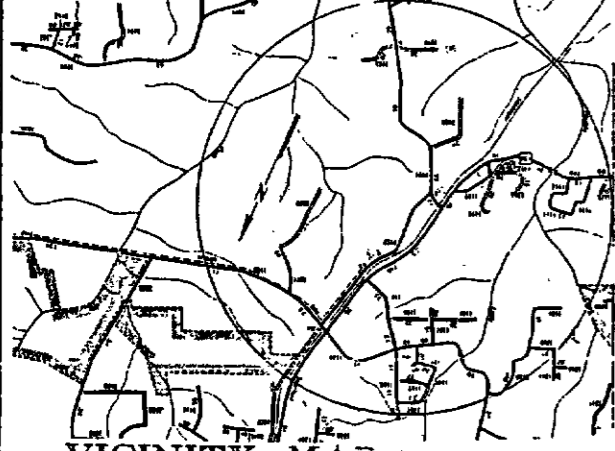


U-2311C

SEE SHEET 1-A FOR INDEX OF SHEETS



VICINITY MAP

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FORSYTH

LOCATION : FROM JONESTOWN ROAD TO
POINT 238 FEET PAST DUNN STREET

TYPE OF WORK : GRADING, DRAINAGE, PAVING, CURB AND
GUTTER, AND THERMOPLASTIC PAVEMENT
MARKINGS

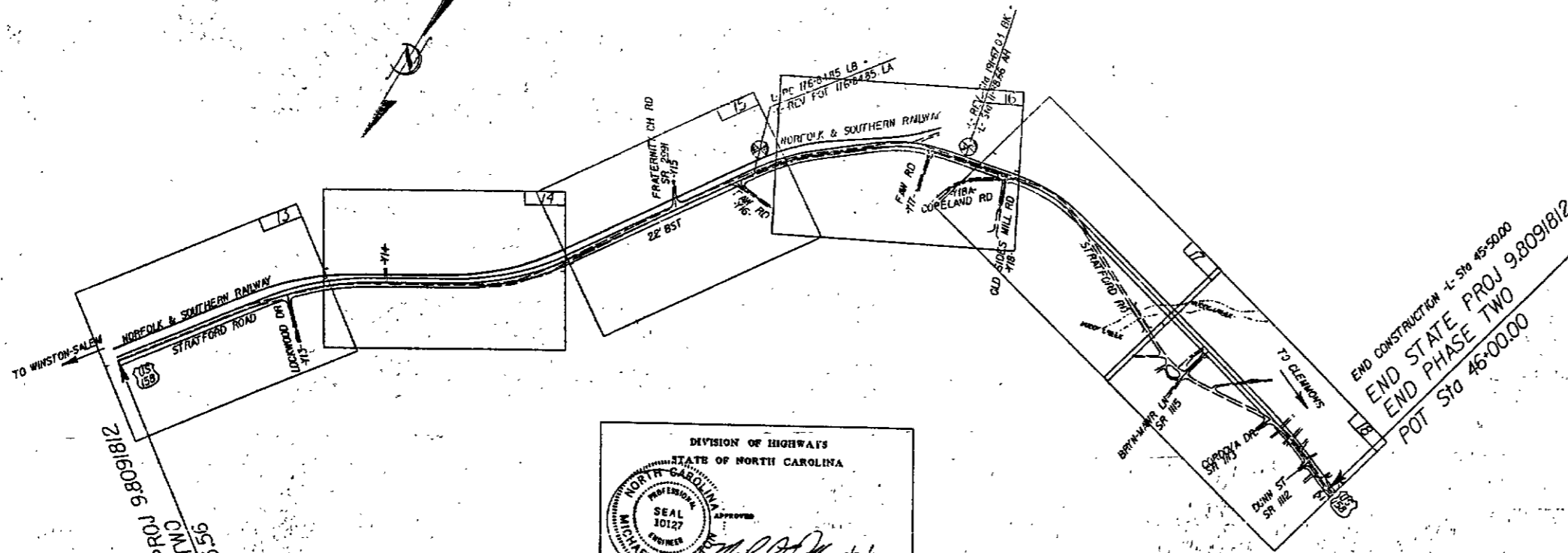
STATE	STATE PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
N.C.	9.8091812	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
9.8091812			

U-2311C
488

CONVENTIONAL SYMBOLS

County Line	---
City or Town Line	---
Exist. Right of Way Line Marker	---▲---
Prop. Right of Way Line Marker (By Others)	---▲---
Prop. Right of Way Line Marker (By Contract)	---▲---
Exist. Control of Access Line	---(X)---
Prop. Control of Access Line	---(X)---
Property Line	---(X)---
Easement Line	---(X)---
Slope Stake Line	---(X)---
Exist. Fence	--- --- ---
Prop. Woven Wire Fence	--- --- ---
Prop. Chain Link Fence	--- --- ---
Exist. Road	--- --- ---
Prop. Road	--- --- ---
Guardrail	--- --- ---
Survey Line	--- --- ---
Donotes Line Equality	--- --- ---
Bridge	--- --- ---
Culvert	--- --- ---
Railroad	--- --- ---
Woods	--- --- ---
Exist. Telephone Pole	--- --- ---
Prop. Telephone Pole	--- --- ---
Tower Pole and Line	--- --- ---
Exist. Power Pole	--- --- ---
Prop. Power Pole	--- --- ---
Sanitary Sewer Line	--- --- ---
Water Line	--- --- ---
Gas Line	--- --- ---
Prop. Wheelchair Ramp	--- --- ---
Pavement Removal	--- --- ---

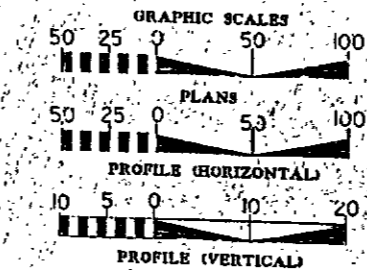
PROJECT NO.	ROAD NUMBER
9.8091812	
SECONDARY ROAD	SR 2991, SR 1112, SR 1113, SR 1115 SR 3115, SR 3008, SR 1110
	Jonestown Rd, Clemonsville Rd, Lockwood Dr, Copeland Rd, Adams Mill Rd.



DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

APPROVED
MICHAEL T. PATE
DIVISION ENGINEER

APPROVED
[Signature]
DIVISION ADMINISTRATOR



DESIGN DATA

AWT	1990	=	12,300
ADT	2010	=	22,800
DHV	10%		
D	60%		
T	3%		
V	35 - 45	mph	

TOTAL LENGTH OF STATE PROJECT 9.8091812 = 1.818 MILES;
TOTAL LENGTH OF ROADWAY PROJECT 9.8091812 = 1.818 MILES

1991 STANDARD SPECIFICATIONS

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
NINTH DIVISION DESIGN CONSTRUCT
OFFICE
WINTER HALL, N.C.

LETTING DATE: JULY 20, 1992

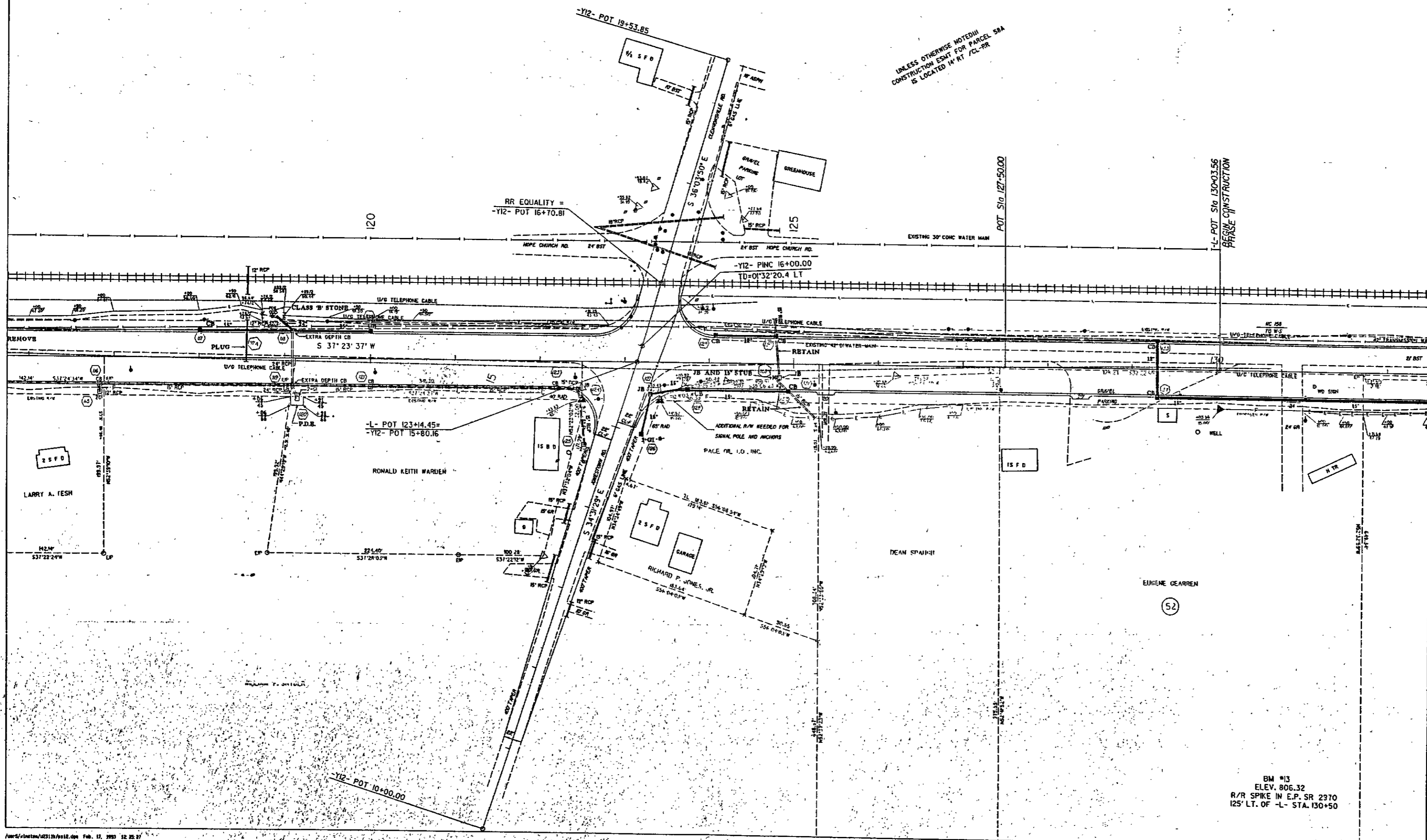
DEPARTMENT OF TRANSPORTATION
REGISTRATION AND RECORDS
PRESENTED FOR
Janel Patton \$5,000.00

"STATE OF NORTH CAROLINA - COUNTY OF WAKE" do hereby certify that this is a true and correct copy of the final plans for Project 9.8091812 identified as of the 11th day of April, 1992, to the minutes on file in my office of the 12th day of April, 1992, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12th day of April, 1992.

PROJECT: 9.8091812

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
U-2311C	12	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
9.8091812		

489



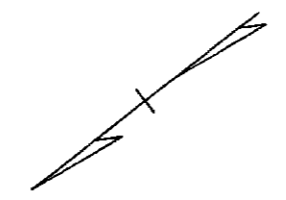
BM #13
ELEV. 806.32
R/R SPIKE IN E.P. SR 2370
125' LT. OF -L- STA. 130+50

STATE OF NORTH CAROLINA - COUNTY OF WAKE
 I, *Pauline King*, do hereby certify that this is a true and correct copy of the final plans for Project *9.8091812* identified as *LE SPEARS* to the minutes on file in my office of the *2* day of *April* 19 *93*. Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this *12* day of *April* 19 *93*.

DEPARTMENT OF TRANSPORTATION
Pauline King
 Custodian of Minutes of Board of Transportation

PRESENTED FOR REGISTRATION AND RECORD
Janet Ballone
 # 5.000.

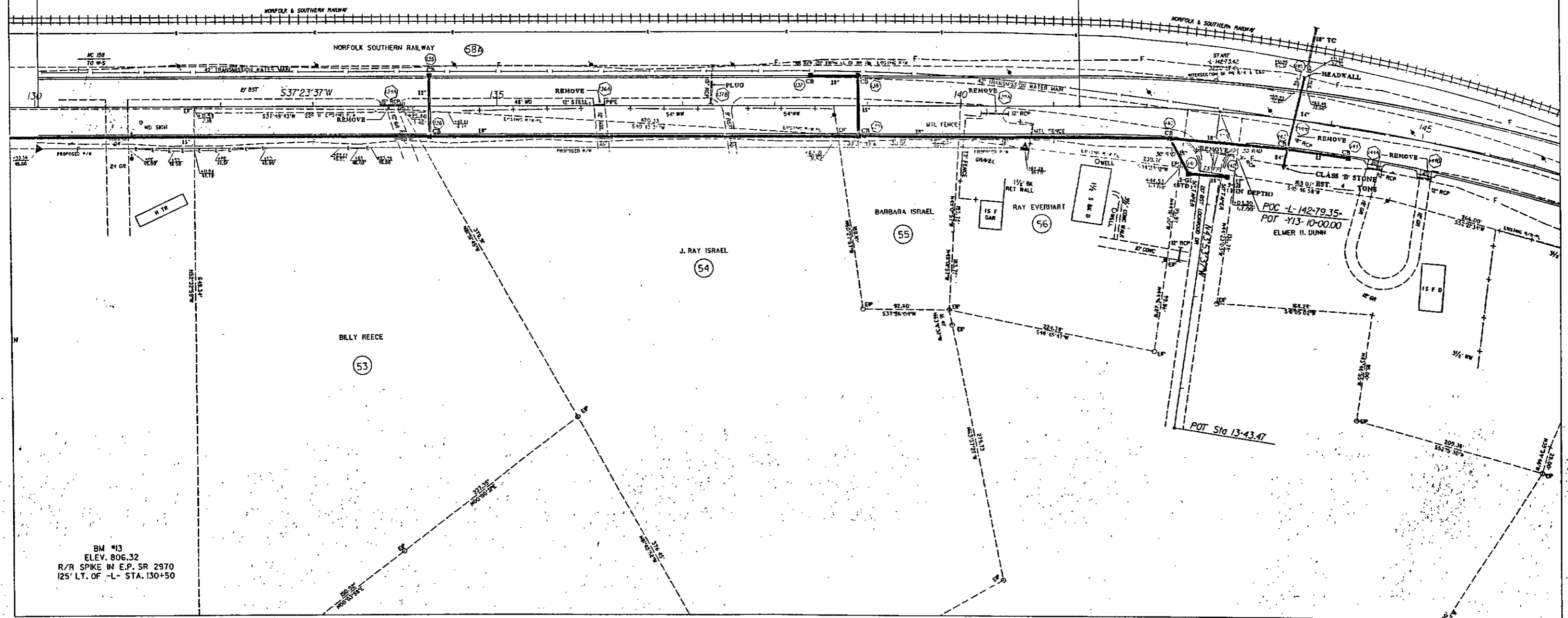
PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
U-2311C	13	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
9.8091812		



UNLESS OTHERWISE NOTED IN
CONSTRUCTION ESMT FOR PARCEL 58A
IS LOCATED 14' RT /CL-RR

-L-
PI Sta 145+01.97
Δ = 22' 8" 56' (RT)
D = 3' 0" 0"
L = 738.29'
T = 373.81'
R = 1909.86'
PC Sta 141+28.16
PT Sta 148+66.45

-L- POT Sta 130+35.56
BEGIN CONSTRUCTION PHASE



BM #13
ELEV. 806.32
R/R SPIKE IN E.P. SR 2970
125' LT. OF -L- STA. 130+50

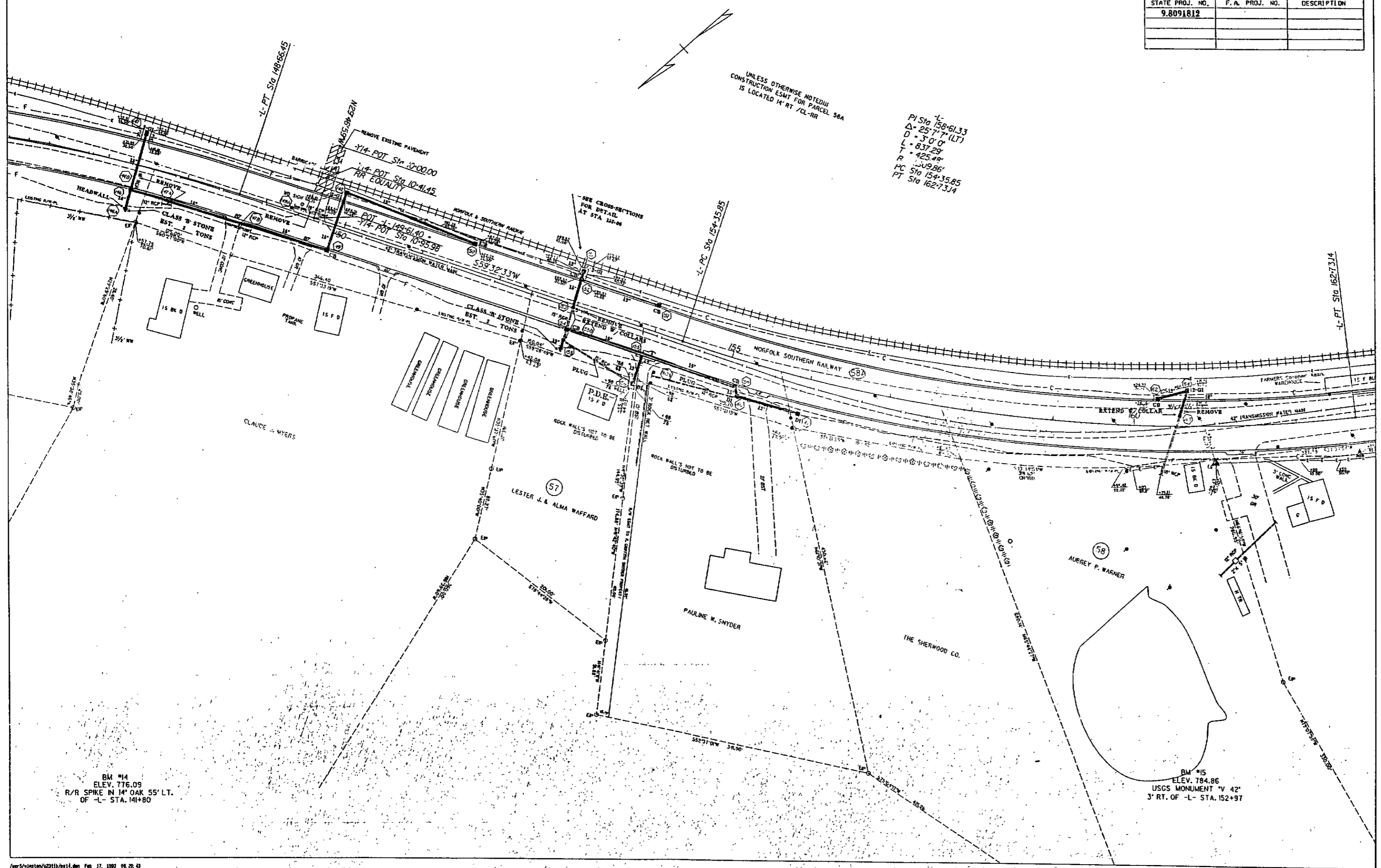
LE SEAS
REGISTERED
FORSTH CO

DEPARTMENT OF TRANSPORTATION
APR 22 11:34
REGISTRATION
FILED
PRESENTED FOR
RECORD
Janet Bottoms #5.00pd.

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
I, *Janet Bottoms*, do hereby certify that this is a true and correct copy
of the final plans for Project *9.8091812* identified as
Addendum *3* to the minutes on file in my office of the *2* day of *April*
19 *93*, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set
my hand this the *2* day of *April*, 19*93*.

491

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
U-2311C	14	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
9.8091812		



UNLESS OTHERWISE NOTED
CONSTRUCTION ESMT FOR PARCEL 58A
IS LOCATED 14' RT /CL-RR

PI STA 158+61.33
Δ = 25° 7' 7" (LT)
D = 3' 0" 0"
L = 837.29'
T = 425.48'
R = 109.86'
PC STA 154+35.85
PT STA 162+73.14

BM #14
ELEV. 776.09
R/R SPIKE IN 14' OAK 55' LT.
OF -L- STA. 141+80

BM #15
ELEV. 784.86
USGS MONUMENT "V 42"
3' RT. OF -L- STA. 152+97

E SPEAS
REGISTERED ENGINEER
FORSYTH CO. N.C.

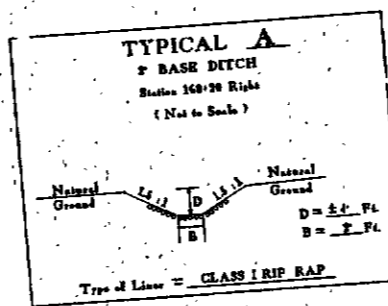
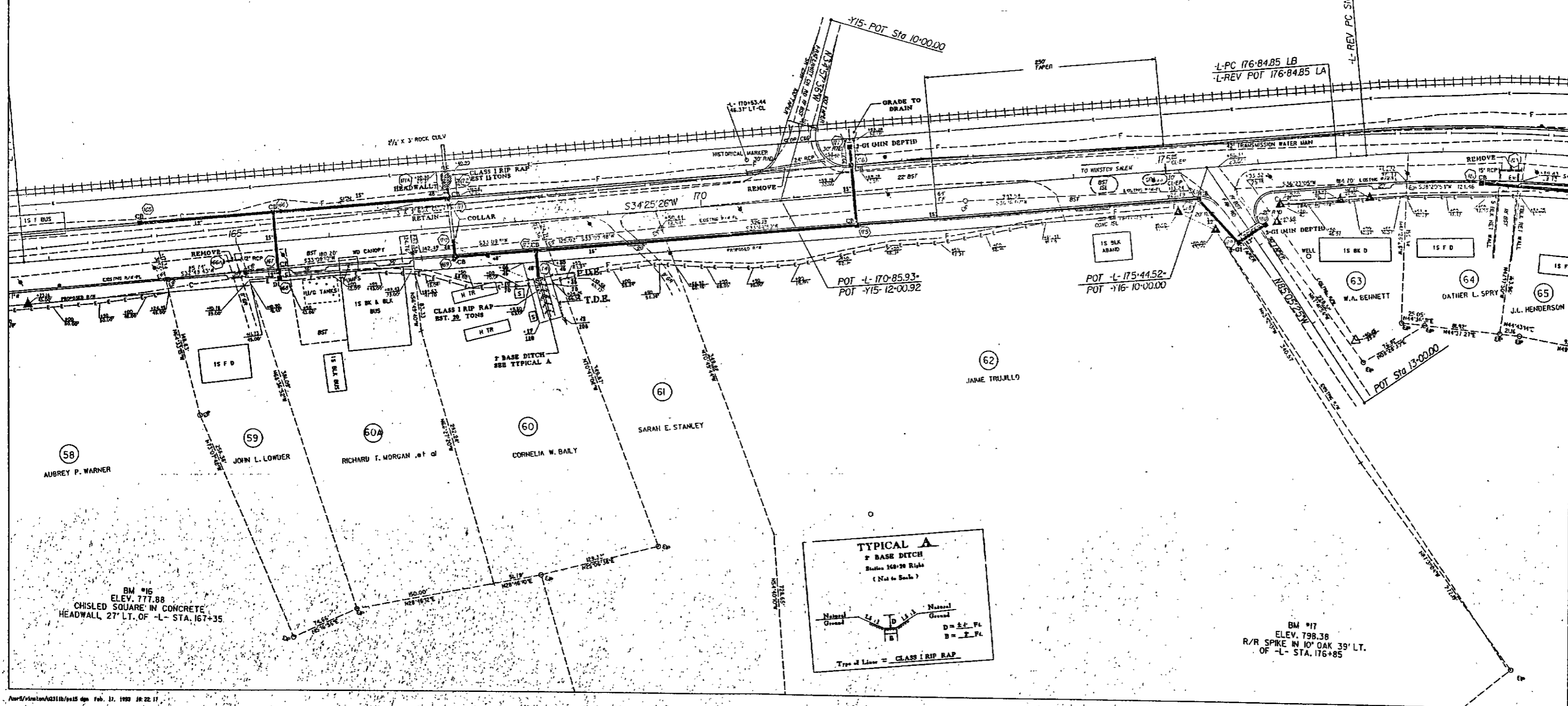
DEPARTMENT OF TRANSPORTATION
REGISTERED FOR
RECORDED
PRESENTED FOR
Custodian of Minutes of Board of Transportation

93 APR 22 AM 10:04
"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
I, *Janet Bottoms*, do hereby certify that this is a true and correct copy of the final plans for Project 9.8091812 identified as *11111* to the minutes on file in my office of the *2* day of *April*, 19 *93*. Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the *12* day of *April*, 19 *93*.

Janet Bottoms
\$5.00 d.

PROJ. REFERENCE NO. U-2311C	SHEET NO. 15	TOTAL SHEETS
STATE PROJ. NO. 9.8091812	F. A. PROJ. NO.	DESCRIPTION

-L- REV
 PI Sta 179+28.36
 $\Delta = 16' 48' 37"$ (RT)
 D = 4' 0" 0"
 L = 420.25'
 T = 211.65'
 $\theta = 1.43273^\circ$
 PC Sta 177+16.72
 PT Sta 181+36.97



BM #16
 ELEV. 777.88
 CHISEL SQUARE IN CONCRETE
 HEADWALL 27' LT. OF -L- STA. 167+35

BM #17
 ELEV. 798.38
 R/R SPIKE IN 10' OAK 39' LT.
 OF -L- STA. 176+85

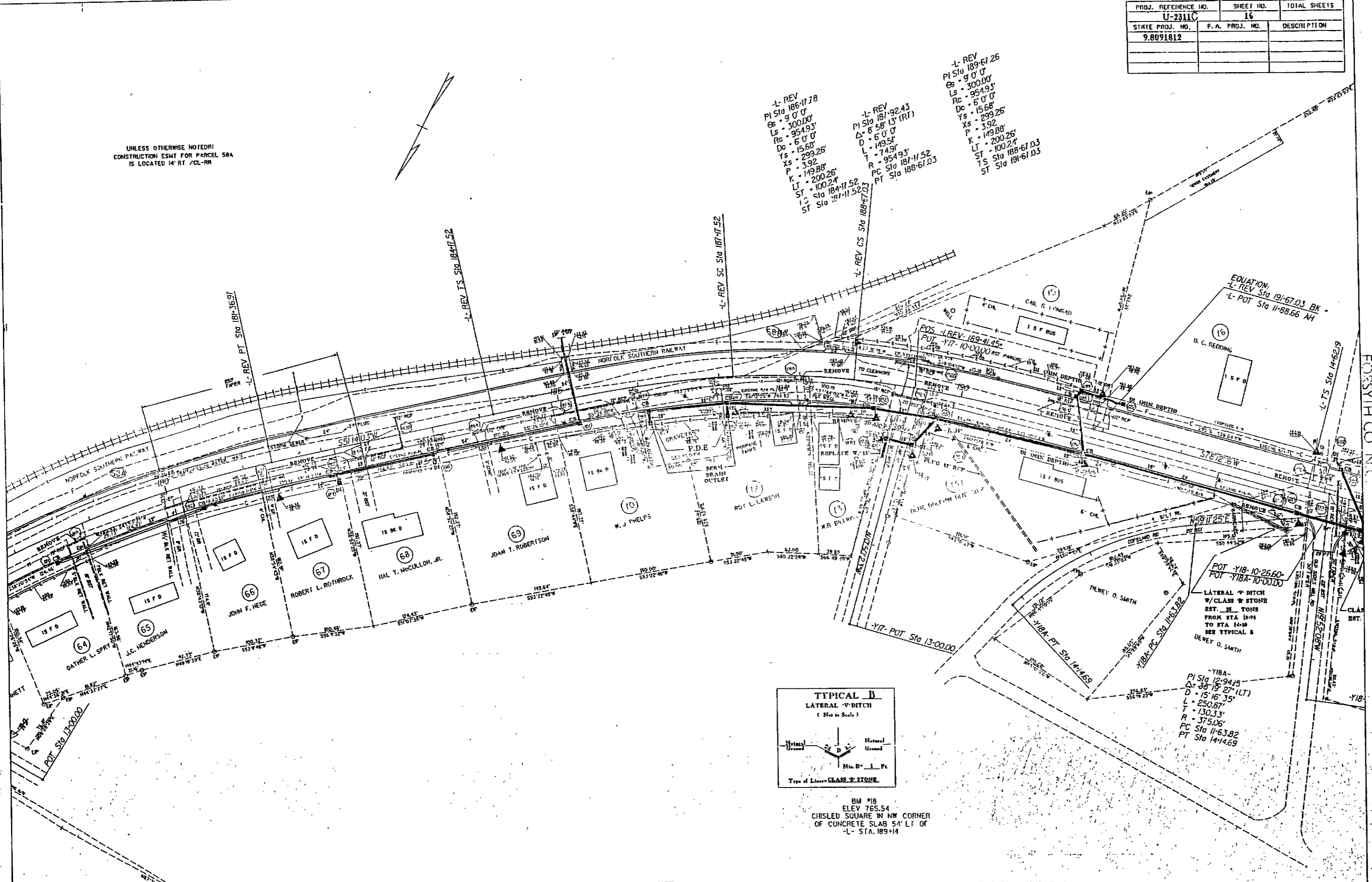
REGISTERED
 E. SPEARS
 FAYATHE CO. N.C.

STATE OF NORTH CAROLINA - COUNTY OF WAKE
 I, Richard Morgan, do hereby certify that this is a true and correct copy
 of Plan Sheet 15 of the final plans for Project U-2311C identified as
 Addendum 3 to the minutes on file in my office of the 2 day of April
1993, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set
 my hand this the 12 day of April, 1993.

DEPARTMENT OF TRANSPORTATION
 REGISTERED RECORDS
 PRESENTED FOR
 REGISTRATION
 APR 22 AM 11:34
 93
 Custodian of Minutes of Board of Transportation
 Janet Ballou S.O.pd.

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
U-2311C	16	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
9.8091812		

UNLESS OTHERWISE NOTED
CONSTRUCTION ESMT FOR PARCEL 58A
IS LOCATED 14' RT /CL-RR



-L- REV
PI Sta 186-17.78
Os = 9' 0" 0"
Ls = 300.00'
Rc = 954.93'
Ds = 6' 0" 0"
Ys = 15.68'
Xs = 299.26'
P = 3.92'
K = 149.88'
LT = 200.24'
ST = 100.24'
L = Sta 184-11.52
ST Sta 187-11.52

-L- REV
PI Sta 187-92.43
Os = 8' 58" 13" (RT)
Ls = 6' 0" 0"
Rc = 149.51'
Ds = 74.91'
Ys = 954.93'
Xs = 149.88'
P = 3.92'
K = 149.88'
LT = 200.24'
ST = 100.24'
L = Sta 188-67.03
PT Sta 188-67.03

-L- REV
PI Sta 189-67.26
Os = 9' 0" 0"
Ls = 300.00'
Rc = 954.93'
Ds = 6' 0" 0"
Ys = 15.68'
Xs = 299.26'
P = 3.92'
K = 149.88'
LT = 200.24'
ST = 100.24'
L = Sta 189-67.03
PT Sta 189-67.03

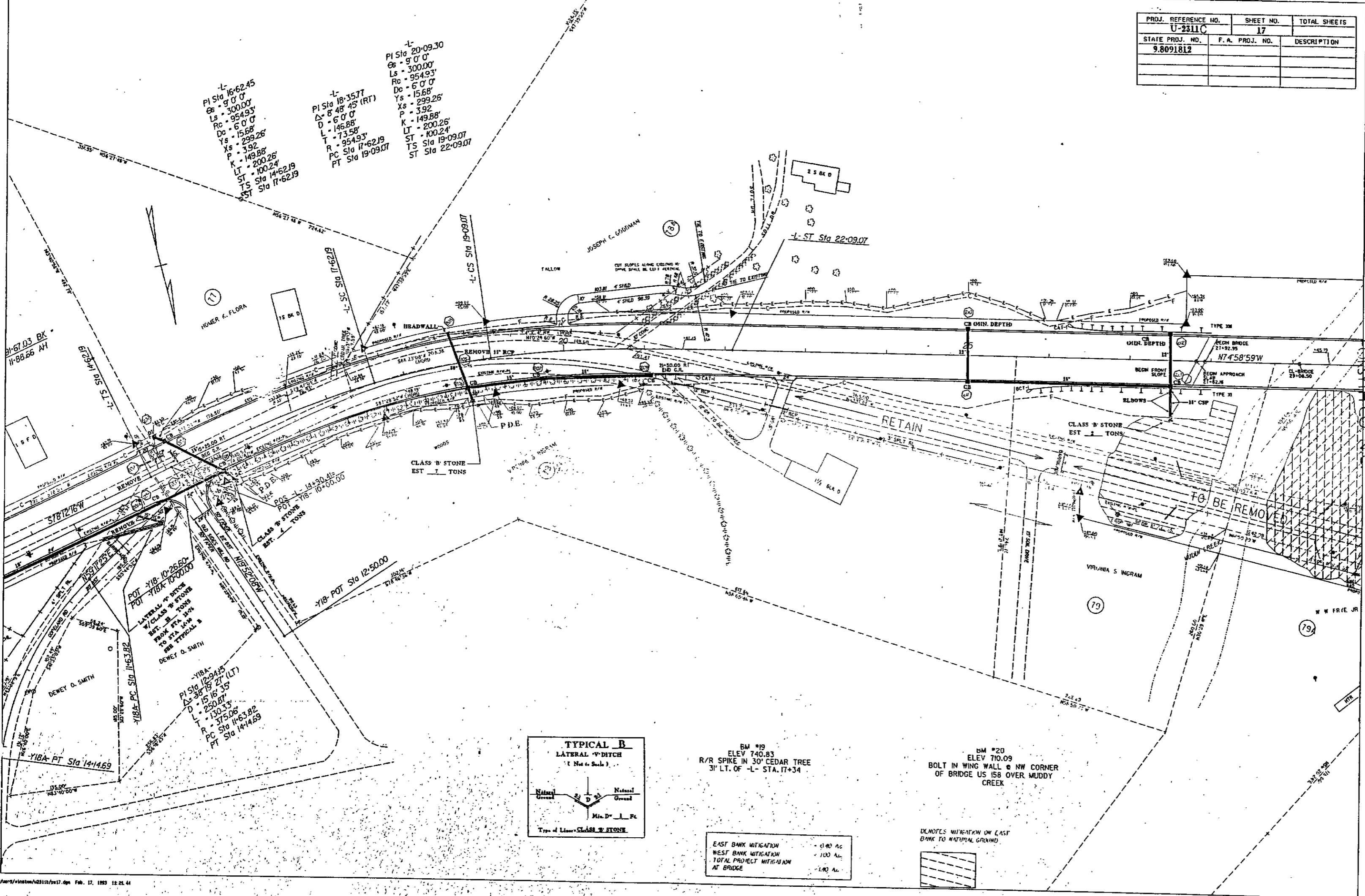
REGISTER OF DEEDS
FORSYTH CO. N.C.

STATE OF NORTH CAROLINA - COUNTY OF WAKE.
I, *Janet Ballona*, do hereby certify that this is a true and correct copy of the final plans for Project *9.8091812* to the minutes on file in my office of the *2* day of *April* 19*93*. Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the *12* day of *April* 19*93*.

DEPARTMENT OF TRANSPORTATION
REGISTERED FOR
AND RECORD
PRESENTED FOR
Custodian of Minutes of Board of Transportation
Janet Ballona
#5,000

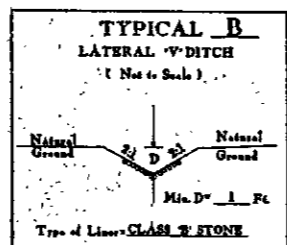
93 APR 22 AM 11:34

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
U-2311C	17	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
9.8091812		



L- Sta 16+62.45
 PI Sta 16+09.30
 Δ = 9' 0" 0"
 Ls = 300.00'
 Rc = 954.93'
 Δ = 6' 0" 0"
 De = 15.68'
 Ys = 299.26'
 Xs = 3.92'
 P = 149.88'
 K = 200.26'
 LT = 100.24'
 ST Sta 14+62.19
 TS Sta 17+62.19
 ST Sta 19+09.07
 TS Sta 22+09.07

Y18A POT Sta 12+50.00
 Y18A PC Sta 11+63.82
 Y18A PT Sta 14+14.69
 PI Sta 12+94.15
 Δ = 36' 18" 27" (LT)
 L = 250.67'
 R = 375.06'
 PC Sta 11+63.82
 PT Sta 14+14.69



BM #19
 ELEV 740.83
 R/R SPIKE IN 30' CEDAR TREE
 3' LT. OF -L- STA. 17+34

BM #20
 ELEV 710.09
 BOLT IN WING WALL @ NW CORNER
 OF BRIDGE US 158 OVER MUDDY
 CREEK

EAST BANK MITIGATION - 0.40 AC
 WEST BANK MITIGATION - 1.00 AC
 TOTAL PROJECT MITIGATION AT BRIDGE - 1.40 AC

DENOTES MITIGATION ON EAST BANK TO NATURAL GRASSLAND

LE SPEARS REGISTER OF DEEDS

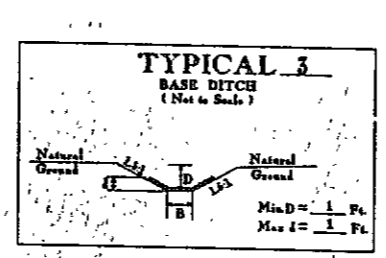
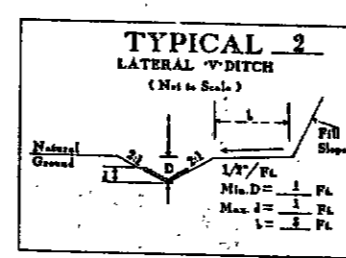
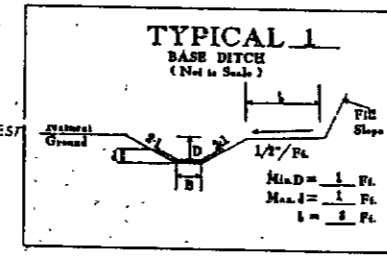
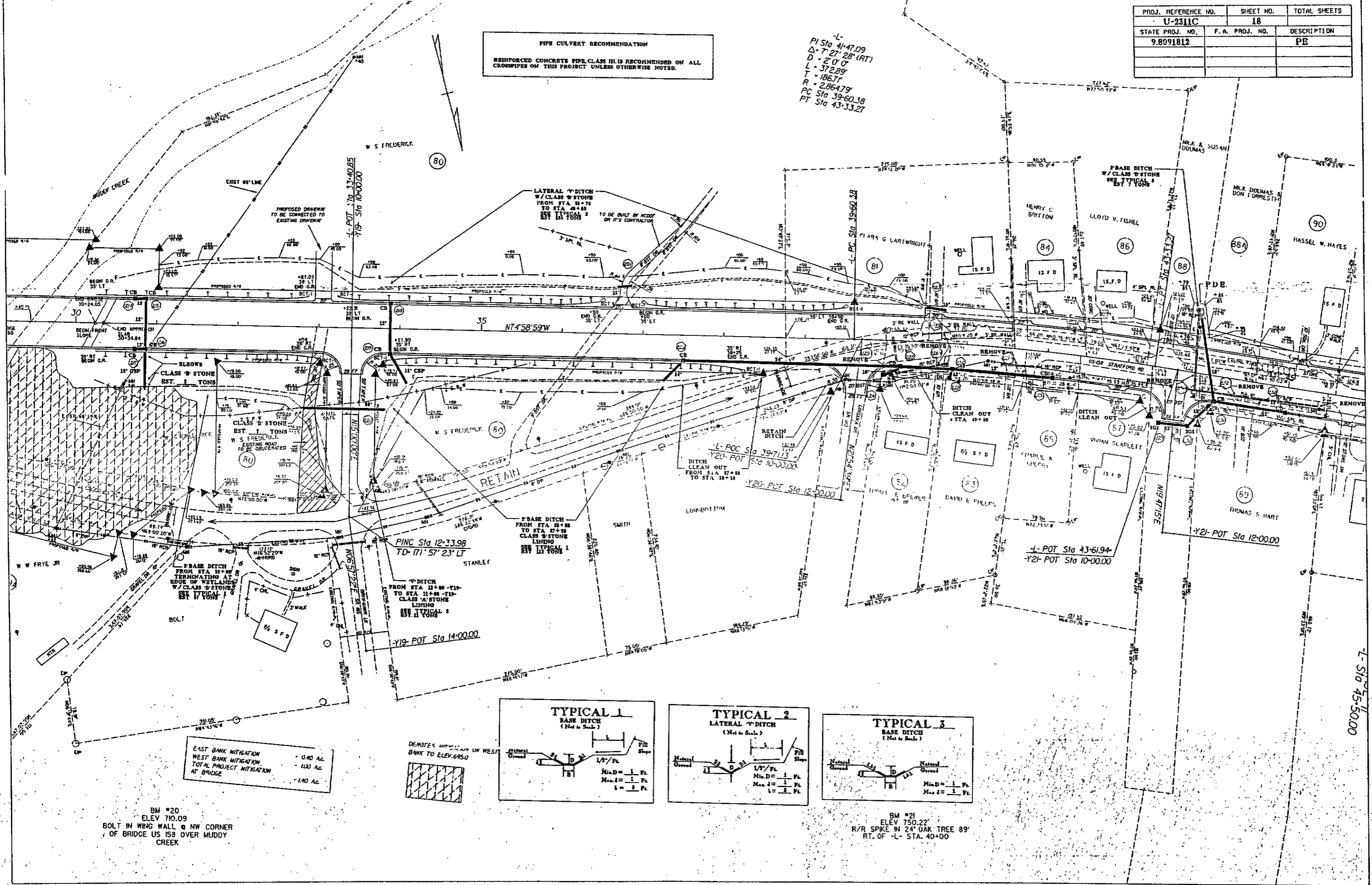
DEPARTMENT OF TRANSPORTATION
 REGISTERED RECORD
 PRESENTED FOR
 REGISTRATION
 93 APR 22 AM 34
 COUNTY OF WAKE
 I, Janet Bottoms, Clerk of the Board of Transportation, do hereby certify that this is a true and correct copy of the final plans for Project U-2311C as identified as U-2311C to the minutes on file in my office of the 22 day of April, 1993. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 22 day of April, 1993.

Janet Bottoms
 # 5090d.

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
U-2311C	18	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
9.8091812		PE

PIPE CULVERT RECOMMENDATION
 REINFORCED CONCRETE PIPE CLASS III IS RECOMMENDED ON ALL CROSSPIES ON THIS PROJECT UNLESS OTHERWISE NOTED.

-L-
 PI Sta 41+47.09
 Δ-T 27' 28" (RT)
 D = 2' 0" 0"
 L = 372.89'
 T = 186.71'
 R = 2,864.79'
 PC Sta 39+60.38
 PT Sta 43+33.27



EAST BANK MITIGATION
 WEST BANK MITIGATION
 TOTAL PROJECT MITIGATION
 AT BRIDGE

0.40 AC.
 1.00 AC.
 1.40 AC.

BM #20
 ELEV 710.09
 BOLT IN WING WALL @ NW CORNER
 OF BRIDGE US 159 OVER MUDDY
 CREEK

REGISTER OF DEEDS
 FORSYTH CO. N.C.

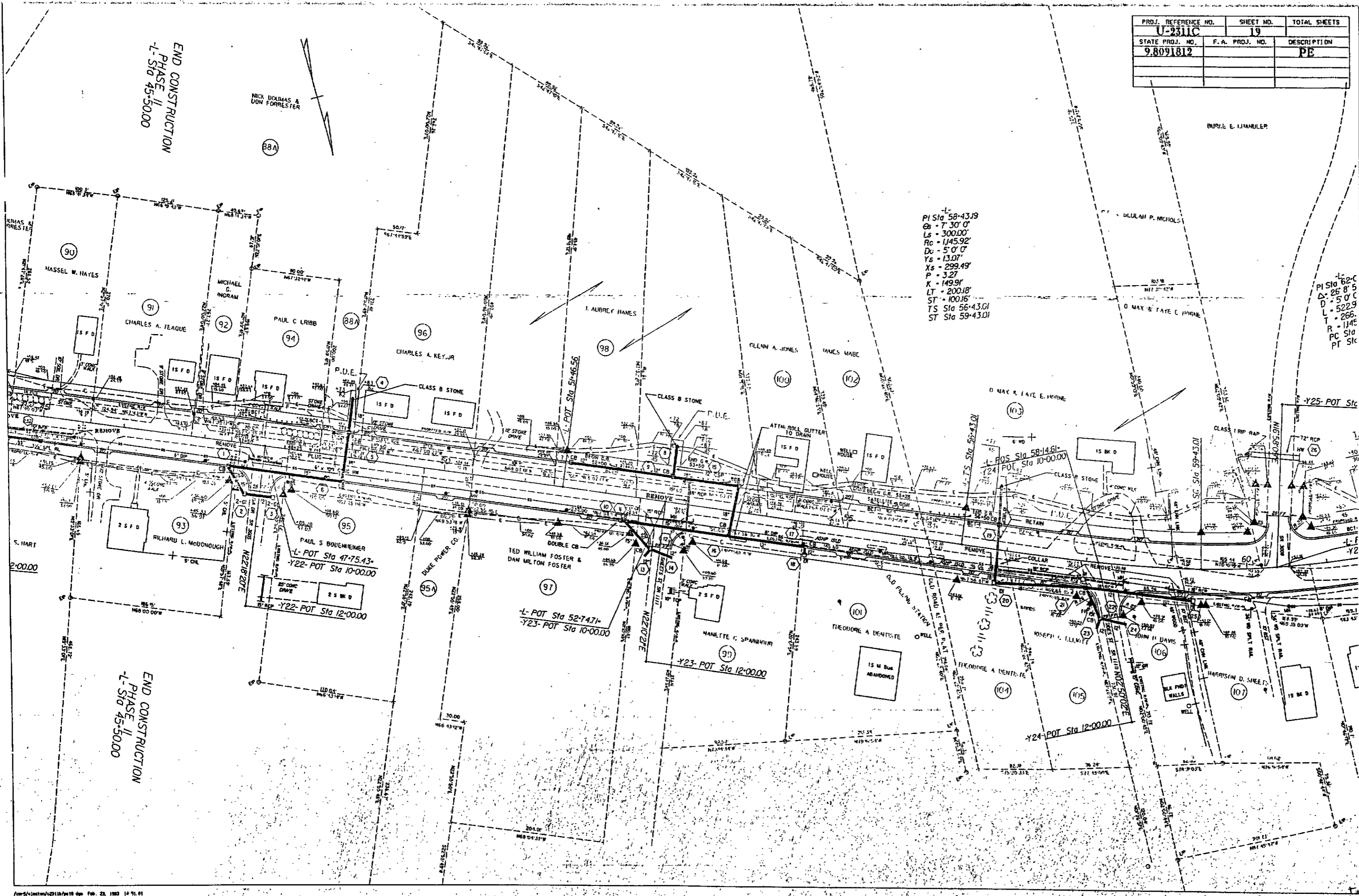
DEPARTMENT OF TRANSPORTATION
 PRESENTED FOR
 REGISTRATION
 93 APR 22 AM 11:34
 Custodian of Minutes of Board of Transportation

STATE OF NORTH CAROLINA - COUNTY OF WAKE
 I, Richard J. [Signature] do hereby certify that this is a true and correct copy
 of the final plans for Project 9.8091812 identified as
[Project Name] to the minutes on file in my office of the 17th day of April
 1993. Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set
 my hand this 17th day of April 1993.

Janet Bottoms
 \$5,000.00

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
U-2511C	19	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
9.8091812		PE

496



END CONSTRUCTION
PHASE II
L- Sta 45+50.00

END CONSTRUCTION
PHASE II
L- Sta 45+50.00

L-
PI Sta 58+43.19
Cs = 7' 30" 0"
Ls = 300.00'
Rc = 1145.92'
Ds = 5' 0" 0"
Ys = 13.07'
Xs = 299.49'
P = 3.27'
K = 149.91'
LT = 200.18'
ST = 100.16'
TS Sta 56+43.01
ST Sta 59+43.01

L-
PI Sta 62+05.50
Ds = 5' 0" 0"
L = 522.9'
R = 1145.92'
PC Sta
PT Sta

REGISTER OF DEEDS
FORSYTH CO. N.C.

STATE OF NORTH CAROLINA - COUNTY OF WAKE, I, Janet Bottoms, do hereby certify that this is a true and correct copy of the final plans for Project 9.8091812 identified as U-2511C to the minutes on file in my office of the 19th day of April, 1993. Board of Transportation meeting, IN TESTIMONY WHEREOF, I have hereunto set my hand this the 19th day of April, 1993.

Janet Bottoms
#5.000