

09/28/09

**TIP PROJECT: U-4905**

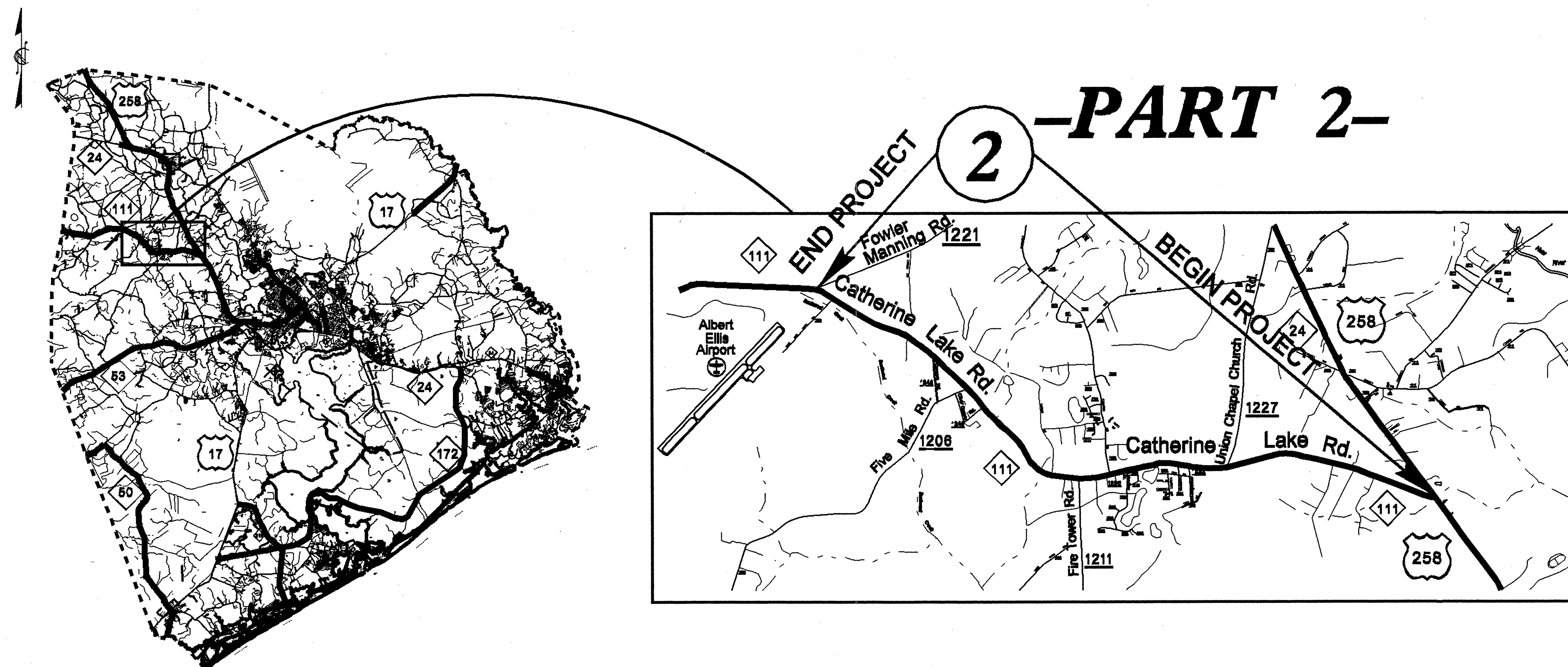
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**ONSLOW COUNTY**

**LOCATION: NC 111 (CATHERINE LAKE ROAD) FROM US 258 /NC 24 TO SR 1221 (FOWLER MANNING ROAD).**

**TYPE OF WORK: GRADING, DRAINAGE, WIDENING, AND PAVING.**

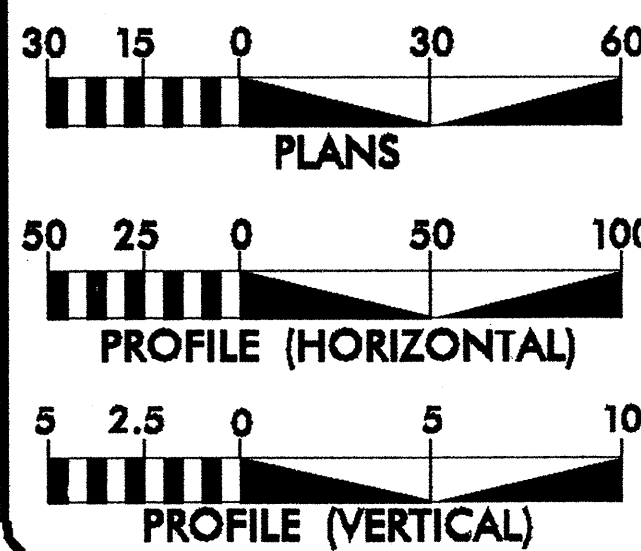
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4905	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
40254.1.1	STP-0111 (17)	PE	
40254.2.1	STP-0111 (17)	RW	
40254.3.1	STP-0111 (17)	CONST.	



**NOT TO SCALE**

**CONTRACT: C202389**

**GRAPHIC SCALES**



**DESIGN DATA**

**PROJECT LENGTH**

MAP NO. 2 = 5.48 MI.  
TOTAL = 5.48 MI.

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
124 Division Dr., Wilmington, NC 28401

2006 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:  
APRIL 20, 2010

**HYDRAULICS ENGINEER**

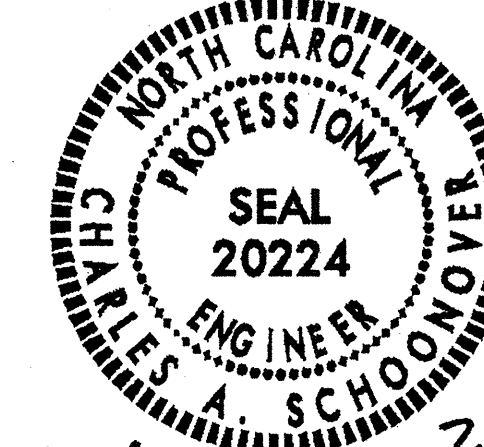
SIGNATURE: \_\_\_\_\_ P.E.

**ROADWAY DESIGN  
TECHNICIAN**

SIGNATURE: DNL

SIGNATURE: \_\_\_\_\_

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA



Charles A. Schoonover P.E.  
DIVISION DESIGN ENGINEER

02-FEB-2010 16:23  
P:\V\done\ONSLOW\_FOUR\_ONSLOW\_ROADS\_R.CL-CC-OC\DCN\cl.rdy-tsh.dgn  
diatave AT DSCAD237935



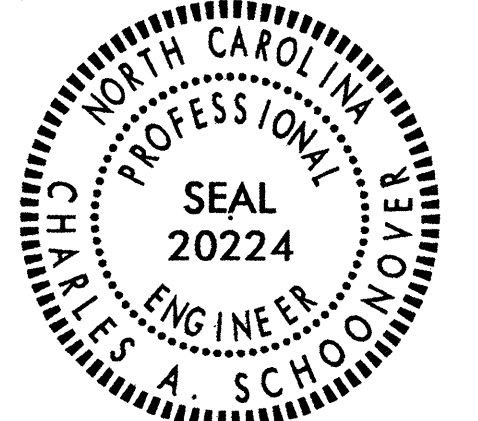












*Charles A. Schoen* 1-25-10  
STATE HIGHWAY DESIGN ENGINEER P.E.

PI Sta 144+83.28  
 $\Delta = 13^{\circ} 58' 45.5''$  (RT)  
 $D = 1^{\circ} 47' 25.8''$   
 $L = 780.75'$   
 $T = 392.32'$   
 $R = 3,200.00'$

-L2- 144+45.52  
 (18.00' LT)  
 BEG. FULL WIDTH

-L2- 141+45.28  
 (13.00' LT)  
 BEG. WIDENING

POT Sta. 136+60.02

140

S 82° 45' 48.4" W

NC III (CATHERINE LAKE ROAD)

144 + 60

PC Sta. 140+90.96

298'



**-PART 2-**

REVISIONS

8/17/99  
 C:\MSW000\02\ONSL0W\ROADS\_R\CL\CC.DC\CATHERINE LAKE ONLY\CL\_PSH.7.dgn



DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

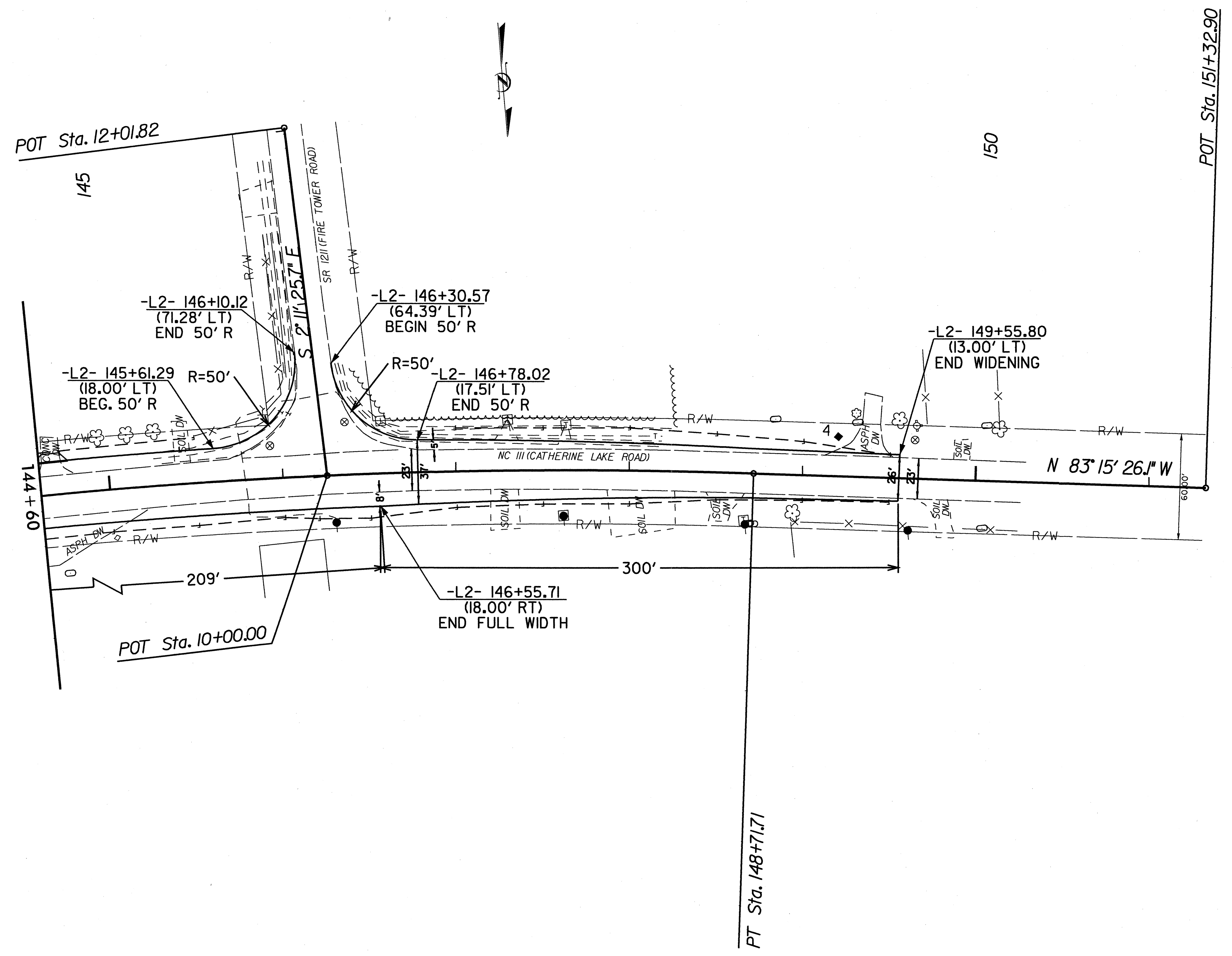


*Charles A. Schooneer* 1-25-10  
STATE HIGHWAY DESIGN ENGINEER P.E.

8/17/99

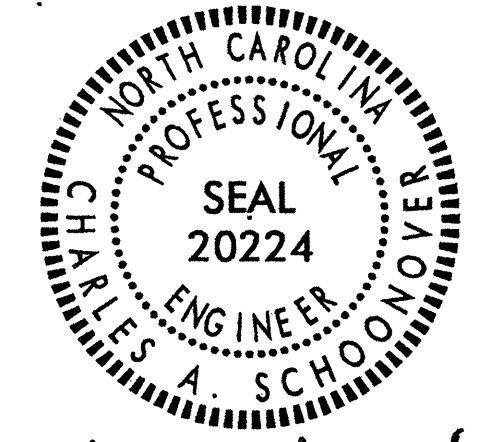
REVISIONS

C:\MSD\2010\02\02\ONSL\ONSL\ONSL\ROADS.R.CL\CC.DC\CATHERINE LAKE ONLY\CL\_PSH.B.dgn  
 1-25-10  
 1-25-10  
 1-25-10

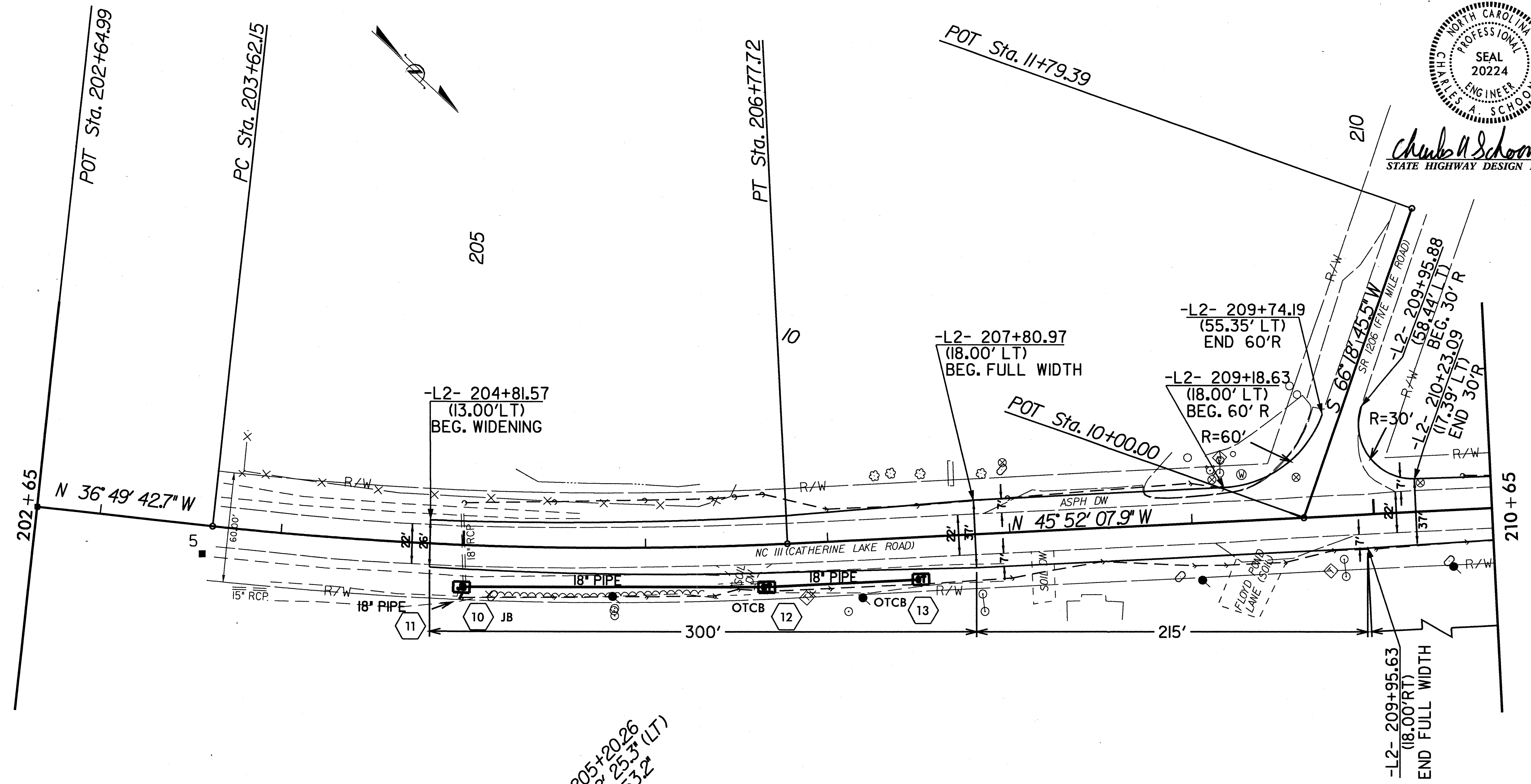


**-PART 2-**

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA



*Charles A. Schoonover* 1-25-10  
STATE HIGHWAY DESIGN ENGINEER P.E.



PI Sta 205+20.26  
 $\Delta = 9^{\circ} 02' 25.33''$  (LT)  
 $L = 315.57' 53.2''$  (LT)  
 $T = 158.11'$   
 $R = 2,000.00'$



**-PART 2-**

8/17/99

REVISIONS

25-JAN-2010 10:22  
 REVISION DONE BY: JONSON, J. FOUR ONSLOW ROADS.R.CL CC-00\CATHERINE LAKE ONLY\cl\_psh-8.dgn







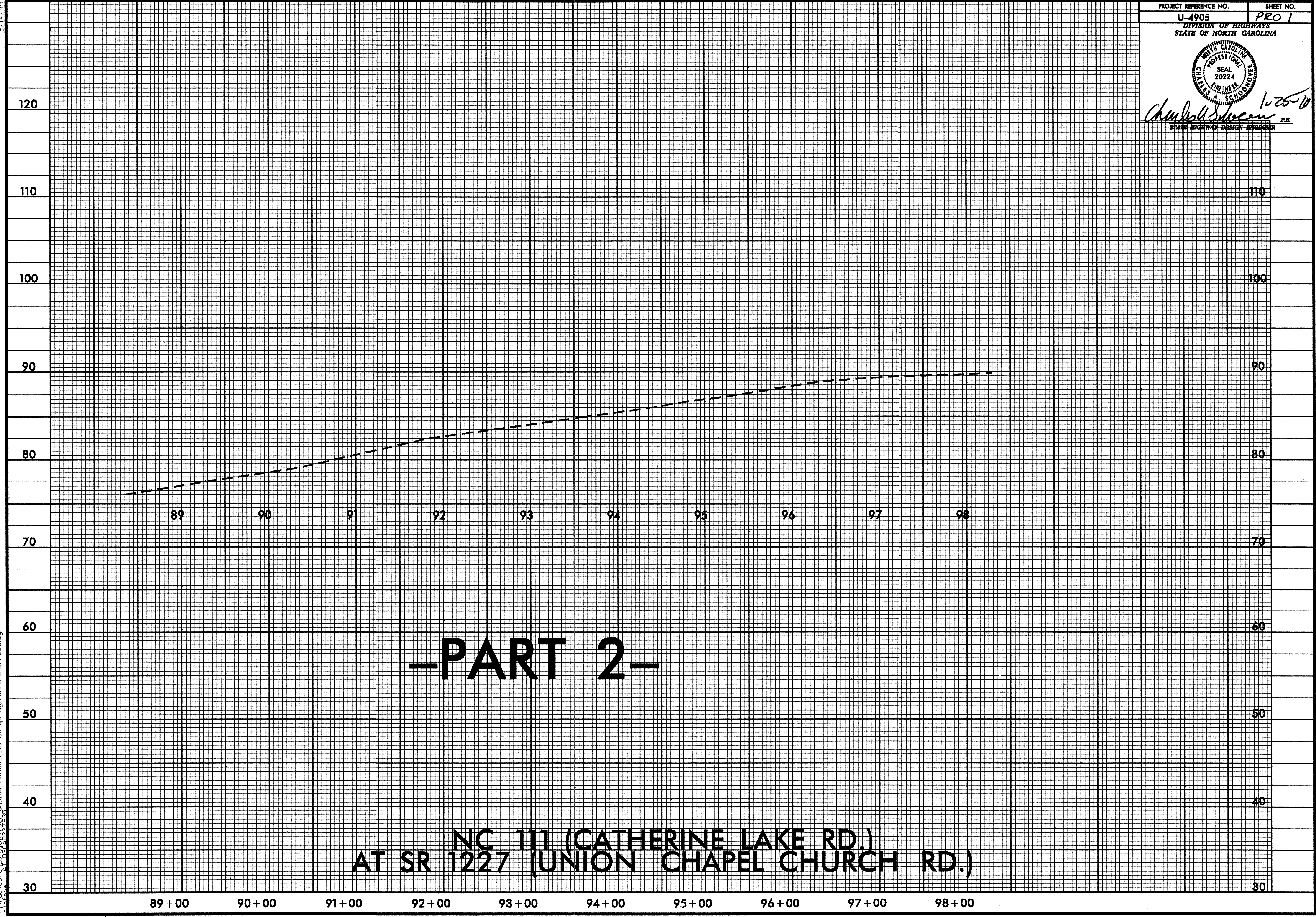
5/14/99

PROJECT REFERENCE NO. SHEET NO.  
U-4905 PRO 1

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA



*Charles S. Johnson* P.E.  
STATE HIGHWAY DESIGN ENGINEER



**-PART 2-**

**NC 111 (CATHERINE LAKE RD.)  
AT SR 1227 (UNION CHAPEL CHURCH RD.)**

25-JAN-2000 10:35  
F:\rdy\done\com\101\fig\on\low roads\_r-cl-cc-ge\dgn\CL\_PSH\_PFL\_3.dgn

89+00 90+00 91+00 92+00 93+00 94+00 95+00 96+00 97+00 98+00



5/14/09

PROJECT REFERENCE NO. SHEET NO.

U-4905 PRO 2

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA



*Chubbs Schocans* 1-26-10  
STATE HIGHWAY DESIGN ENGINEER

120  
110  
100  
90  
80  
70  
60  
50  
40  
30

110  
100  
90  
80  
70  
60  
50  
40  
30

141 142 143 144 145 146 147 148 149 150

**-PART 2-**

**NC 111 (CATHERINE LAKE RD.)  
AT SR 1211 (FIRETOWER RD.)**

137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00

25-JAN-2010 10:35  
C:\Users\jguy\OneDrive\Documents\2010\1211\1211.dwg  
25-JAN-2010 10:35  
C:\Users\jguy\OneDrive\Documents\2010\1211\1211.dwg



5/14/99

PROJECT REFERENCE NO. U-4905 SHEET NO. PRO 3

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA



Chas. A. Johnson P.E. 1-25-10  
STATE HIGHWAY DESIGN ENGINEER

120

110

100

90

80

70

60

50

40

30

120

110

100

90

80

70

60

50

40

30

204

205

206

207

208

209

210

211

212

213

-PART 2-

NC 111 (CATHERINE LAKE RD.)  
AT SR 1206 (FIVE MILE RD.)

203+00

204+00

205+00

206+00

207+00

208+00

209+00

210+00

211+00

212+00

213+00

25-JAN-2010 10:34  
P:\vtdy\done\com\101\figs\onslow\_road\sr-cl.cc.qc\dgn\cl\_psh-pfl1.dgn