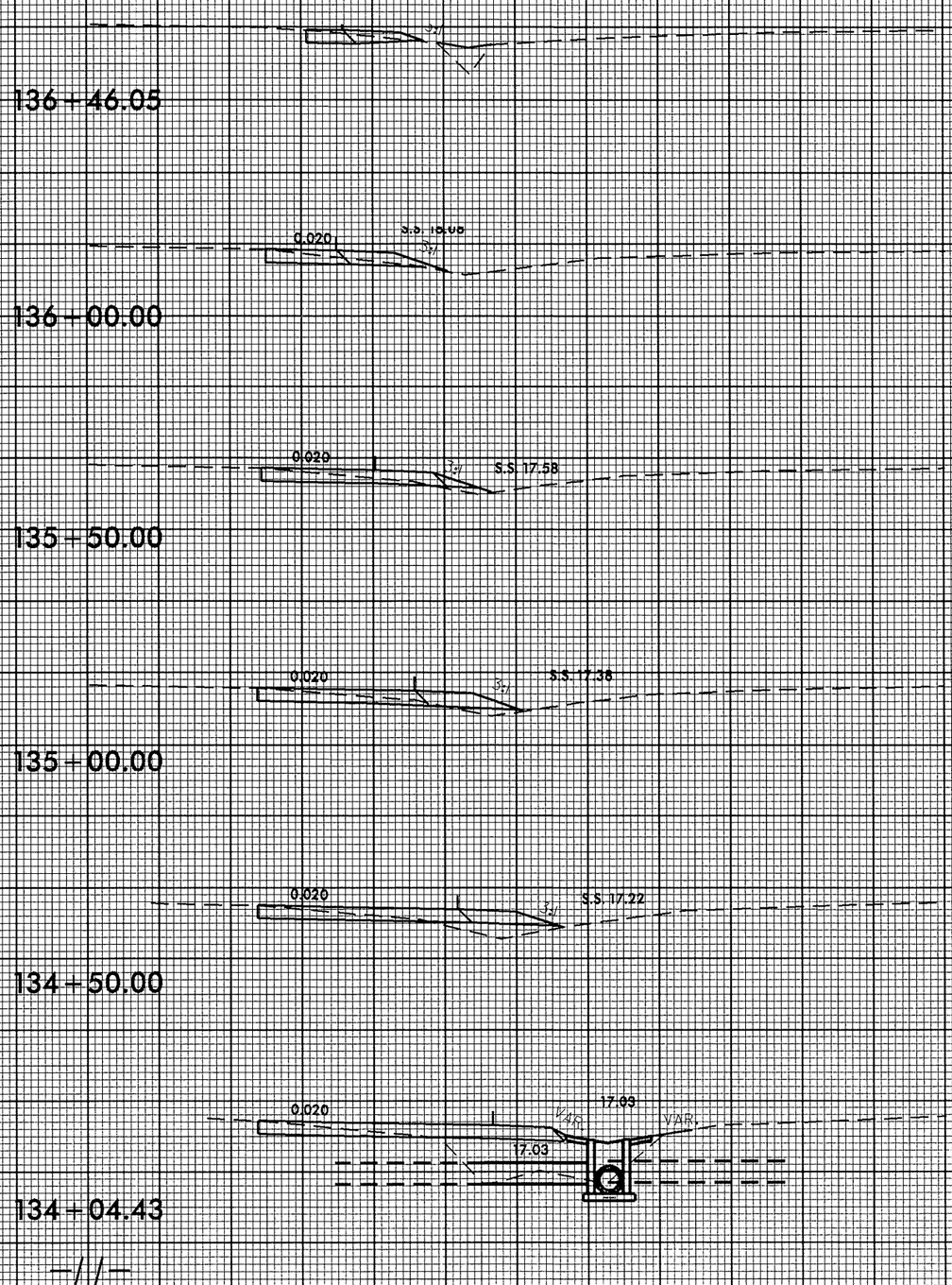
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-20

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVELD

10-28-09

DIVISION DESIGN ENGINEER P.E.



8/23/99

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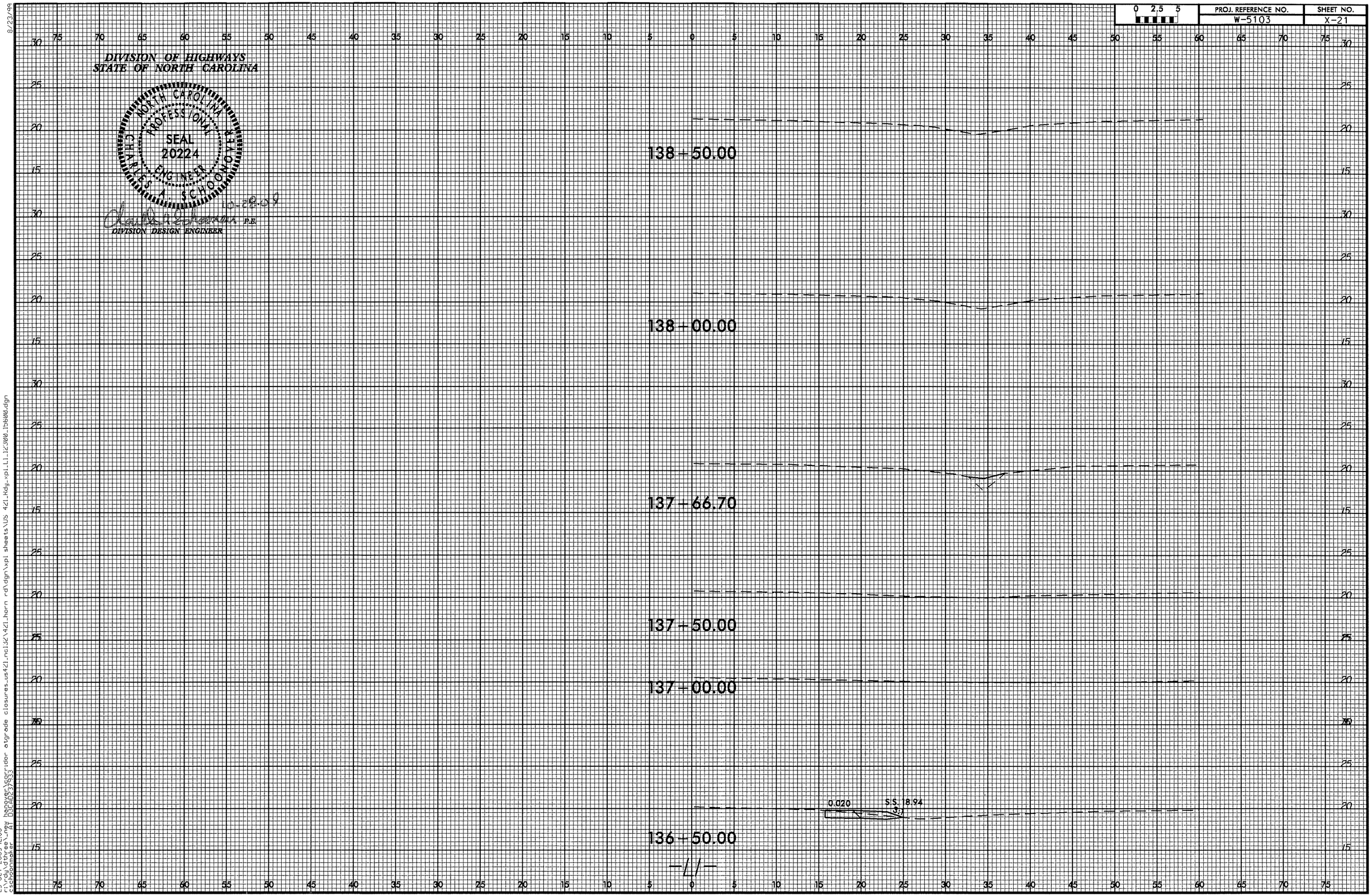

8/23/99

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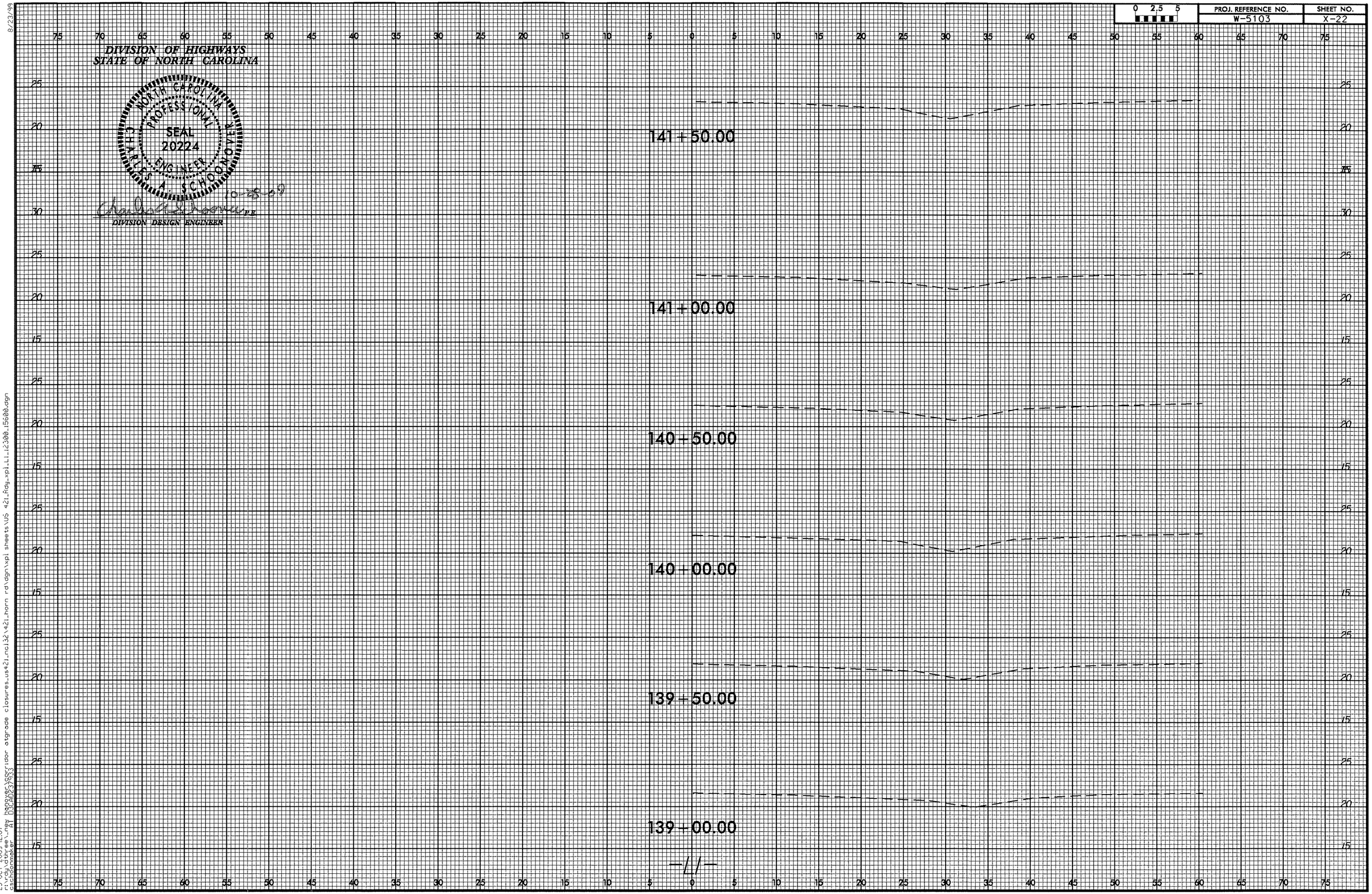
W-5103	X-22



8/23/99

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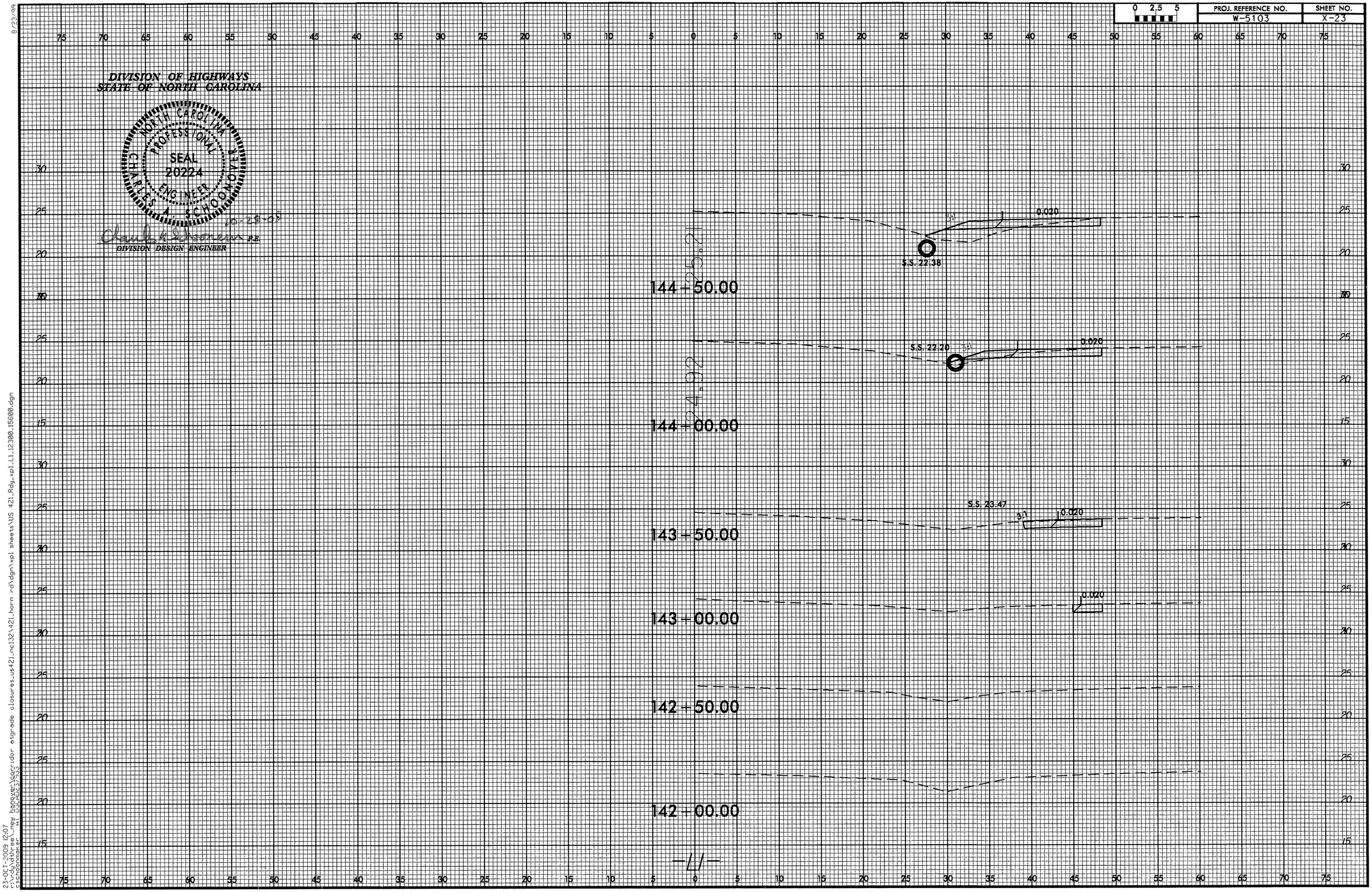

8/23/99

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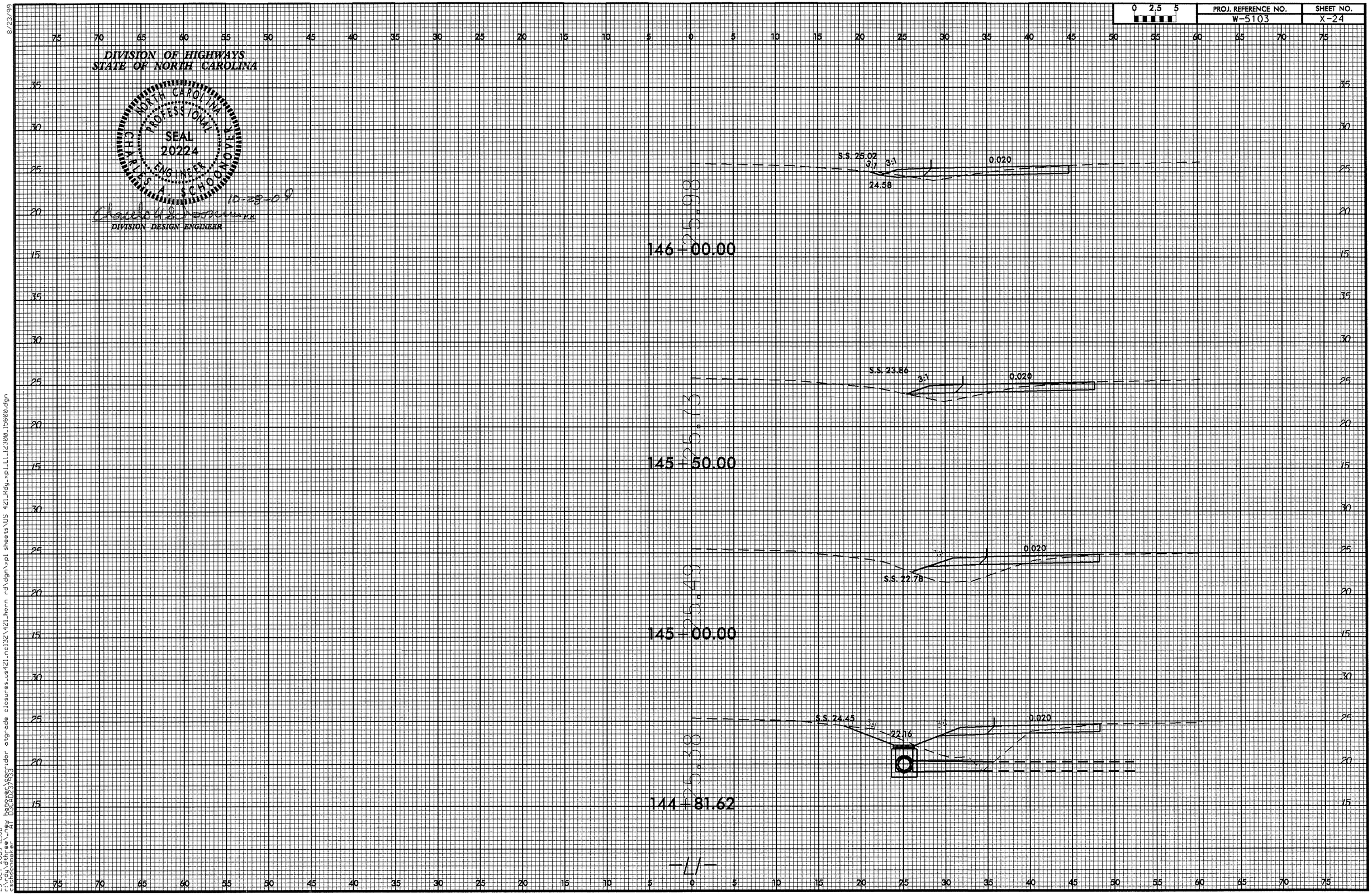

8/23/99

23-OCT-2009 12:08
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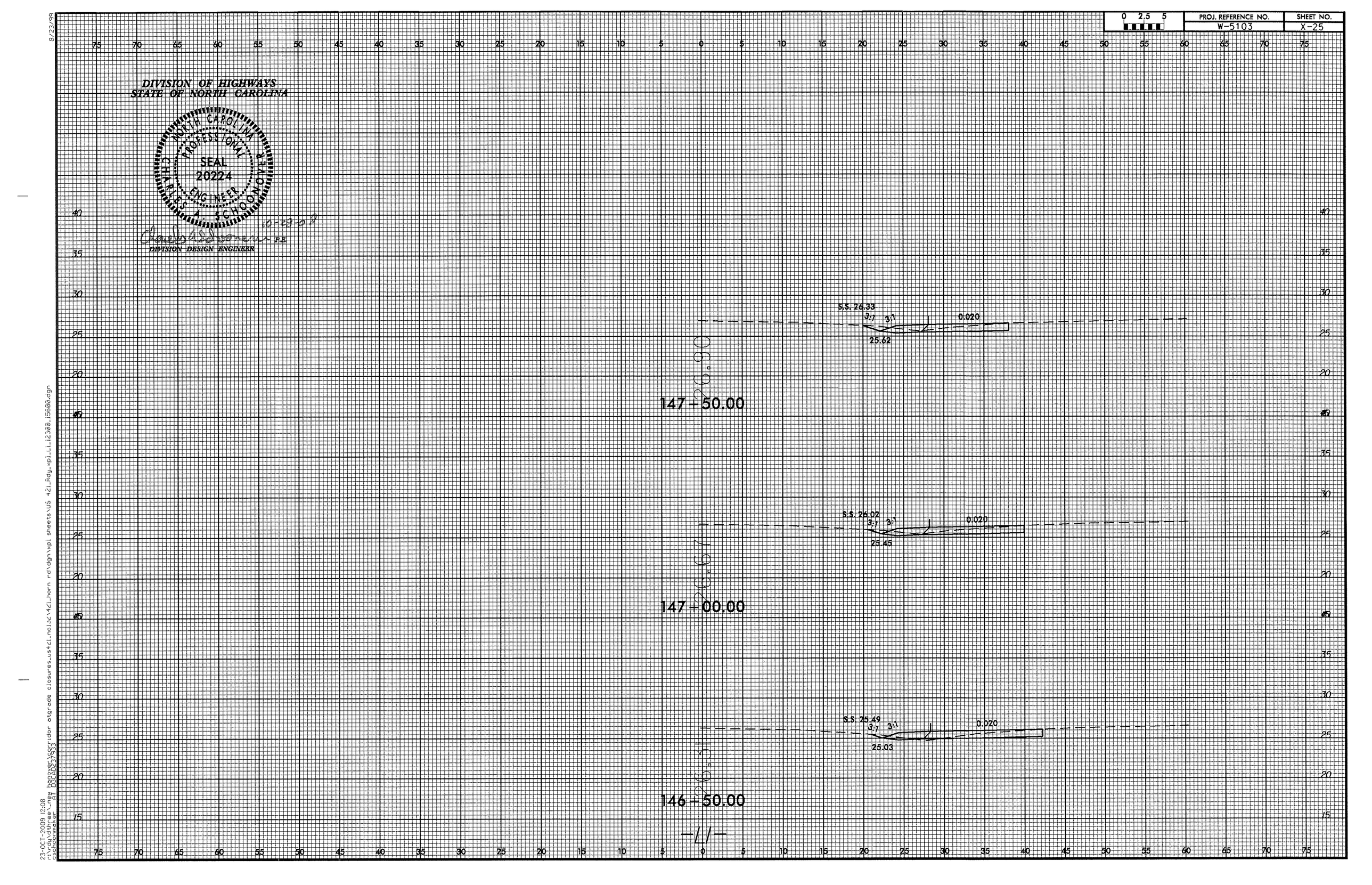

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PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-25
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
10-29-09
P.E.
DIVISION DESIGN ENGINEER
S.S. 26.33
3:1
3:1
0.020
25.62
26.90
147+50.00
S.S. 26.02
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0.020
25.45
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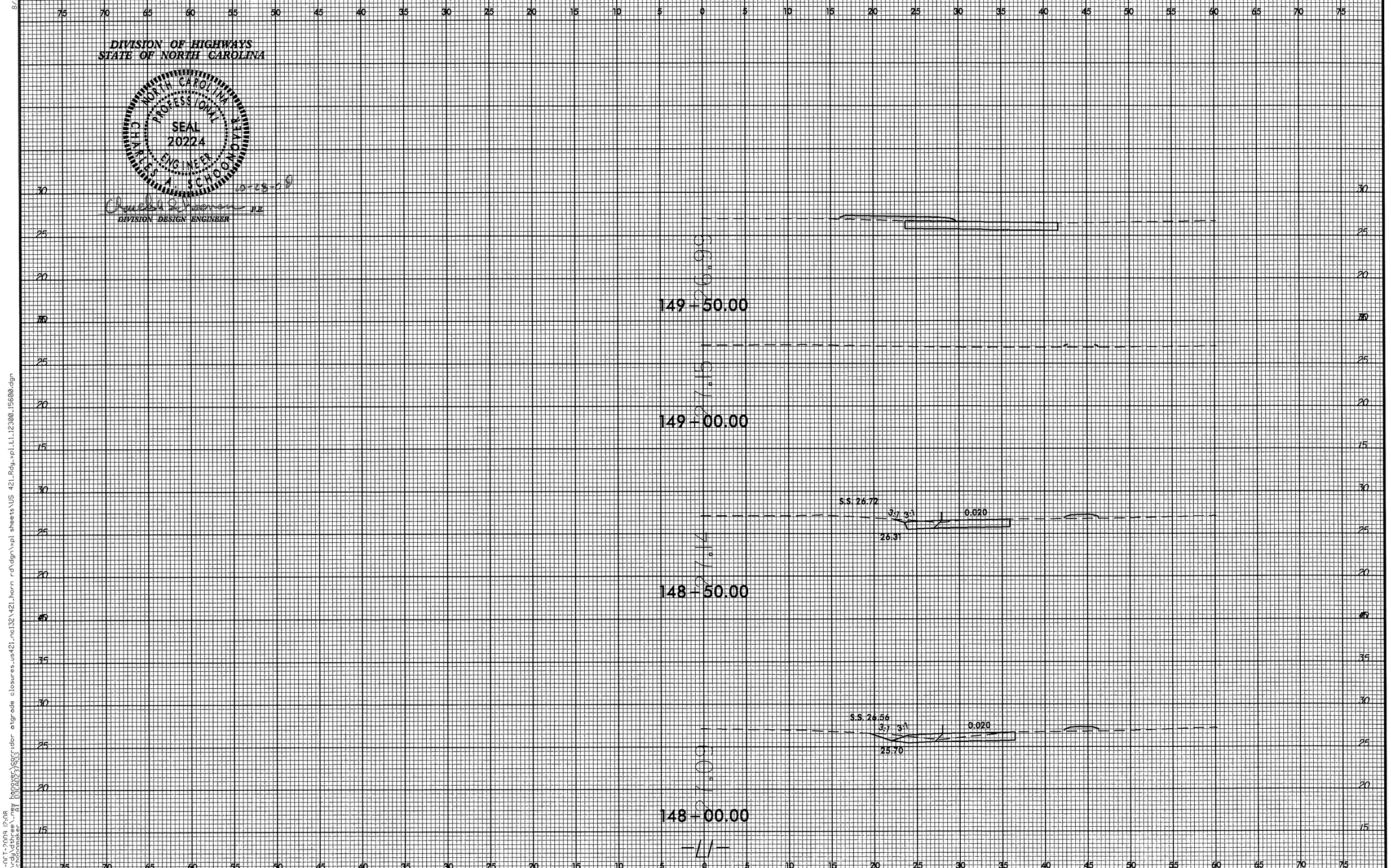
146+50.00
-L1-



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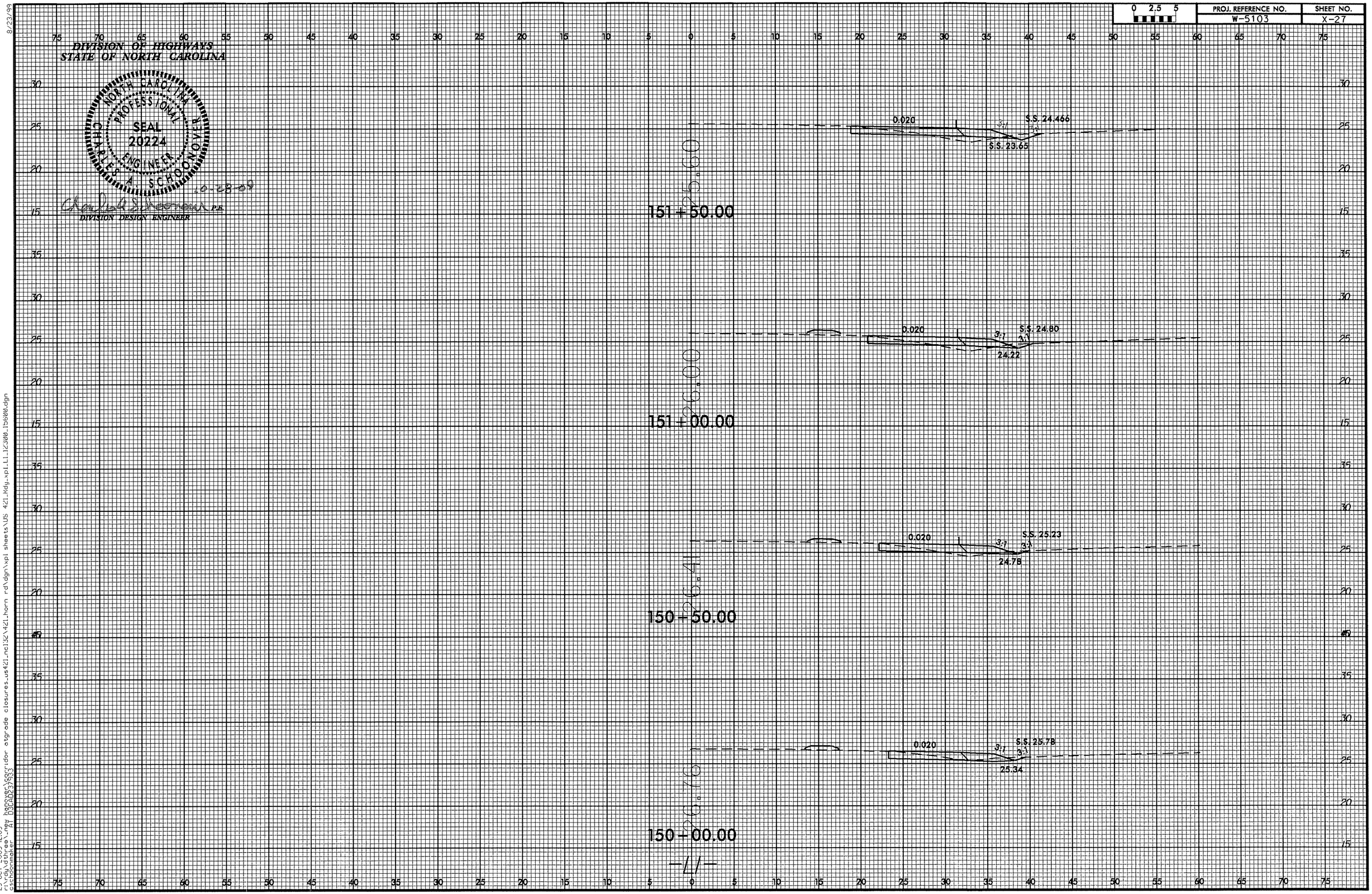

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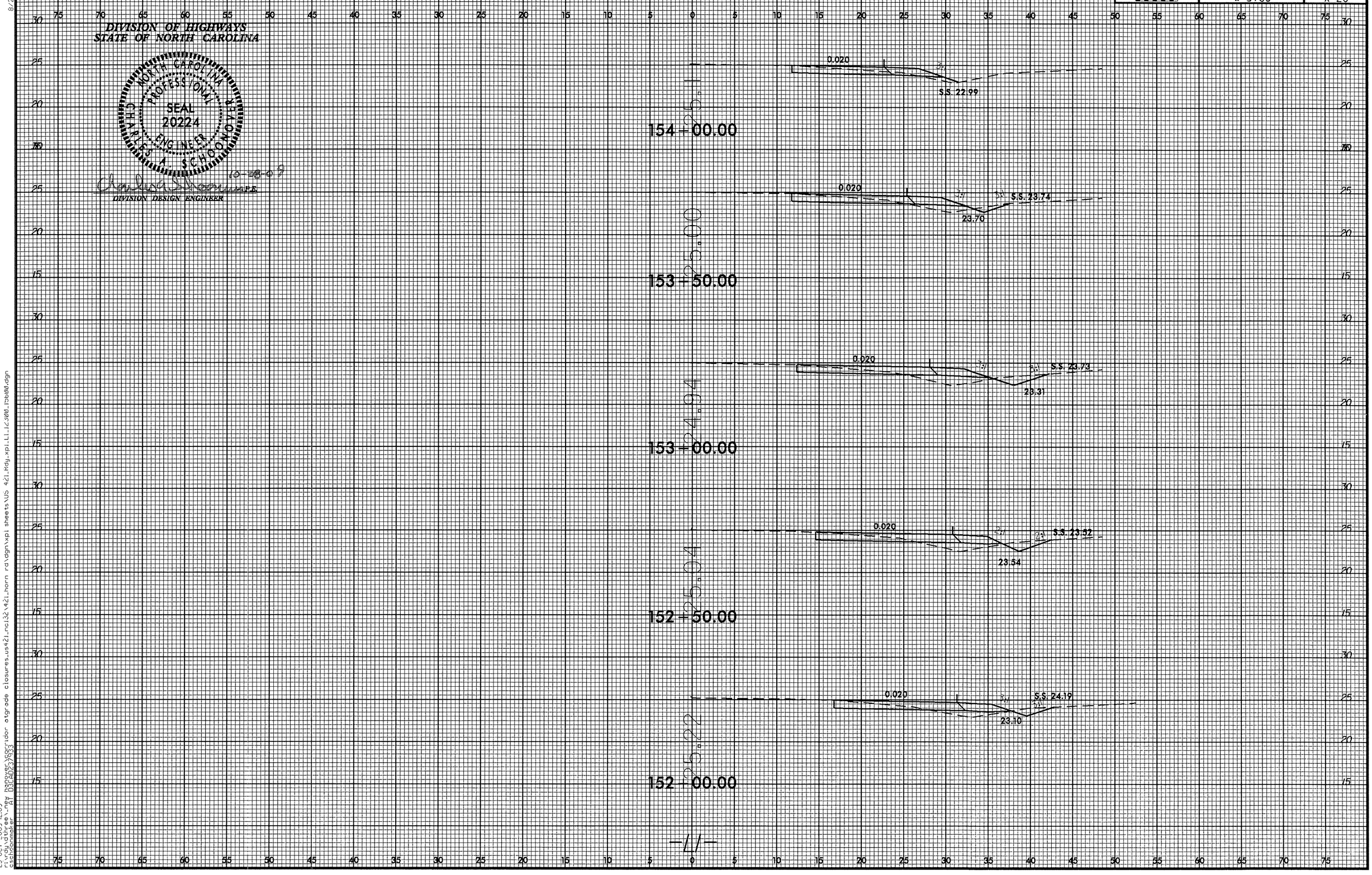

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PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-28
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
10-28-09
DIVISION DESIGN ENGINEER
154+00.00
153+50.00
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152+00.00
25.11
25.00
24.94
25.04
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0.020
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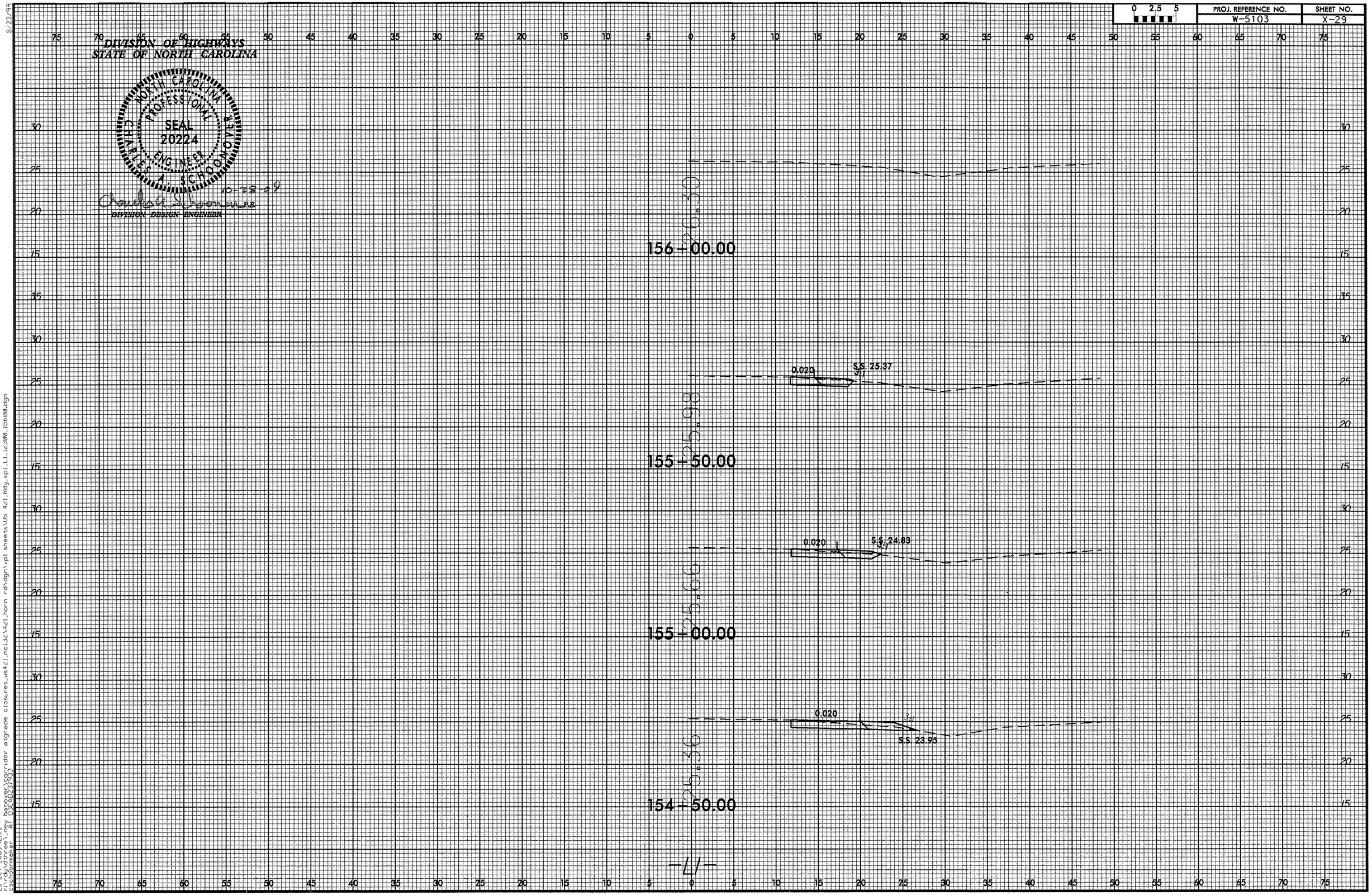

8/23/99

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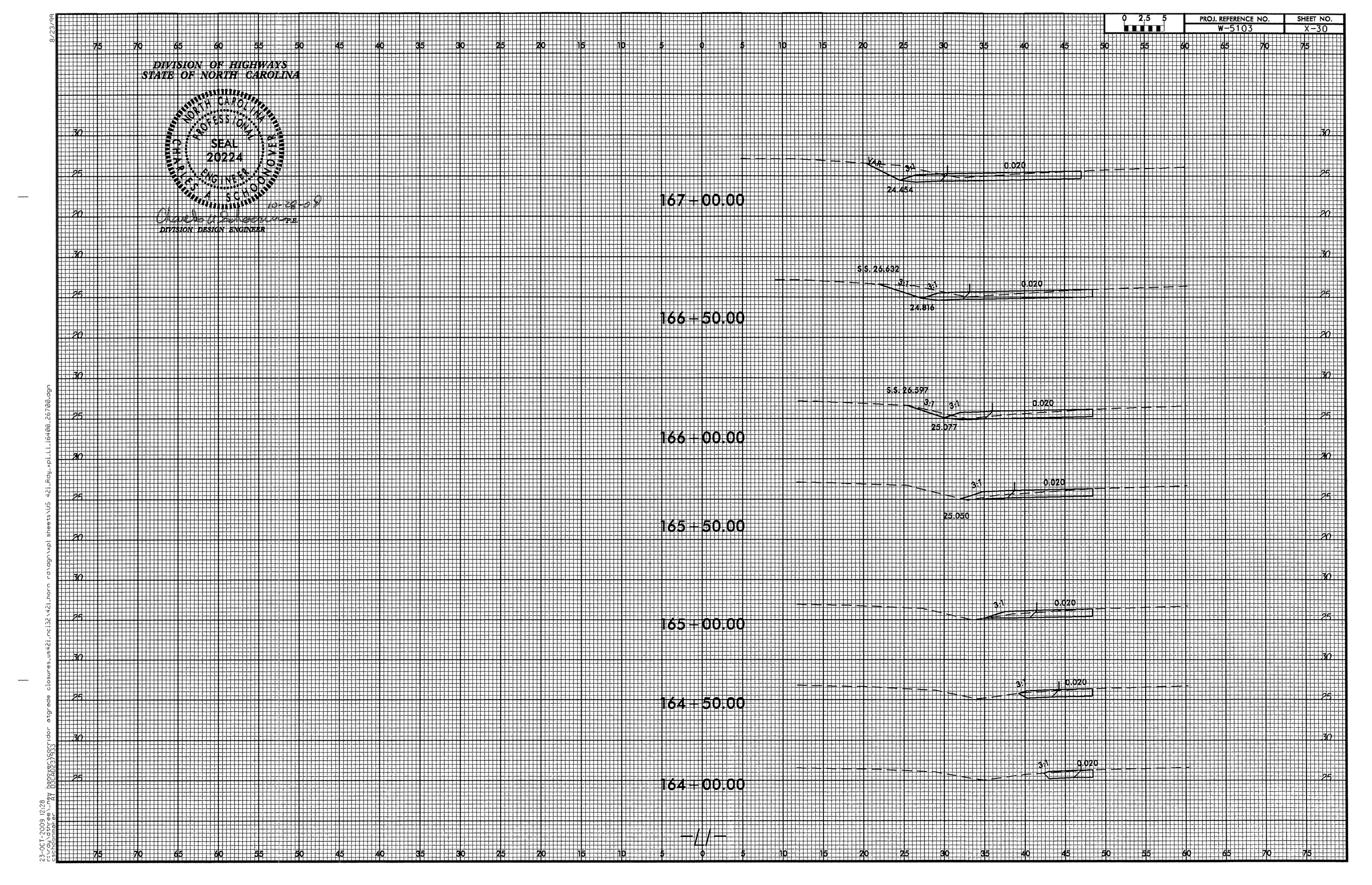

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PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-30
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
10-28-09
P.E.
DIVISION DESIGN ENGINEER
167+00.00
VAR.
3:1
0.020
24.454
166+50.00
S.S. 26.632
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0.020
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25.050
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164+50.00
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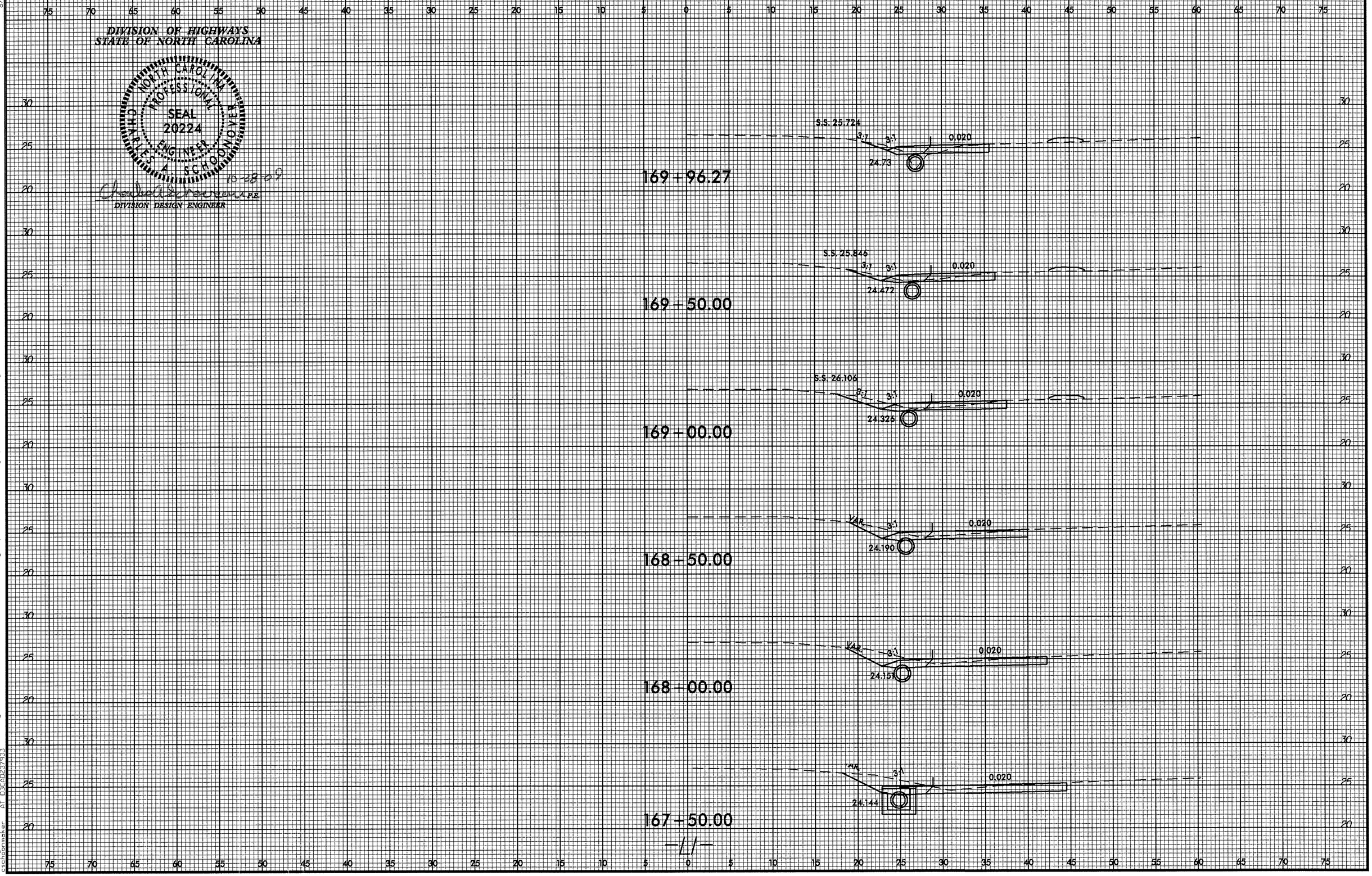
PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-31



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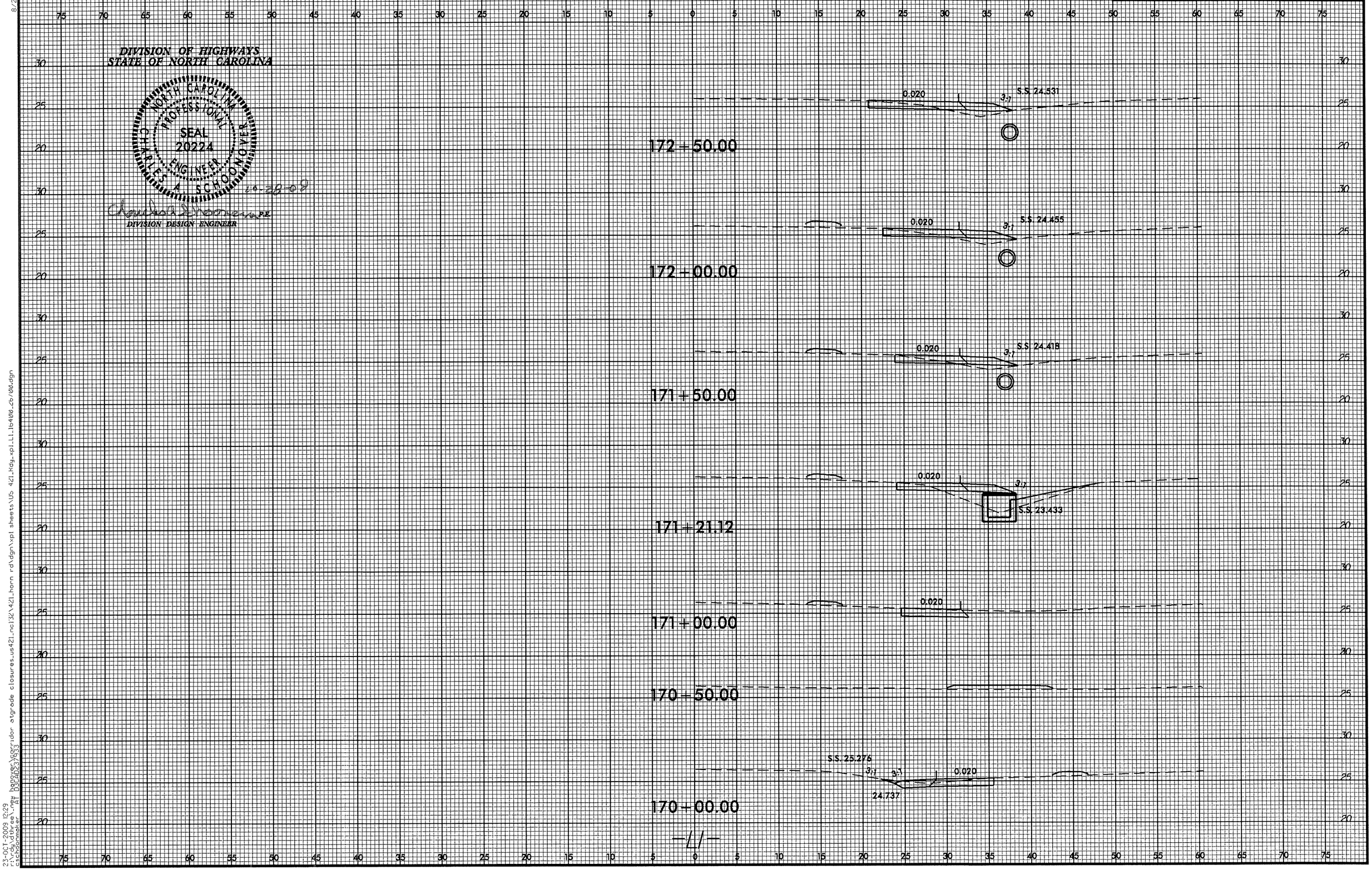

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W-5103
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X-32
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
20-28-09
P.E.
DIVISION DESIGN ENGINEER
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172+50.00
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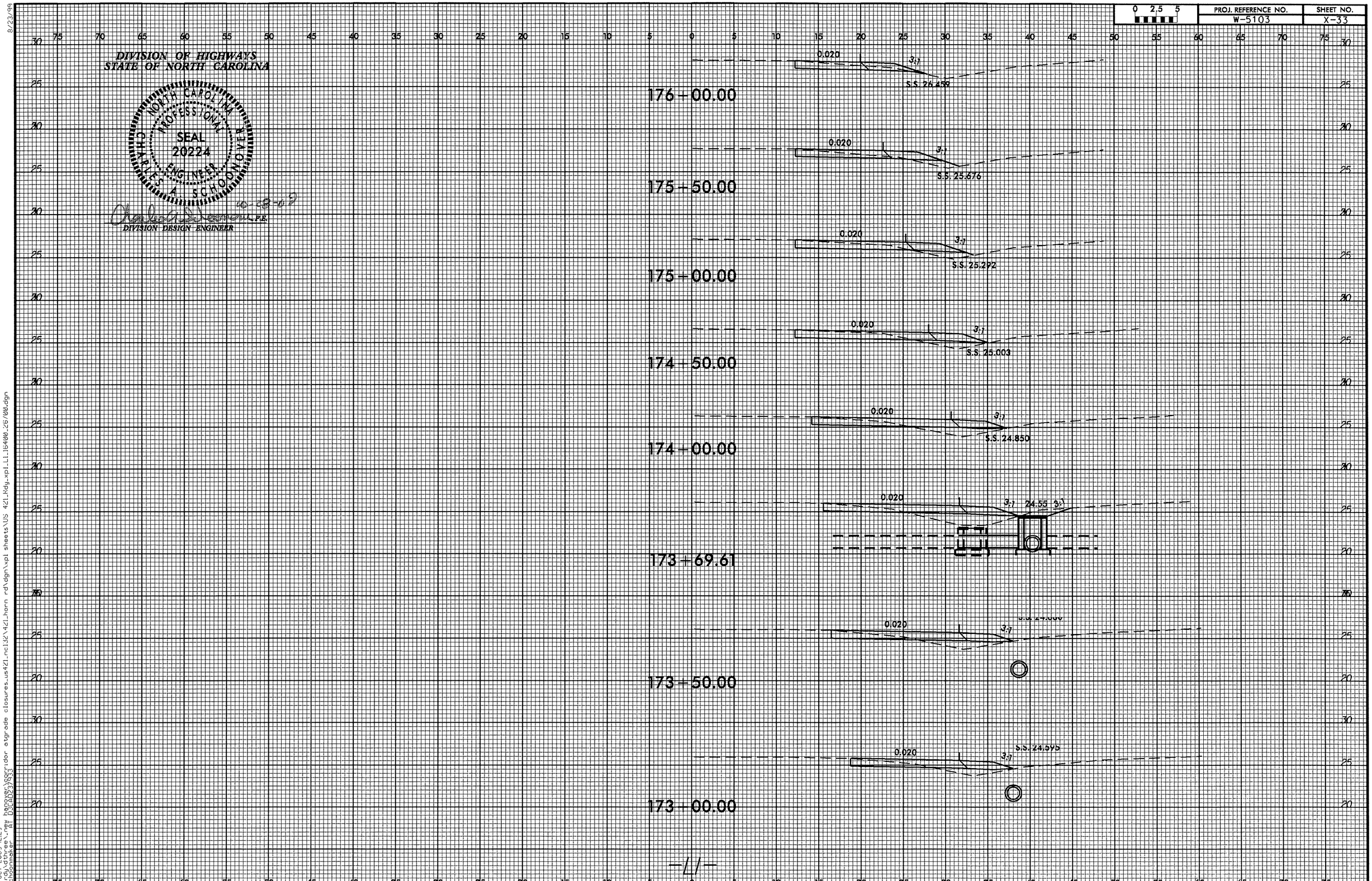

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23-OCT-2009 12:29
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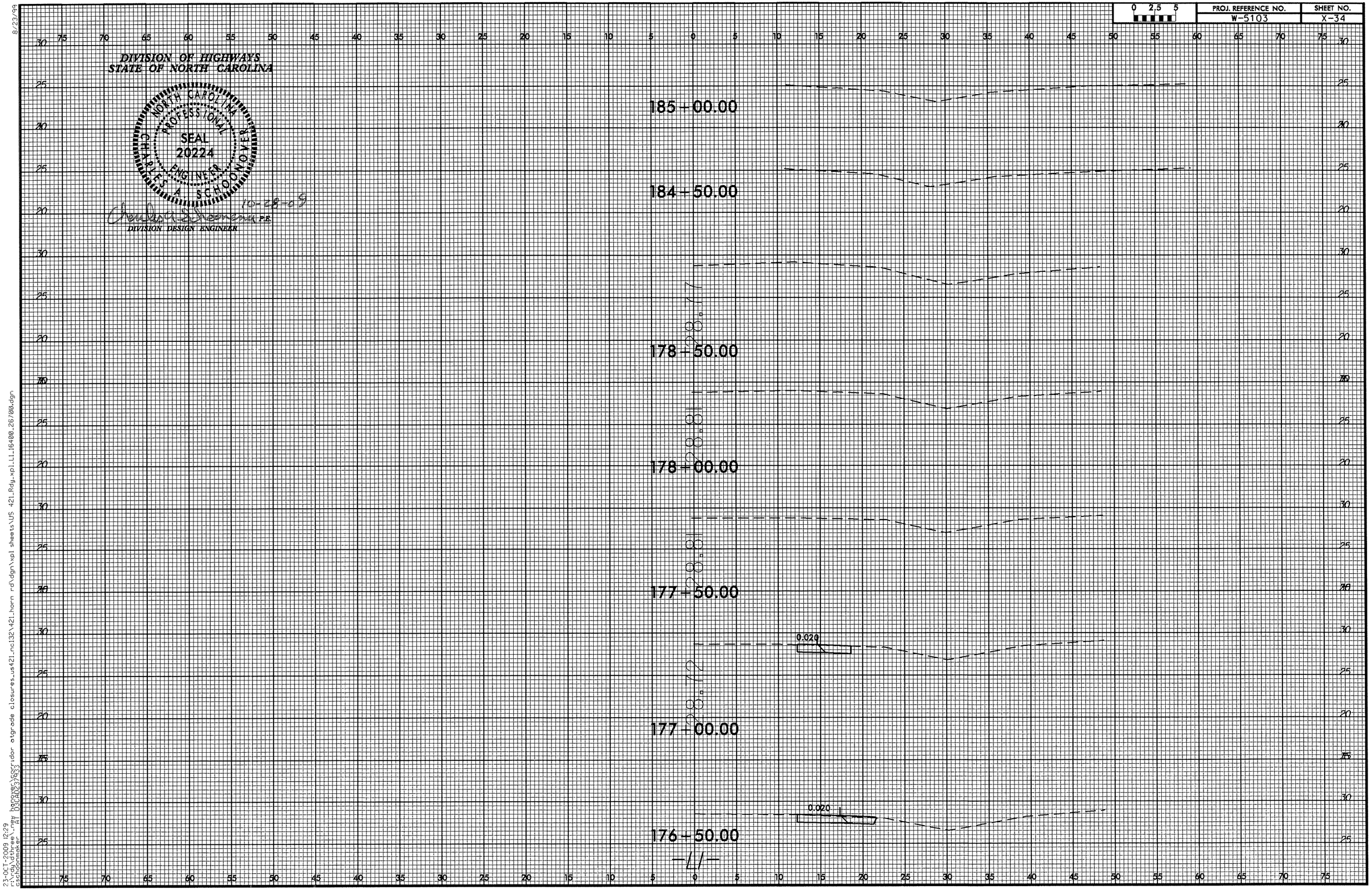

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cschoonmaker AT D3CAD237933

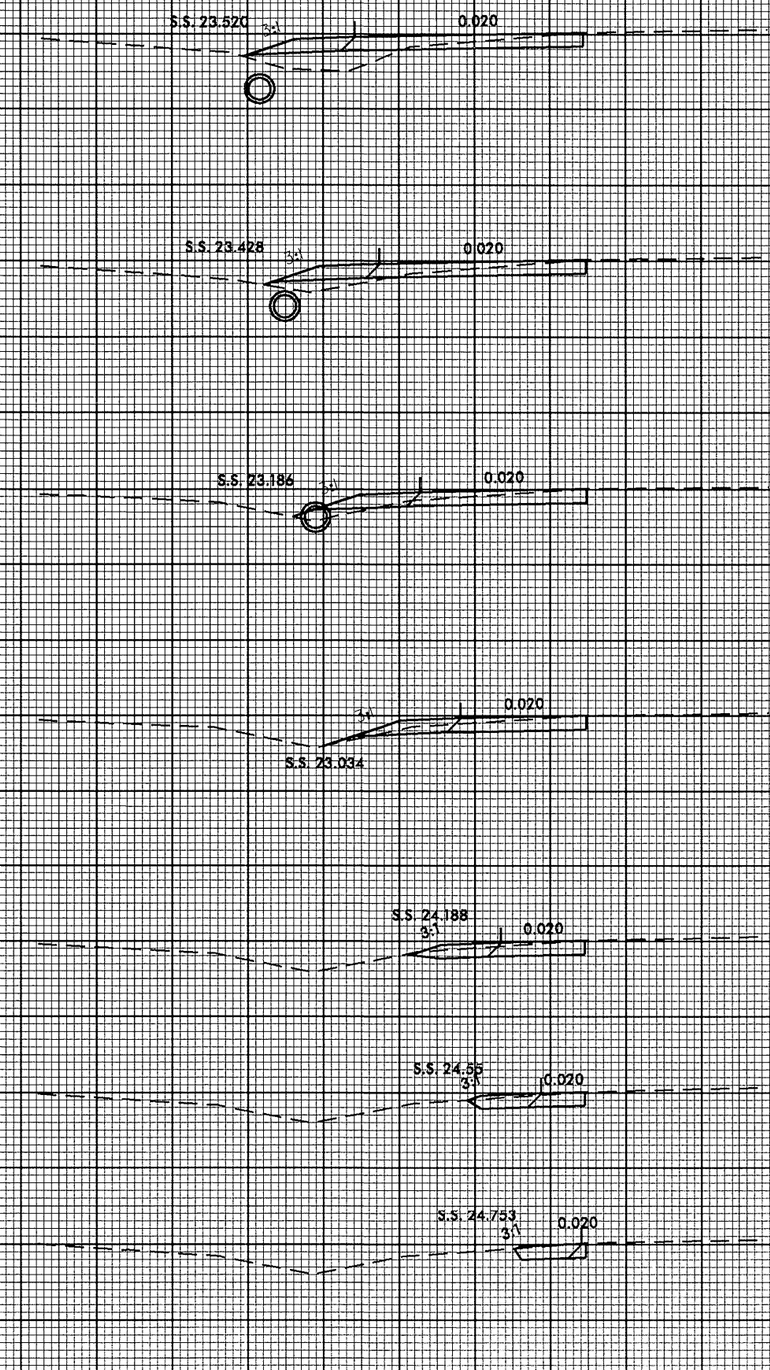
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-35

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-23-09

DIVISION DESIGN ENGINEER P.E.



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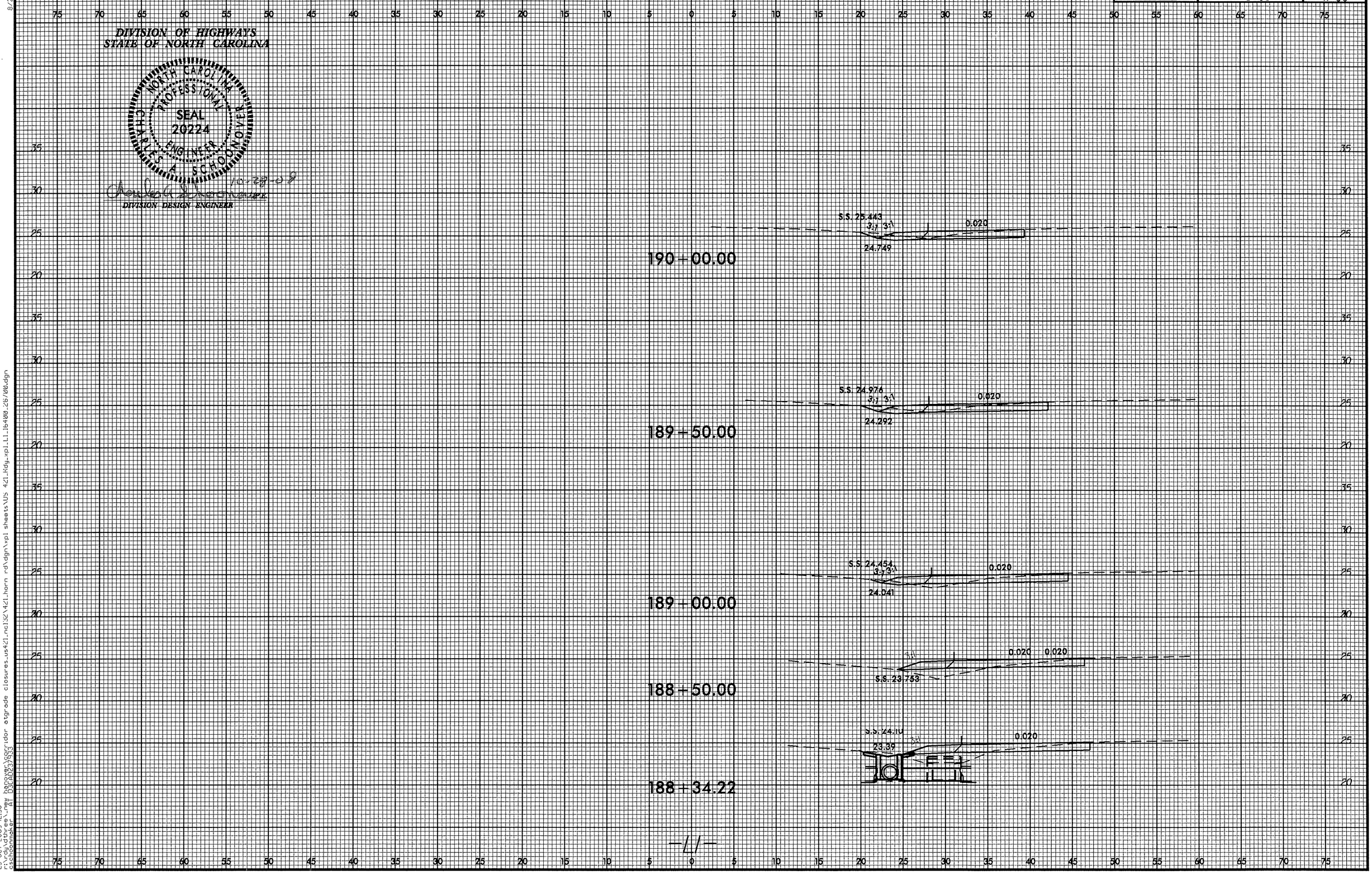

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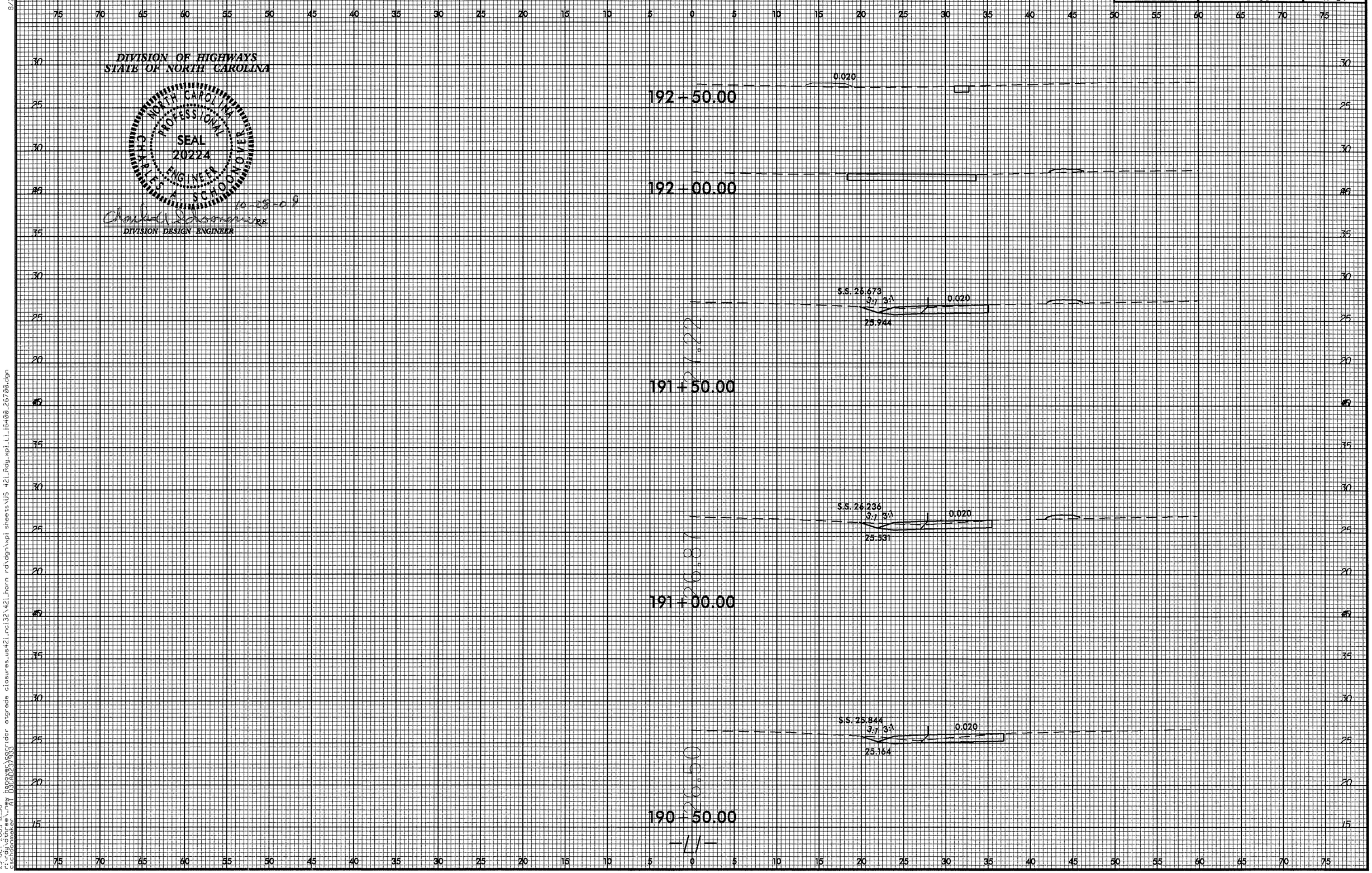
cschoonmaker AT D3CAD237933



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cschoonmaker AT D3CAD237933

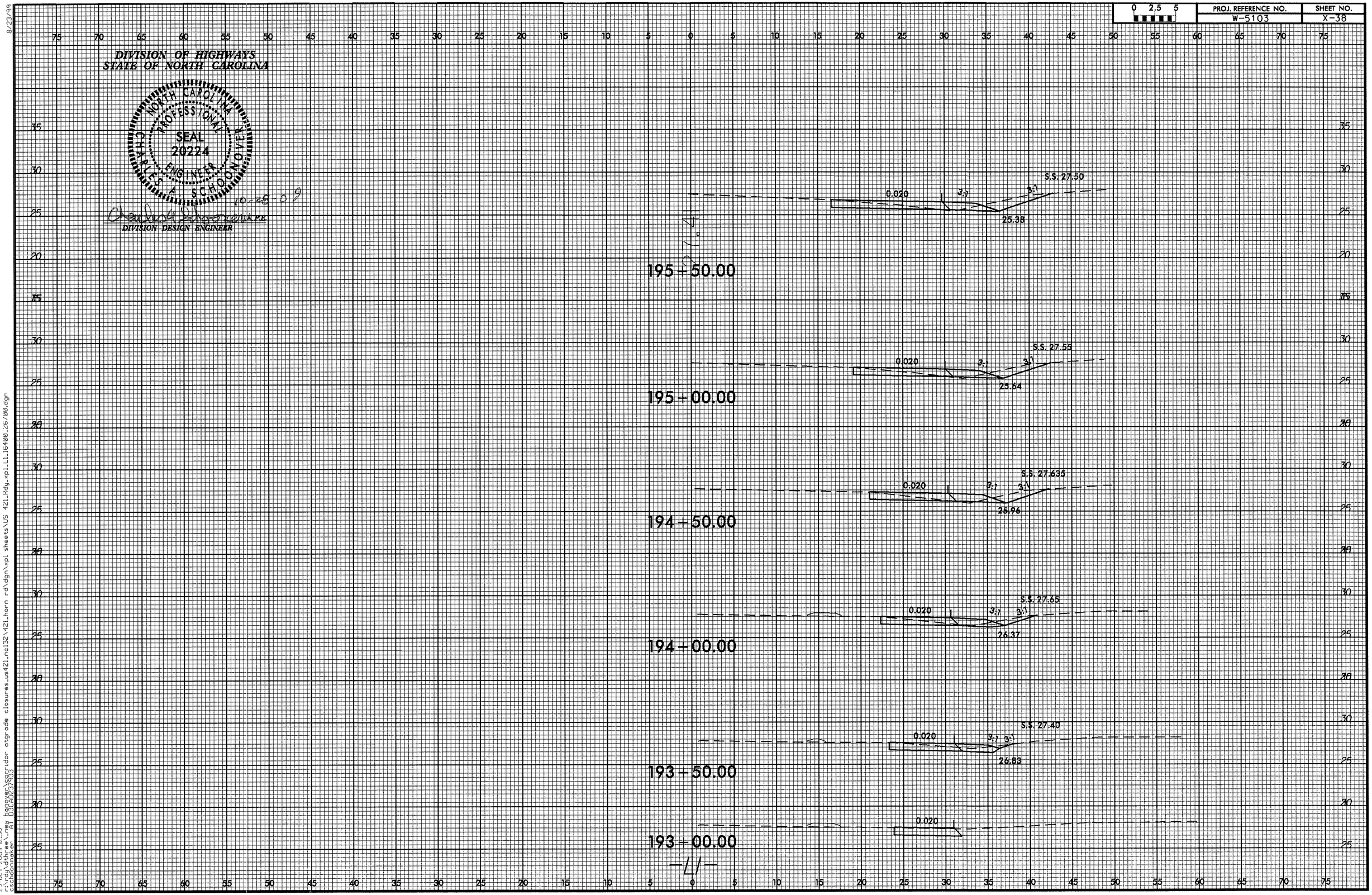
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-38

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-28-09

DIVISION DESIGN ENGINEER



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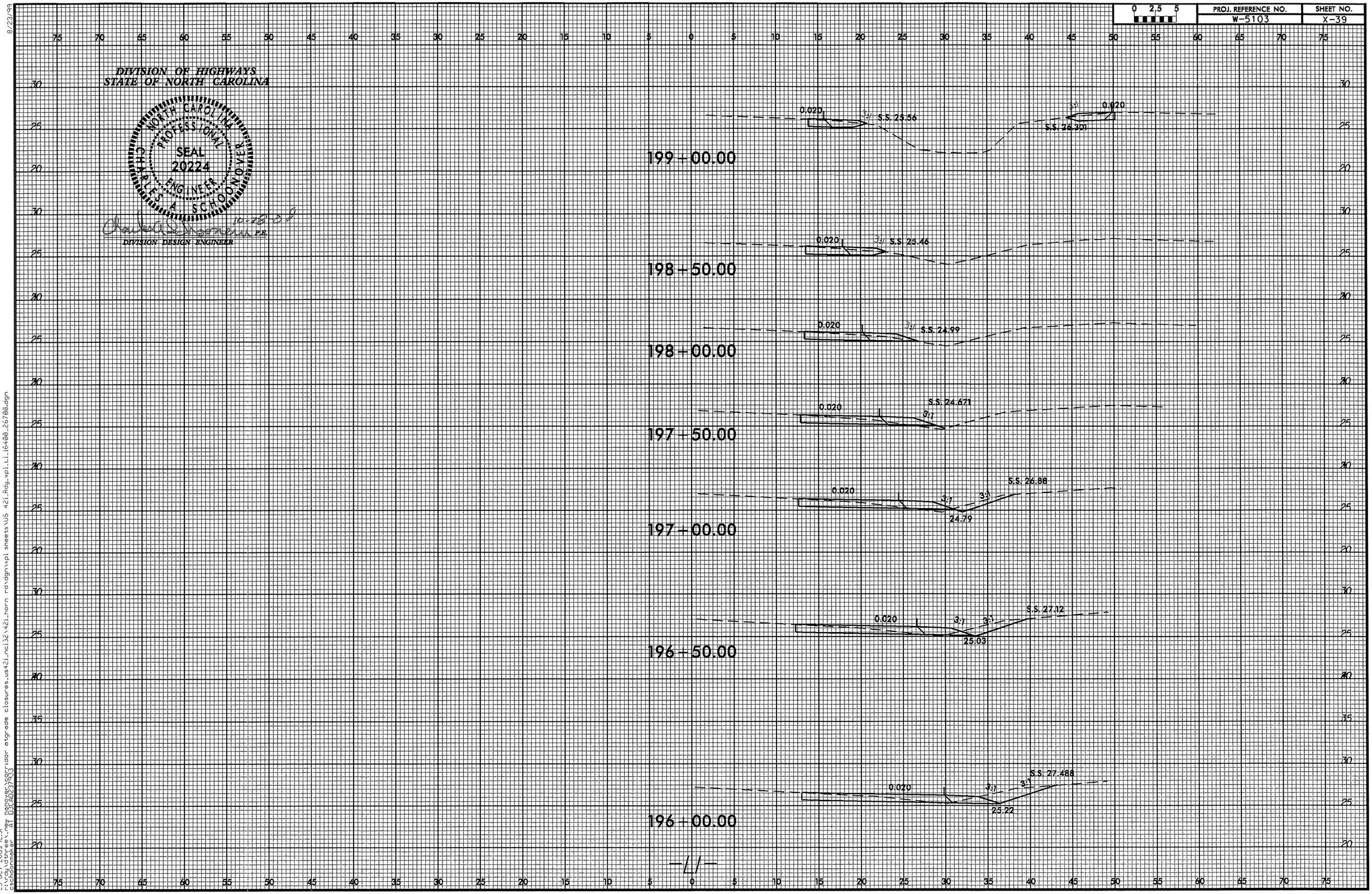
8/23/99



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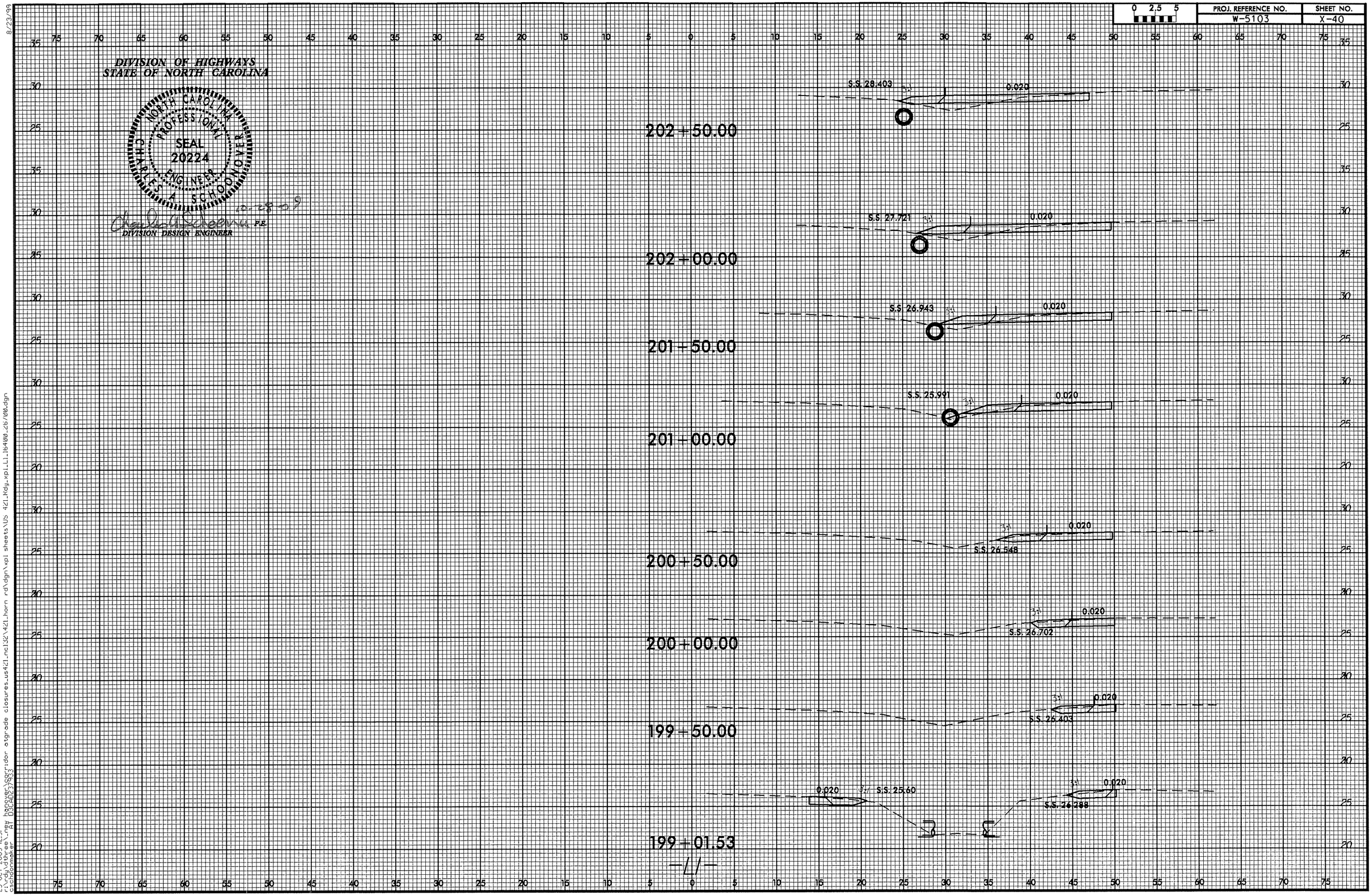
cschoonmaker AT D3CAD237933



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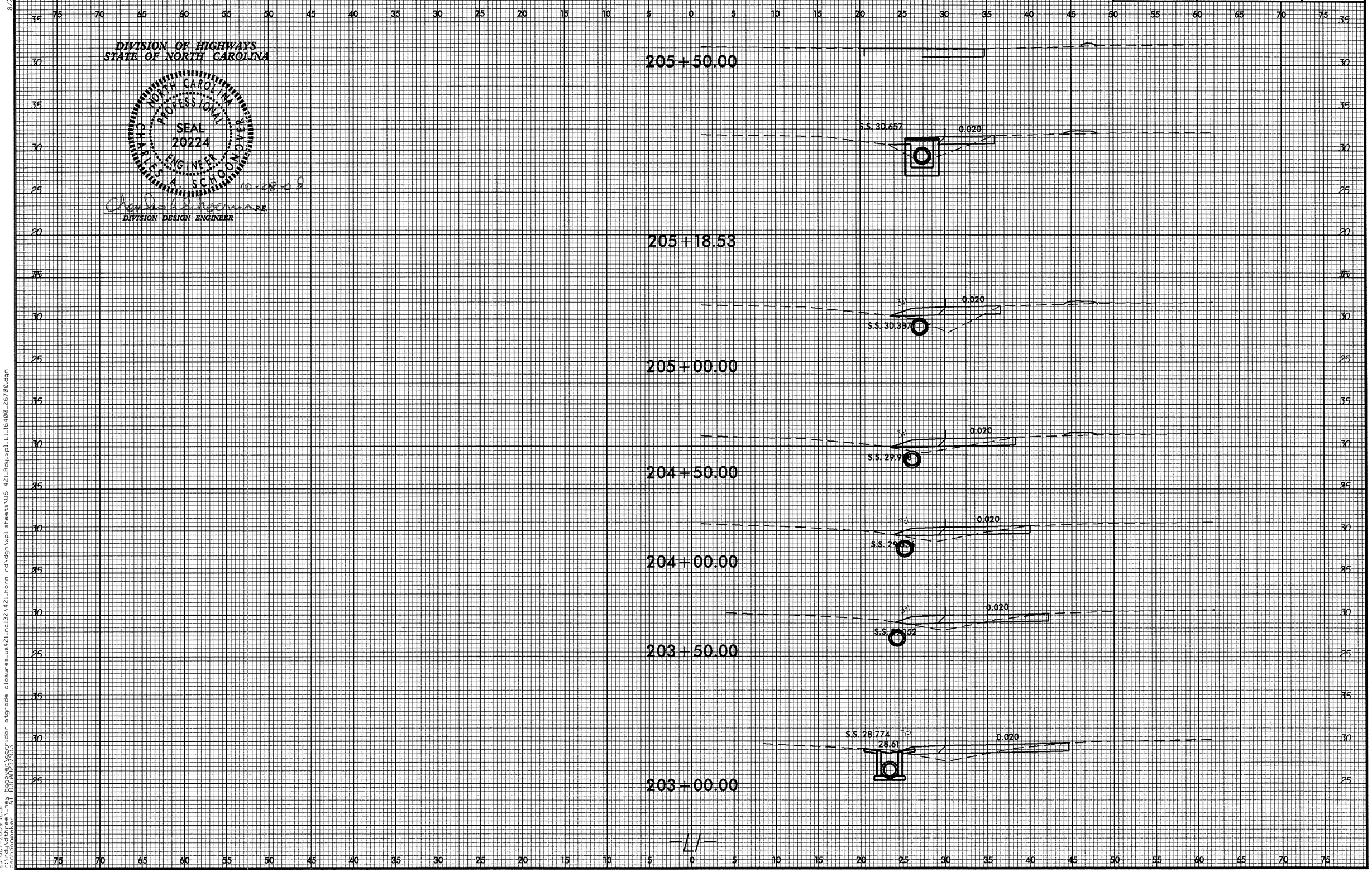
PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-41



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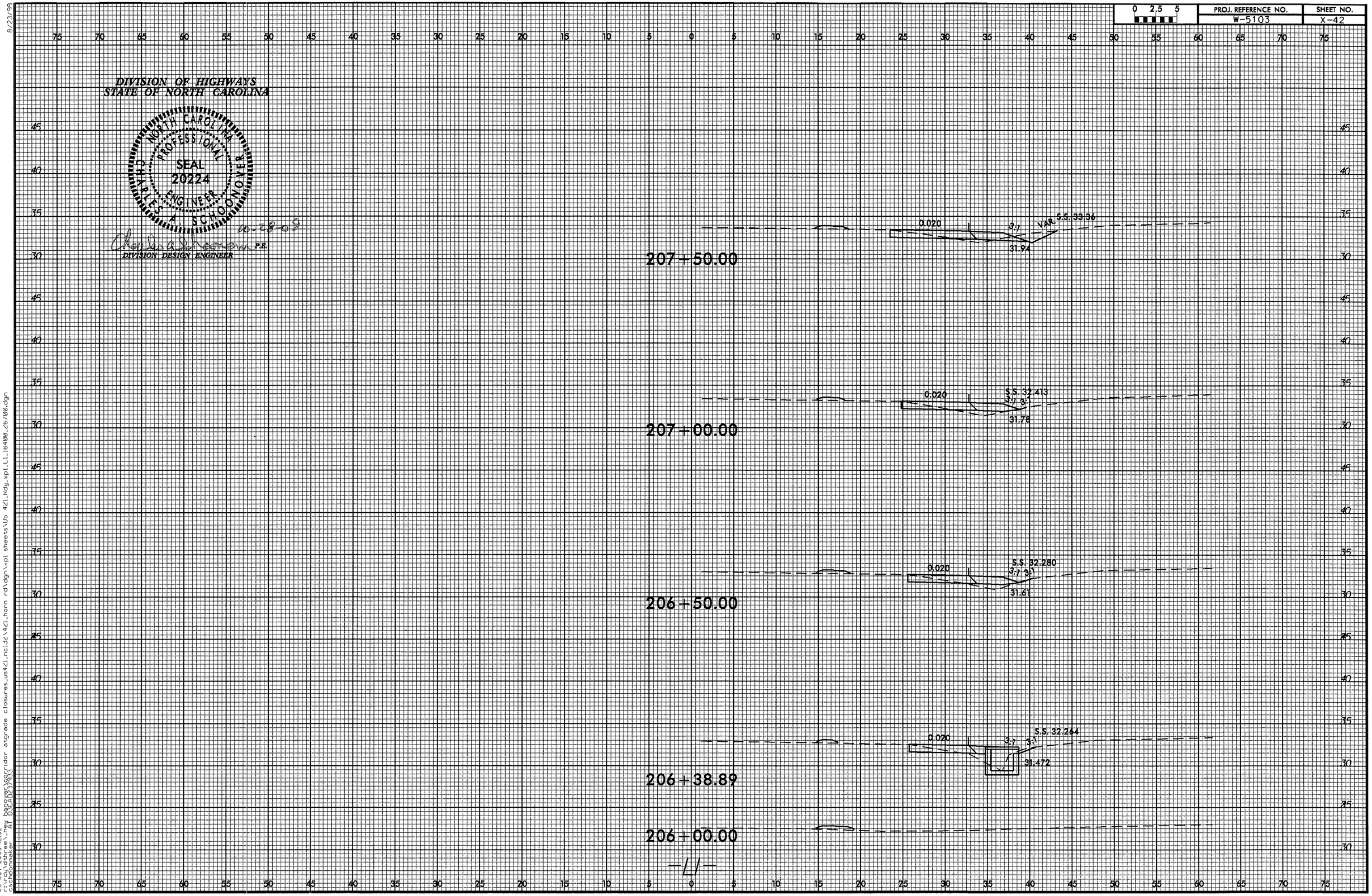
cschoonmaker AT D3CAD237933



8/23/99

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cschoonmaker AT D3CAD237933

PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-43

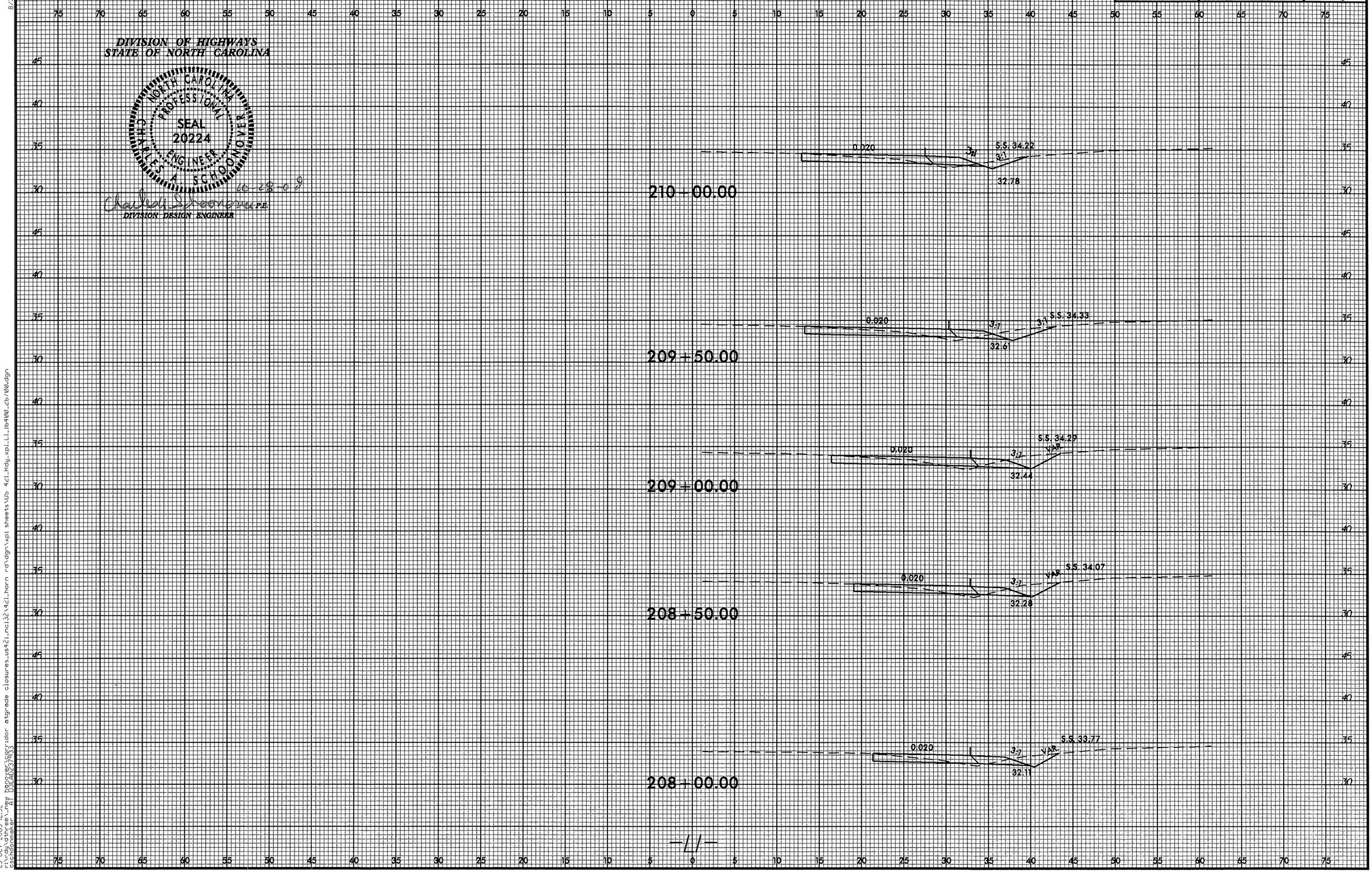
0 2.5 5

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-28-09

Charles A. Schoonover P.E.
DIVISION DESIGN ENGINEER



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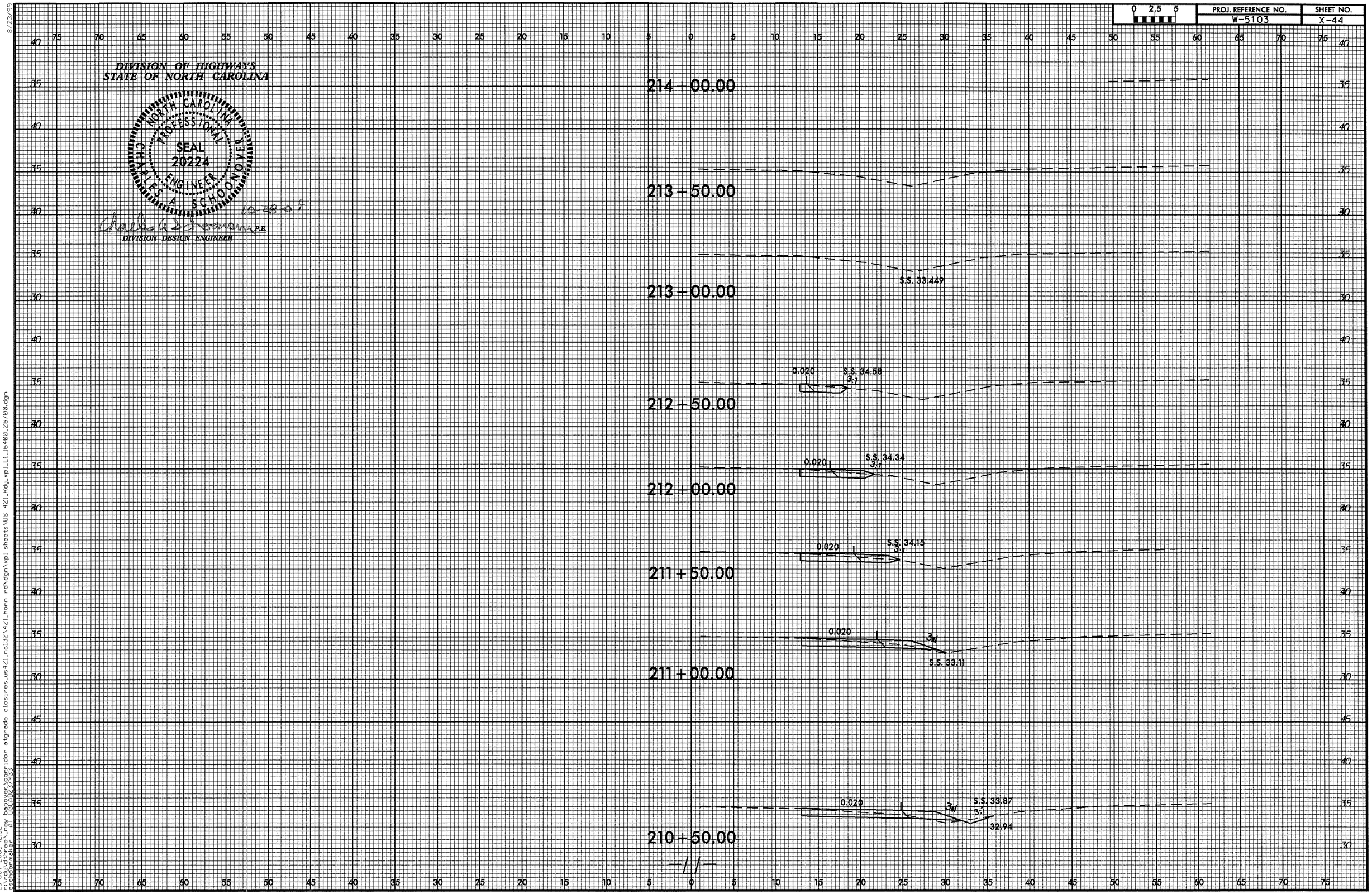

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cschoonmaker AT D3CAD237933

PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-45

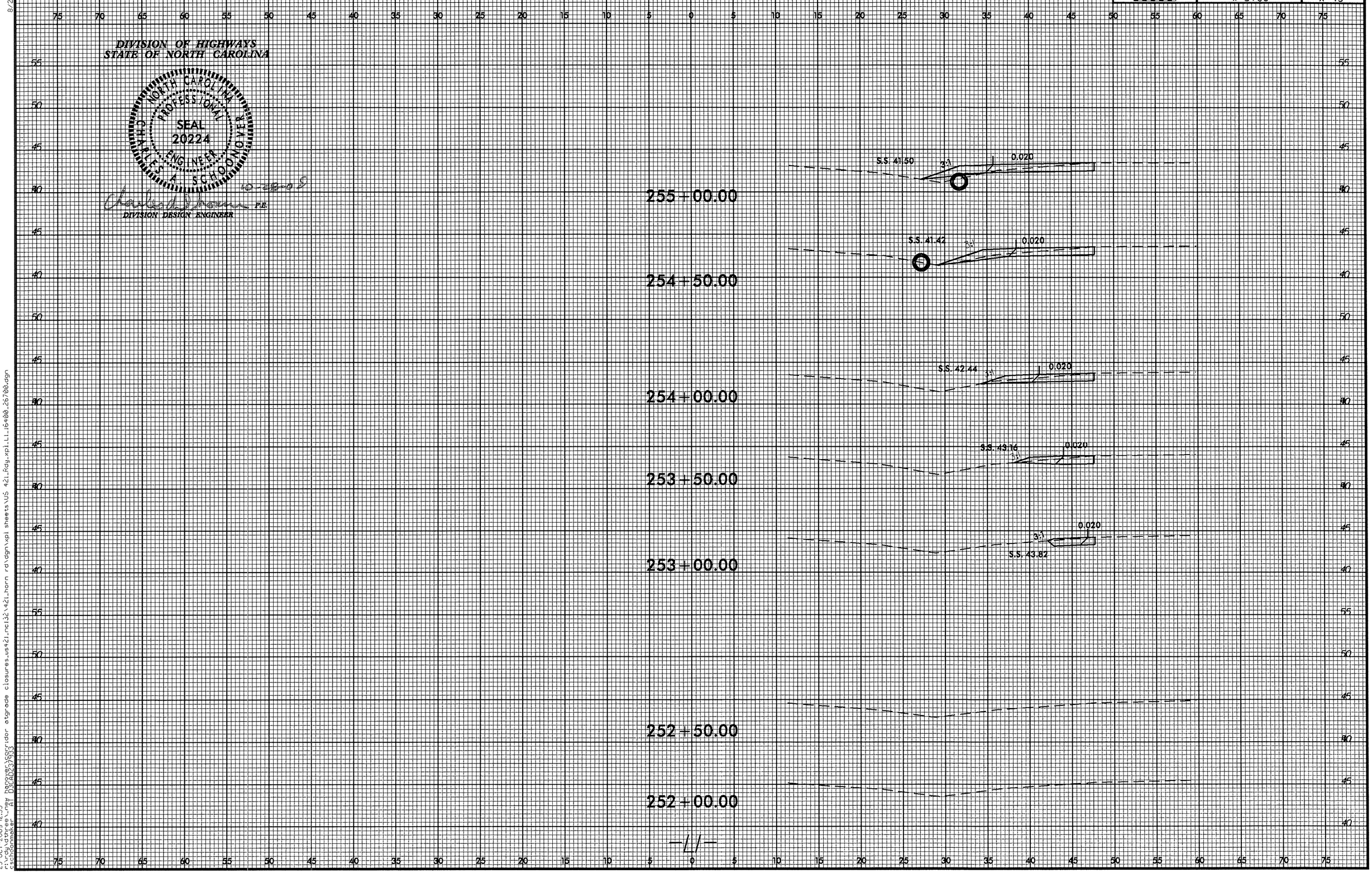
0 2.5 5

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-28-09

Charles A. Schoonover P.E.
DIVISION DESIGN ENGINEER



8/23/99

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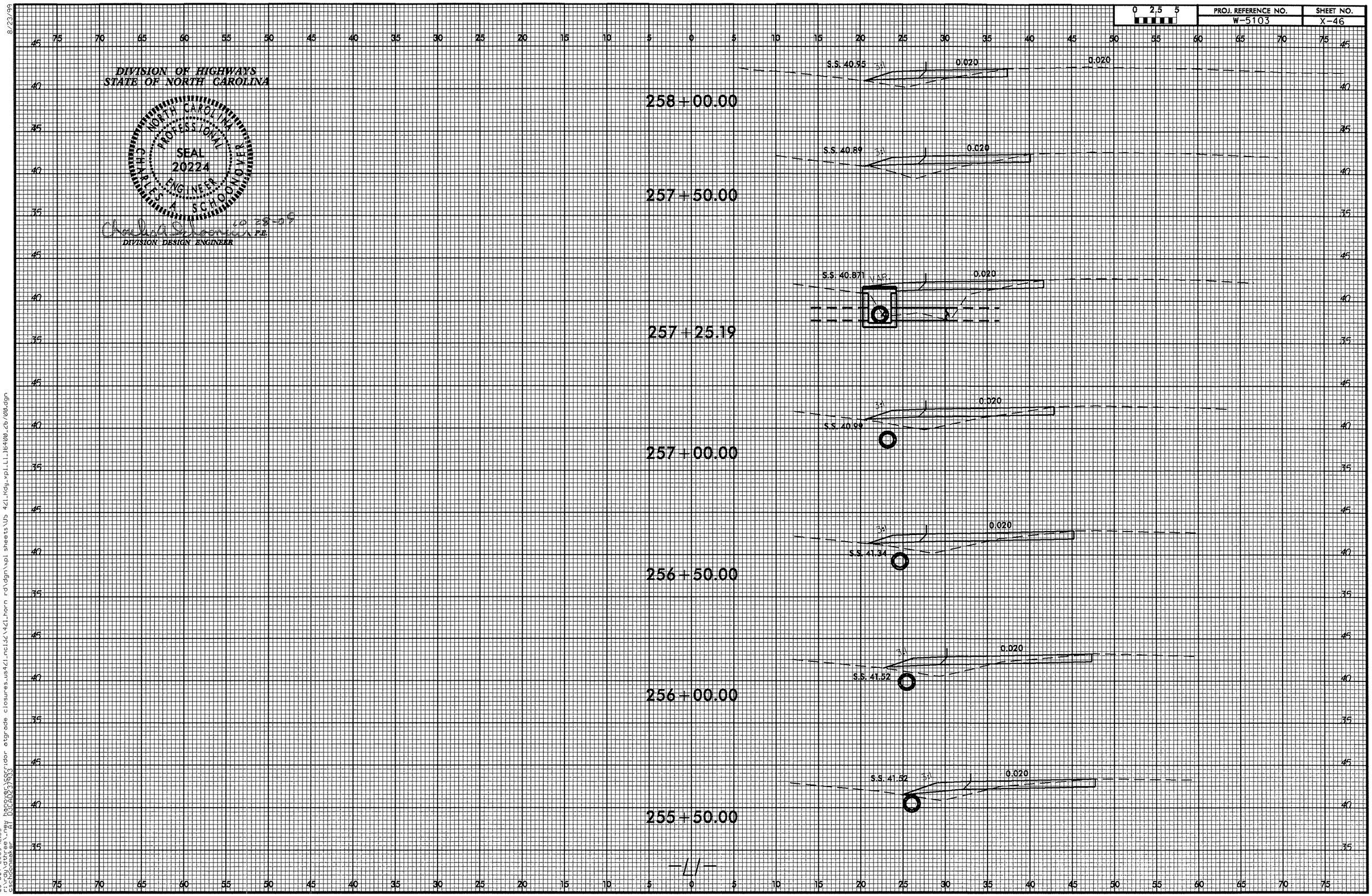
cschoonmaker AT D3CAD237933



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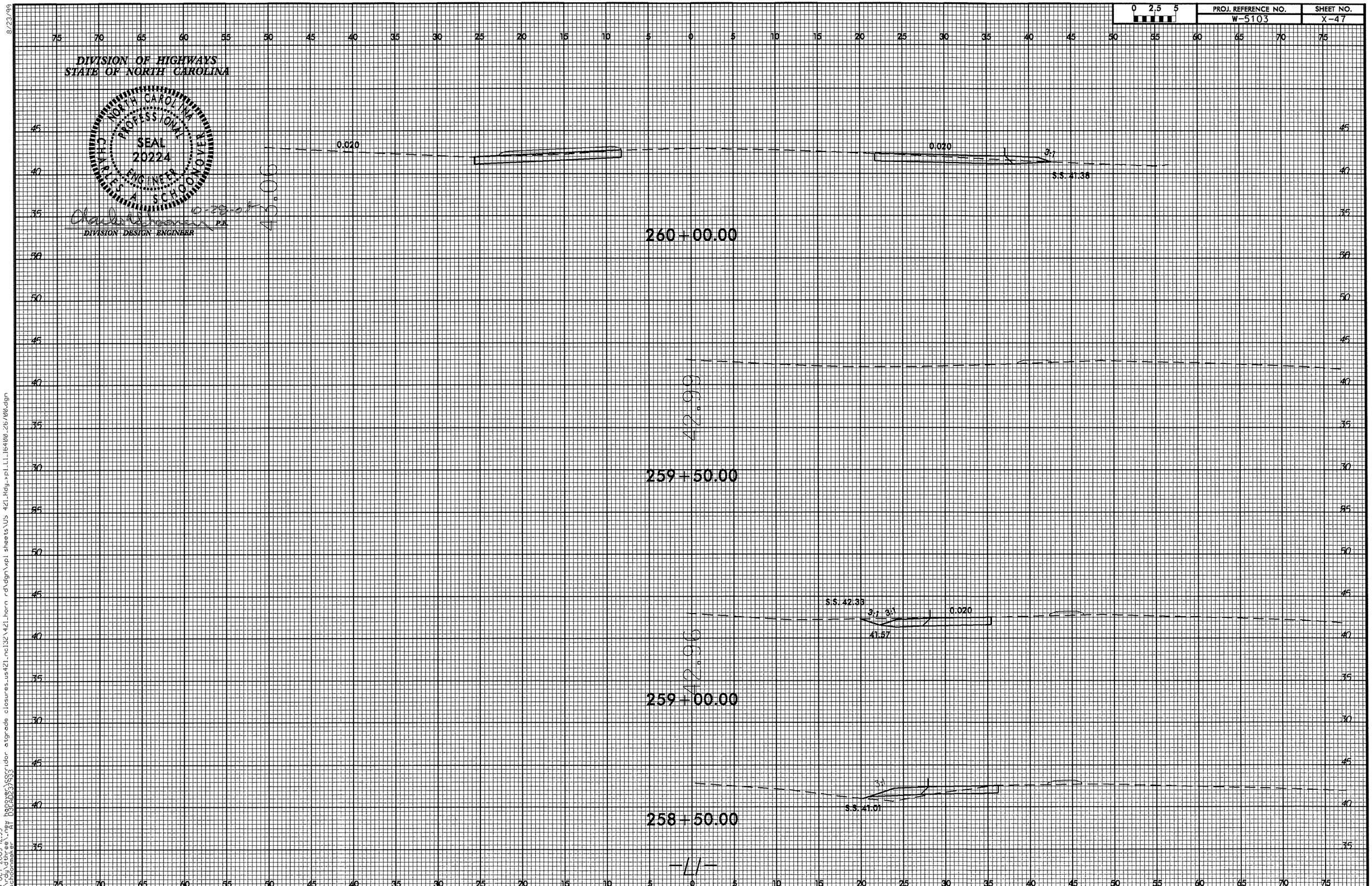
cschoonmaker AT D3CAD237933



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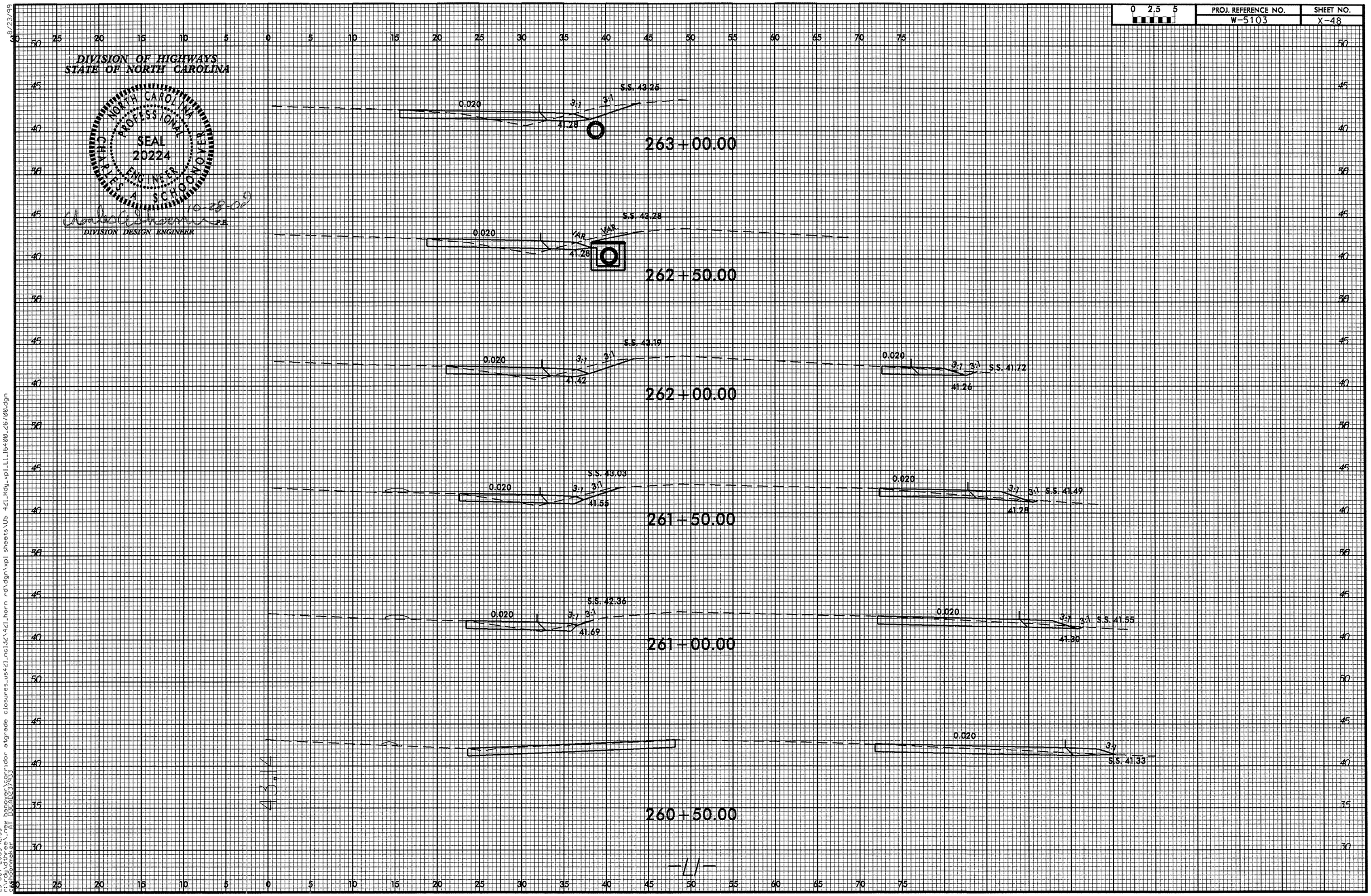
cschoonmaker AT D3CAD237933



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cschoonmaker AT D3CAD237933

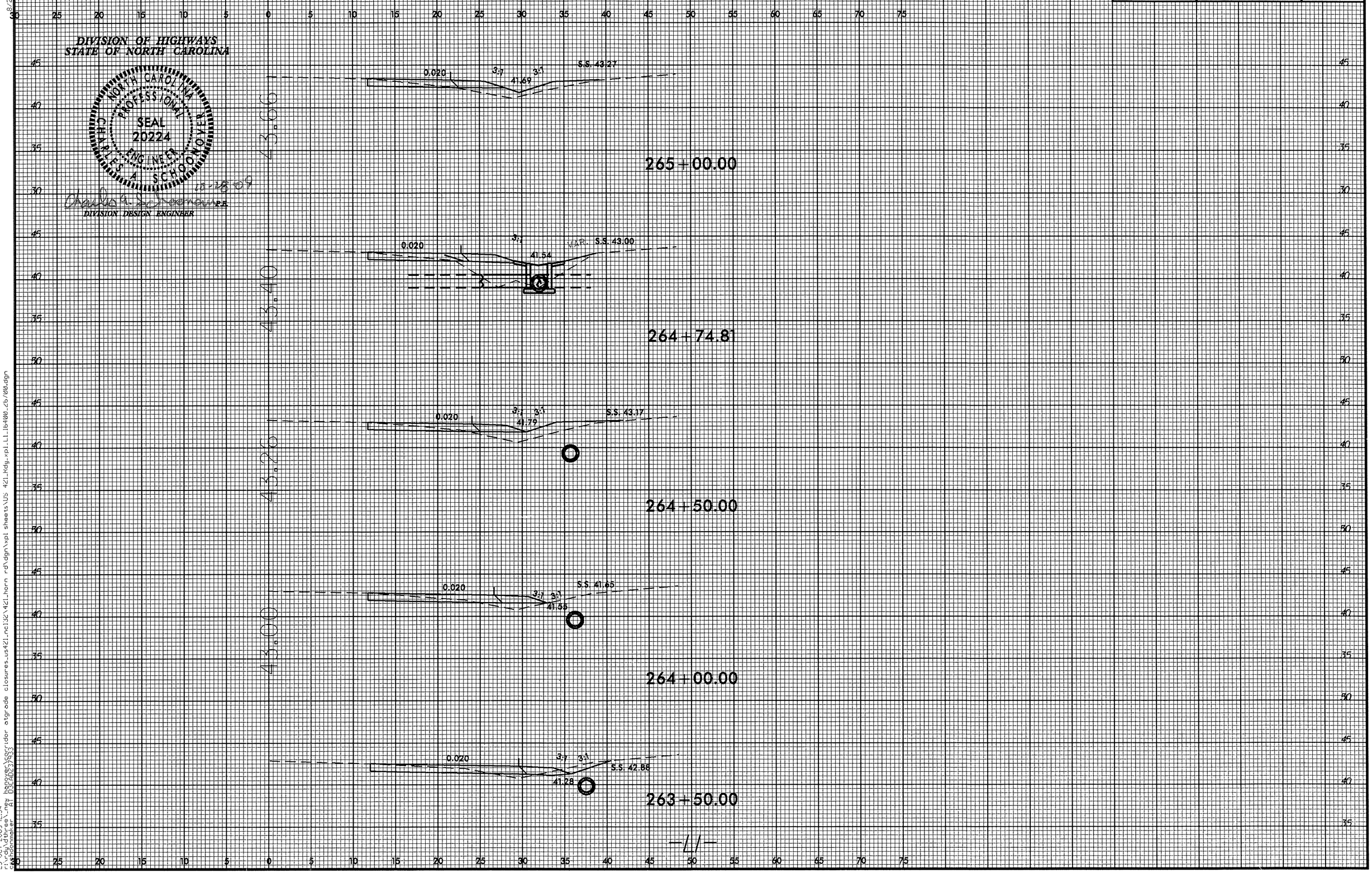
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-49

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONMAKER

10-28-09

DIVISION DESIGN ENGINEER



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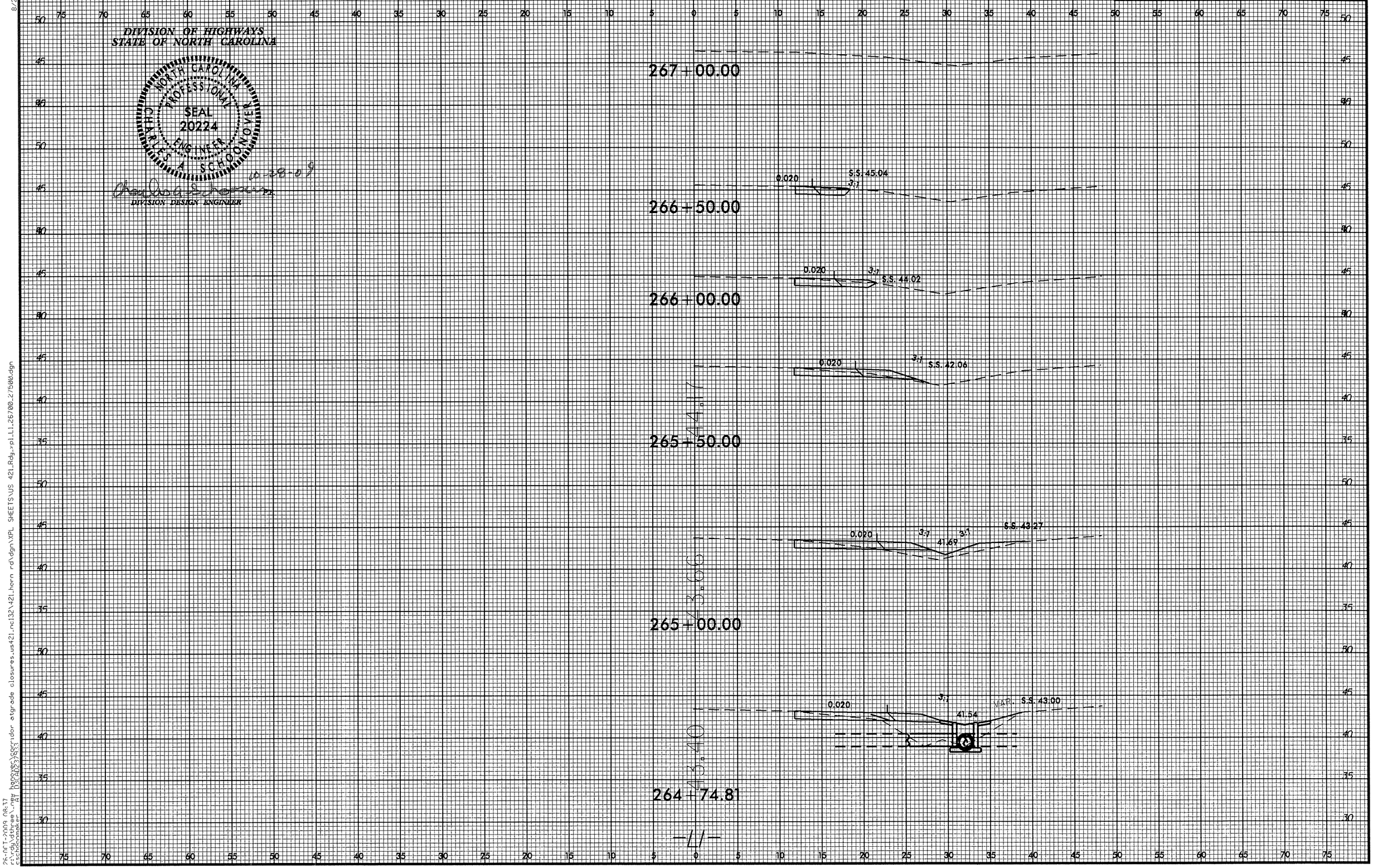
cschoonmaker AT D3CAD237933



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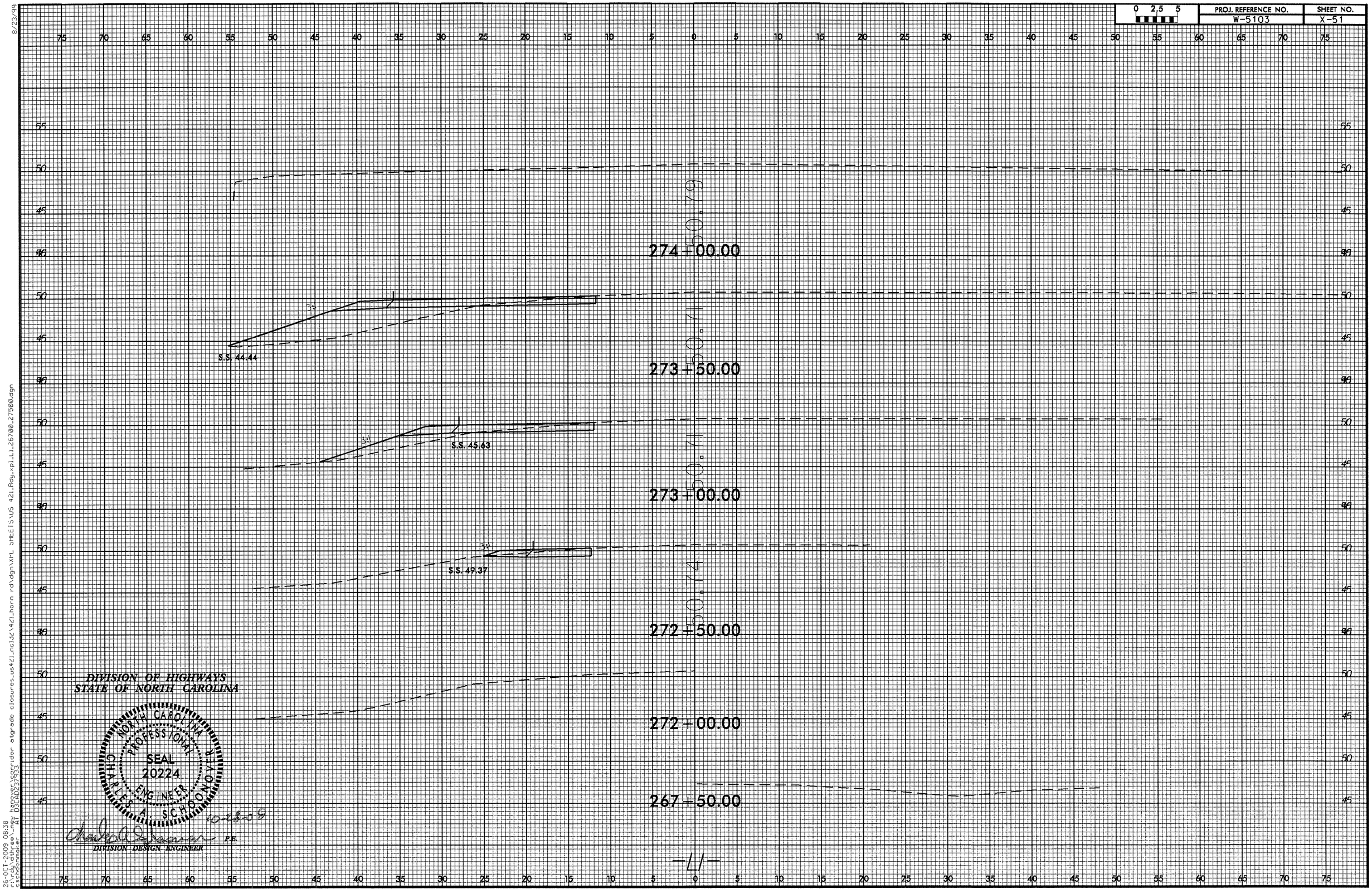
PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-50
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
10-28-09
DIVISION DESIGN ENGINEER
267+00.00
0.020
S.S. 45.04
3:1
266+50.00
0.020
3:1
S.S. 44.02
266+00.00
0.020
3:1
S.S. 42.06
44.17
265+50.00
0.020
3:1
41.69
3:1
S.S. 43.27
43.66
265+00.00
0.020
3:1
41.54
VAR.
S.S. 43.00
43.40
264+74.81
-L-



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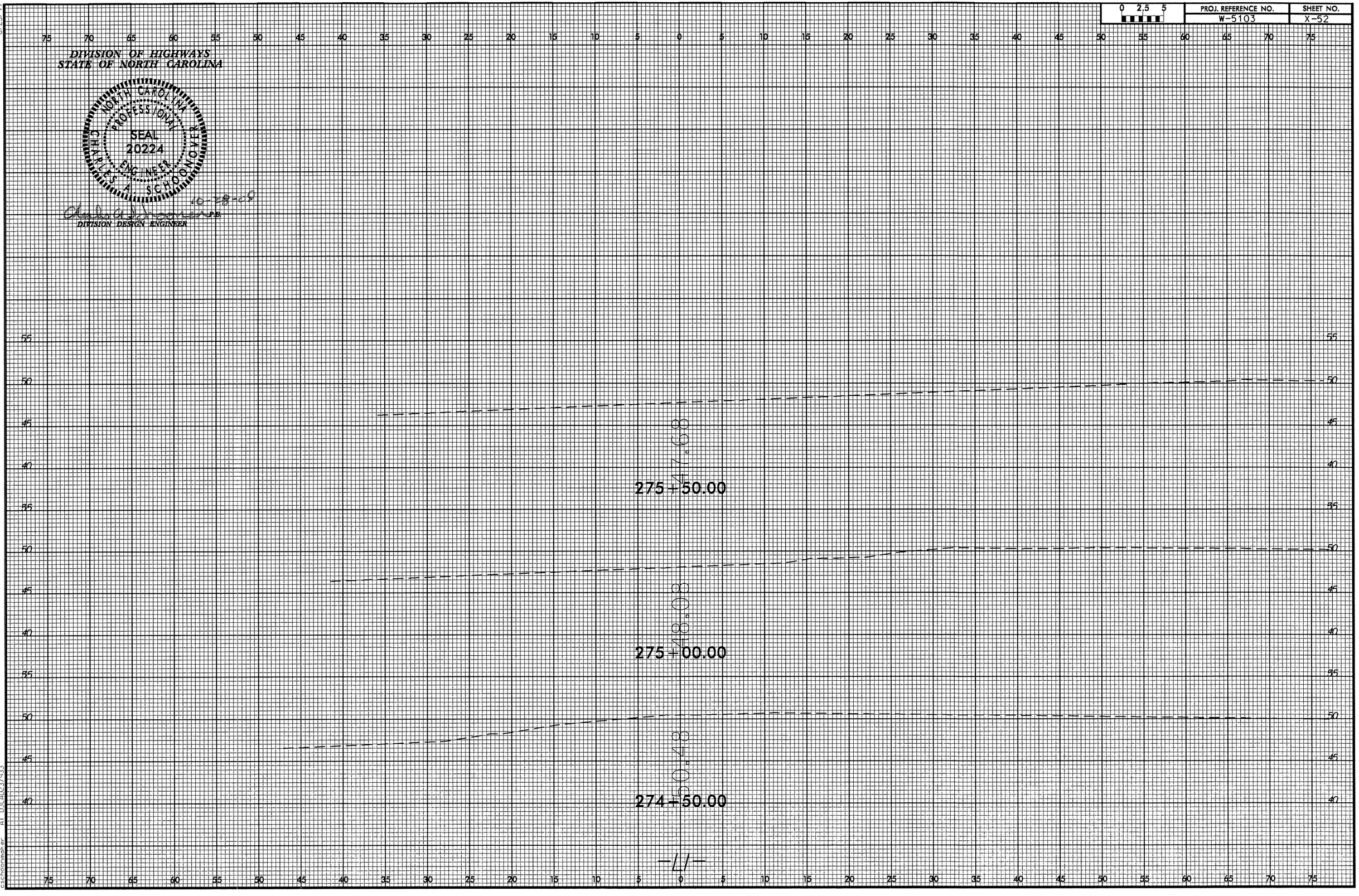
PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-51
274+00.00
273+50.00
273+00.00
272+50.00
272+00.00
267+50.00
S.S. 44.44
S.S. 45.63
S.S. 49.37
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
10-28-09
P.E.
DIVISION DESIGN ENGINEER
-11-

PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-52



8/23/99

26-OCT-2009 08:38
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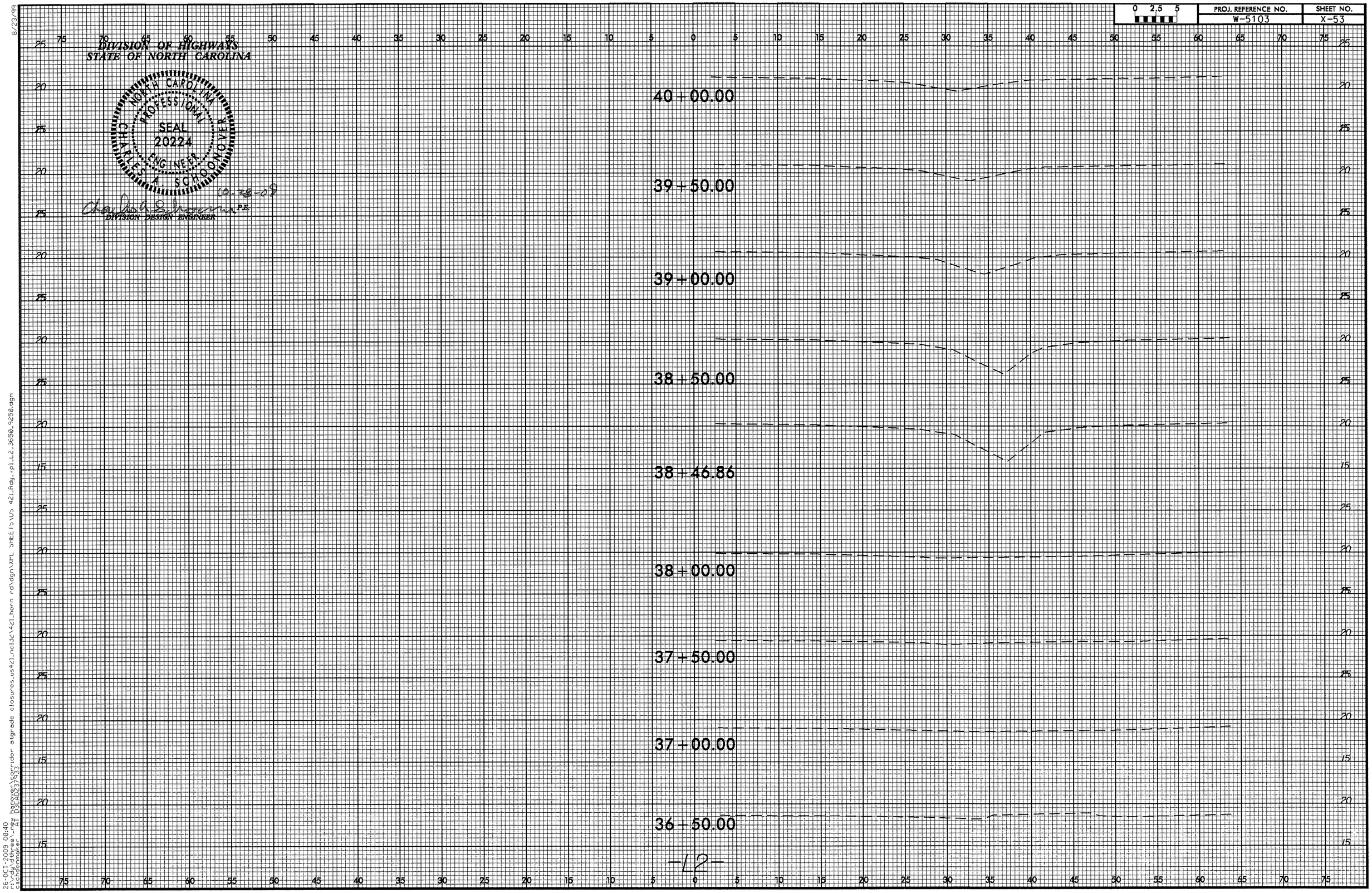
cschoonmaker AT D3CAD237933



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cschoonmaker AT 03CAD237933

PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-54

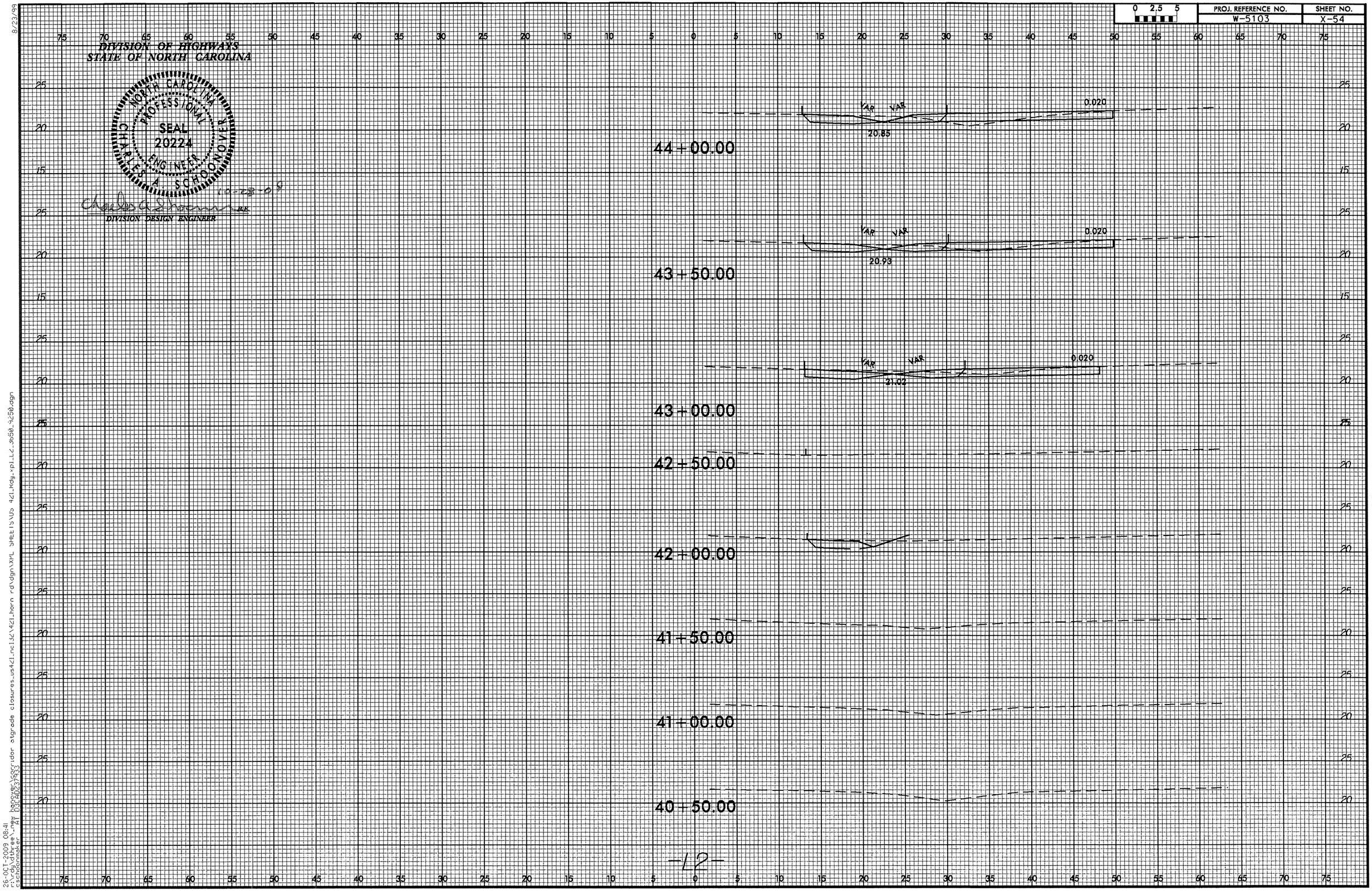
0 2.5 5

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-28-09

Charles A. Schoonover P.E.
DIVISION DESIGN ENGINEER



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8/23/99

26-OCT-2009 08:41
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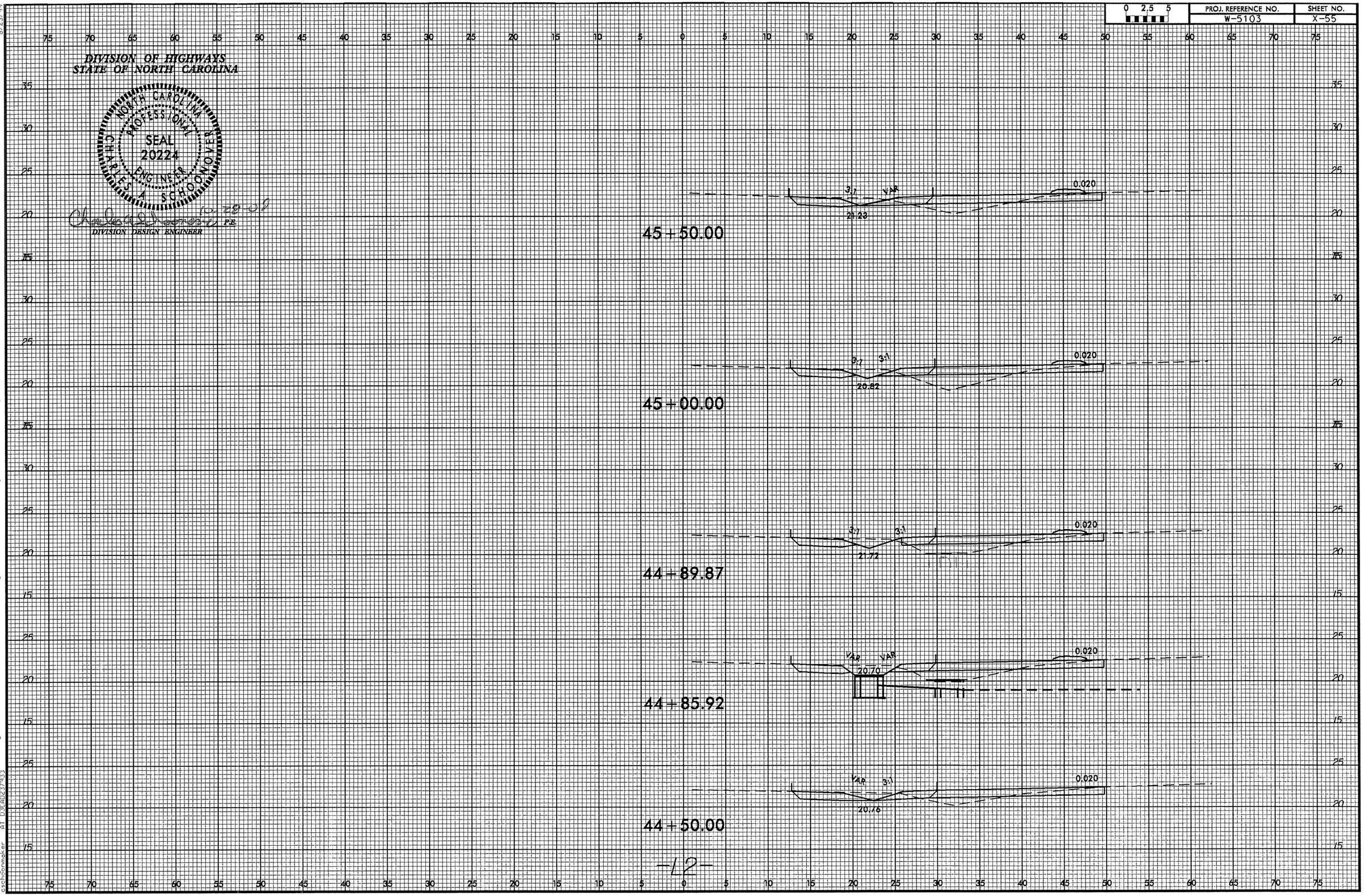
cschoonmaker AT D3CAD237933

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-55

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

Charles A. Schoonover, P.E.
DIVISION DESIGN ENGINEER



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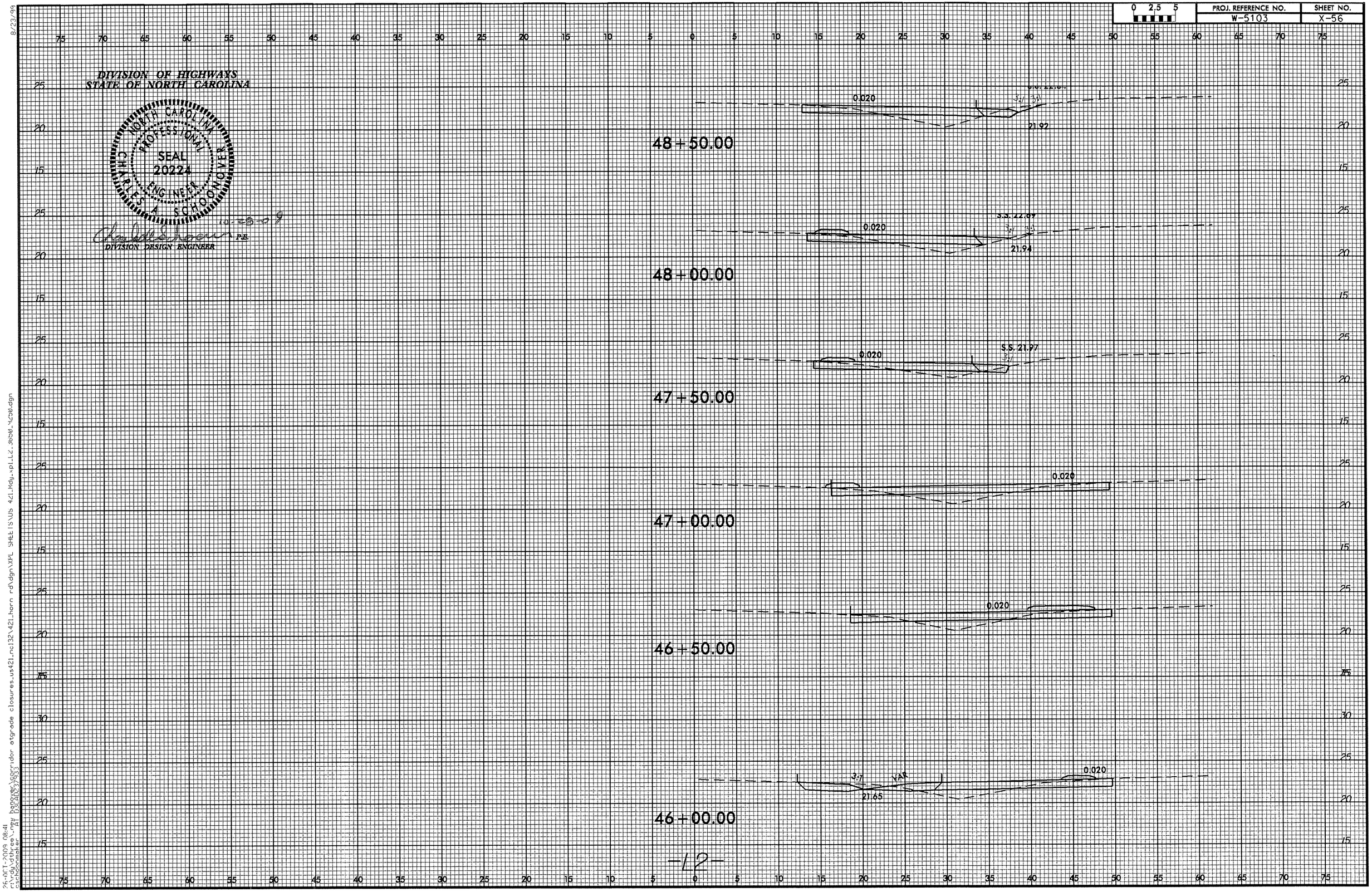

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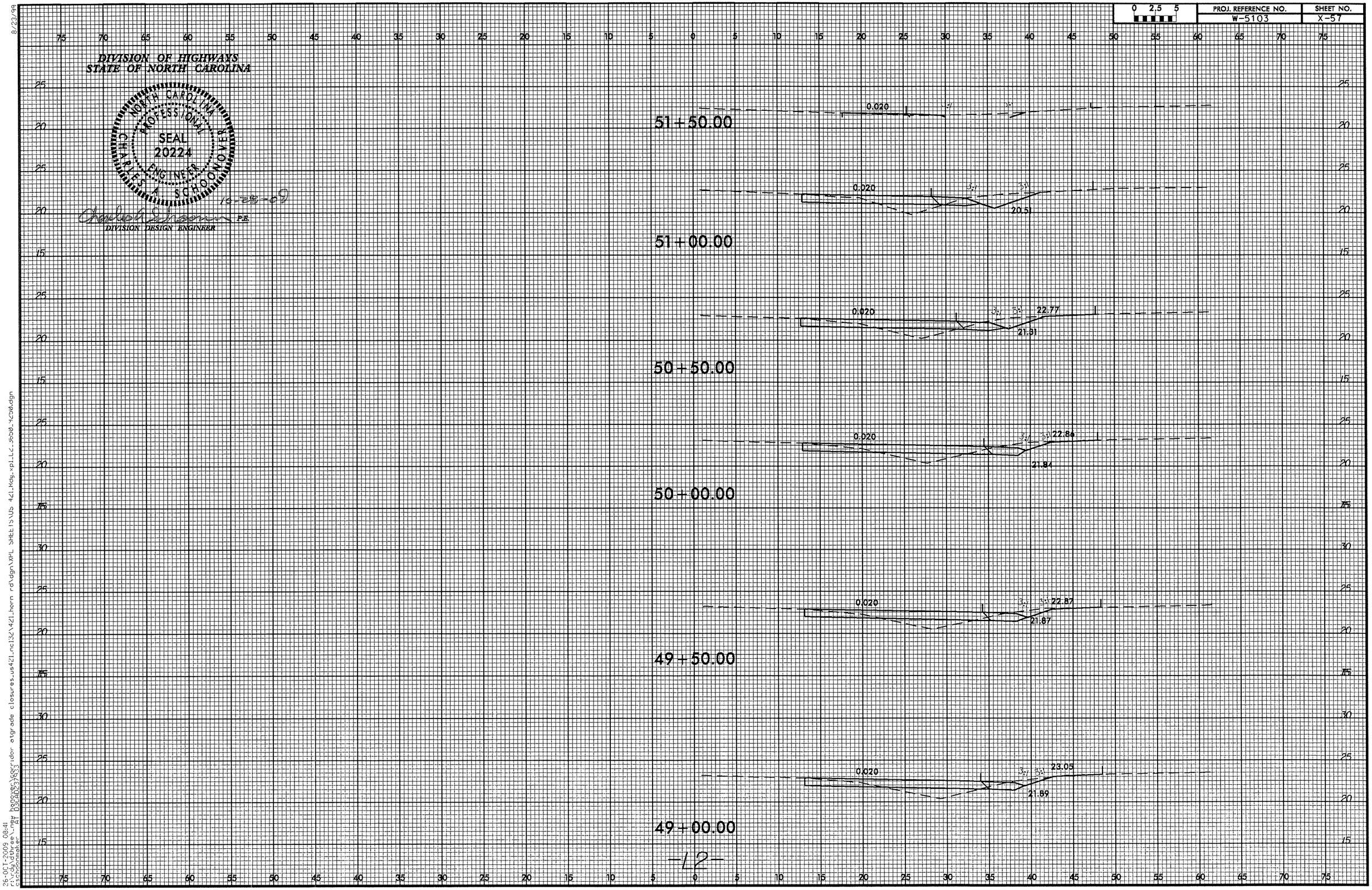
PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-56
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
10-23-09
P.E.
DIVISION DESIGN ENGINEER
48+50.00
0.020
21.92
48+00.00
0.020
S.S. 22.69
21.94
47+50.00
0.020
S.S. 21.97
47+00.00
0.020
46+50.00
0.020
46+00.00
3:1
VAR
21.65
0.020
-L2-

PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-57



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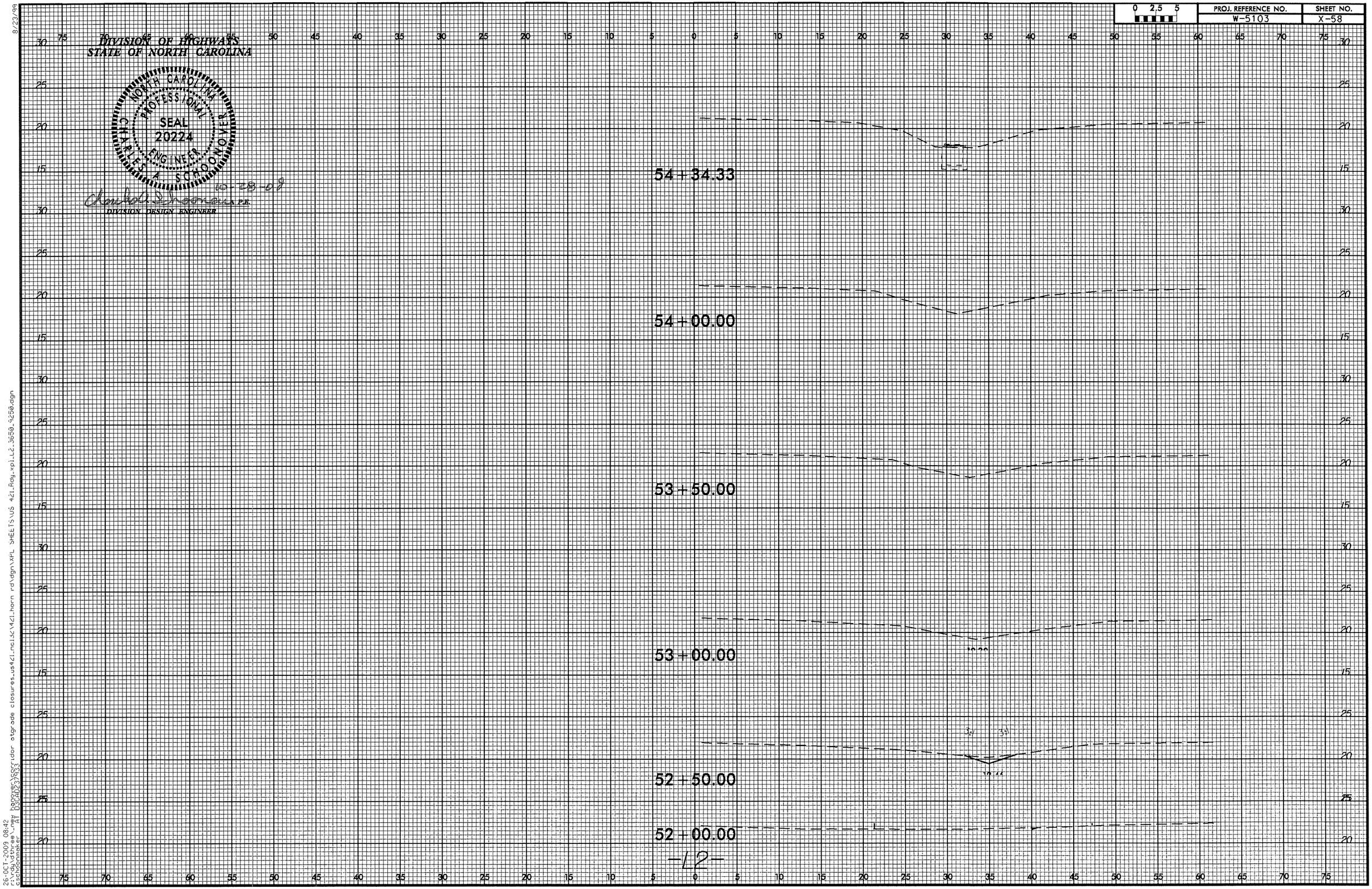
cschoonmaker AT D3CAD237933



8/23/99

26-OCT-2009 08:42
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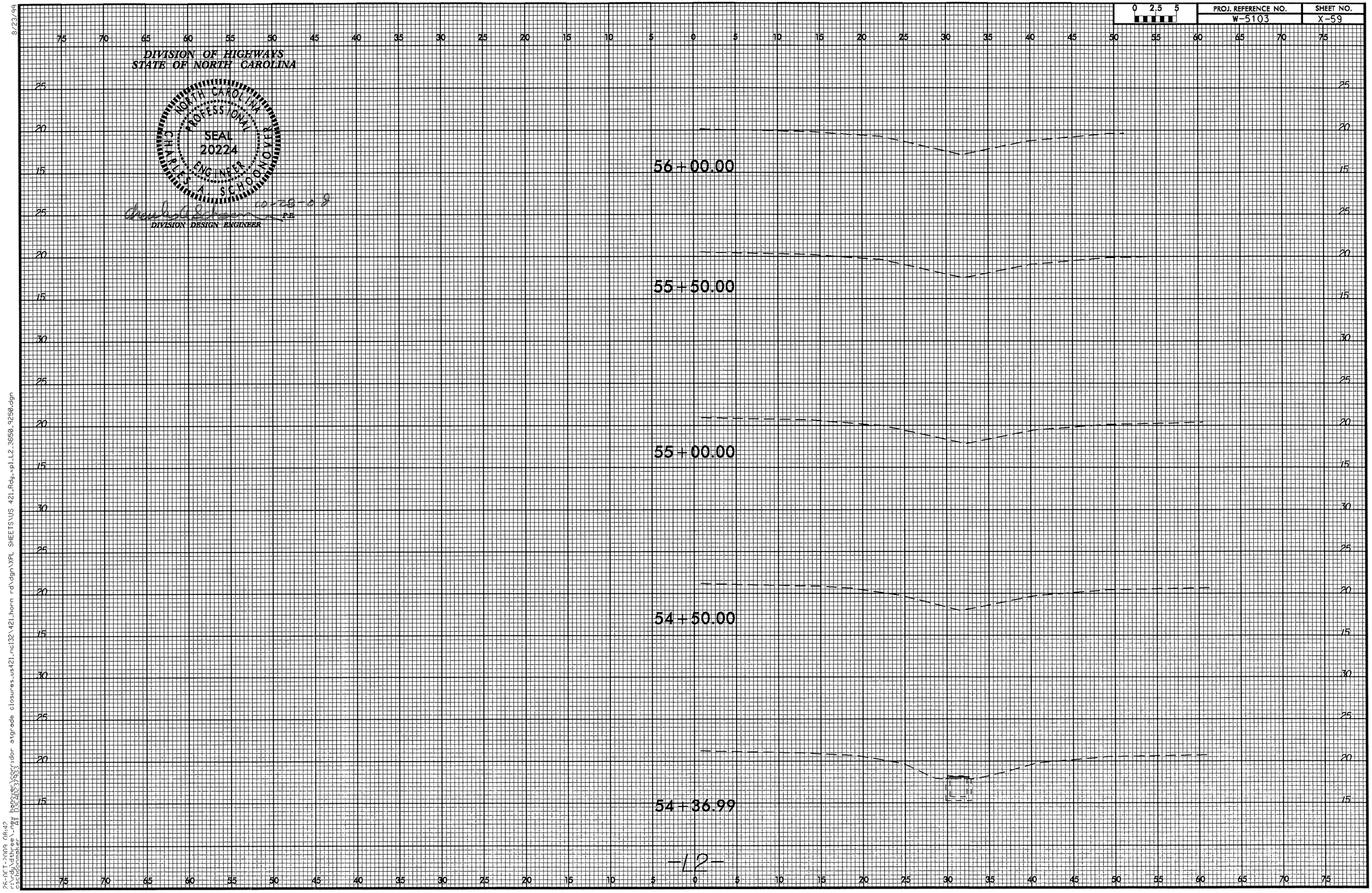
cschoonmaker AT D3CAD237933



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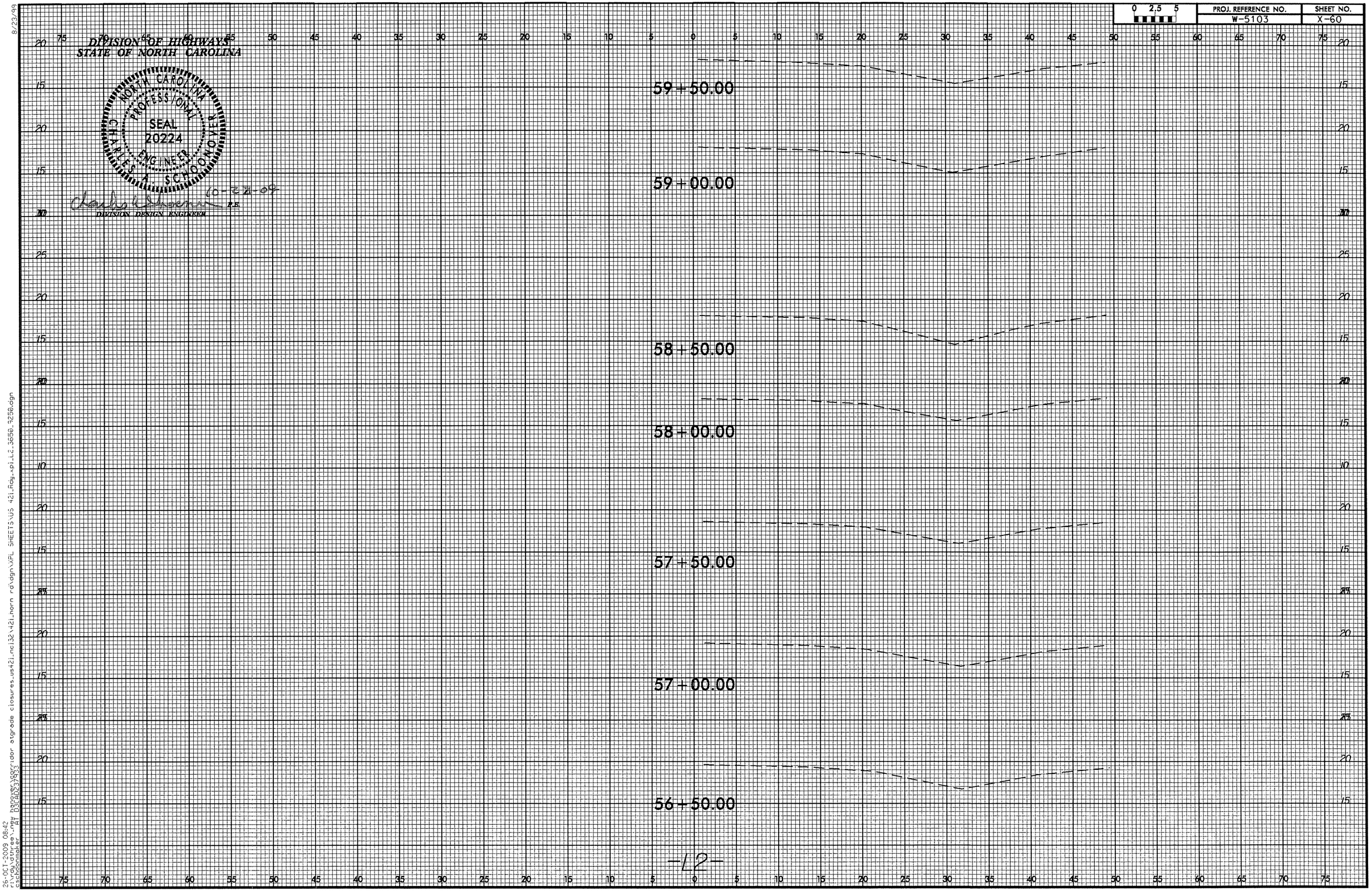

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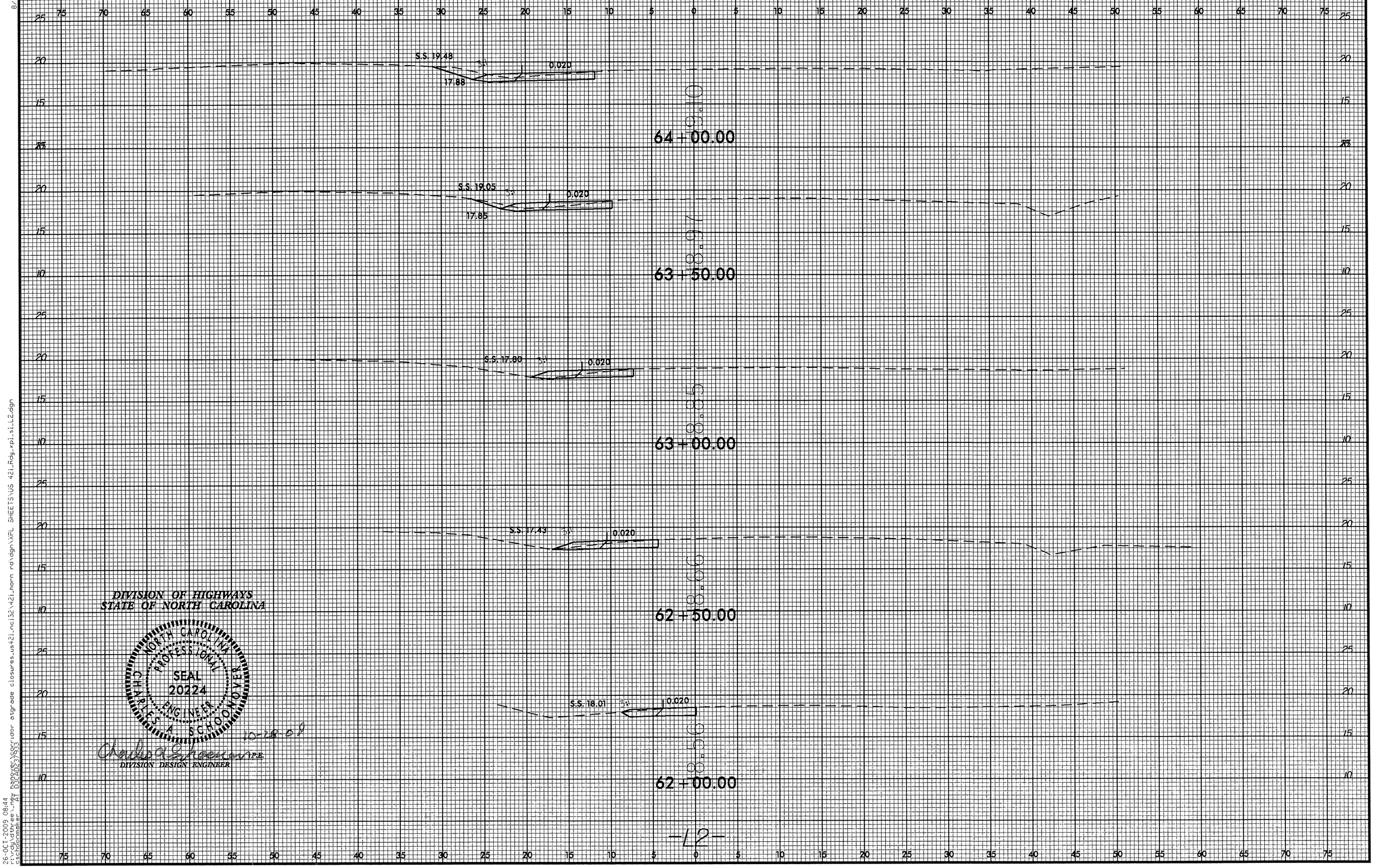
cschoonmaker AT D3CAD237933



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26-OCT-2009 08:44
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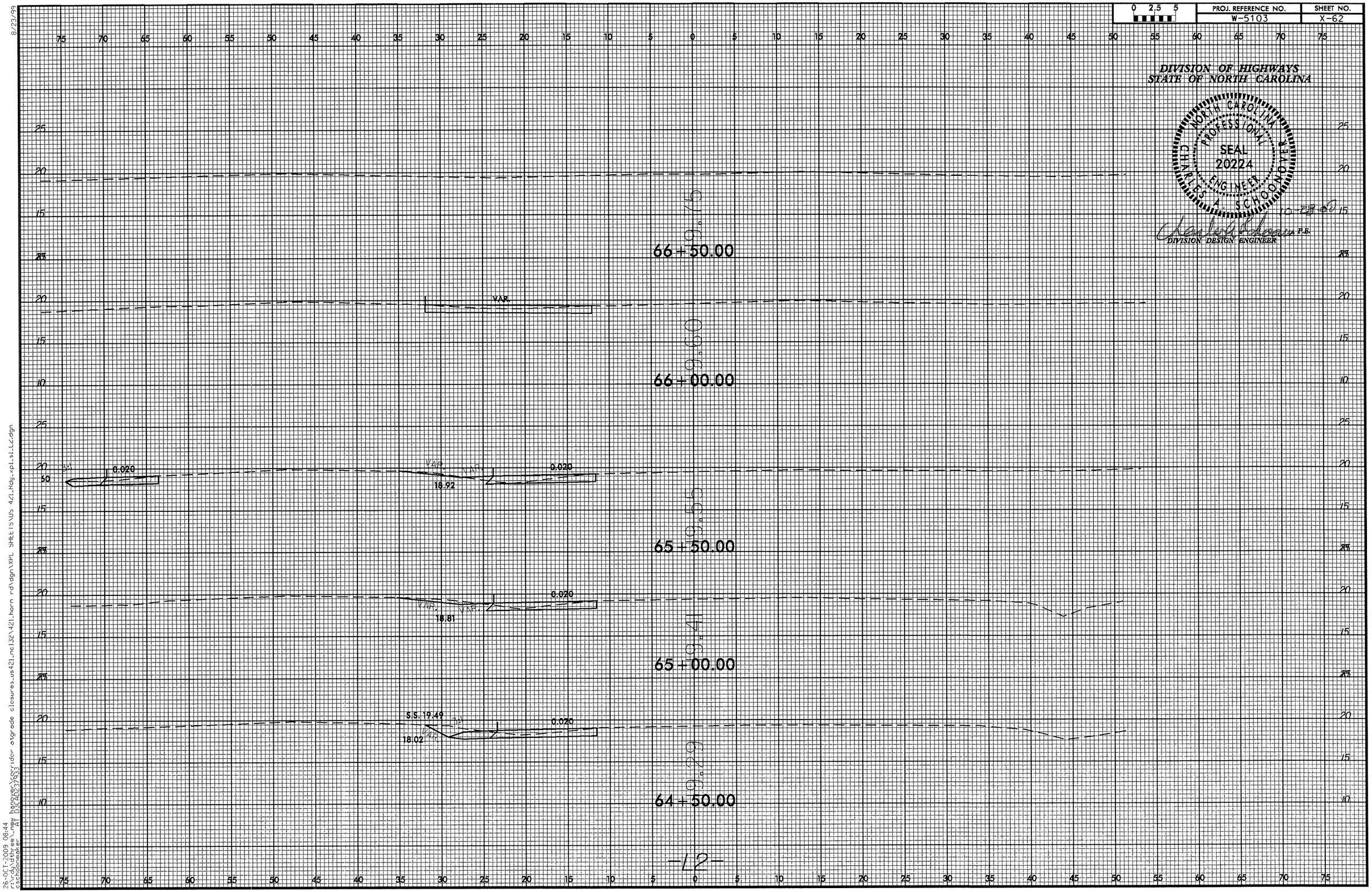
cschoonmaker AT 03CAD237933



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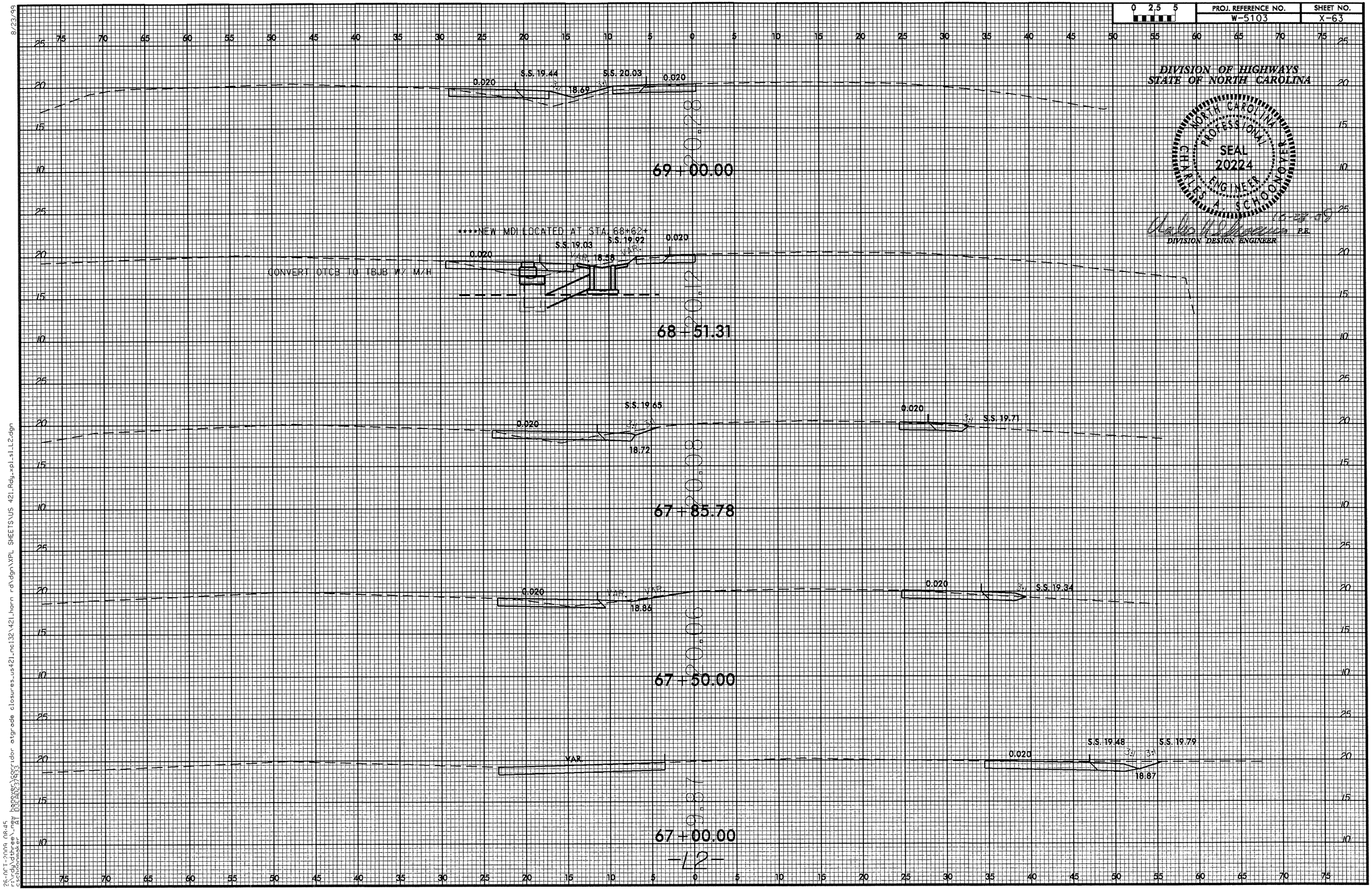
cschoonmaker AT 03CAD237933

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-63

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONMAKER

10-27-99
P.E.
DIVISION DESIGN ENGINEER



-12-

8/23/99

26-OCT-2009 08:45
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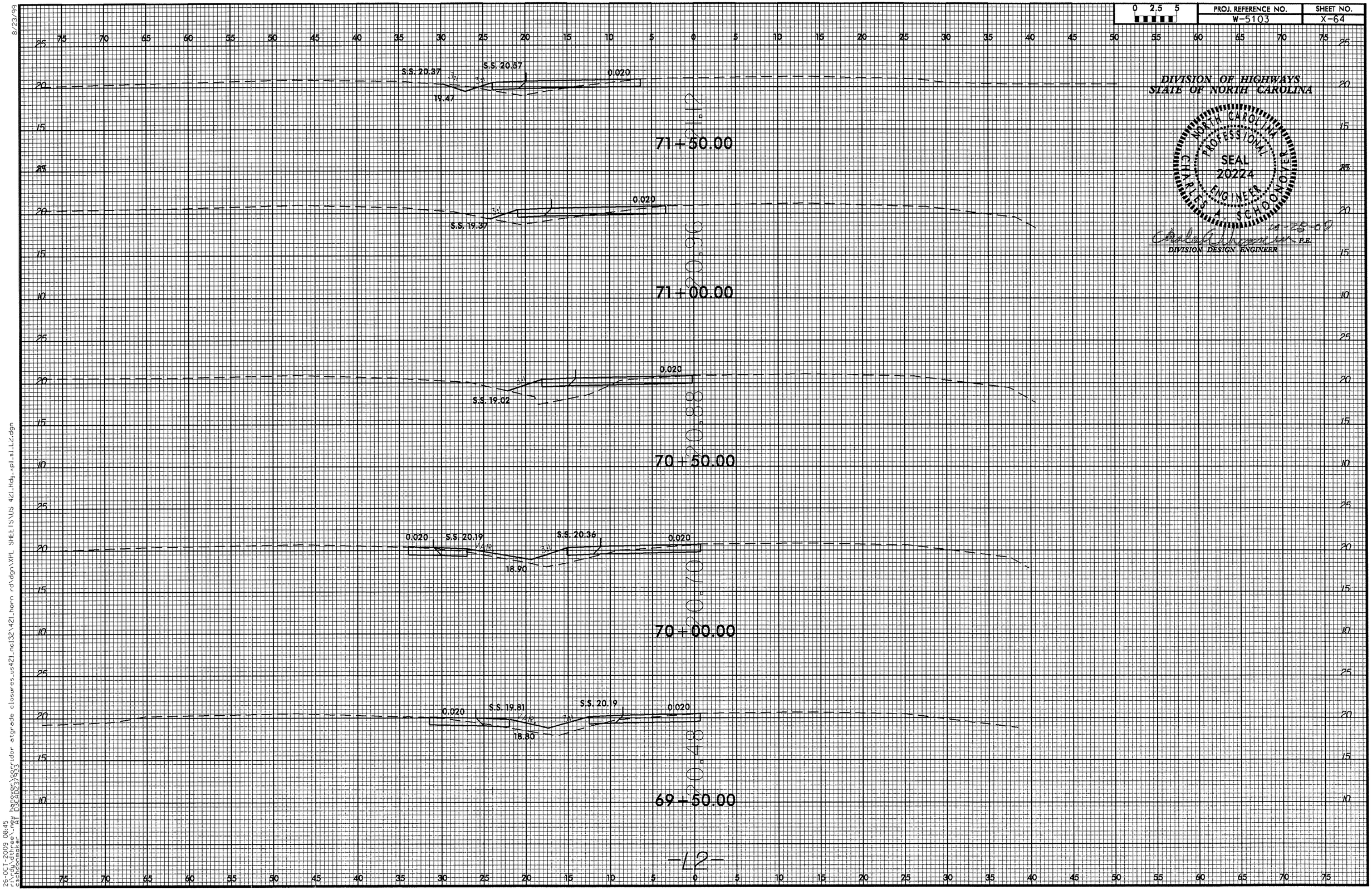
cschoonmaker AT DOCAD237033



PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-64
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
DIVISION DESIGN ENGINEER
S.S. 20.37
S.S. 20.57
0.020
19.47
71+50.00
S.S. 19.37
71+00.00
S.S. 19.02
70+50.00
0.020
S.S. 20.19
S.S. 20.36
18.90
70+00.00
0.020
S.S. 19.81
S.S. 20.19
18.80
69+50.00
-L2-

PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-65

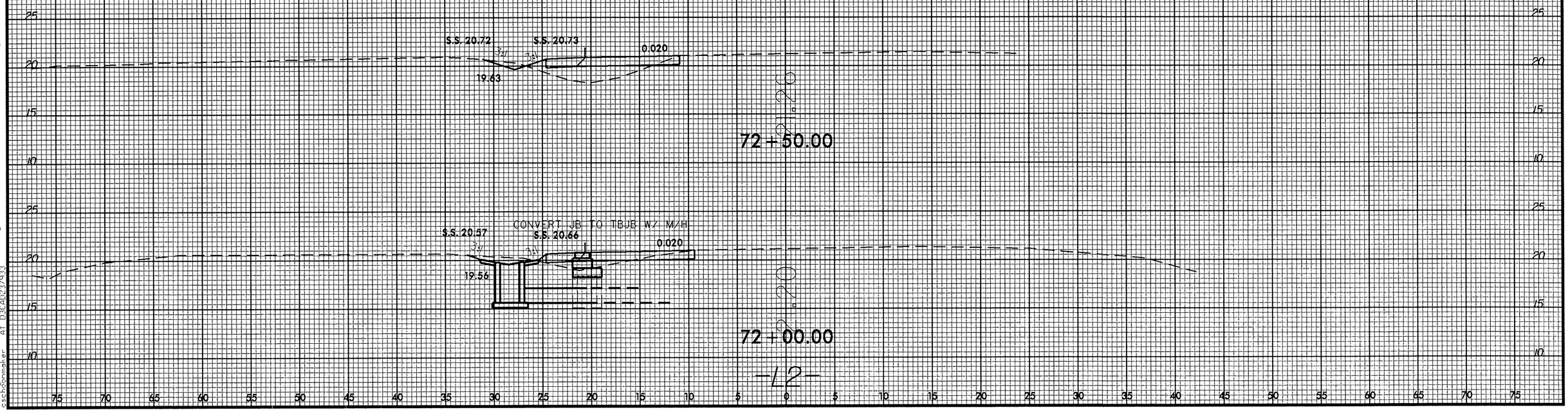
0 2.5 5

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-28-09

Charles A. Schoonover P.E.
DIVISION DESIGN ENGINEER



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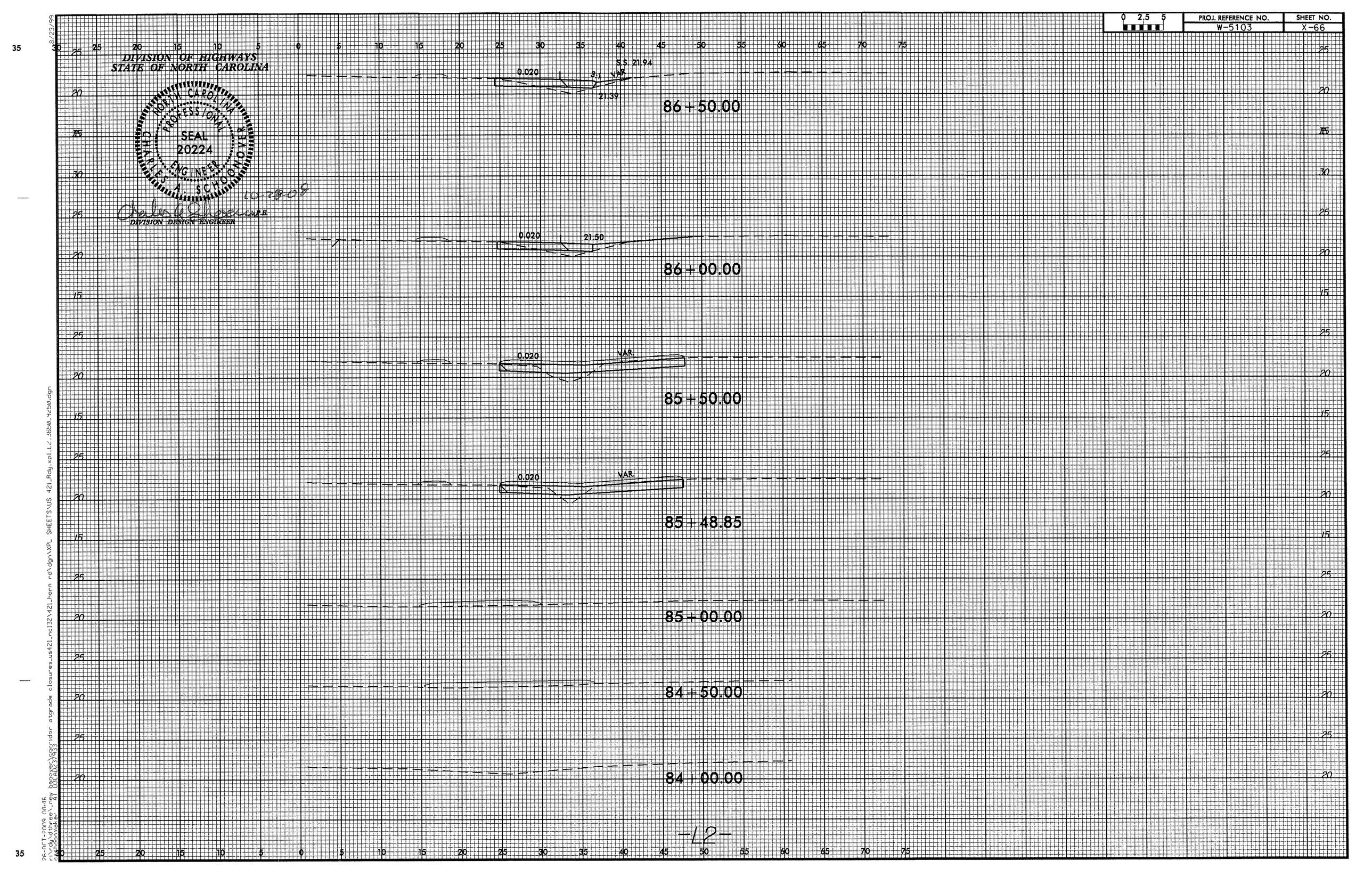

PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-66
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
10-28-08
P.E.
DIVISION DESIGN ENGINEER
0.020
3:1
VAR.
S.S. 21.94
21.39
86+50.00
0.020
21.50
86+00.00
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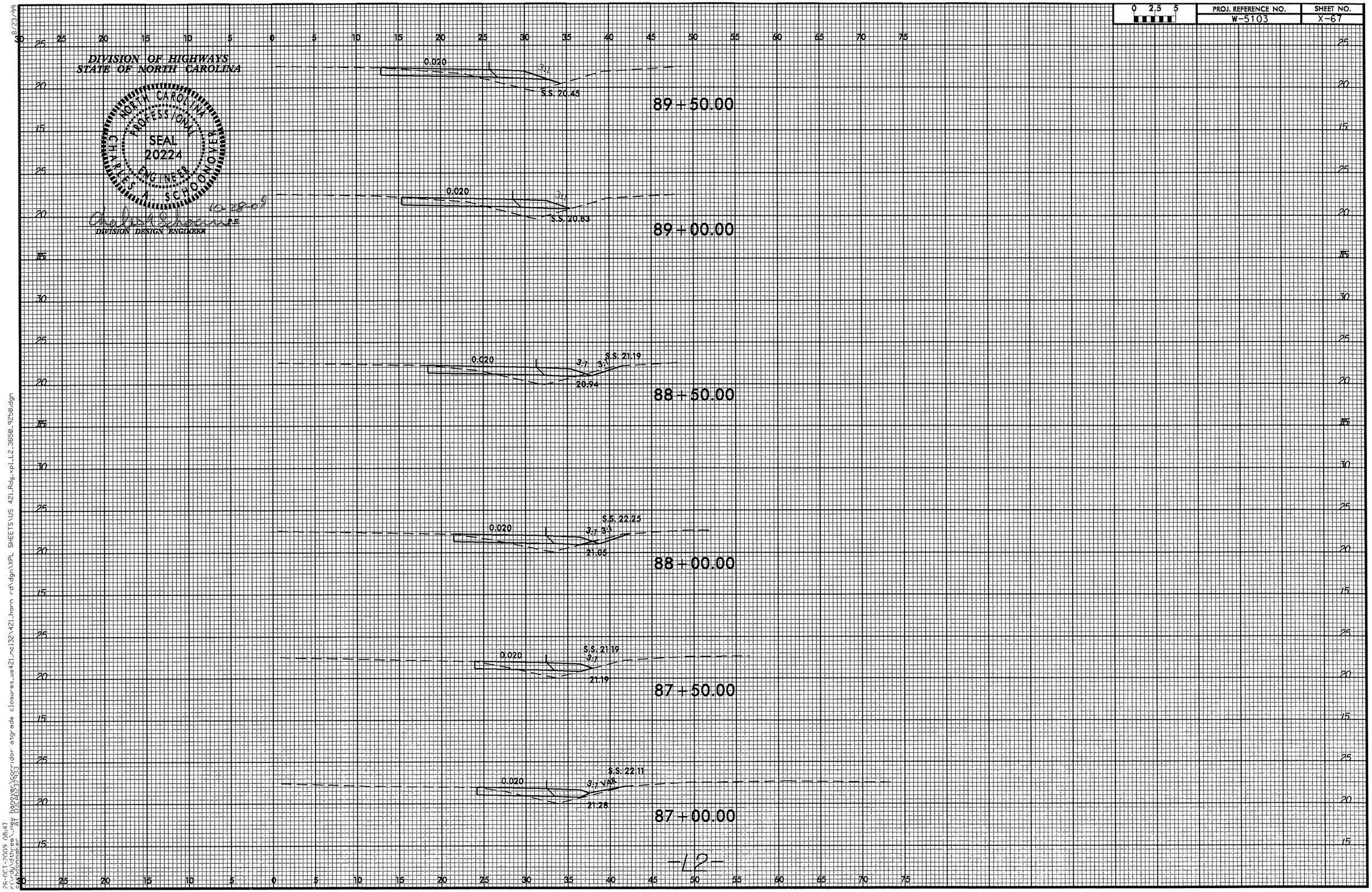
84+00.00
-L2-



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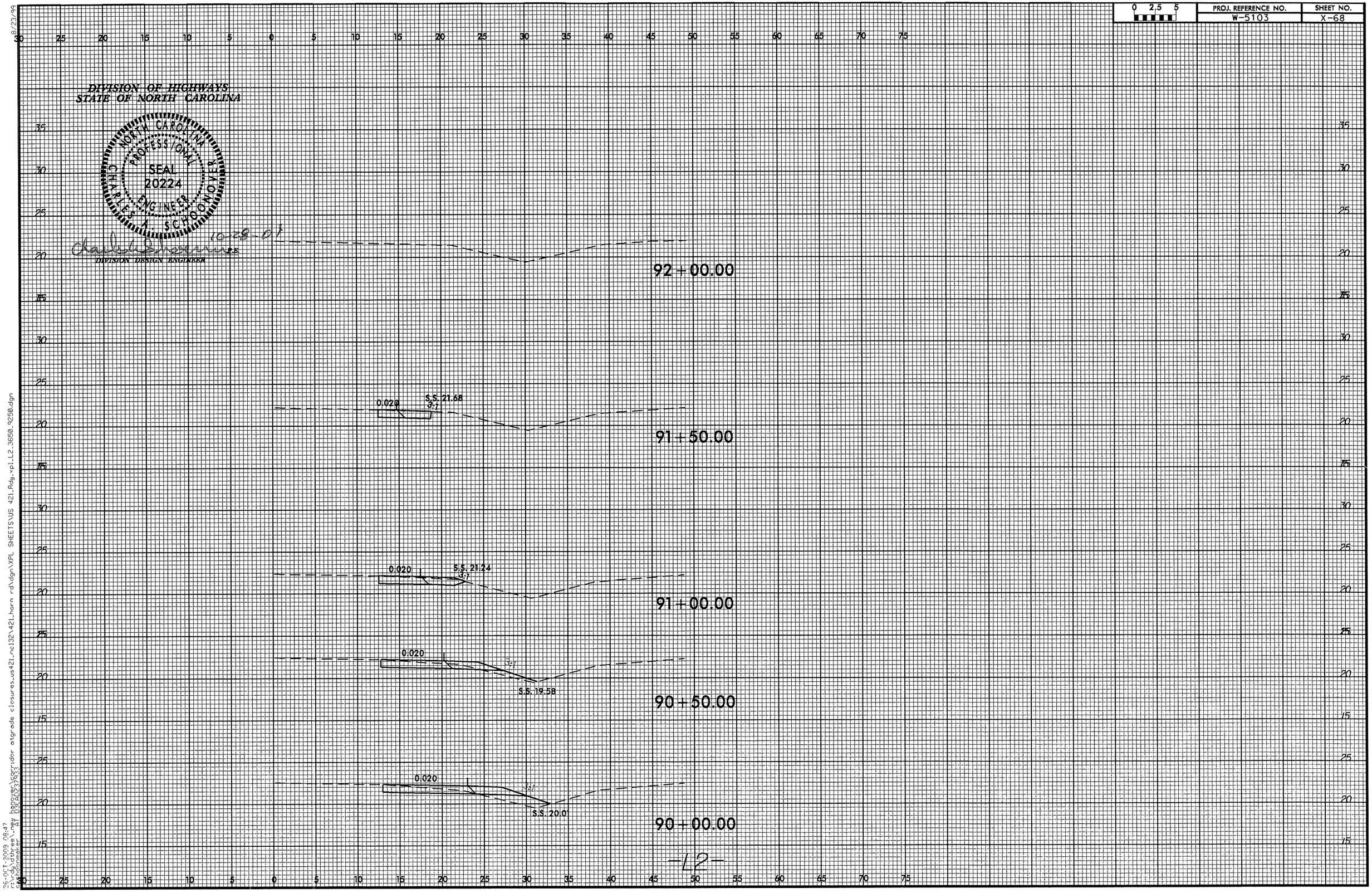

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W-5103
SHEET NO.
X-68
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
10-28-01
DIVISION DESIGN ENGINEER
92+00.00
0.020
S.S. 21.68
3:1
91+50.00
0.020
S.S. 21.24
3:1
91+00.00
0.020
3:1
S.S. 19.58
90+50.00
0.020
3:1
S.S. 20.0
90+00.00
-L2-

PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-69

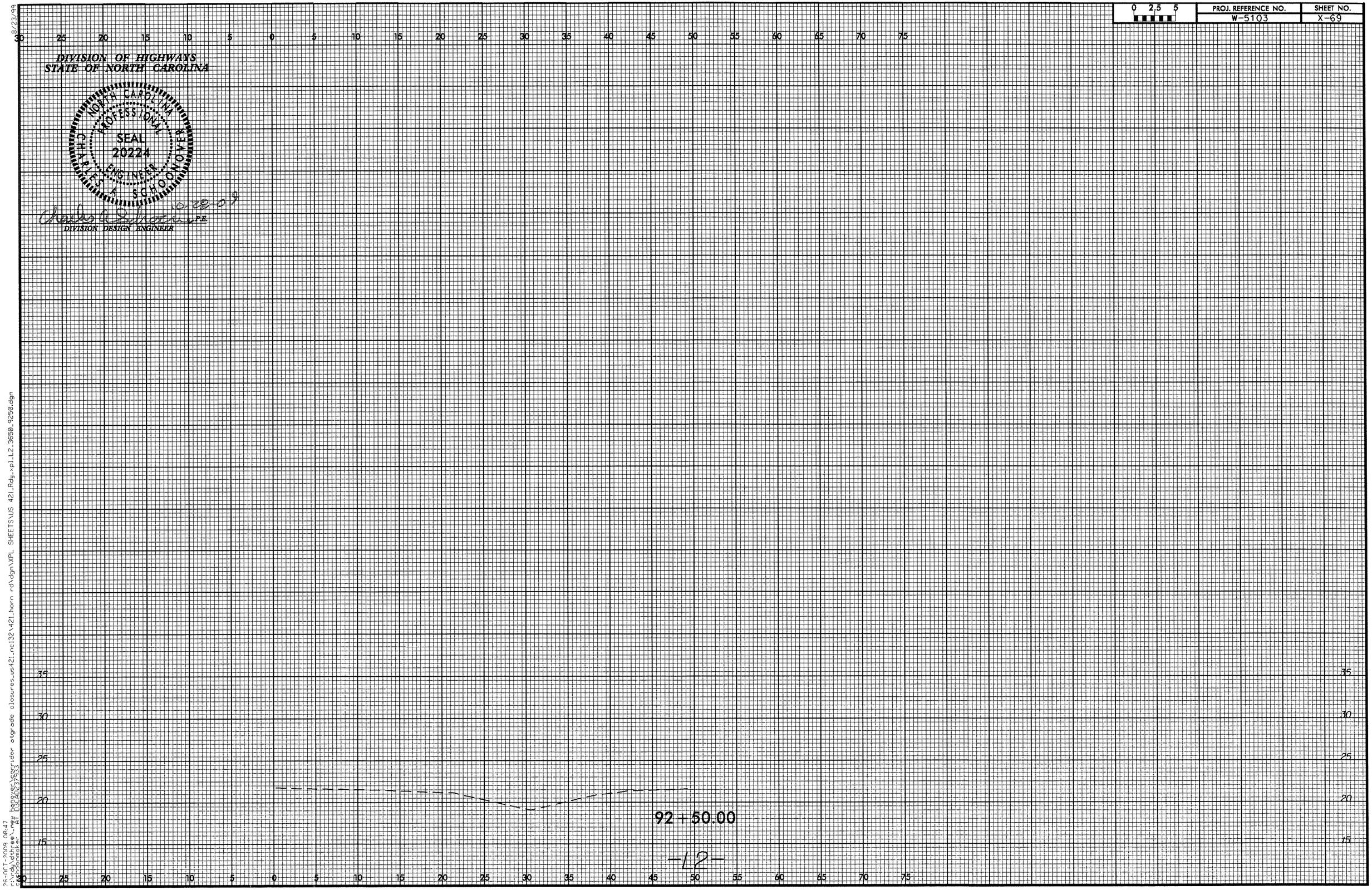
0 2.5 5

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-28-09

Charles A. Schoonover P.E.
DIVISION DESIGN ENGINEER



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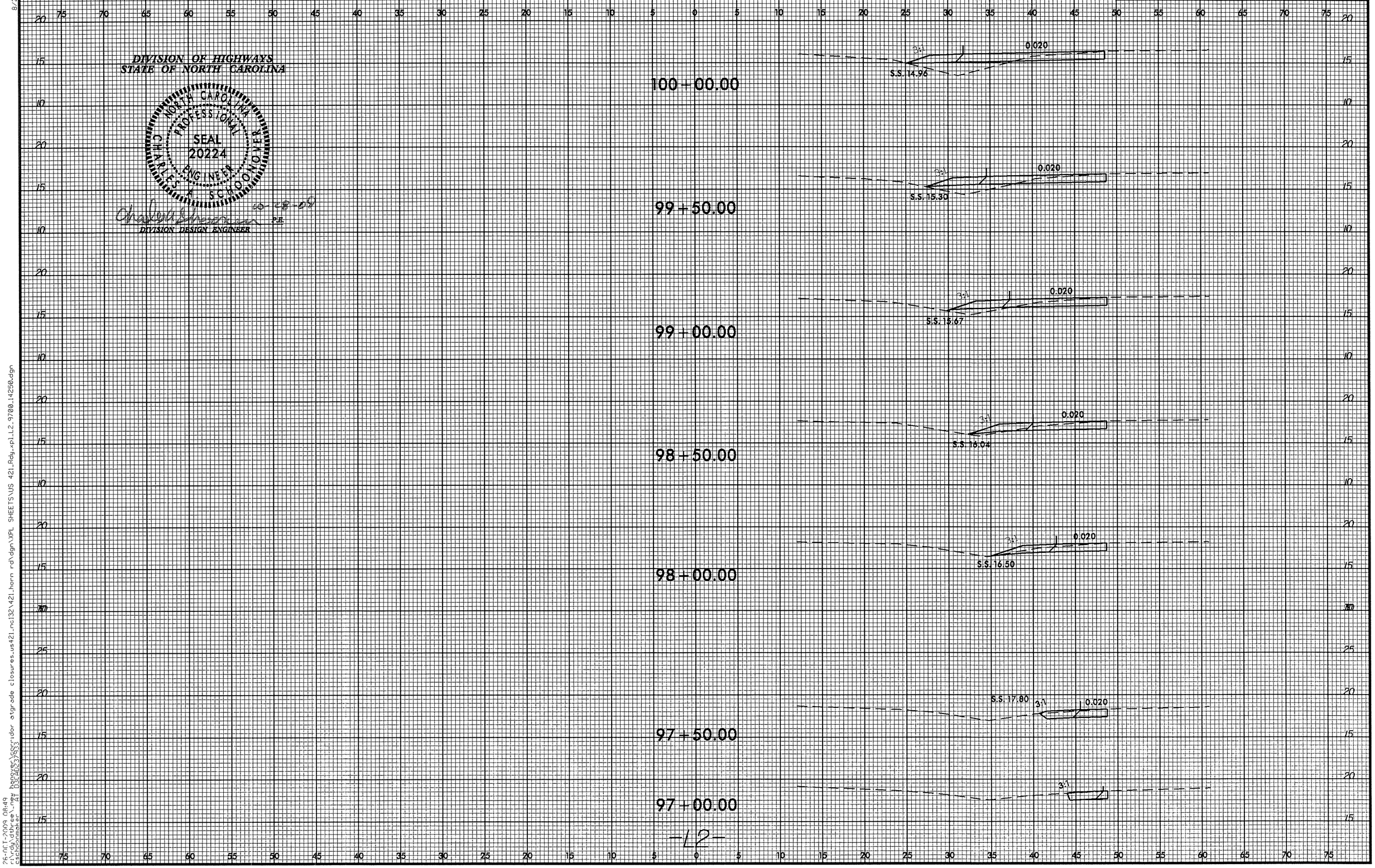

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cschoonmaker AT D3CAD237933

PROJ. REFERENCE NO.	SHEET NO.
W-5103	X-71

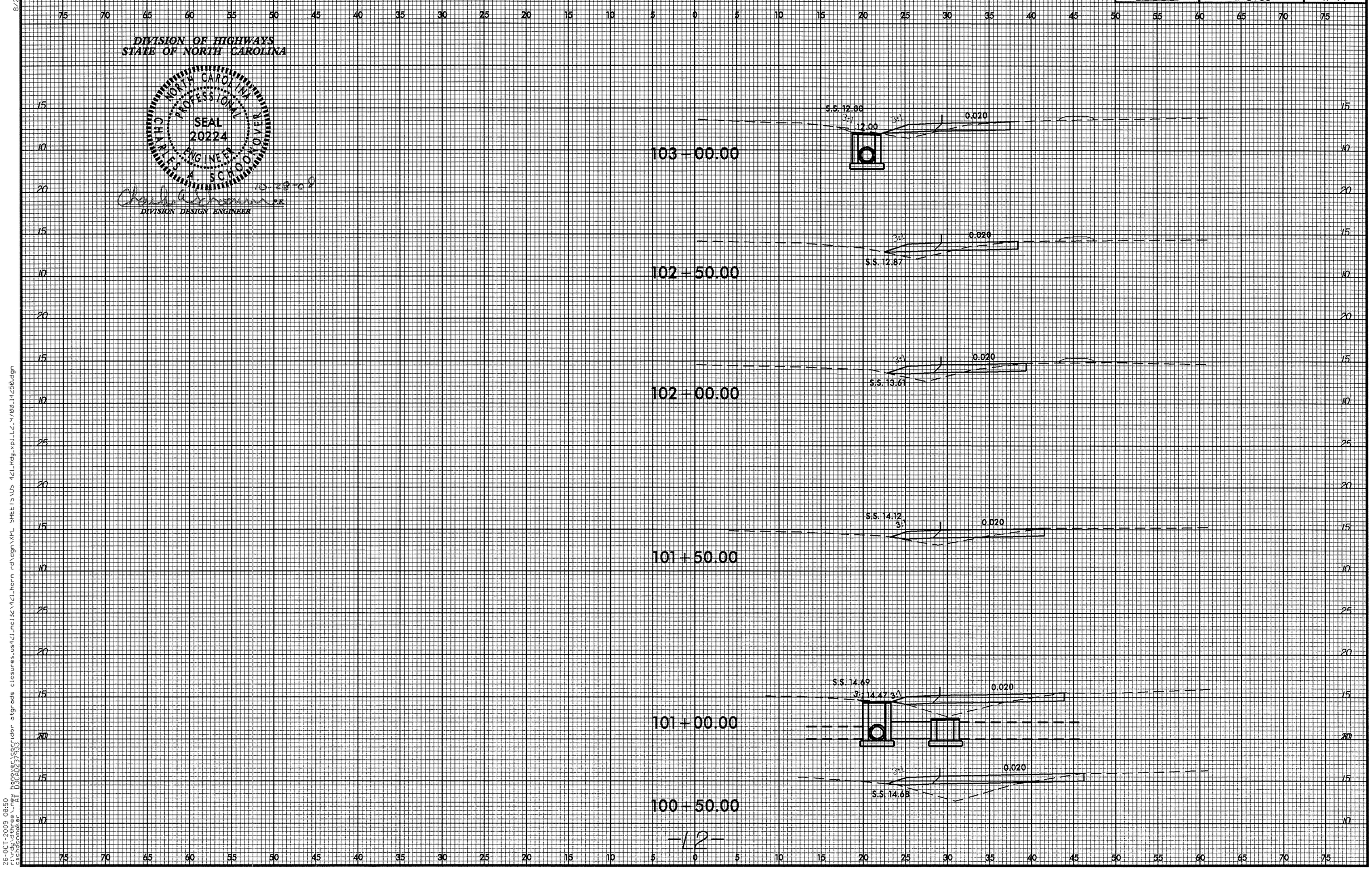
0 2.5 5

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-28-08

Charles A. Schoonover P.E.
DIVISION DESIGN ENGINEER



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PROJ. REFERENCE NO.	SHEET NO.
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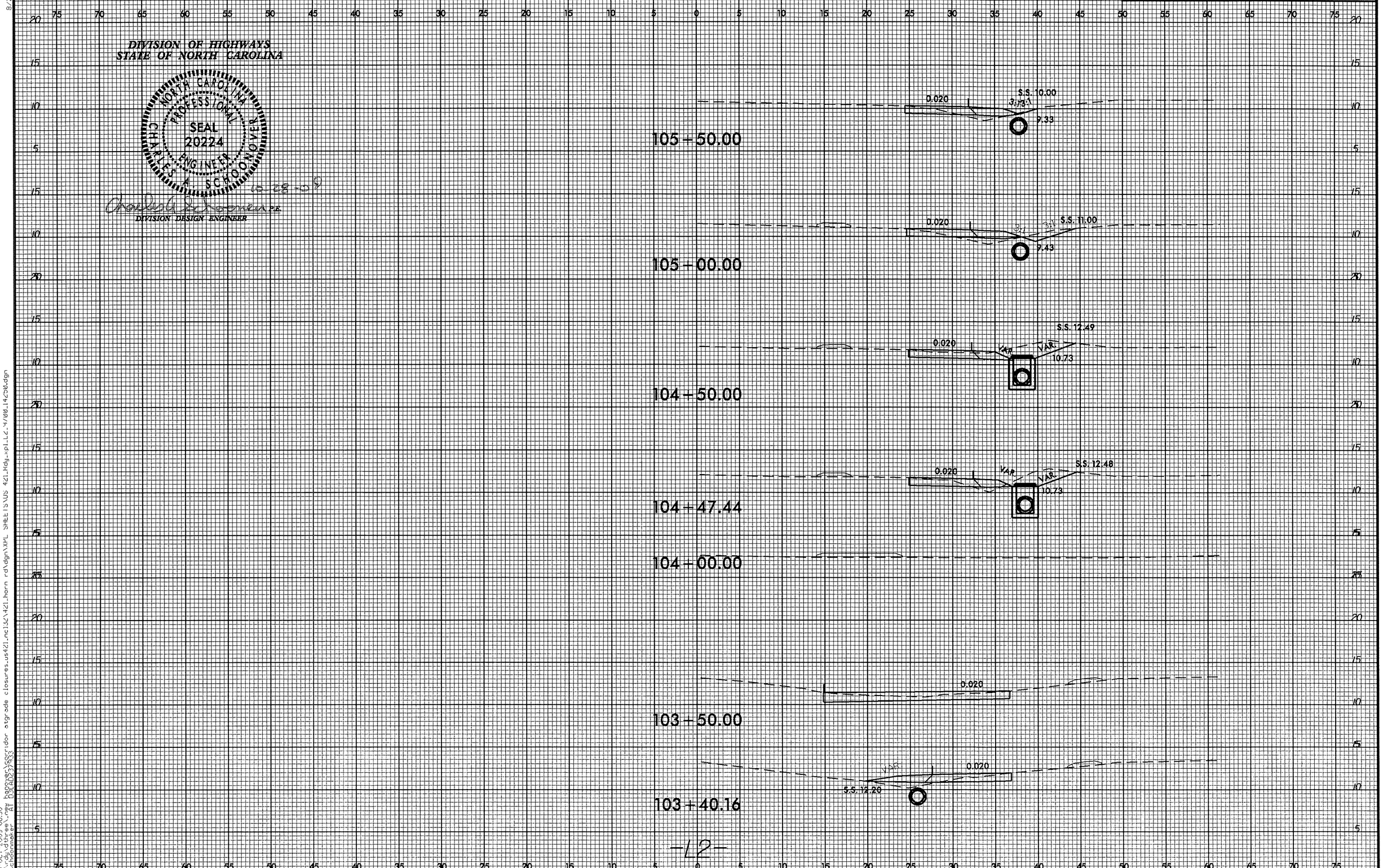

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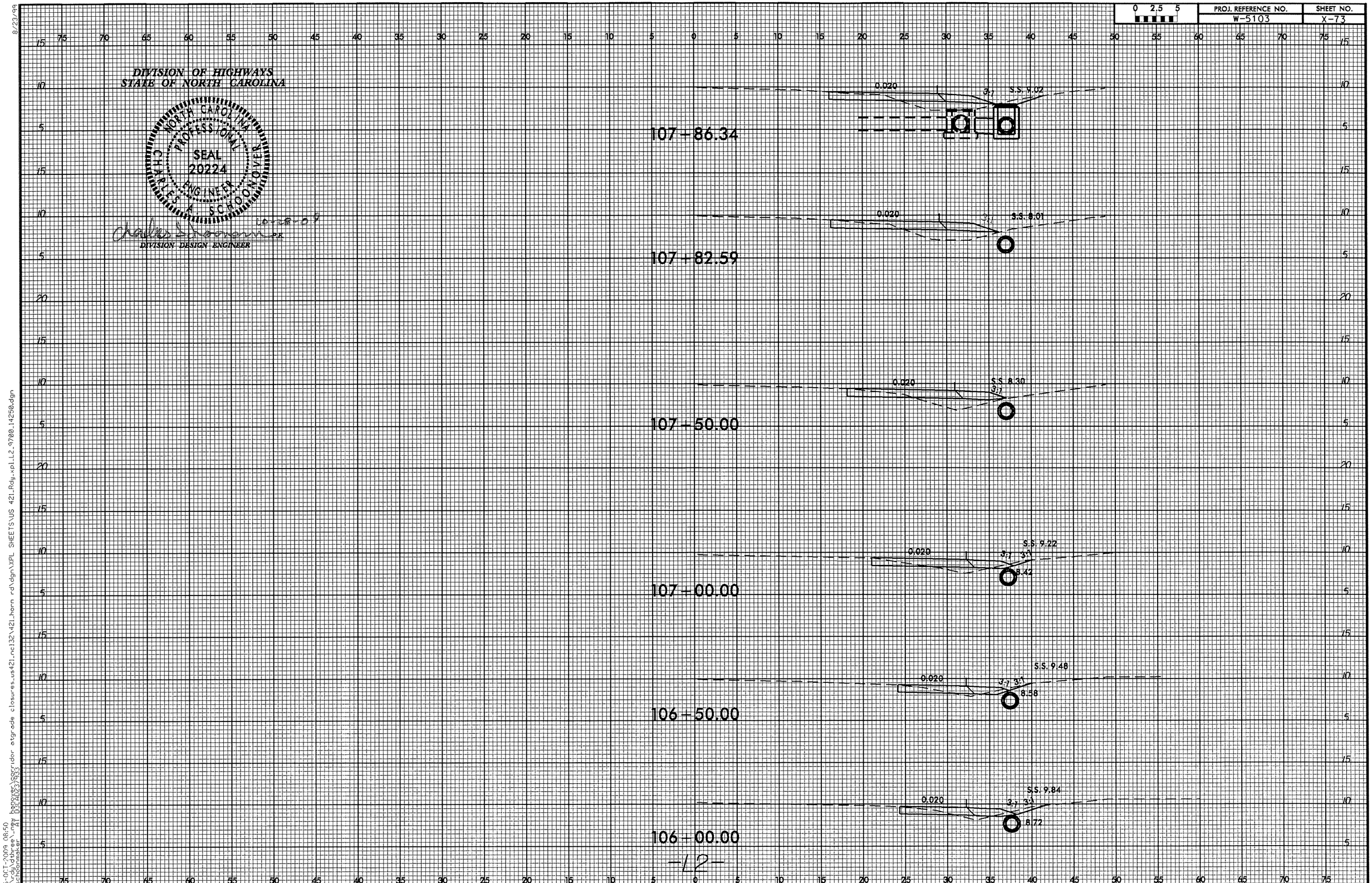

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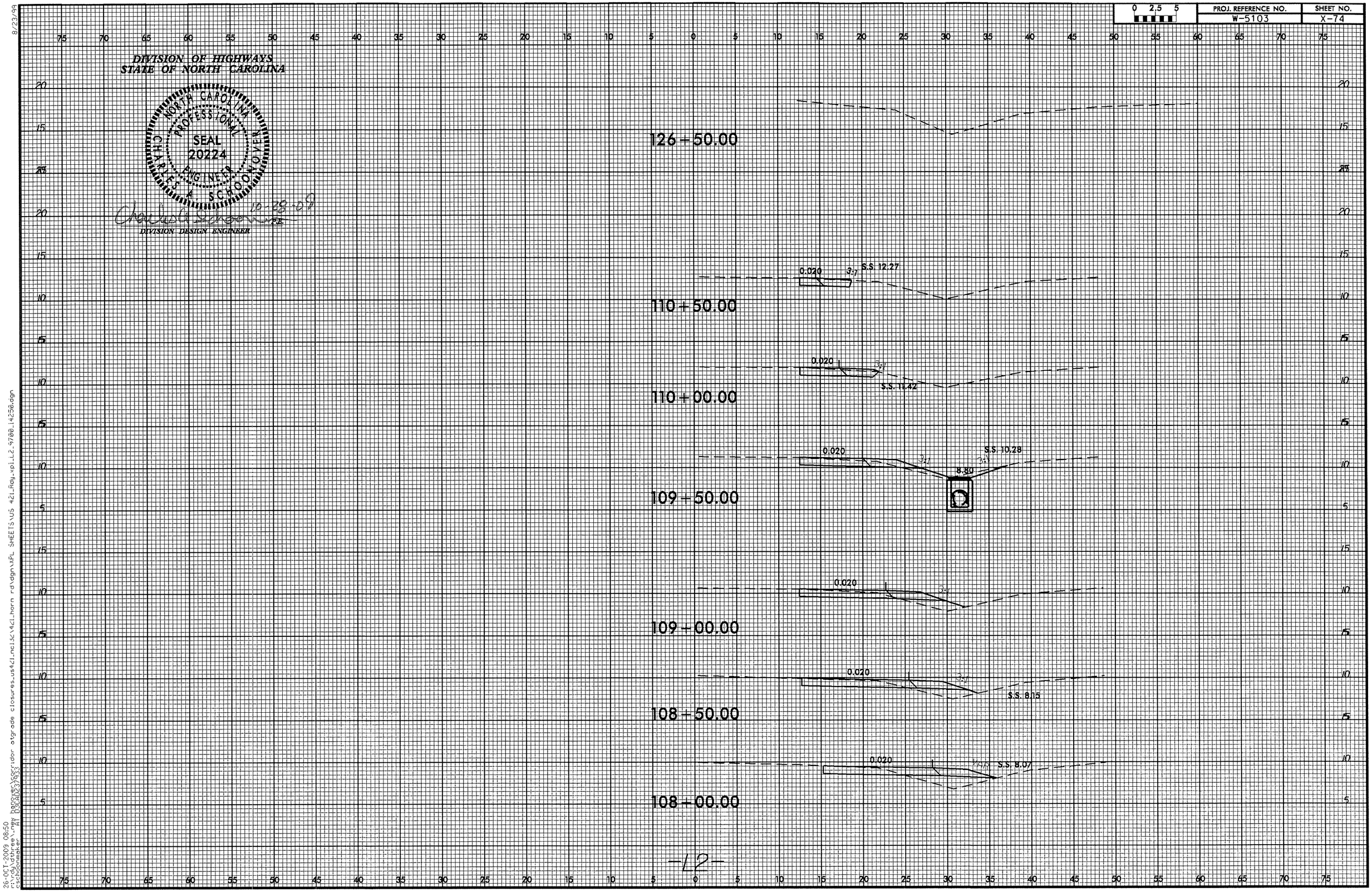

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cschoonmaker AT D3CAD237933

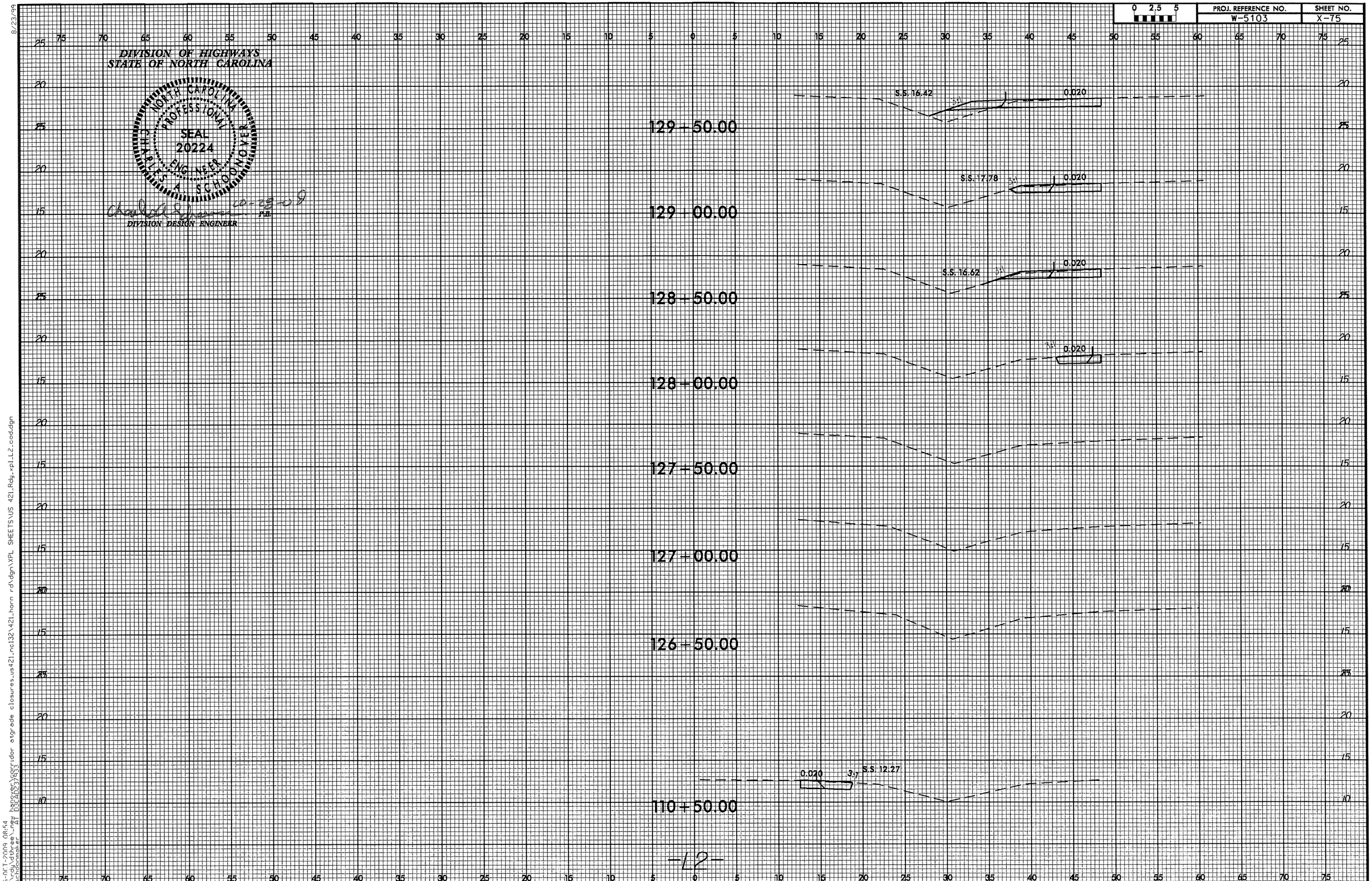
8/23/99

0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-75

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONMAKER

Charles A. Schoonmaker 10-28-09
DIVISION DESIGN ENGINEER



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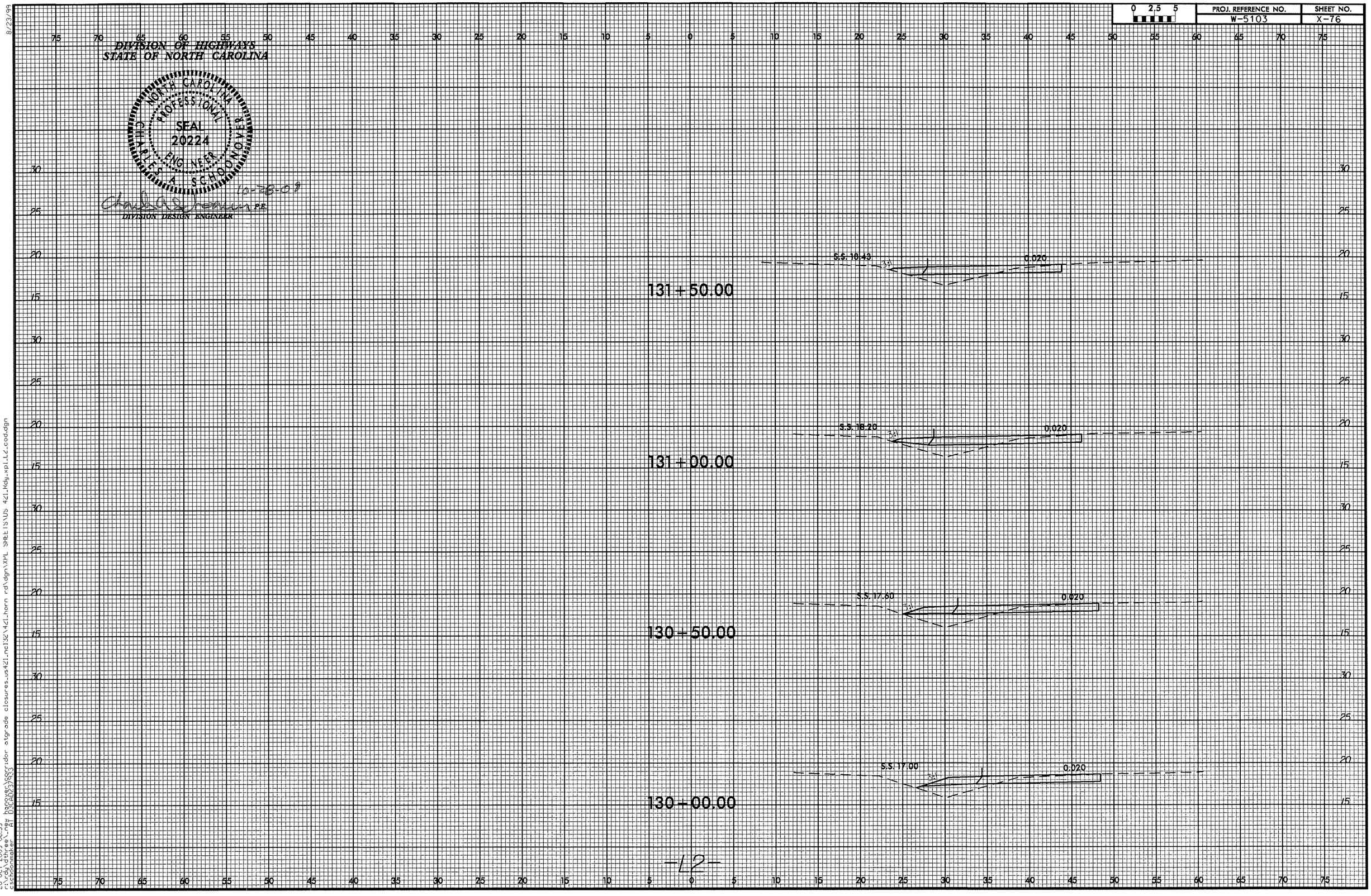
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-76

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-26-09

Chas A Schoonover P.E.
DIVISION DESIGN ENGINEER



-12-

8/23/99

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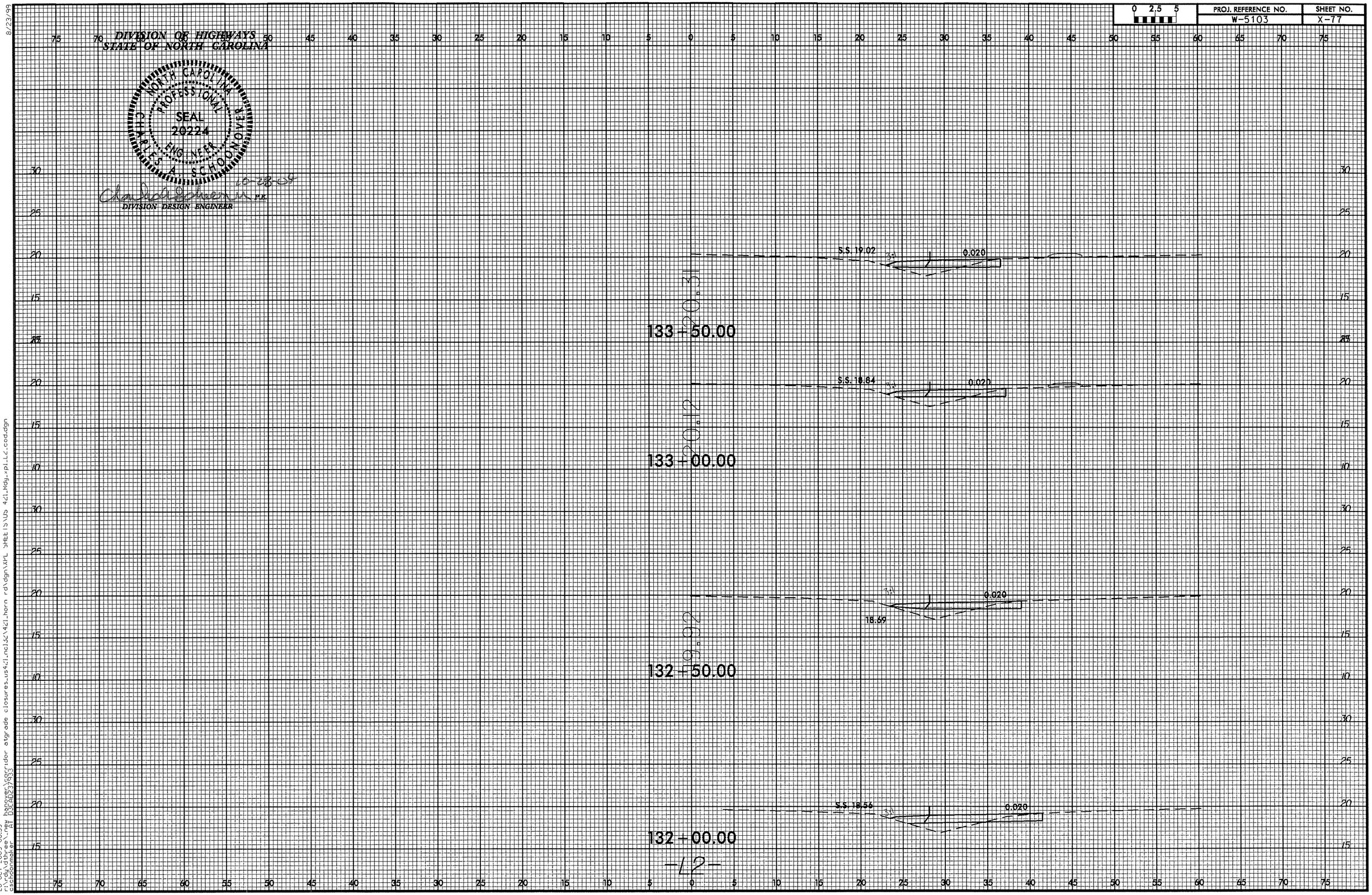

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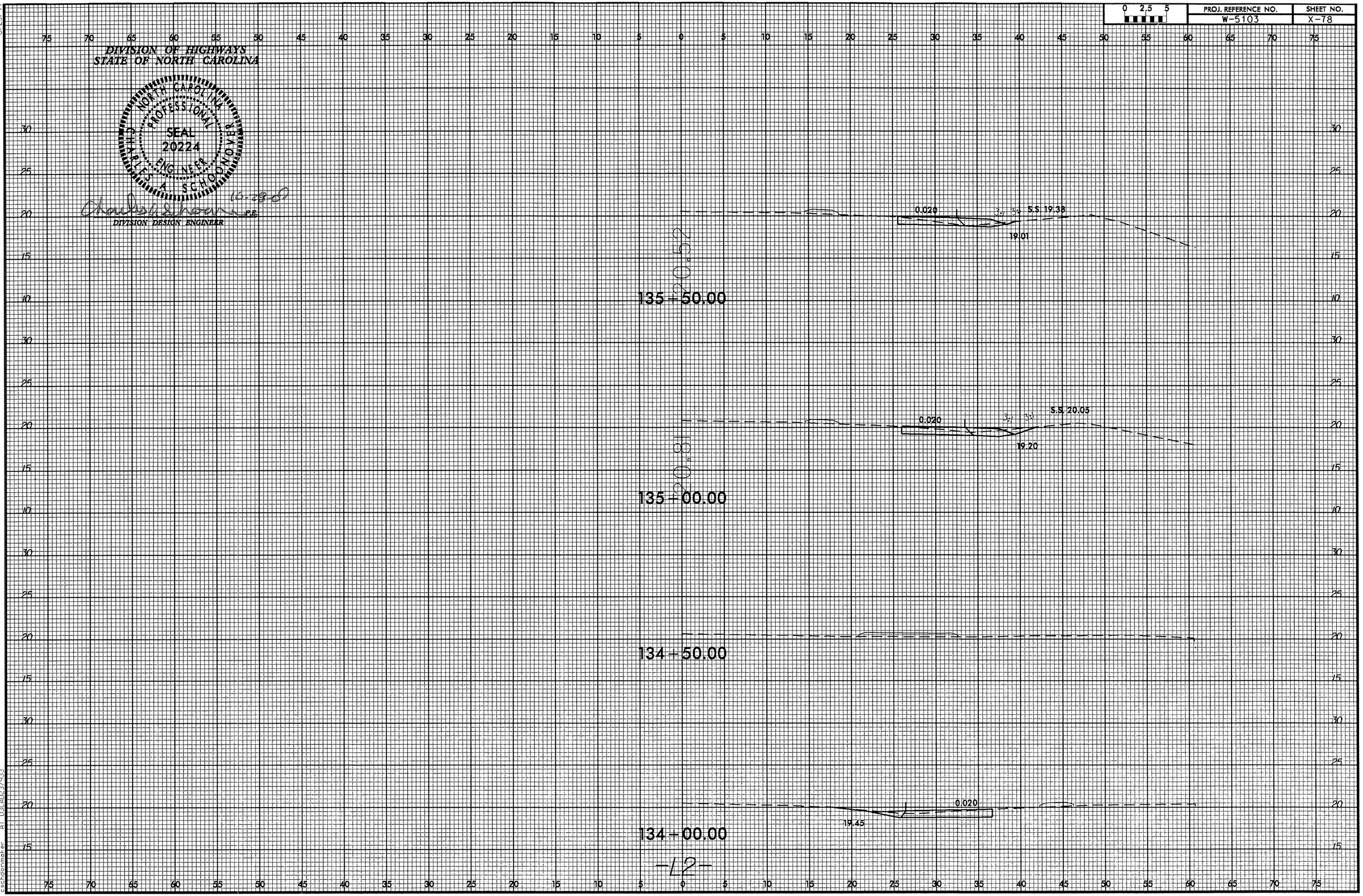

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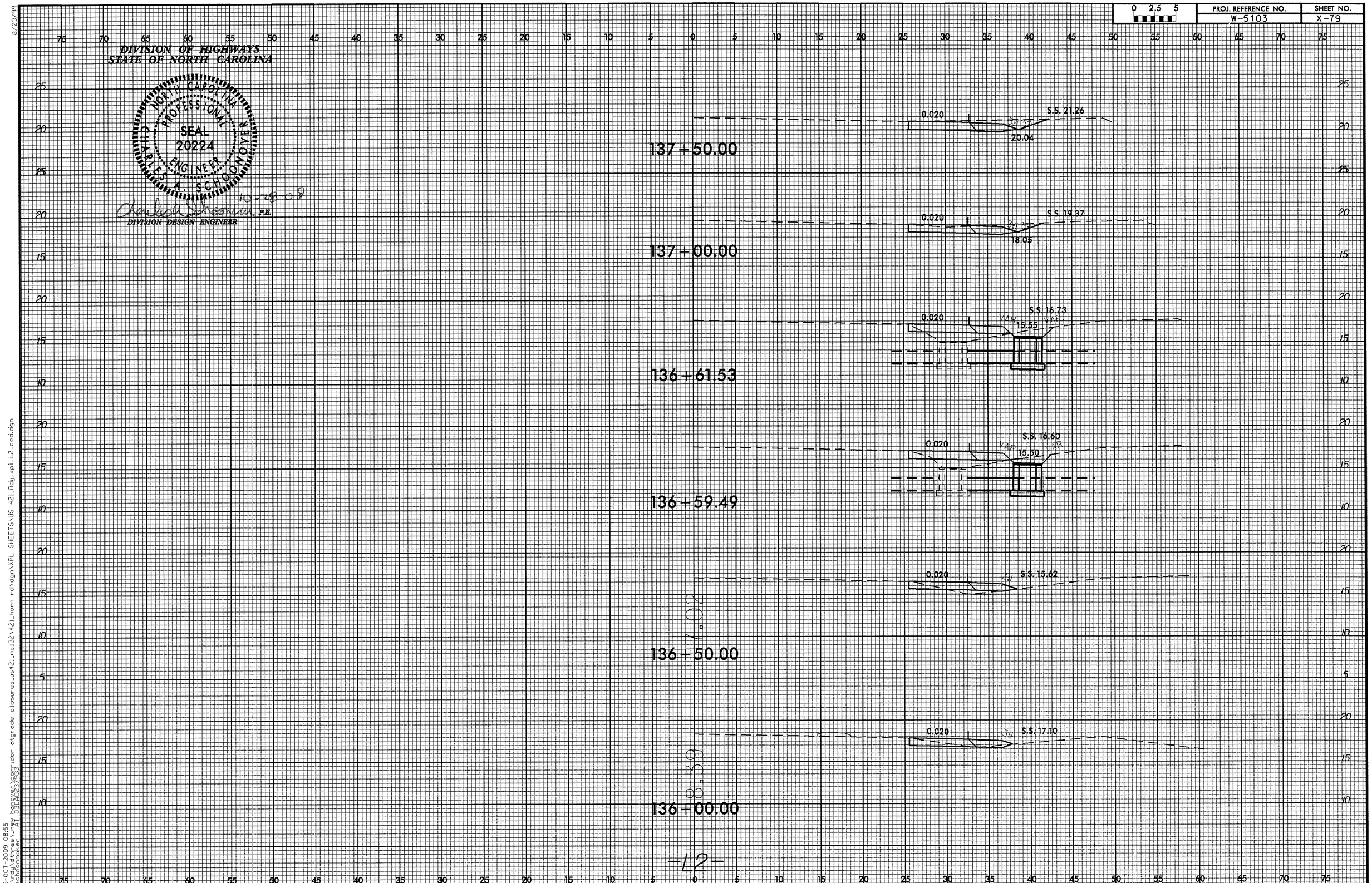

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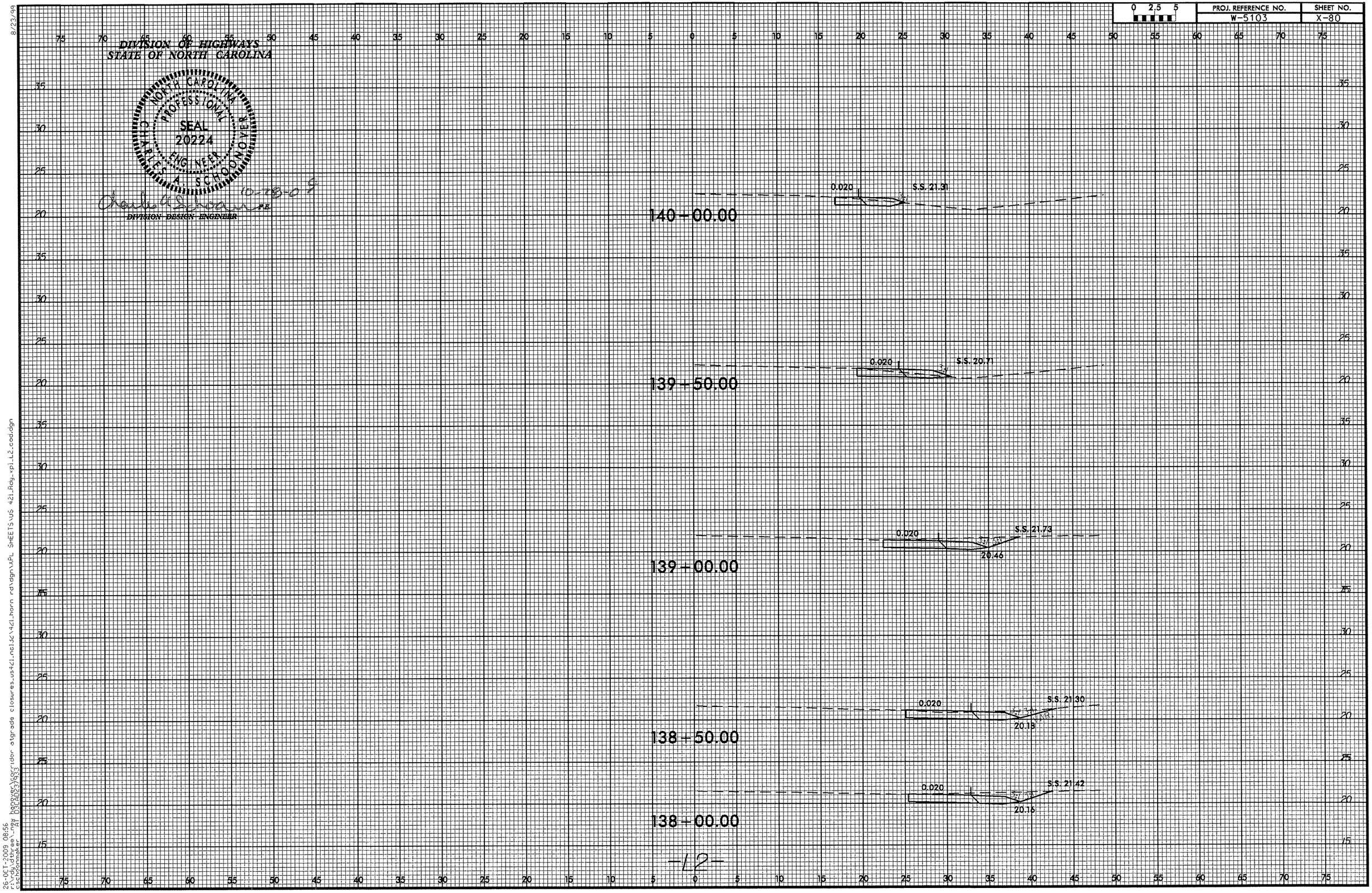

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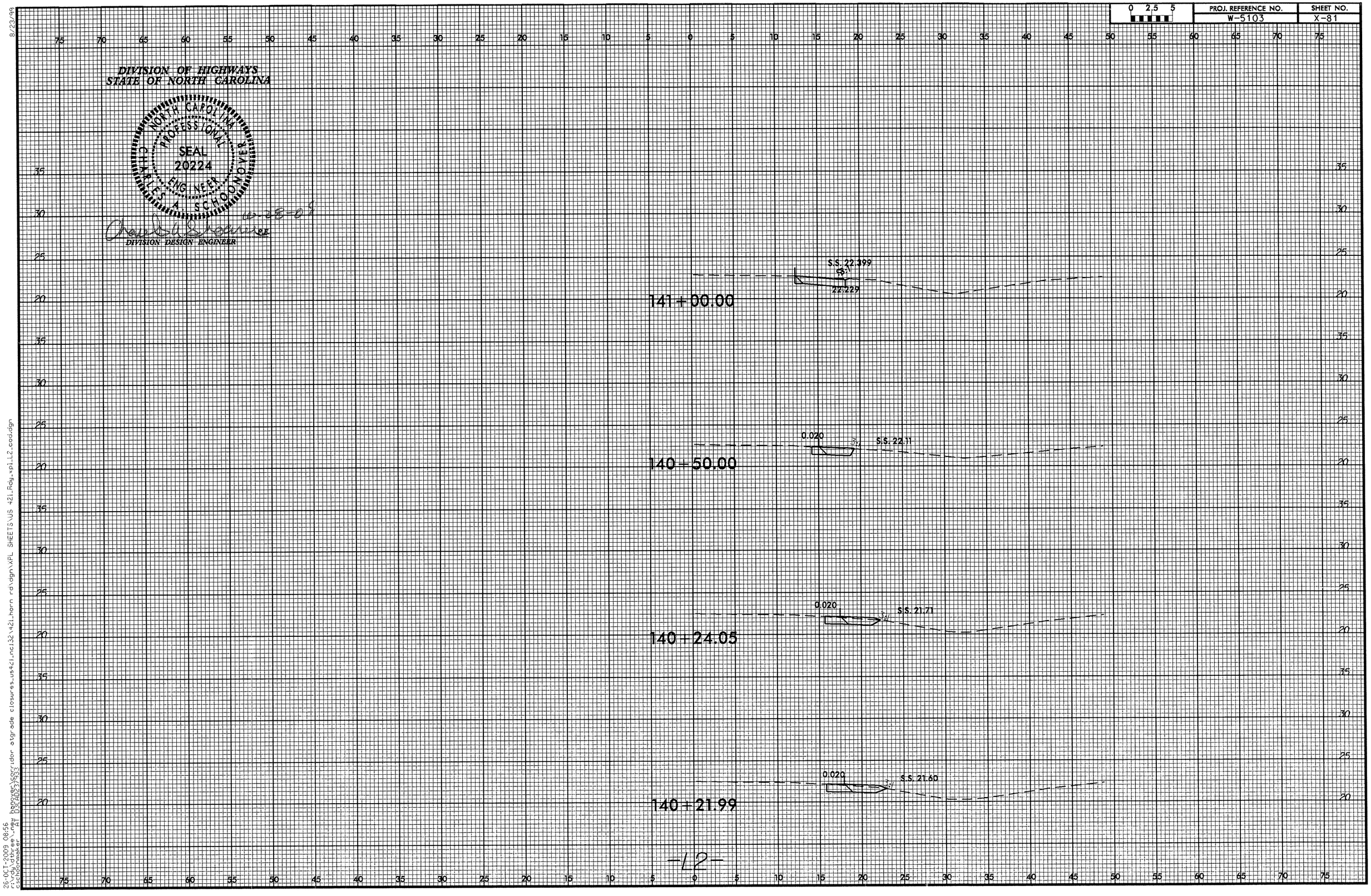
cschoonmaker AT D3CAD237933



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PROJ. REFERENCE NO.
W-5103
SHEET NO.
X-81
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER
DIVISION DESIGN ENGINEER
S.S. 22.399
22.229
141+00.00
0.020
S.S. 22.11
140+50.00
0.020
S.S. 21.71
140+24.05
0.020
S.S. 21.60
140+21.99
-L2-

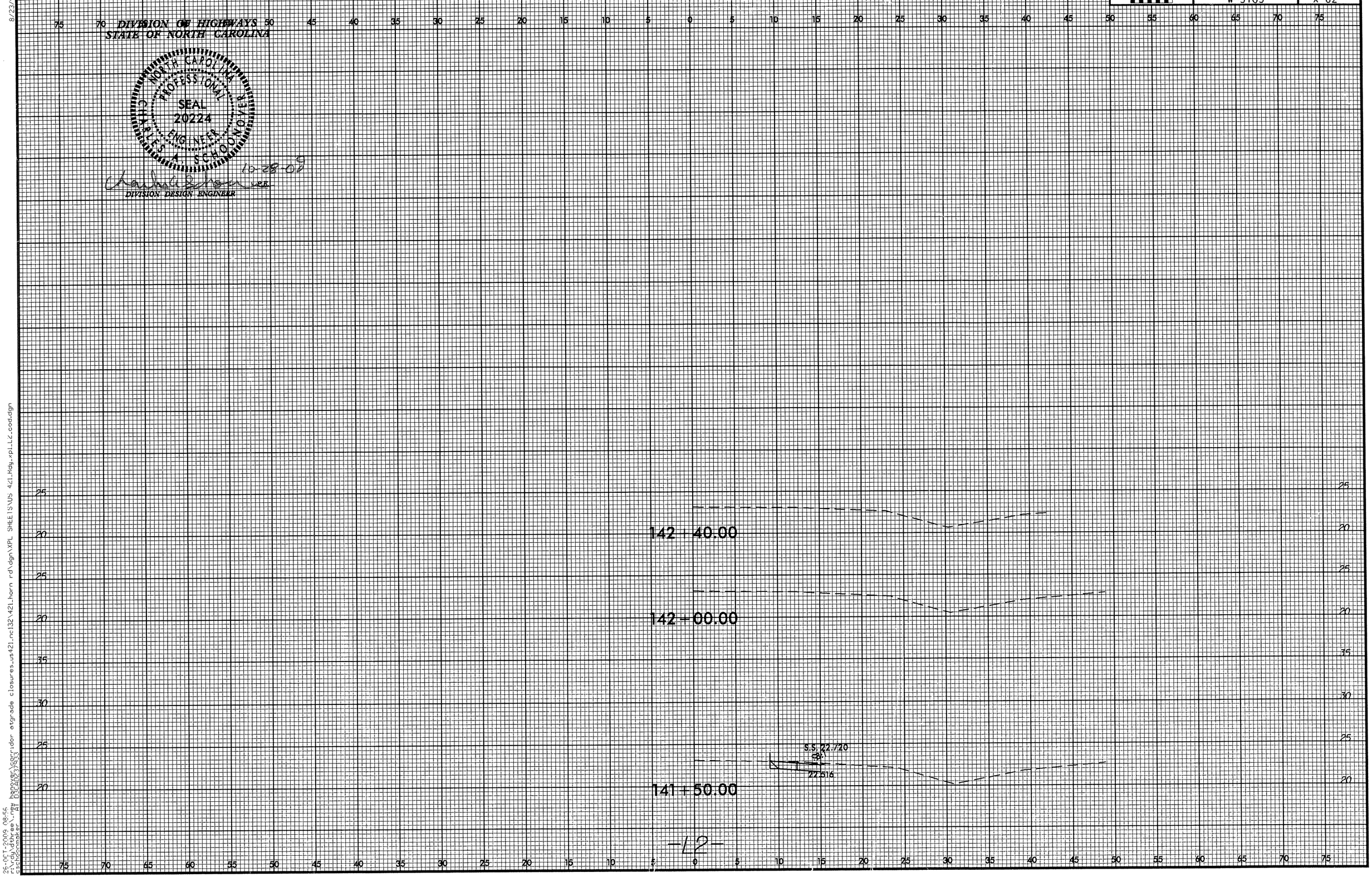
0 2.5 5	PROJ. REFERENCE NO.	SHEET NO.
	W-5103	X-82

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 20224 ENGINEER CHARLES A. SCHOONOVER

10-28-09

DIVISION DESIGN ENGINEER



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cschoonmaker AT 03CAD237933