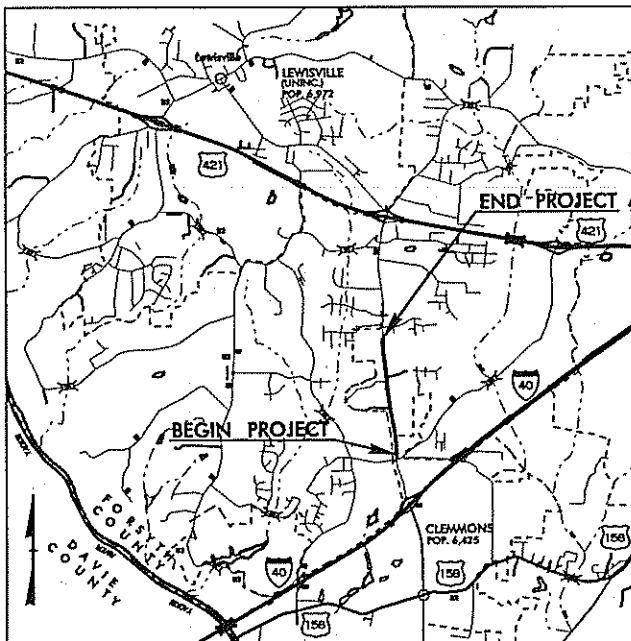


09/09/99

TIP PROJECT U-3119A

CONTRACT: C201684

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



VICINITY MAP

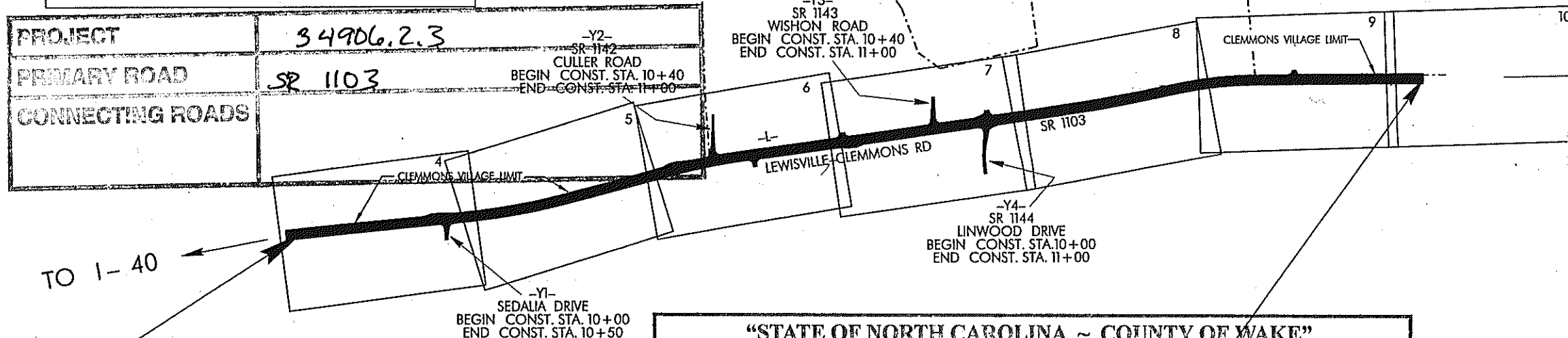
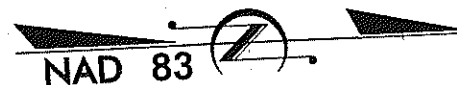
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

FORSYTH COUNTY

LOCATION: WINSTON-SALEM SR 1103 (LEWISVILLE-
CLEMMONS RD.) FROM SR 1891 (PEACE
HAVEN RD.) TO SR 3580 (FOREST OAKS DR.)
TYPE OF WORK: DRAINAGE, GRADING, PAVING,
WIDENING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-3119A	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34906.1.1	STP-1103(6)	P.E.	
34906.2.3	STP-1103(18)	R / W	
34906.3.4	STP-1103(18)	CONST.	

ALL DIMENSIONS IN
THESE PLANS ARE IN METERS
AND/OR MILLIMETERS
UNLESS OTHERWISE SHOWN



TO US 421

TO I-40

BEGIN T.I.P. PROJECT U-3119A -L- STA 9+60.000

"STATE OF NORTH CAROLINA ~ COUNTY OF WAKE"
As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 1 of the final plans for Project 34906.2.3 END T.I.P. PROJECT U-3119A -L- STA 32+00.000 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 12 to the minutes of the 6th day of March, 2008 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 7 day of March, 2008
Ammy Danning
Secretary to Board of Transportation

2008012781 0
FORSYTH CO, NC FEE \$61.00
PRESENTED & RECORDED
03-13-2008 12:03 PM
KAREN GORDON
REGISTER OF DEEDS
BY: E NAVARRO
DPTY
BK: H 2
PG: 41-49

GRAPHIC SCALES



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

DESIGN DATA

ADT 2005 = 19000
ADT 2025 = 33000
DHV = 9 %
D = 60 %
T = 6 % *
V = 80 km/h
* TTST 2 % DUAL 4 %

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U3119A = 2.240 km
TOTAL LENGTH TIP PROJECT U-3119A = 2.240 km

Prepared In the Office of:
DIVISION OF HIGHWAYS
NINTH DIVISION DESIGN/CONSTRUCT OFFICE
375 SILAS CREEK PARKWAY, WINSTON-SALEM, NC 27127
2002 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
OCTOBER 15, 2004

LETTING DATE:
FEBRUARY 13, 2008

Mike Shaffner, PE
DIVISION OPERATION ENGINEER

Diane K. Hampton, PE
DIVISION DESIGN/CONSTRUCT ENGINEER

HYDRAULICS, ENGINEER

ROADWAY DESIGN

J. Bren A. Anthony, P.E., P.L.S.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

at millan
STATE DESIGN ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS



PROJ. REFERENCE NO.
U-3119A

SHEET NO.
1 - B

*S.U.E = SUBSURFACE UTILITY ENGINEER

CONVENTIONAL SYMBOLS

ROADS & RELATED ITEMS

Edge of Pavement	---
Curb	---
Prop. Slope Stakes Cut	-C-
Prop. Slope Stakes Fill	-F-
Prop. Woven Wire Fence	○-○
Prop. Chain Link Fence	□-□
Prop. Barbed Wire Fence	◇-◇
Prop. Wheelchair Ramp	WCR
Exist. Guardrail	---
Prop. Guardrail	---
Equality Symbol	⊕
Pavement Removal	XXXX

RIGHT OF WAY

Baseline Control Point	◆
Existing Right of Way Marker	△
Exist. Right of Way Line wMarker	△
Prop. Right of Way Line with Proposed	---
R/W marker (Iron Pin & Cap)	▲
Prop. Right of Way Line with Proposed	---
(Concrete or Granite) R/W Marker	▲
Exist. Control of Access Line	⊙
Prop. Control of Access Line	⊙
Exist. Easement Line	-E-
Prop. Temp. Construction Easement Line	-E-
Prop. Temp. Drainage Easement Line	-TDE-
Prop. Perm. Drainage Easement Line	-PDE-

HYDROLOGY

Stream or Body of Water	---
Flow Arrow	→
Disappearing Stream	---
Spring	○
Swamp Marsh	✱
Shoreline	---
Falls, Rapids	---
Prop Lateral, Tail, Head Ditches	---

STRUCTURES

MAJOR	
Bridge, Tunnel, or Box Culvert	CONC
Bridge Wing Wall, Head Wall	
and End Wall	CONC WW

MINOR	
Head & End Wall	CONC HW
Pipe Culvert	=====
Footbridge	>-----<
Drainage Boxes	□ CB
Paved Ditch Gutter	---

UTILITIES

Exist. Pole	•
Exist. Power Pole	•
Prop. Power Pole	○
Exist. Telephone Pole	•
Prop. Telephone Pole	○
Exist. Joint Use Pole	•
Prop. Joint Use Pole	○
Telephone Pedestal	⊞
Cable TV Pedestal	⊞
Hydrant	⊙
Satellite Dish	⊙
Exist. Water Valve	⊙
Sewer Clean Out	⊙
Power Manhole	⊙
Telephone Booth	⊙
Water Manhole	⊙
Light Pole	⊙
H-Frame Pole	⊙
Power Line Tower	⊙
Pole with Base	⊙
Gas Valve	⊙
Gas Meter	⊙
Telephone Manhole	⊙
Power Transformer	⊙
Sanitary Sewer Manhole	⊙
Storm Sewer Manhole	⊙
Tank; Water, Gas, Oil	⊙
Water Tank With Legs	⊙
Traffic Signal Junction Box	⊙
Fiber Optic Splice Box	⊙
Television or Radio Tower	⊙
Utility Power Line Connects to Traffic	⊙
Signal Lines Cut Into the Pavement	---

Recorded Water Line	---
Designated Water Line (S.U.E.*)	---
Sanitary Sewer	SS
Recorded Sanitary Sewer Force Main	FSS
Designated Sanitary Sewer Force Main(S.U.E.*)	FSS
Recorded Gas Line	G
Designated Gas Line (S.U.E.*)	G
Storm Sewer	S
Recorded Power Line	P
Designated Power Line (S.U.E.*)	P
Recorded Telephone Cable	T
Designated Telephone Cable (S.U.E.*)	T
Recorded U/G Telephone Conduit	TC
Designated U/G Telephone Conduit (S.U.E.*)	TC
Unknown Utility (S.U.E.*)	---
Recorded Television Cable	TV
Designated Television Cable (S.U.E.*)	TV
Recorded Fiber Optics Cable	FO
Designated Fiber Optics Cable (S.U.E.*)	FO
Exist. Water Meter	⊙
U/G Test Hole (S.U.E.*)	⊙
Abandoned According to UG Record	ATTN
End of Information	E.O.I.

BOUNDARIES & PROPERTIES

State Line	---
County Line	---
Township Line	---
City Line	---
Reservation Line	---
Property Line	---
Property Line Symbol	---
Exist. Iron Pin	⊙
Property Corner	⊙
Property Monument	⊙
Property Number	⊙
Parcel Number	⊙
Fence Line	---
Existing Wetland Boundaries	WLB
Proposed Wetland Boundaries	WLB
Existing Endangered Animal Boundaries	EAB
Existing Endangered Plant Boundaries	EPB

BUILDINGS & OTHER CULTURE

Buildings	---
Foundations	---
Area Outline	---
Gate	---
Gas Pump Vent or UG Tank Cap	---
Church	---
School	---
Park	---
Cemetery	---
Dam	---
Sign	---
Well	---
Small Mine	---
Swimming Pool	---

TOPOGRAPHY

Loose Surface	---
Hard Surface	---
Change in Road Surface	---
Curb	---
Right of Way Symbol	R/W
Guard Post	⊙ GP
Paved Walk	---
Bridge	---
Box Culvert or Tunnel	---
Ferry	---
Culvert	---
Footbridge	---
Trail, Footpath	---
Light House	---

VEGETATION

Single Tree	⊙
Single Shrub	⊙
Hedge	---
Woods Line	---
Orchard	---
Vineyard	VINEYARD

RAILROADS

Standard Gauge	---
RR Signal Milepost	---
Switch	---

revised 2/25/97

METRIG

5 0 10

CONST. REV.

R / W REV.

PROJECT REFERENCE NO.	SHEET NO.
U-3119A	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83 

FIRST CITIZENS BANK
& TRUST CO.
DB 2252-4251

RALPH N. CRAVER
AND WIFE
DELLA M. CRAVER
DB 849-469
DB 1158-1468

RALPH N. CRAVER
AND WIFE
DELLA P. CRAVER
DB 1819-3878

CHARLES D. MCVAY
AND WIFE
ONIE W. MCVAY
DB 1335-385
DB 1849-1403

ILA E. WRIGHTS
DB 2074-2019
DB 1681-2222

EP (42)
LUCILLE WOOD
DB 888-377
City of
Winston-Salem
DB 2432
236-2-3734

-L- POT Sta. 12+76.905
 -YI- POT Sta. 10+00.00

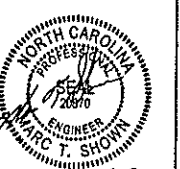
CLEMMONS VILLAGE
PROFESSIONAL CENTER, LLC
DB 1888-811

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
OTHERS FOR MONUMENT "R-2347C-1"
WITH NAD 83 STATE PLANE GRID COORDINATES OF
NORTHING: 237602349(m) EASTING: 484797.57(m)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.999946001
THE N.C. LAMBERT GRID BEARING
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"R-2347C-1" TO "L" STATION 9+60.000 IS
8 ± 0.05 6847.67' W 2.536.879=
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 4 of the final plans for Project 34926.23 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 12 to the minutes of the 6th day of March, 2008 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 7th day of March, 2008

Secretary to Board of Transportation.

FOR -L- PROFILE SEE SHEET 11
FOR -YI- PROFILE SEE SHEET 14

 5 0 10 CONST. REV. R/W REV.	PROJECT REFERENCE NO. U-3119A	SHEET NO. 5
	R/W SHEET NO.	
	ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER 

MATCH LINE -L- STA 13+20 SEE SHEET 4

MATCH LINE -L- STA 16+80 SEE SHEET 6

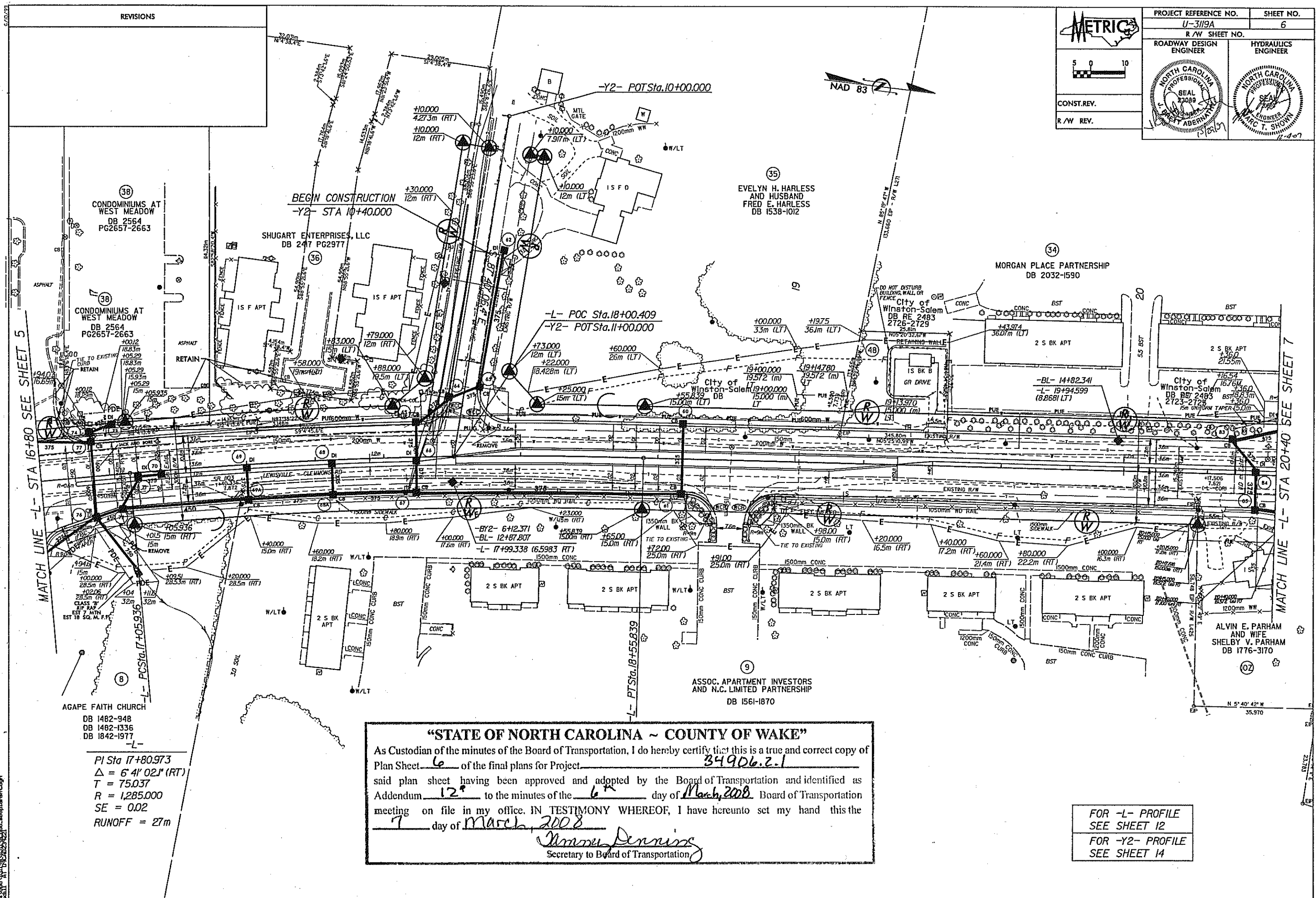
-L-
 PI Sta 14+09.455
 $\Delta = 9' 11'' 39.7''$ (LT)
 $L = 205.404$
 $T = 102.923$
 $R = 1,280.000$
 $SE = 0.02$
 $RUNOFF = 27m$

"STATE OF NORTH CAROLINA ~ COUNTY OF WAKE"

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 5 of the final plans for Project 34906.2.3 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 12 to the minutes of the 6th day of March, 2008. Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 7 day of MARCH, 2008

Norma Dennis
 Secretary to Board of Transportation

FOR -L- PROFILE
 SEE SHEET II



REVISIONS

PROJECT REFERENCE NO. U-3119A		SHEET NO. 6	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
CONST. REV.		R/W REV.	

"STATE OF NORTH CAROLINA ~ COUNTY OF WAKE"

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 6 of the final plans for Project 34906.2.1 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 12 to the minutes of the 6th day of March, 2008 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 7 day of March, 2008

Amber Penning
Secretary to Board of Transportation

FOR -L- PROFILE
SEE SHEET 12
FOR -Y2- PROFILE
SEE SHEET 14

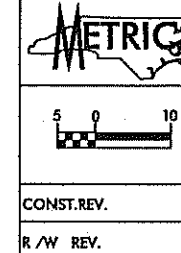
PI Sta 17+80.973
Δ = 6' 4" 02" (RT)
T = 75.037
R = 1,285,000
SE = 0.02
RUNOFF = 27m

REVISIONS

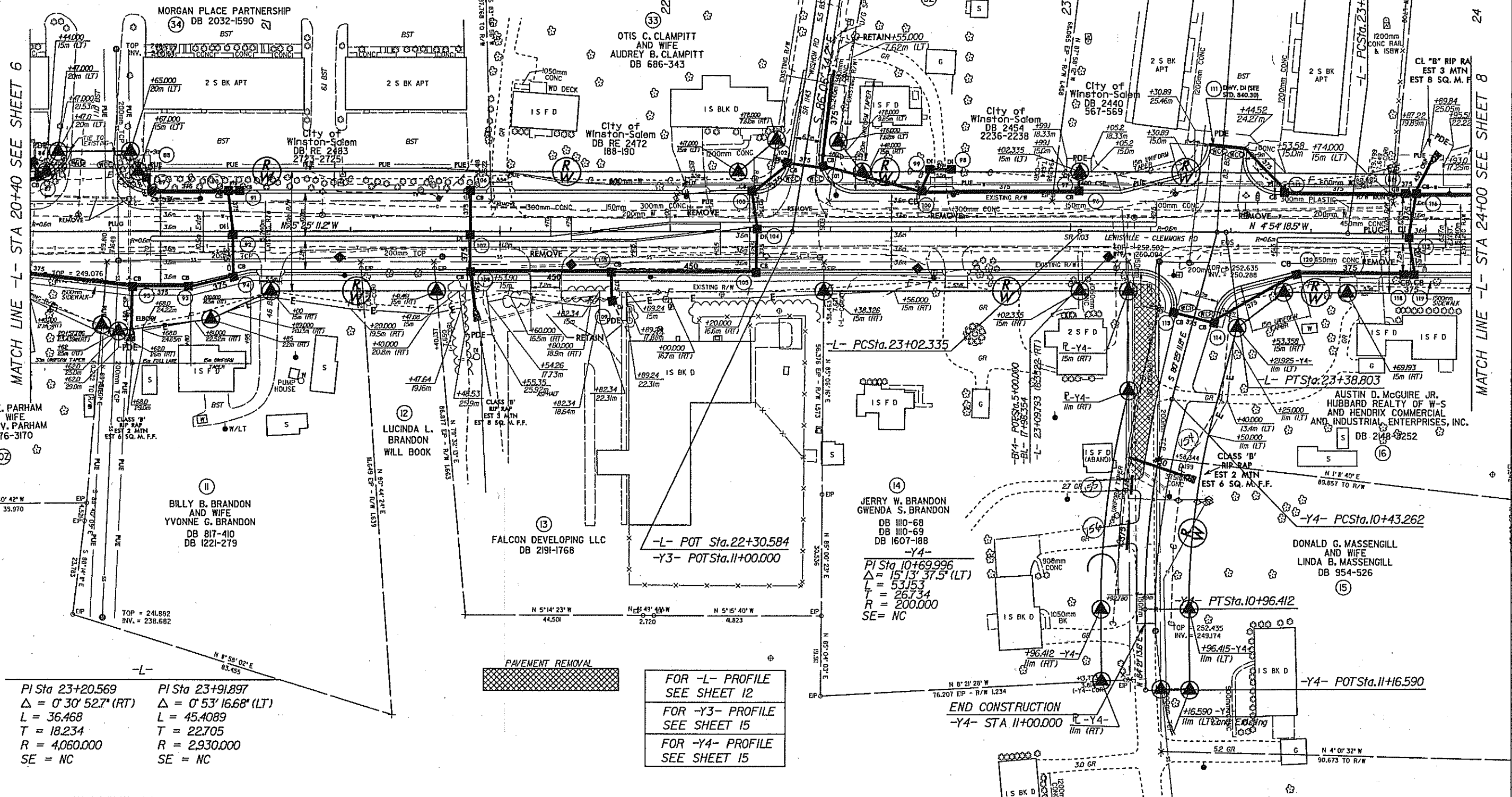
"STATE OF NORTH CAROLINA ~ COUNTY OF WAKE"

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 7 of the final plans for Project 34906.2.3 said plan sheet having been approved and adopted by the Board of Transportation and returned as Addendum 12 to the minutes of the 1st day of March, 2008 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 7 day of March, 2008

James Denning
Secretary to Board of Transportation



PROJECT REFERENCE NO. U-3119A	SHEET NO. 7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R/W REV.	



PI Sta 23+20.569 $\Delta = 0^\circ 30' 52.7''$ (RT) L = 36.468 T = 18.234 R = 4,060.000 SE = NC	PI Sta 23+91.897 $\Delta = 0^\circ 53' 16.68''$ (LT) L = 45.4089 T = 22.705 R = 2,930.000 SE = NC
--	--

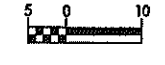
FOR -L- PROFILE
SEE SHEET 12
FOR -Y3- PROFILE
SEE SHEET 15
FOR -Y4- PROFILE
SEE SHEET 15

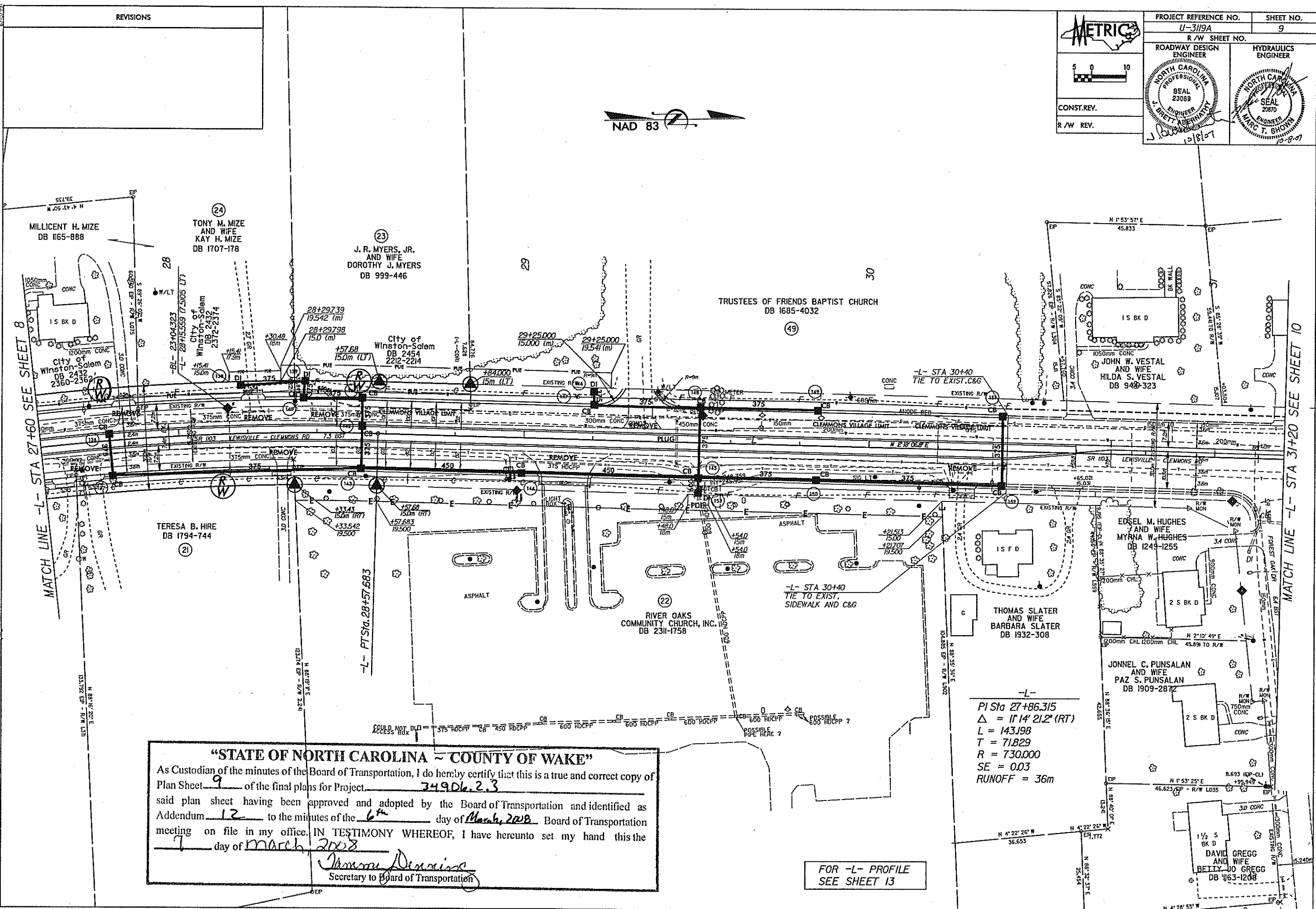
END CONSTRUCTION
-Y4- STA 11+00.000

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 8 of the final plans for Project 34906.2.3 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 12 to the minutes of the 6th day of March, 2008 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 7 day of March, 2008

Secretary to Board of Transportation

FOR -L- PROFILE
SEE SHEET 13

		PROJECT REFERENCE NO. U-3119A	SHEET NO. 9
		ROADWAY DESIGN ENGINEER NORTH CAROLINA SEAL 23089 J. BRETT ABERNATHY	HYDRAULICS ENGINEER NORTH CAROLINA SEAL 20870 T. T. SHOWN
CONST. REV.		R/W REV.	



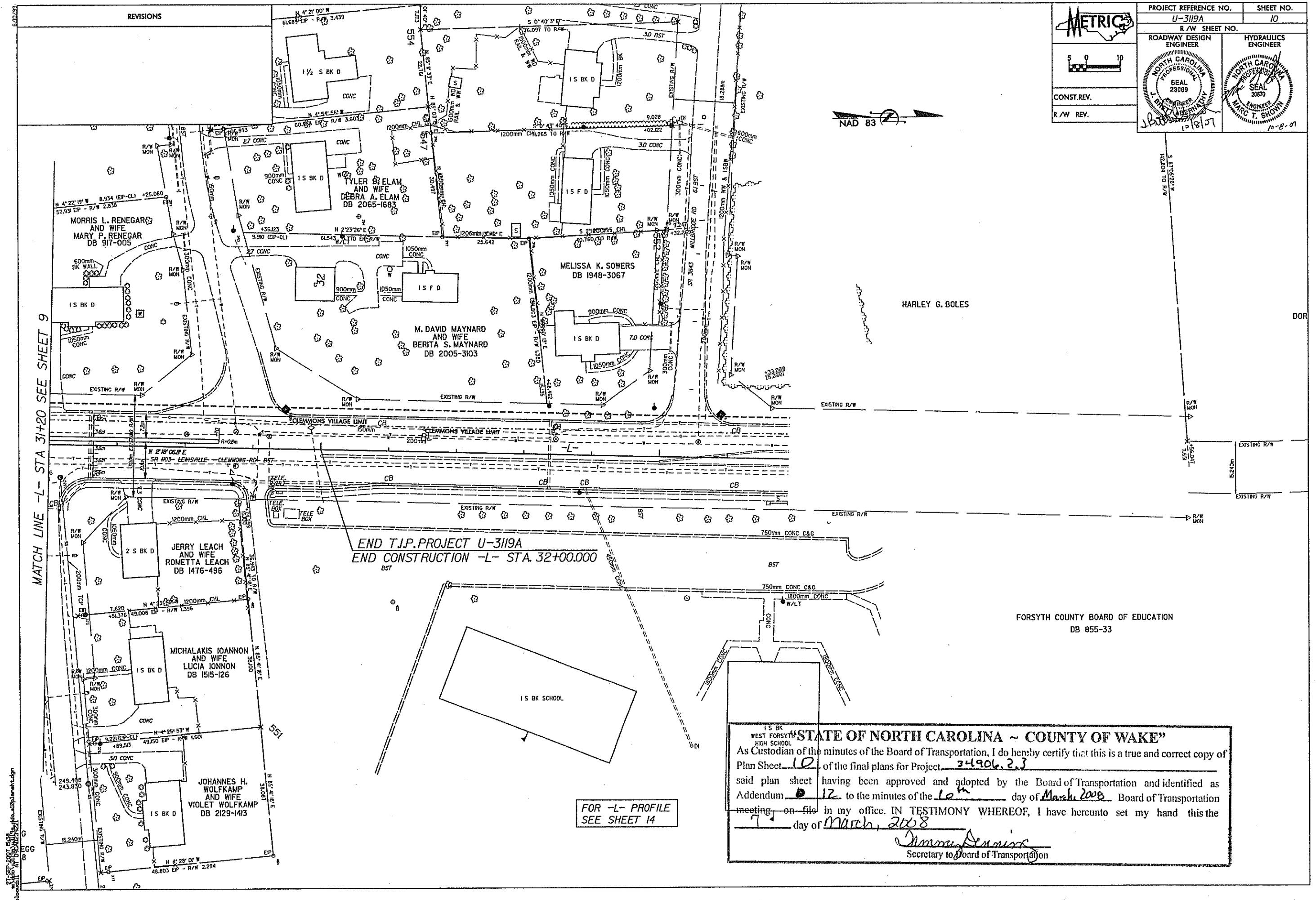
"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 9 of the final plans for Project 34906.2.3 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 12 to the minutes of the 6th day of March, 2008 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 7 day of March, 2008

Thomas Derriso
Secretary to Board of Transportation

FOR -L- PROFILE
SEE SHEET 13

-L-
PI Sta 27+86.315
Δ = 11' 14" 21.2' (RT)
L = 143.198
T = 71.829
R = 730.000
SE = 0.03
RUNOFF = 36m



PROJECT REFERENCE NO. U-3119A		SHEET NO. 10	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
CONST. REV.		R/W REV.	

STATE OF NORTH CAROLINA ~ COUNTY OF WAKE

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 10 of the final plans for Project 34906.2.3 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 12 to the minutes of the 16th day of March 2008 Board of Transportation meeting, on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 7 day of March, 2008

Johnny Dennis
Secretary to Board of Transportation

FOR -L- PROFILE
SEE SHEET 14