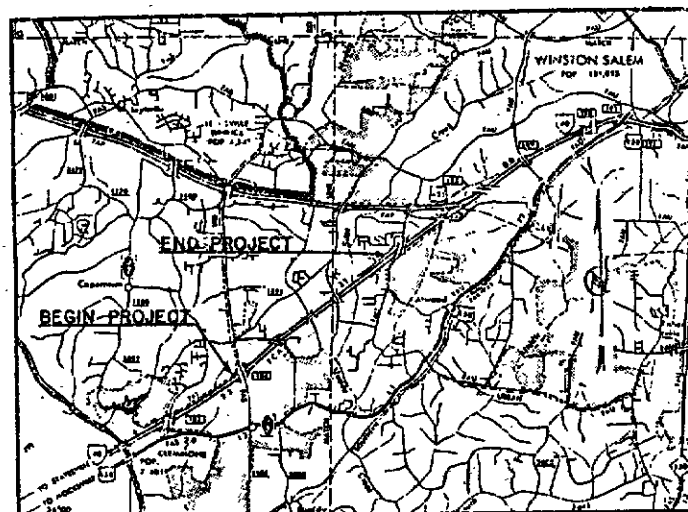


517

I-0911C

PROJECT: 8.1610402

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols



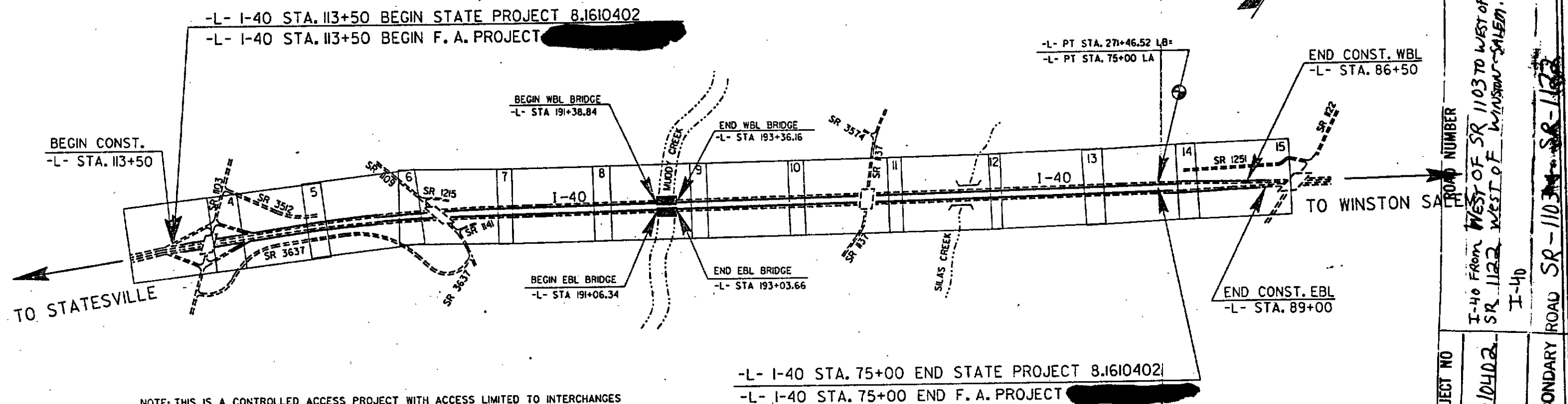
SKETCH MAP SHOWING LOCATION OF
STATE PROJECT 8.1610402

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
FORSYTH COUNTY

LOCATION: I-40 FROM 0.15 MILES WEST OF SR 1103
TO 0.3 MILES WEST OF SR 1122

TYPE OF WORK: WIDENING, RESURFACING, REHABILITATION OF
EXISTING PAVEMENT, PAVING, GRADING,
DRAINAGE, STRUCTURES, LONG LIFE PAVEMENT
MARKERS, AND SIGNING

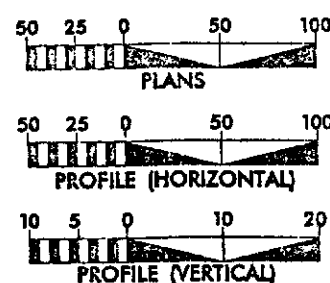
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	8.1610402	1	165
STATE FUNDING	F.A. PROJECT NO.	DESCRIPTION	
8.1610402		R/W, UTIL, CONST.	



NOTE: THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS LIMITED TO INTERCHANGES

-L- I-40 STA. 75+00 END STATE PROJECT 8.1610402
-L- I-40 STA. 75+00 END F.A. PROJECT

GRAPHIC SCALES



DESIGN DATA

ADT 1990 = 30,200 - 34,500
ADT 2010 = 51,100 - 58,300
DHV = 10%
D = 60%
T = 20%
V = 60 MPH

PROJECT LENGTH

LENGTH ROADWAY F.A. PROJECT = 2.955 MILES
LENGTH STRUCTURE F.A. PROJECT = 0.037 MILES
TOTAL LENGTH STATE PROJECT 8.1610402 = 2.992 MILES

Prepared in the Office of:

DIVISION OF HIGHWAYS

RIGHT OF WAY DATE:
SEPTEMBER 30, 1992

LETTING DATE:
JANUARY 18, 1994

J. D. COCHRAN, P.E.
PROJECT ENGINEER

S. A. DRUM, P.E.
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

Signature: *Robert C. Hagan*
10-25-92
ROADWAY DESIGN

Signature: *S. A. Drum*
12-2-92
DATE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Signature: *DR Martin*
STATE HIGHWAY ENGINEER - DESIGN
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Signature: *Ray C. Shotton*
APPROVED FOR
DIVISION ADMINISTRATION
DATE: 12-2-92

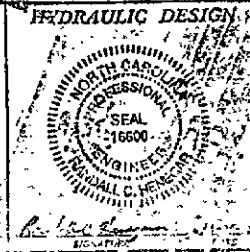
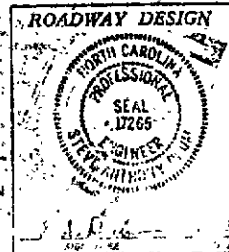
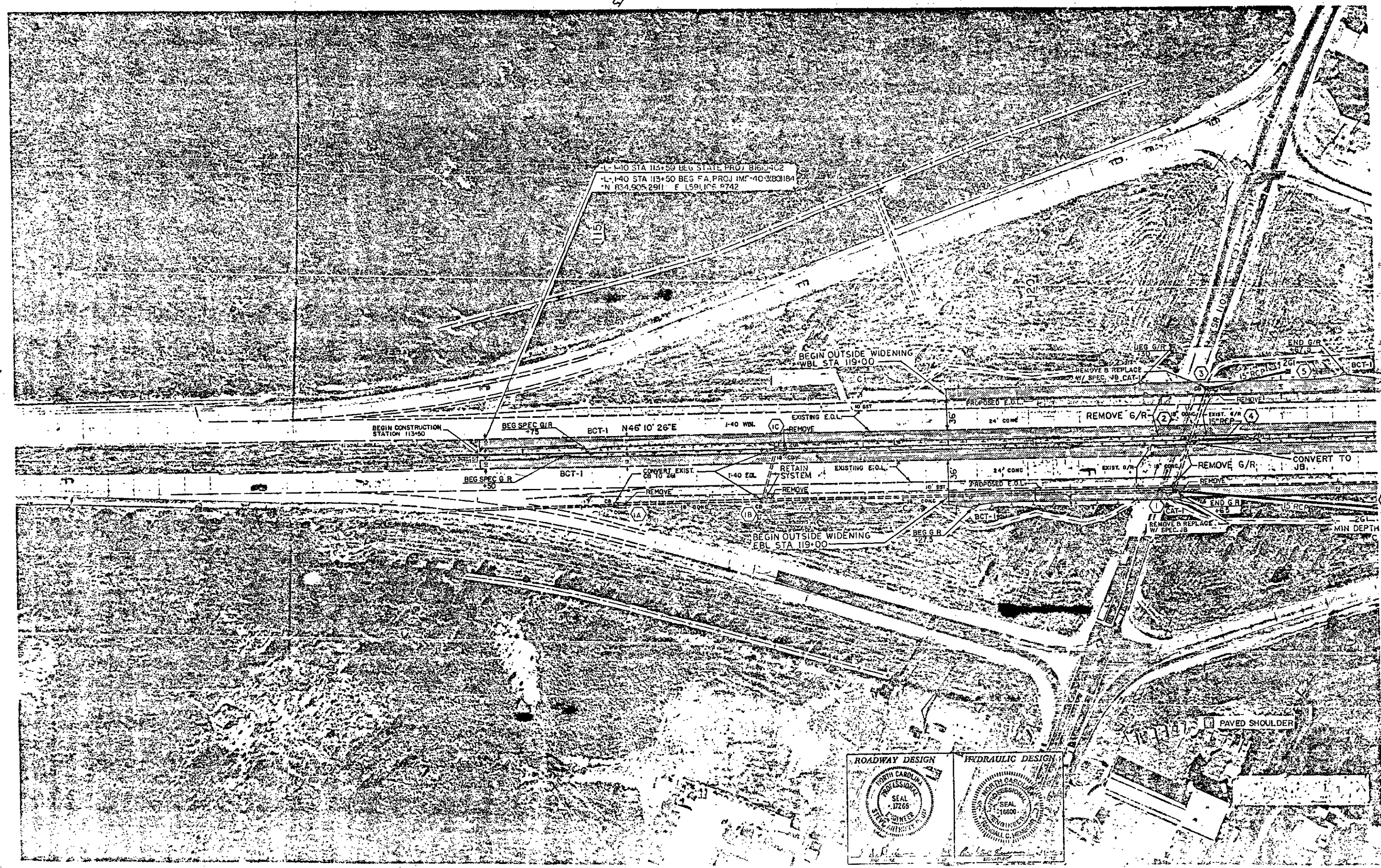
"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
I, *Pauline W. Hight*, do hereby certify that this is a true and correct copy
of the original as filed in the office of the Register of Deeds for Forsyth County, North Carolina, on *February 22, 1994*.

of Plan Sheet *11*
Addendum *11*
19 *94*, Board of the
my hand this the *11th* day of *February*, 19 *94*.

L.E. SPEAS
REGISTER OF DEEDS
FORSYTH CO. N.C. *4500*
Kathy Howell

PRESENTED FOR
REGISTRATION
AND RECORDED
DEPARTMENT OF TRANSPORTATION
Custodian of Minutes of Board of Transportation
Pauline W. Hight
FEB 22 AM 1:50

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1610402	4	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION



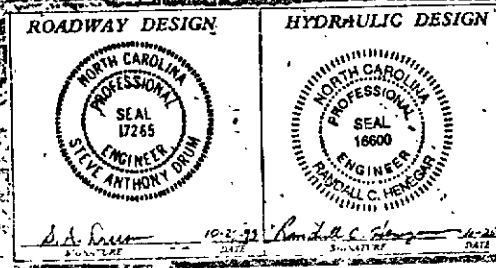
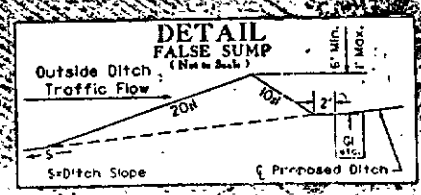
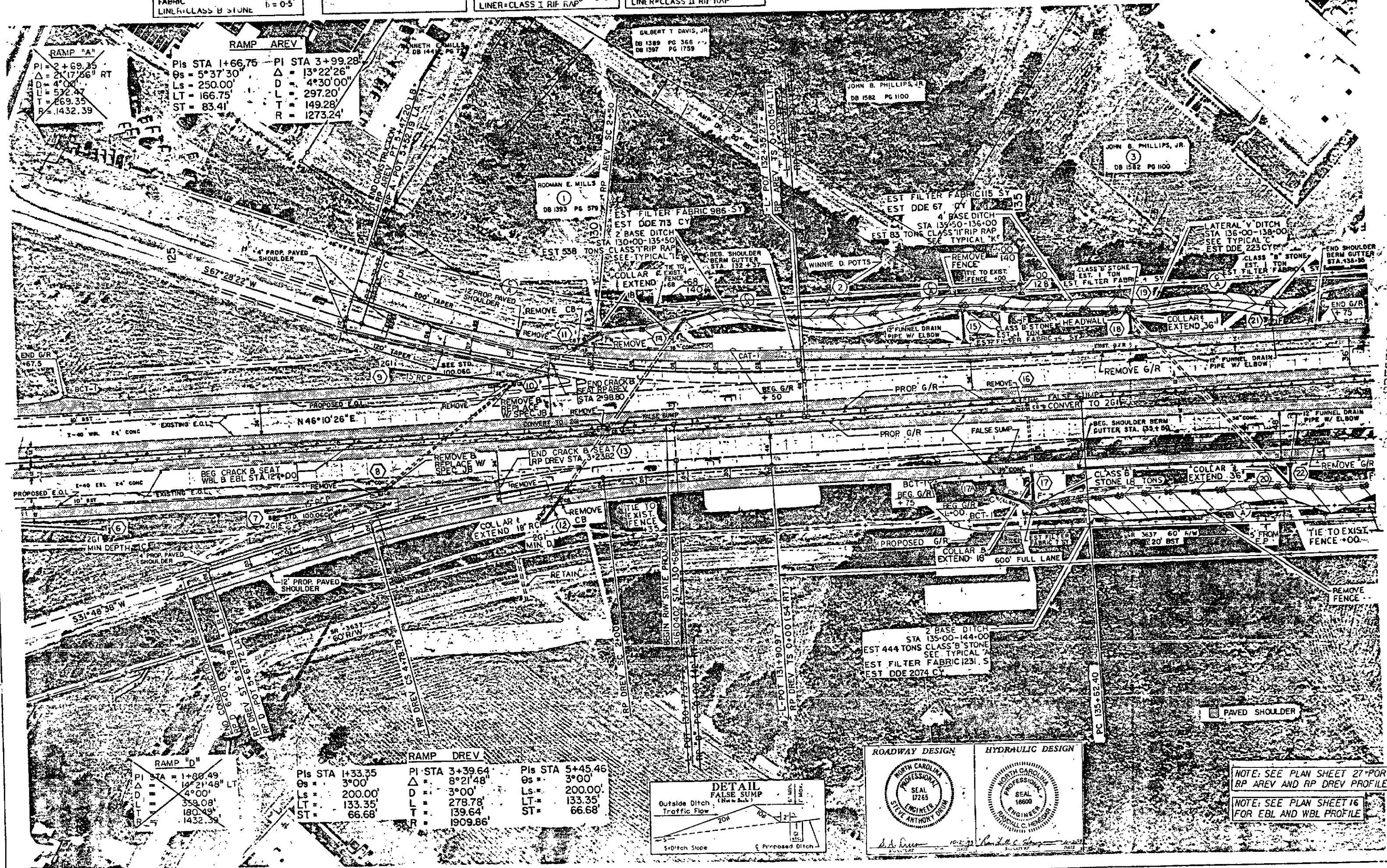
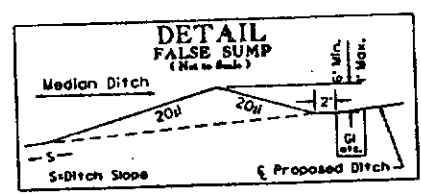
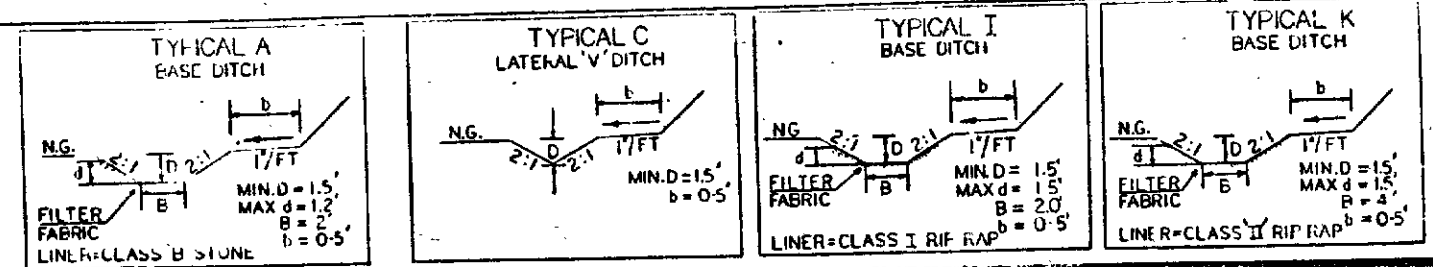
PRESENTED FOR
REGISTRATION
AND RECORDED

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
I, *Pauline May Jr.*, do hereby certify that this is a true and correct copy of Plan Sheet 4 of the final plans for Project 8.1610402, identified as Interchange and widening of I-40 from station 113+00 to station 119+00, including the removal and replacement of the existing bridge over the I-40 right-of-way.
I, *Pauline May Jr.*, Secretary of the Board of Deeds of Wake County, North Carolina, do hereby certify that I have held the said office since February, 1994, and my term of office expires on February, 1994.
My hand this 14 day of February, 1994.
\$300
Pauline May Jr.
Secretary of the Board of Deeds
Wake County, North Carolina

94 FEB 22 AM DEPARTMENT OF TRANSPORTATION
Pauline May Jr.
Custodian of Minutes of Board of Transportation

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1610402	5	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

-L-
PI=138+31.21
Δ=01° 20' 38.4" RT.
D=00° 15' 00"
T=268.81
L=537.60
R=22918.312



NOTE: SEE PLAN SHEET 27 FOR RP AREV AND RP DREV PROFILE
NOTE: SEE PLAN SHEET 16 FOR EBL AND WBL PROFILE

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
I, *Pauline Wright*, do hereby certify that this is a true and correct copy of the final plans for Project 8.1610402, identified as *SP-4*, to be located on file in my office of the *County of Wake*, North Carolina, on this *14* day of *February*, 19 *94*.
I have read the plans and find them correct, and I have read the minutes of the Board of Transportation for the *14* day of *February*, 19 *94*.
my hand this the *14* day of *February*, 19 *94*.
\$ 5.00
Kathy Dravler

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

94 FEB 22 AM 1:50

520

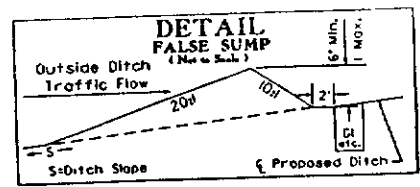
PLAN REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1610402	6	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

ROADWAY DESIGN

D.H. Quinn
10/26/93

HYDRAULIC DESIGN

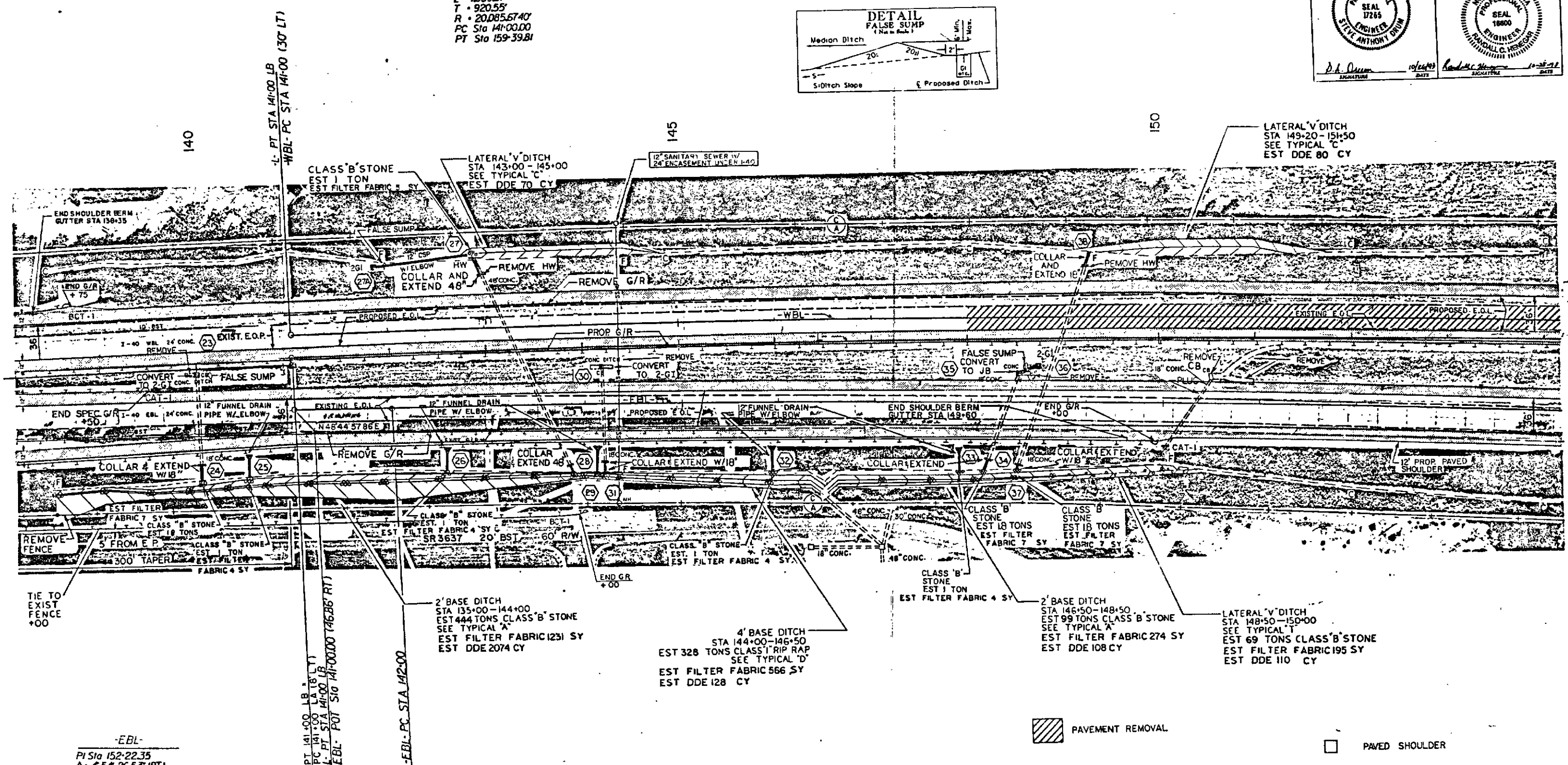
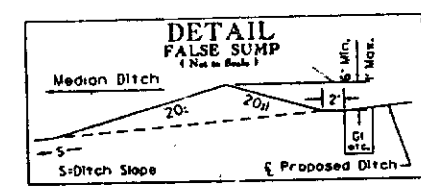
R. J. Quinn
10/26/93



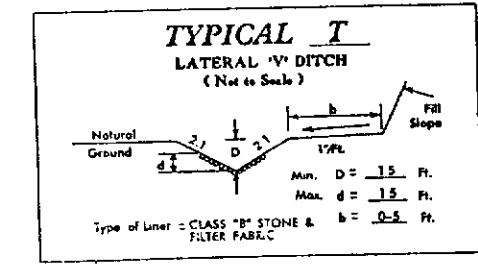
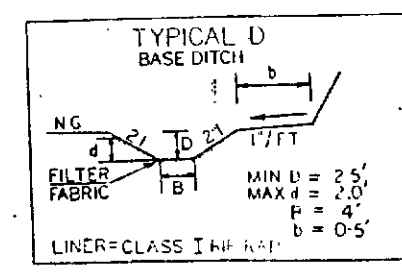
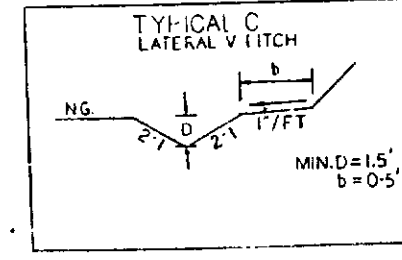
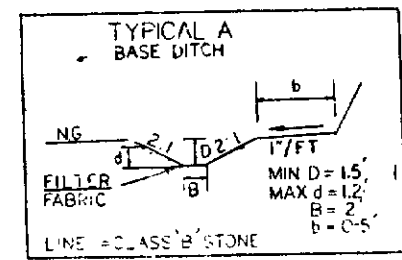
-L-
PI = 138+31.21
 $\Delta = 01^\circ 20' 38.4''$ RT.
D = 00' 15' 00"
T = 268.81
L = 537.60
R = 22918.312

-WBL-
PI Sta 150+20.55
 $\Delta = 5^\circ 14' 53.44''$ (RT)
D = 0' 17' 06.93"
L = 1839.87
T = 920.55
R = 20085.6740
PC Sta 141+00.00
PT Sta 159+39.81

-L-
PI = 153+29.38
 $\Delta = 06^\circ 08' 20''$ RT.
D = 00' 14' 59.7"
T = 1229.38
L = 2456.41
R = 22926.312



-EBL-
PI Sta 152+22.35
 $\Delta = 4^\circ 54' 26.53''$ (RT)
D = 0' 14' 24.54"
L = 2043.45
T = 1022.35
R = 23858.2391
PC Sta 142+00.00
PT Sta 162+43.46



NOTE: SEE PLAN SHEET 17
FOR EBL AND WBL PROFILE

PRESENTED FOR
REGISTRATION
AND RECORD
DEPARTMENT OF TRANSPORTATION
COUNTY OF WAKE
8.1610402
19 94
my hand this 14 day of February 19 94
LE. SPEAS
REGISTER OF DEEDS #500

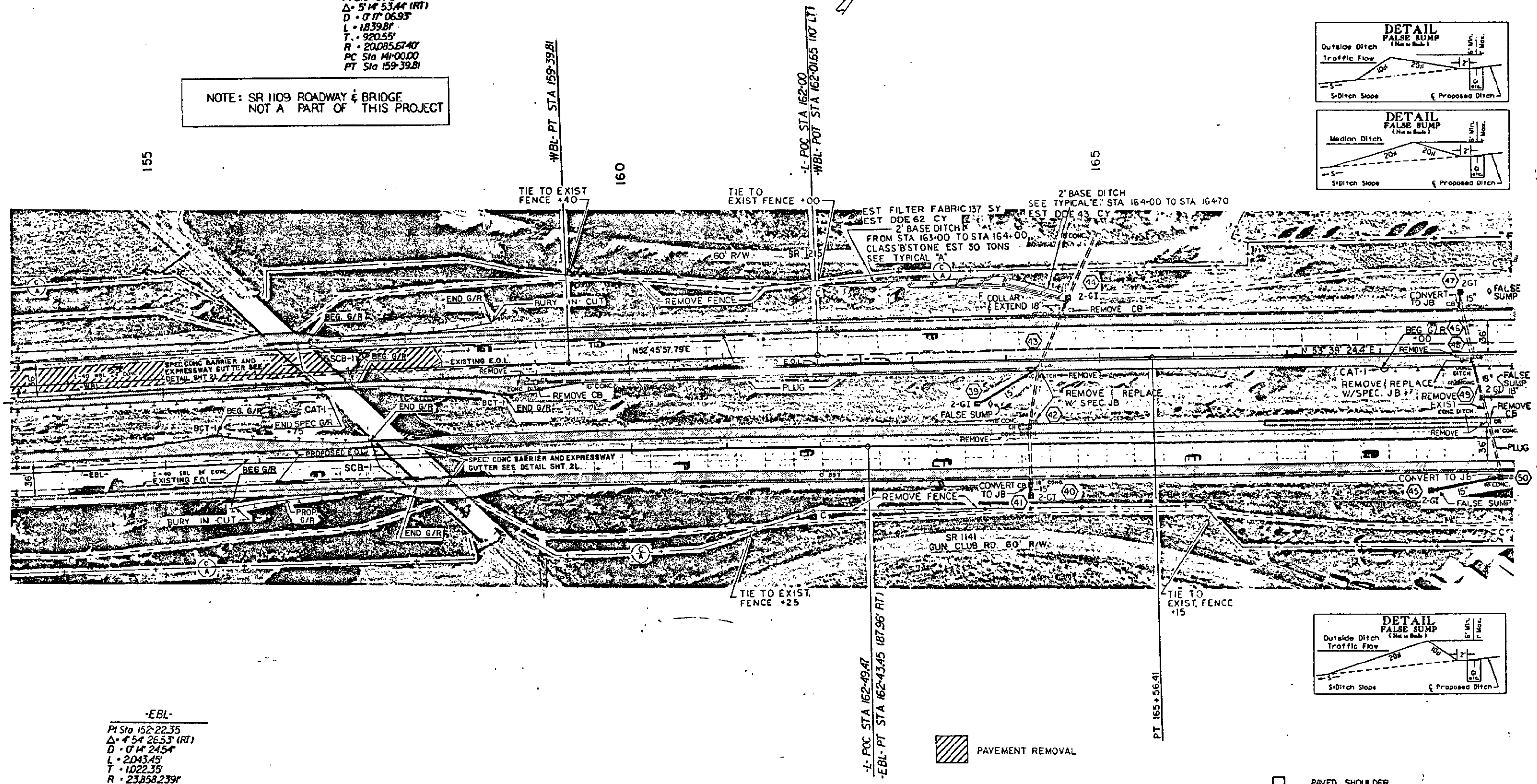
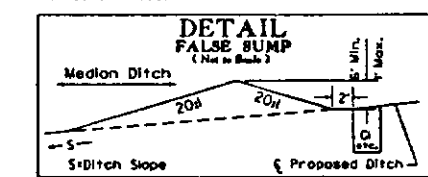
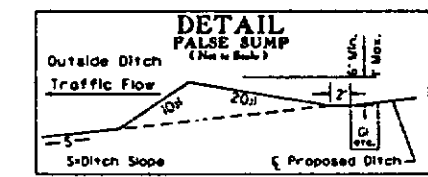
521

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
B.1610402	7	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

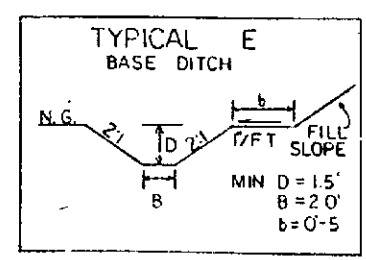
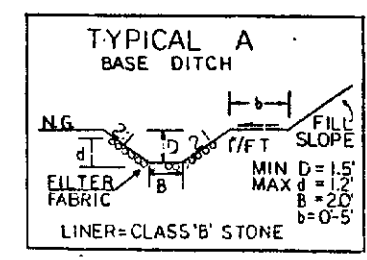
-L-
PI = 153+29.38
Δ = 06° 08' 20" RT.
D = 00° 14' 59.7"
T = 1229.38
L = 2456.41
R = 22926.312

-WBL-
PI Sta 150+20.55
Δ = 5° 14' 53.44" (RT)
D = 0° 17' 06.93"
T = 1839.81
L = 920.55
R = 20085.6740
PC Sta 141+00.00
PT Sta 159+39.81

NOTE: SR 1109 ROADWAY & BRIDGE
NOT A PART OF THIS PROJECT

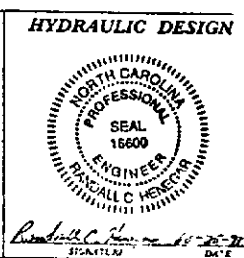


-EBL-
PI Sta 152+22.35
Δ = 4° 54' 25.53" (RT)
D = 0° 14' 24.54"
T = 2043.45
L = 1022.35
R = 23858.2391
PC Sta 142+00.00
PT Sta 162+43.45



PAVEMENT REMOVAL

PAVED SHOULDER



NOTE: SEE PLAN SHEET 18
FOR EBL AND WBL PROFILE

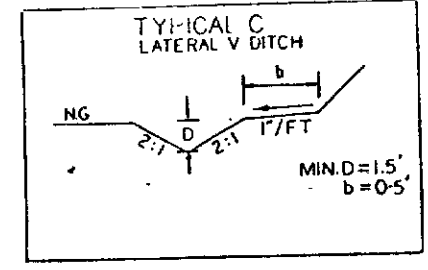
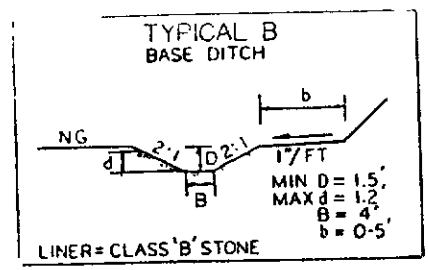
PRESENTED FOR
REGISTRATION
AND RECORDED

STATE OF NORTH CAROLINA - COUNTY OF WAKE
I, Pauline Wray, do hereby certify that this is a true and correct copy
of the plans for Project SR 1109 identified as SR 1109
dated 11/94 and that I have read the same and find them to be correct.
My hand this 14 day of February 1994.

94 FEB 22 11 31 AM
Pauline Wray
Custodian of Minutes of Board of Transportation
REGISTER OF DEEDS
FORSYTH CO. N.C.
Kathy Freeman

523

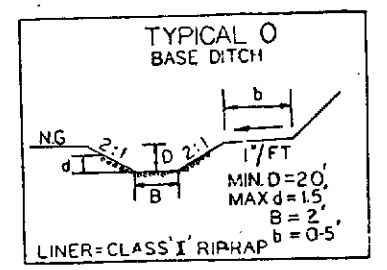
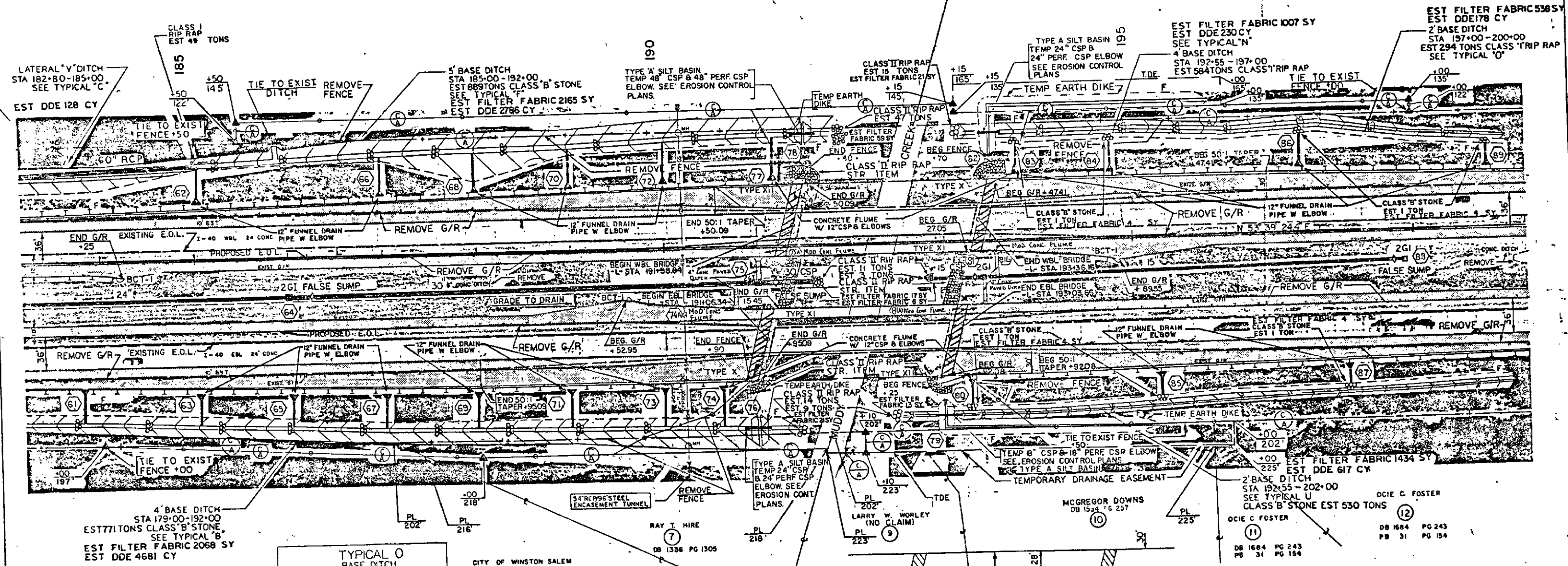
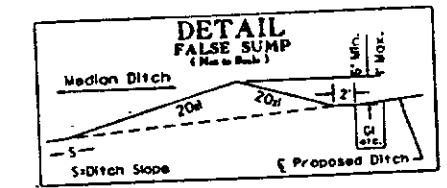
PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1610402	9	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION



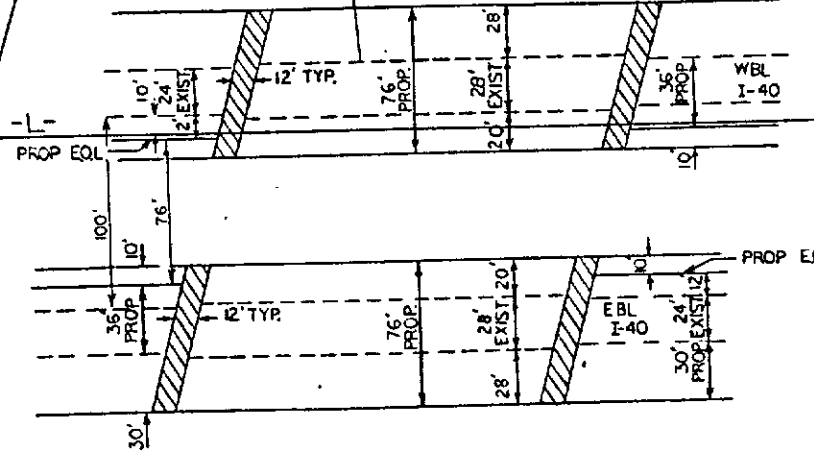
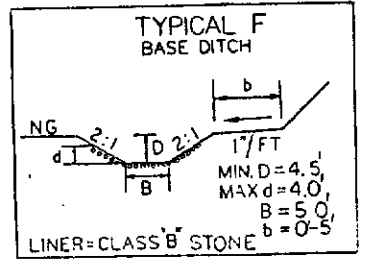
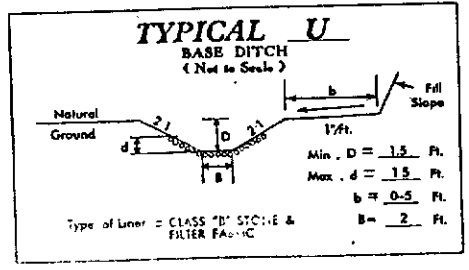
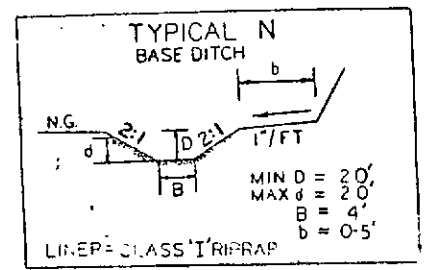
K PARTNERSHIP
DB 1731 PG 1796

NOTE FOR STRUCTURE PLANS
SEE SHEETS S1 - S74

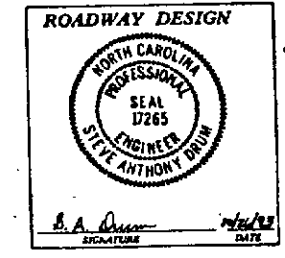
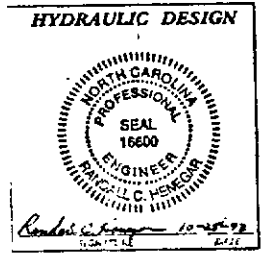
WILSON SPARKS
DB 1554 PG 259



CITY OF WINSTON SALEM
DB 1023 PG 300



SKETCH SHOWING EBL & WBL BRIDGES
AND APPROACHES ON I-40 OVER
ML DY CREEK



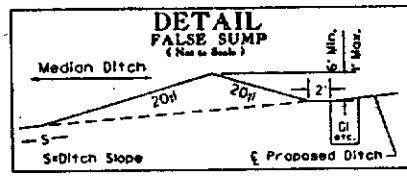
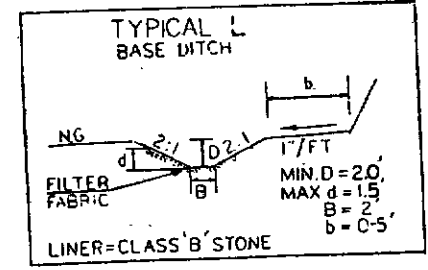
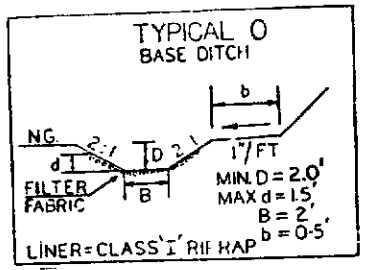
NOTE: SEE PLAN SHEET 20
FOR EBL AND WBL PROFILE

PRESENTED FOR
DEPARTMENT OF TRANSPORTATION
REGISTERED
CORP. OF NORTH CAROLINA
identified as
Custodian of Minutes of Board of Transportation

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
I, Pauline A. Hargrett, do hereby certify that this is a true and correct copy of the final plans for Project 8.1610402 identified as
Addendum 11 to the plans on file in my office on the 14 day of February, 1994.
I am a duly qualified and licensed Professional Engineer in the State of North Carolina, and I have hereunto set my hand and seal this 14 day of February, 1994.

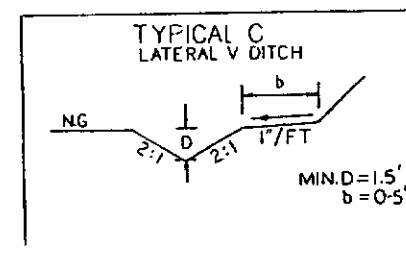
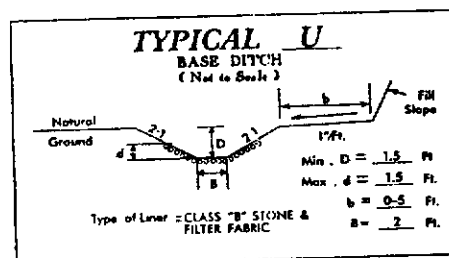
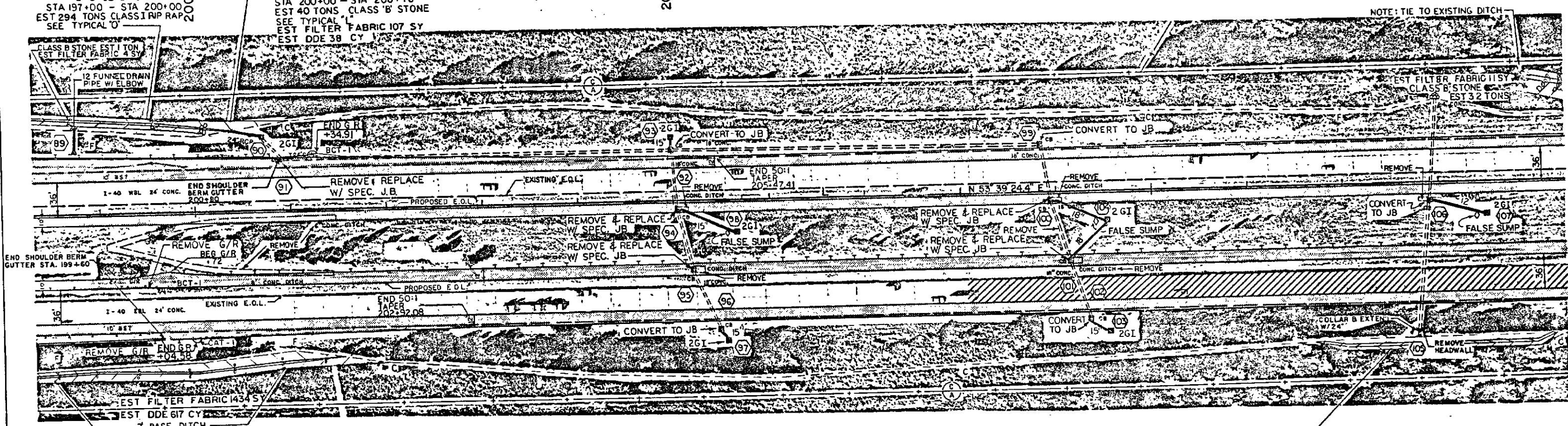
L.E. SPEARS #50
REGISTER OF DEEDS
FARMVILLE, NC

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1610402	10	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION



EST FILTER FABRIC 538 SY
EST DDE 178 CY
2' BASE DITCH
STA 197+00 - STA 200+00
EST 294 TONS CLASS 'B' STONE
SEE TYPICAL O

2' BASE DITCH
STA 200+00 - STA 200+70
EST 40 TONS CLASS 'B' STONE
SEE TYPICAL L
EST FILTER FABRIC 107 SY
EST DDE 38 CY



PAVEMENT REMOVAL

PAVED SHOULDER

ROADWAY DESIGN

Anthony L. Lugin

HYDRAULIC DESIGN

Anthony L. Lugin

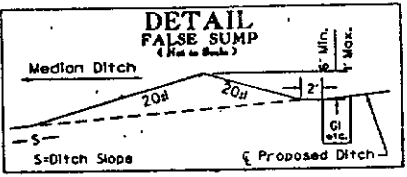
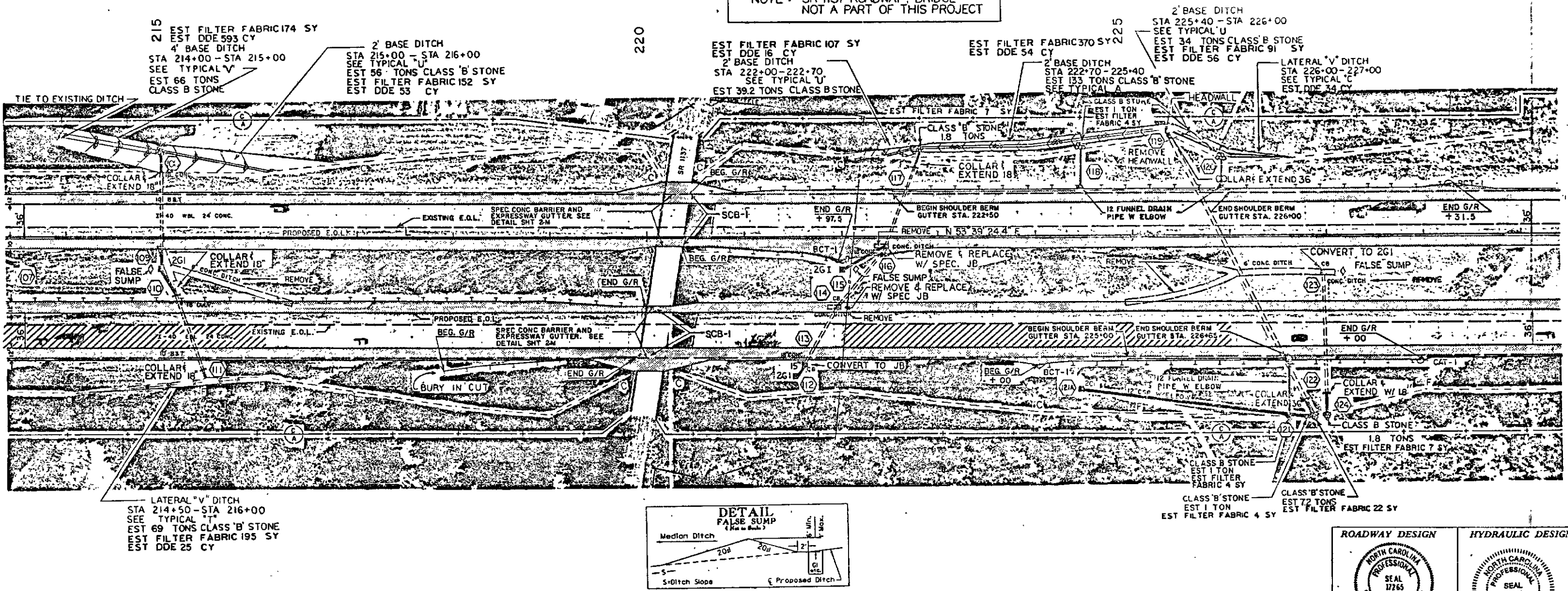
NOTE: SEE PLAN SHEET 21 FOR EBL AND WBL PROFILE

PRESENTED FOR
 REGISTRATION
 AND RECORDED
 "STATE OF NORTH CAROLINA - COUNTY OF WAKE"
 do hereby certify that this is a true and correct copy
 of the final plans for Project 8.1610402, identified as
 "WAKE COUNTY - COUNTY OF WAKE - PROJECT 8.1610402"
 19 94, Book of Plans 100, Sheet 10 of 10, and I have hereunto
 my hand this 14 day of February 1994.
 L.E. SPEAS
 REGISTER OF DEEDS
 FORSYTH COUNTY, N.C.

525

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1610402	II	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

NOTE: SR 1137 ROADWAY & BRIDGE
NOT A PART OF THIS PROJECT



PAVEMENT REMOVAL

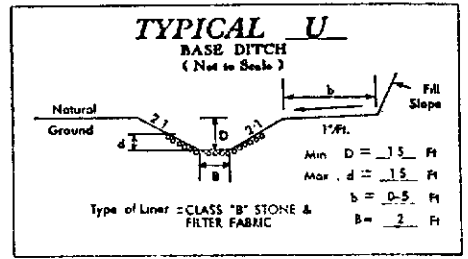
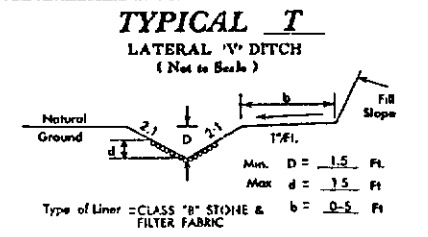
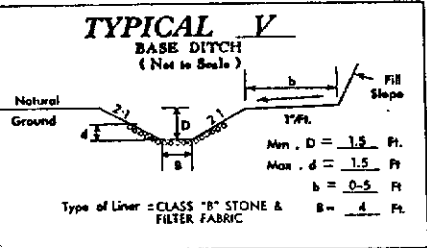
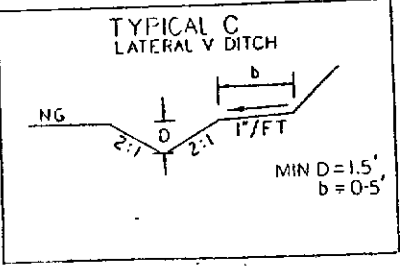
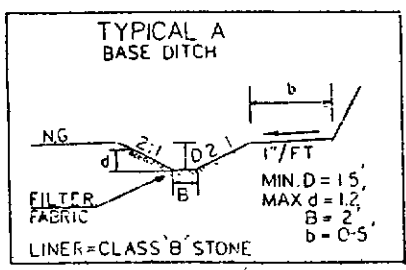
ROADWAY DESIGN

Steve A. Quinn
10/26/93

HYDRAULIC DESIGN

Randall C. Henson
10/26/93

PAVED SHOULDER



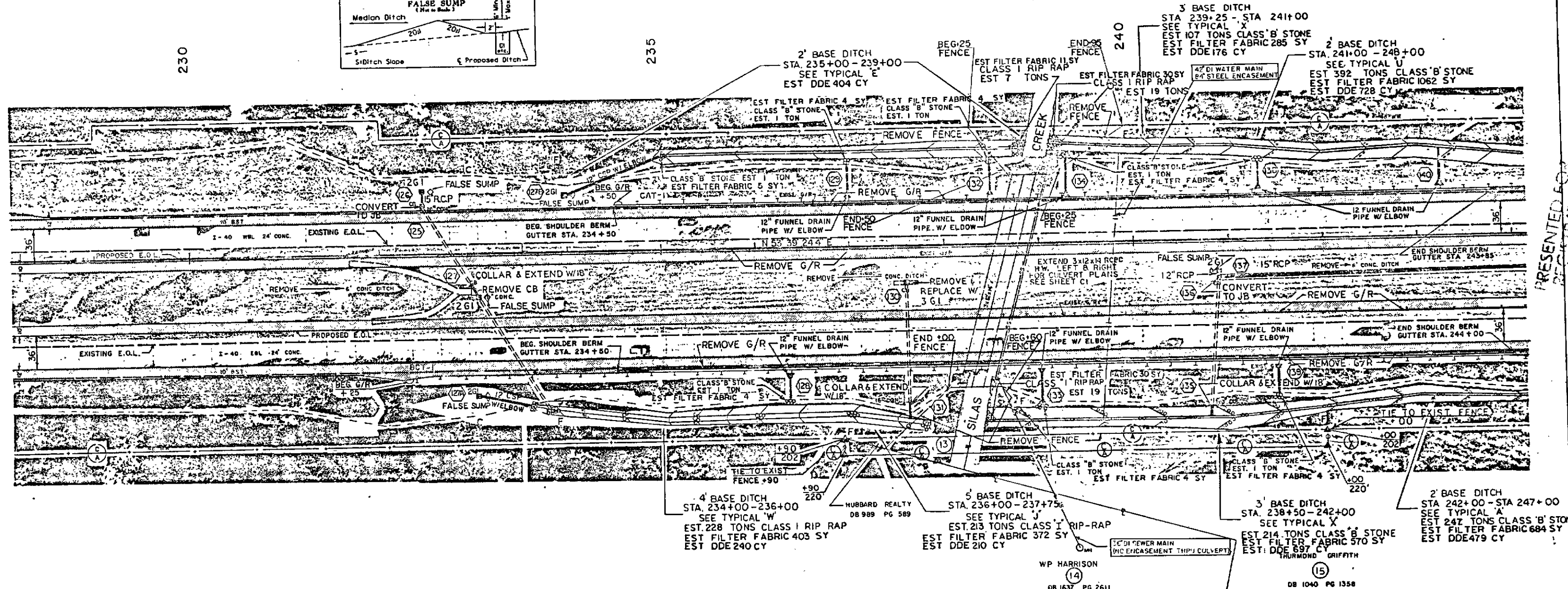
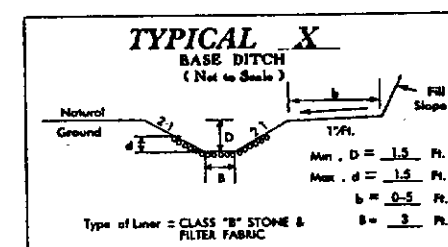
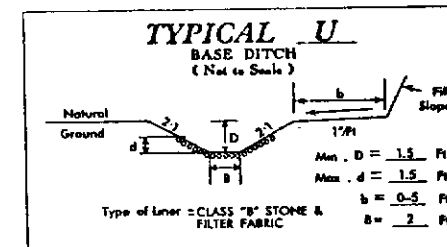
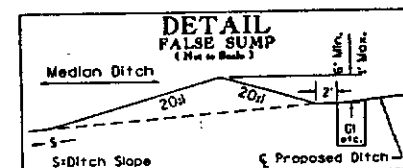
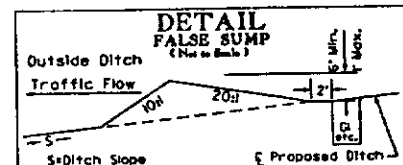
NOTE: SEE PLAN SHEET 22
FOR EBL AND WBL PROFILE

PRESENTED FOR
REGISTRATION
AND RECORD
DEPARTMENT OF TRANSPORTATION
identified as
8.1610402
of the 4 day of February 1994
my hand this the 14 day of February 1994.

L.E. SPEAS
REGISTER OF DEEDS
FORSYTH CO. N.C.
#556 Ray Brannen

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
B.1610402	12	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

526



PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1610402	13	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

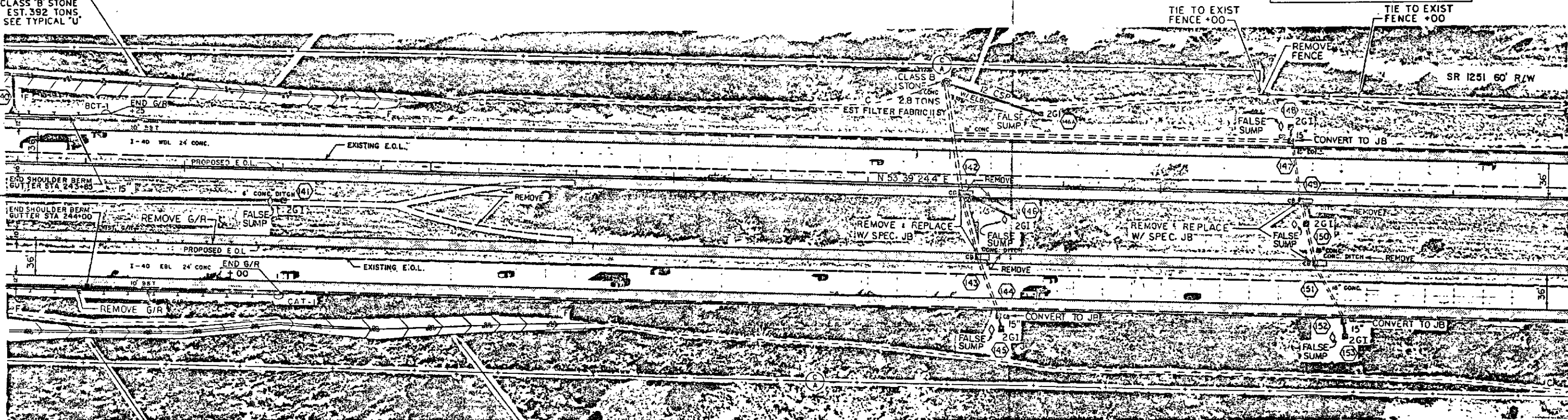
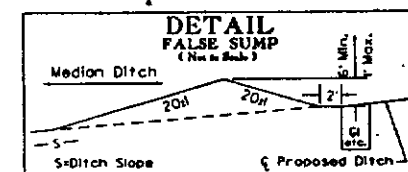
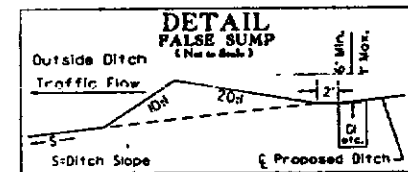
527

EST FILTER FABRIC 1062 SY
EST DDE 728 CY
2' BASE DITCH
STA 241+00-248+00
CLASS 'B' STONE
EST 392 TONS
SEE TYPICAL 'U'

245

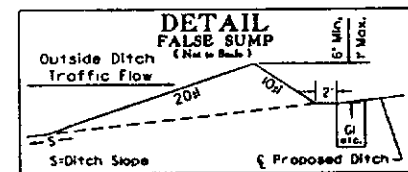
250

255

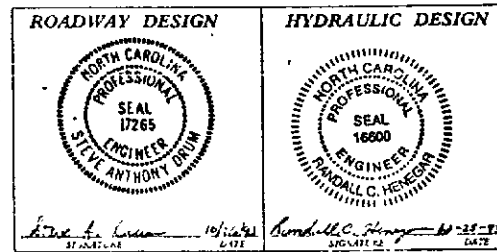
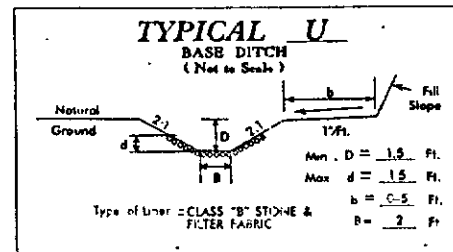
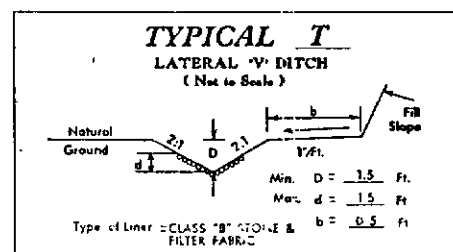
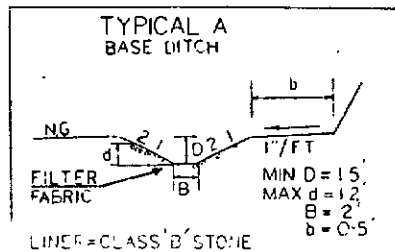


2' BASE DITCH
STA 242+00-247+00
EST 247 TONS CLASS 'B' STONE
SEE TYPICAL 'A'
EST FILTER FABRIC 684 SY
EST DDE 479 CY

LATERAL 'V' DITCH
STA 247+00-249+00
SEE TYPICAL 'T'
CLASS 'B' STONE
EST 92 TONS
EST FILTER FABRIC 259 SY
EST DDE 290 CY



PAVED SHOULDER



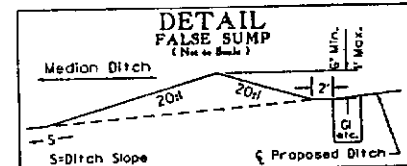
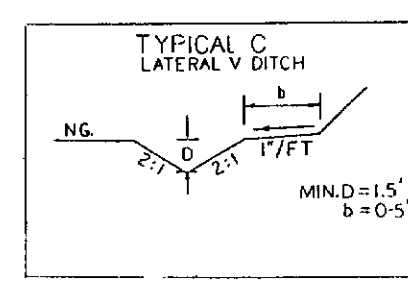
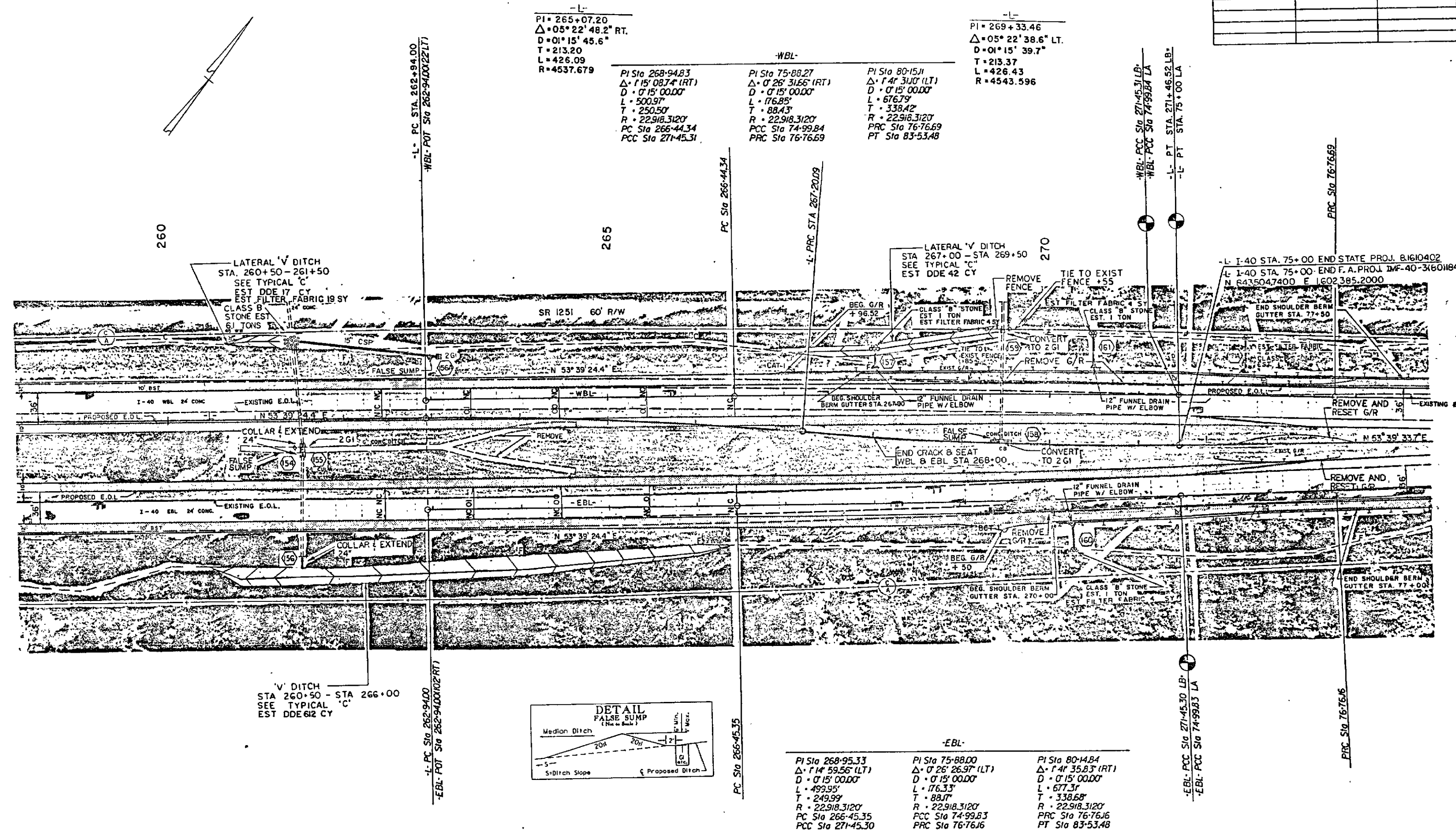
NOTE: SEE PLAN SHEET 24
FOR EBL AND WBL PROFILE

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
I, Caroline Wray, do hereby certify that this is a true and correct copy
of the final plans for Project 8.1610402, identified as RESEARCH
of Plan Sheet 13 to the 14 day of February, 1994, in my office at the
Addendum 11 to the 14 day of February, 1994, Board of Transportation
my hand this the 14 day of February, 1994.

'94 FEB 22 AM 1:50
L.E. SPEAS
REGISTERED PROFESSIONAL ENGINEER
#500
Caroline Wray

528

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1610402	14	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION



PI Sta 268-95.33 Δ = 1° 14' 59.56" (LT) D = 0' 15' 00.00" L = 493.95' T = 249.99' R = 22,918.3120' PC Sta 266-45.35 PCC Sta 271-45.30	PI Sta 75-88.00 Δ = 0° 26' 26.97" (LT) D = 0' 15' 00.00" L = 176.33' T = 88.17' R = 22,918.3120' PCC Sta 74-99.83 PRC Sta 76-76.6	PI Sta 80-14.84 Δ = 1° 41' 35.83" (RT) D = 0' 15' 00.00" L = 677.31' T = 338.68' R = 22,918.3120' PRC Sta 76-76.6 PT Sta 83-53.48
--	--	--

ROADWAY DESIGN

State Anthony Drum

HYDRAULIC DESIGN

State Anthony Drum

PAVED SHOULDER

NOTE: SEE PLAN SHEET 25
FOR EBL AND WBL PROFILE

PRESENTED FOR
REGISTRATION
AND RECORD

DEPARTMENT OF TRANSPORTATION

STATE OF NORTH CAROLINA - COUNTY OF WAKE

do hereby certify that this is a true and correct copy
of the final plans for Project 8.1610402 identified as FEB 22, 1994

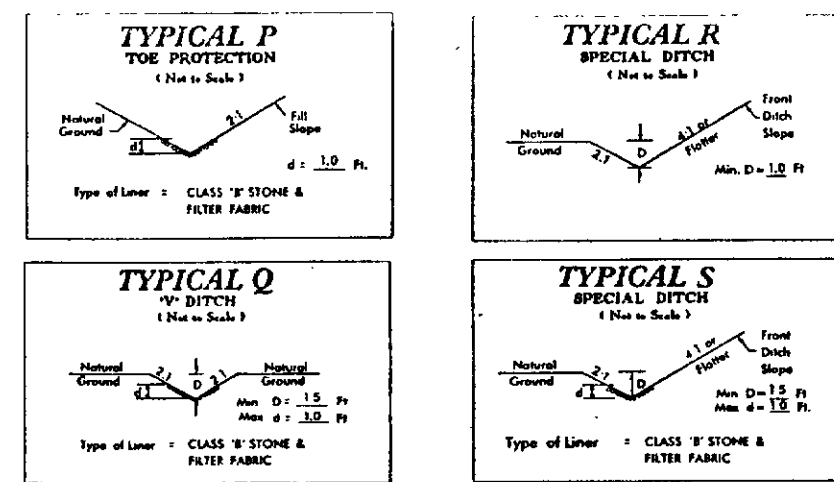
to the minutes on file in my office of the 4 day of February

Board of Transportation WHEREOF, I have hereunto set
my hand this 14 day of February 1994.

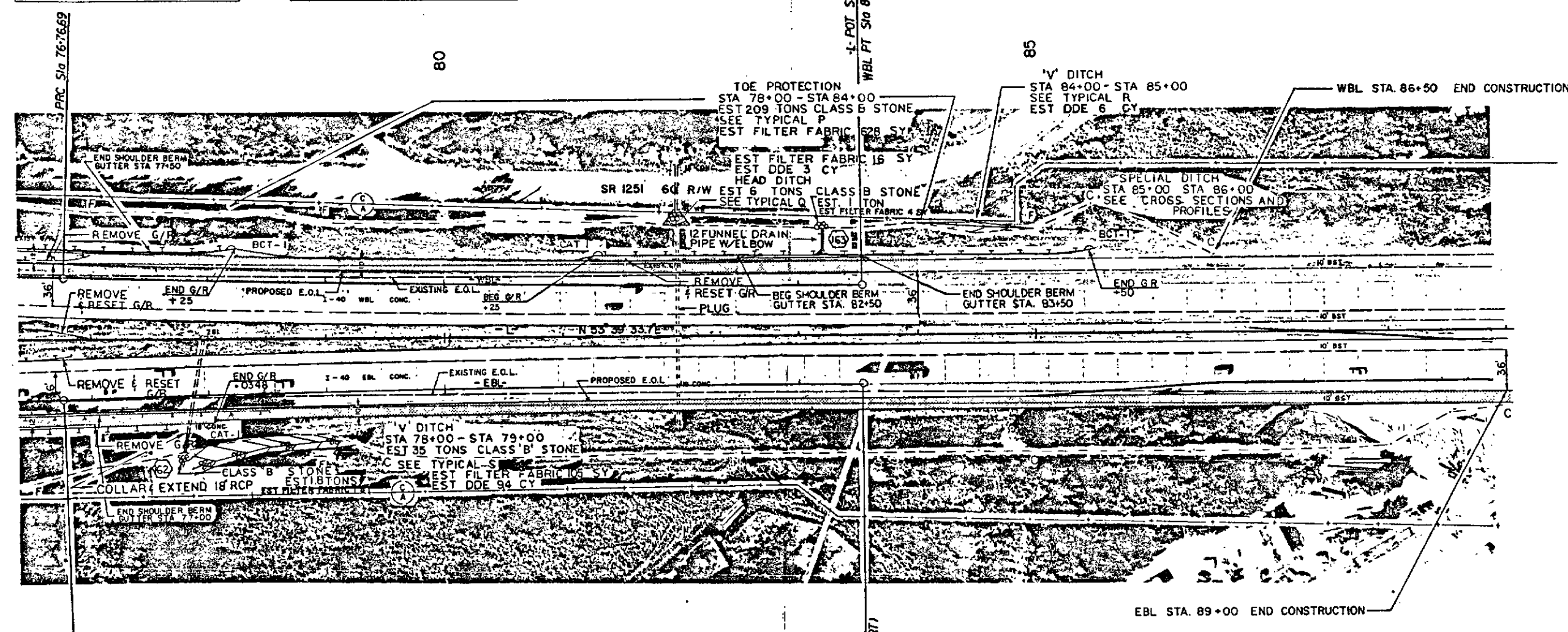
L.E. SPEAS
REGISTER OF DEEDS
FORSYTH CO. N.C.
#50 kachy@ncc.com

529

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1610402	15	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION



WBL	EBL	PT
PI Sta 268-94.83 Δ = 1' 15" 06.74' (RT) D = 0' 15" 00.00' L = 500.97' T = 250.50' R = 22,918.3120' PC Sta 266-44.34 PCC Sta 271-45.31	PI Sta 75-88.27 Δ = 0' 26' 31.65' (RT) D = 0' 15" 00.00' L = 176.85' T = 88.43' R = 22,918.3120' PCC Sta 74-99.84 PT Sta 76-76.69	PI Sta 80-15.11 Δ = 1' 41' 31.07' (LT) D = 0' 15" 00.00' L = 676.79' T = 338.42' R = 22,918.3120' PCC Sta 76-76.69 PT Sta 83-53.48



EBL	EBL	PT
PI Sta 268-95.33 Δ = 1' 14' 59.56' (LT) D = 0' 15" 00.00' L = 499.95' T = 249.99' R = 22,918.3120' PC Sta 266-45.35 PCC Sta 271-45.30	PI Sta 75-88.00 Δ = 0' 26' 26.97' (LT) D = 0' 15" 00.00' L = 176.33' T = 88.17' R = 22,918.3120' PCC Sta 74-99.83 PT Sta 76-76.69	PI Sta 80-14.84 Δ = 1' 41' 35.83' (RT) D = 0' 15" 00.00' L = 677.31' T = 338.68' R = 22,918.3120' PCC Sta 76-76.69 PT Sta 83-53.48

ROADWAY DESIGN

HYDRAULIC DESIGN

PAVED SHOULDER

NOTE: SEE PLAN SHEET 26 FOR EBL AND WBL PROFILE

PRESENTED FOR
REGISTRATION
AND RECORDED

STATE OF NORTH CAROLINA - COUNTY OF WAKE

"I, *Randall C. Herring*, do hereby certify that this is a true and correct copy of the final plans for Project 8.1610402, as shown to the minutes on file in the office of the Board of Transportation, on the 14 day of February, 1994, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this 14 day of February, 1994.

REGISTER OF DEEDS
FORSYTH CO. N.C.
Wendy Brumfield

DEPARTMENT OF TRANSPORTATION
Randall C. Herring
Custodian of Minutes of Board