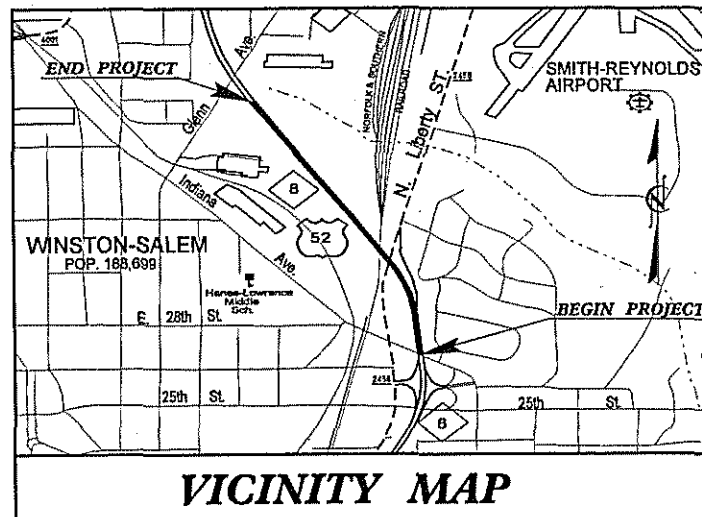


See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols



VICINITY MAP

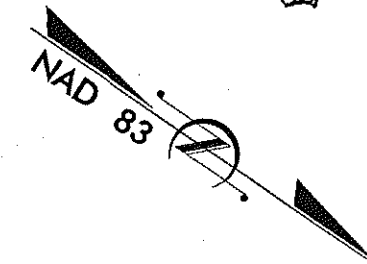
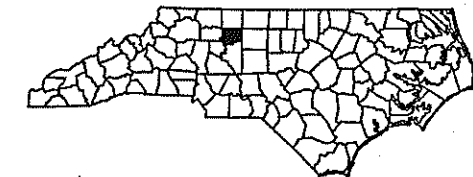
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

FORSYTH COUNTY

LOCATION: US 52 OVER THE NORFOLK SOUTHERN RAILROAD
IN WINSTON-SALEM

TYPE OF WORK: GRADING, PAVING, DRAINAGE, RESURFACING, WIDENING,
CURB & GUTTER, SIGNING, SIGNALS, AND STRUCTURES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2826A	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34871.1.1	NHF-52 (4)	P.E.	
34871.2.2	NHF-52 (14)	RW & UTIL.	
34871.3.2	BRNHS-52(19)	CONST.	



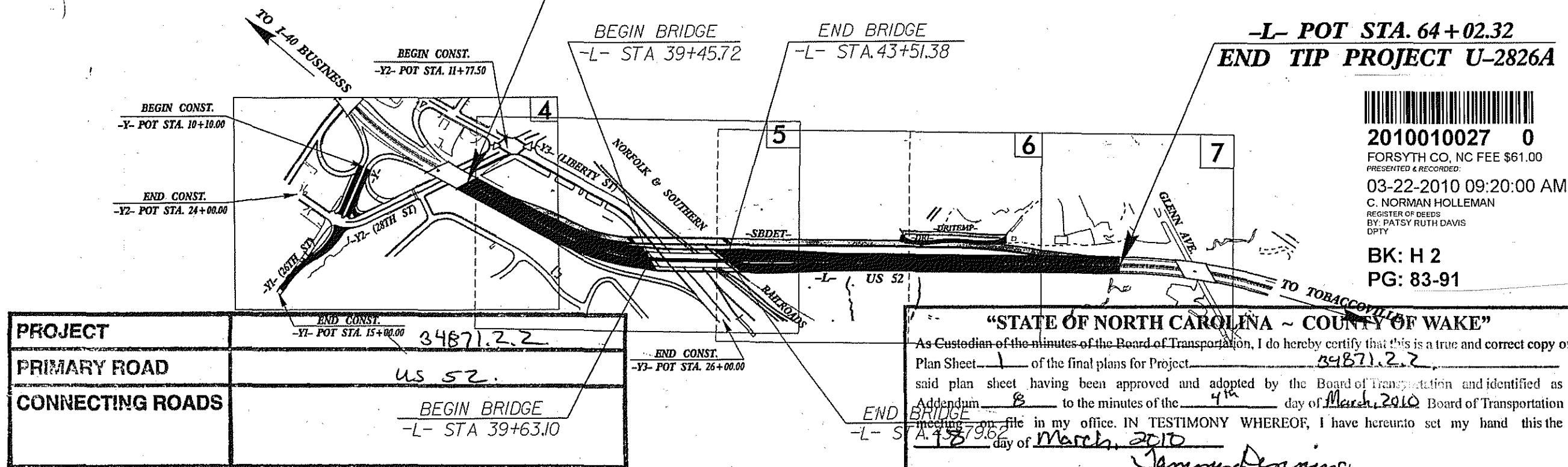
-L- POT STA. 29+28.33

BEGIN TIP PROJECT U-2826A

WINSTON-SALEM

-L- POT STA. 64+02.32

END TIP PROJECT U-2826A



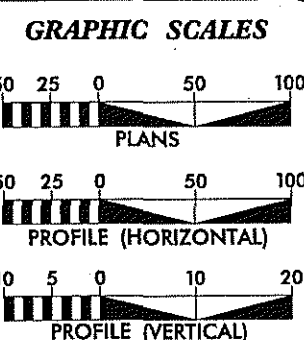
2010010027 0
FORSYTH CO, NC FEE \$61.00
PRESENTED & RECORDED:
03-22-2010 09:20:00 AM
C. NORMAN HOLLEMAN
REGISTER OF DEEDS
BY: PATSY RUTH DAVIS
DPTV
BK: H 2
PG: 83-91

"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 34871.2.2 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 8 to the minutes of the 4th day of March, 2010 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 18th day of March, 2010

James D. Thomas
Secretary to Board of Transportation

THIS IS A CONTROLLED ACCESS PROJECT
WITH ACCESS BEING LIMITED TO INTERCHANGES



DESIGN DATA	
ADT 2009 =	77,800
ADT 2030 =	77,600
DHV =	10 %
D =	50 %
T =	12 % *
V =	55 MPH
V (DETOUR) =	45 MPH
* TTST 7 %	DUAL 5%
FUNC CLASS =	FREWAY
STATEWIDE TIER	

PROJECT LENGTH	
LENGTH ROADWAY TIP PROJECT U-2826A	= 0.579 MILES
LENGTH STRUCTURE TIP PROJECT U-2826A	= 0.079 MILES
TOTAL LENGTH TIP PROJECT U-2826A	= 0.658 MILES
* LENGTHS BASED ON NBL BRIDGES	

Prepared in the Office of: DIVISION OF HIGHWAYS 1000 Birch Ridge Dr., Raleigh NC, 27610	
2006 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: DECEMBER 19, 2007	ROGER D. THOMAS, PE PROJECT ENGINEER
LETTING DATE: FEBRUARY 16, 2010	BRIAN P. ROBINSON PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 16600 SIGNATURE: <i>R.C. Long</i>	ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19849 SIGNATURE: <i>B.P. Robinson</i>
--	--

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA	
<i>Ant Miller</i> STATE HIGHWAY DESIGN ENGINEER	

TIP PROJECT: U-2826A

CONTRACT: C202129

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	_____
County Line	_____
Township Line	_____
City Line	_____
Reservation Line	_____
Property Line	_____
Existing Iron Pin	○
Property Corner	✕
Property Monument	□
Parcel/Sequence Number	(23)
Existing Fence Line	—x—x—x—
Proposed Woven Wire Fence	—○—
Proposed Chain Link Fence	—□—
Proposed Barbed Wire Fence	—◇—
Existing Wetland Boundary	—W.S.—
Proposed Wetland Boundary	—W.S.—
Existing Endangered Animal Boundary	—E.A.S.—
Existing Endangered Plant Boundary	—E.P.S.—

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or UG Tank Cap	○
Sign	○
Well	○
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	□
Building	□
School	□
Church	□
Dam	□

HYDROLOGY:

Stream or Body of Water	_____
Hydro, Pool or Reservoir	_____
Jurisdictional Stream	—JS—
Buffer Zone 1	—BZ 1—
Buffer Zone 2	—BZ 2—
Flow Arrow	→
Disappearing Stream	→
Spring	○
Wetland	—W.S.—
Proposed Lateral, Tail, Head Ditch	—F.D.—
False Sump	—F.S.—

RAILROADS:

Standard Gauge	_____
RR Signal Milepost	_____
Switch	_____
RR Abandoned	_____
RR Dismantled	_____

RIGHT OF WAY:

Baseline Control Point	◆
Existing Right of Way Marker	△
Existing Right of Way Line	—
Proposed Right of Way Line	—W—
Proposed Right of Way Line with Iron Pin and Cap Marker	—W—
Proposed Right of Way Line with Concrete or Granite Marker	—W—
Existing Control of Access	—E—
Proposed Control of Access	—E—
Existing Easement Line	—E—
Proposed Temporary Construction Easement	—E—
Proposed Temporary Drainage Easement	—TDE—
Proposed Permanent Drainage Easement	—PDE—
Proposed Permanent Utility Easement	—PUE—
Proposed Temporary Utility Easement	—TUE—
Proposed Permanent Easement with Iron Pin and Cap Marker	—E—

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	_____
Existing Curb	_____
Proposed Slope Stakes Cut	—C—
Proposed Slope Stakes Fill	—F—
Proposed Wheel Chair Ramp	—WCR—
Existing Metal Guardrail	—
Proposed Guardrail	—
Existing Cable Guiderail	—
Proposed Cable Guiderail	—
Equality Symbol	—
Pavement Removal	—

VEGETATION:

Single Tree	○
Single Shrub	○
Hedge	—
Woods Line	—
Orchard	—
Vineyard	—

EXISTING STRUCTURES:

MAJOR:

Bridge, Tunnel or Box Culvert	—
Bridge Wing Wall, Head Wall and End Wall	—

MINOR:

Head and End Wall	—
Pipe Culvert	—
Footbridge	—
Drainage Box: Catch Basin, DI or JB	—
Paved Ditch Gutter	—
Storm Sewer Manhole	—
Storm Sewer	—

UTILITIES:

POWER:

Existing Power Pole	—
Proposed Power Pole	—
Existing Joint Use Pole	—
Proposed Joint Use Pole	—
Power Manhole	—
Power Line Tower	—
Power Transformer	—
UG Power Cable Hand Hole	—
H-Frame Pole	—
Recorded UG Power Line	—
Designated UG Power Line	—

TELEPHONE:

Existing Telephone Pole	—
Proposed Telephone Pole	—
Telephone Manhole	—
Telephone Booth	—
Telephone Pedestal	—
Telephone Cell Tower	—
UG Telephone Cable Hand Hole	—
Recorded UG Telephone Cable	—
Designated UG Telephone Cable	—
Recorded UG Telephone Conduit	—
Designated UG Telephone Conduit	—
Recorded UG Fiber Optics Cable	—
Designated UG Fiber Optics Cable	—

WATER:

Water Manhole	—
Water Meter	—
Water Valve	—
Water Hydrant	—
Recorded UG Water Line	—
Designated UG Water Line (S.U.E.*)	—
Above Ground Water Line	—

TV:

TV Satellite Dish	—
TV Pedestal	—
TV Tower	—
UG TV Cable Hand Hole	—
Recorded UG TV Cable	—
Designated UG TV Cable (S.U.E.*)	—
Recorded UG Fiber Optic Cable	—
Designated UG Fiber Optic Cable (S.U.E.*)	—

GAS:

Gas Valve	—
Gas Meter	—
Recorded UG Gas Line	—
Designated UG Gas Line (S.U.E.*)	—
Above Ground Gas Line	—

SANITARY SEWER:

Sanitary Sewer Manhole	—
Sanitary Sewer Cleanout	—
UG Sanitary Sewer Line	—
Above Ground Sanitary Sewer	—
Recorded SS Forced Main Line	—
Designated SS Forced Main Line (S.U.E.*)	—

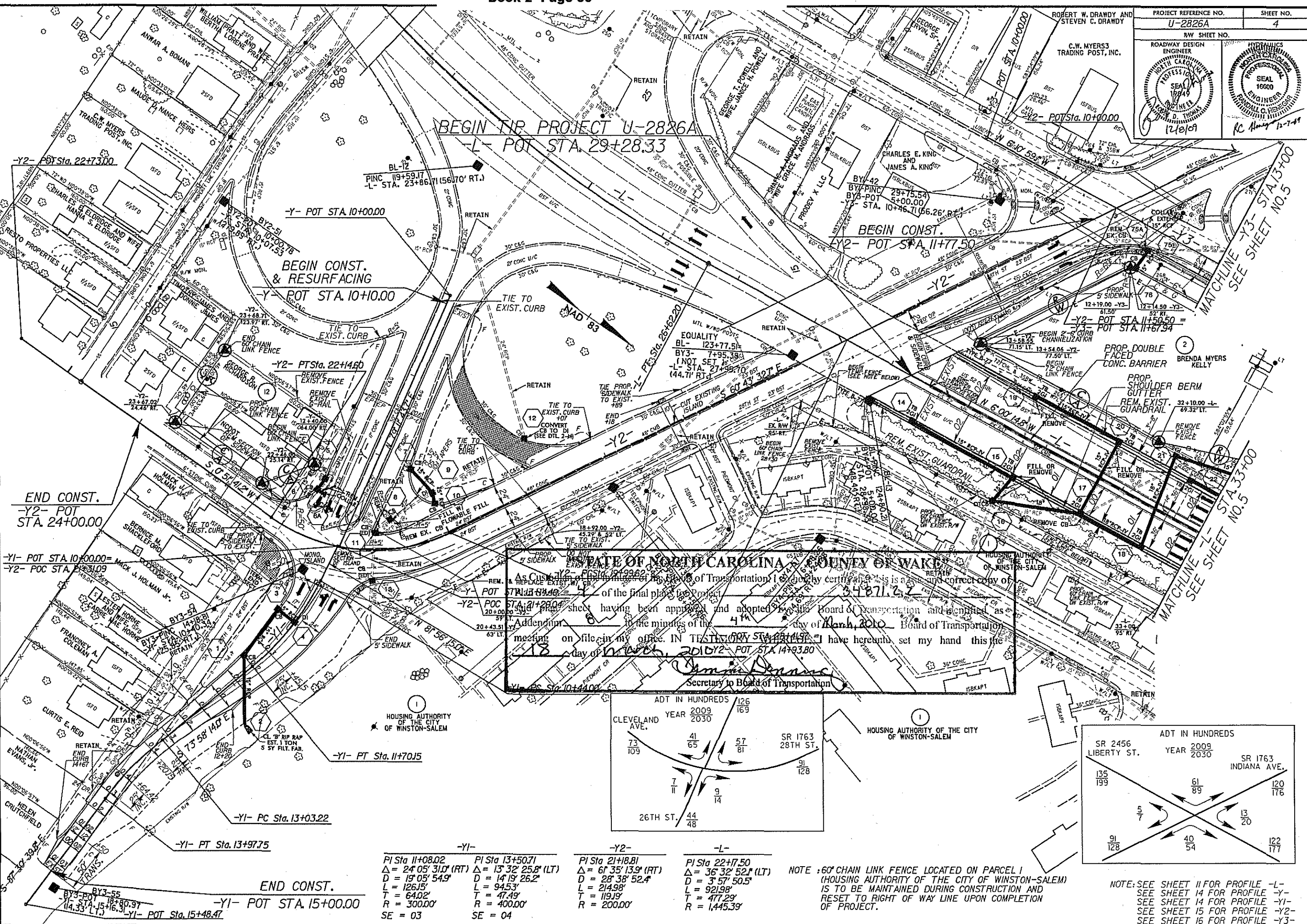
MISCELLANEOUS:

Utility Pole	—
Utility Pole with Base	—
Utility Located Object	—
Utility Traffic Signal Box	—
Utility Unknown UG Line	—
UG Tank; Water, Gas, Oil	—
AG Tank; Water, Gas, Oil	—
UG Test Hole (S.U.E.*)	—
Abandoned According to Utility Records	—
End of Information	—

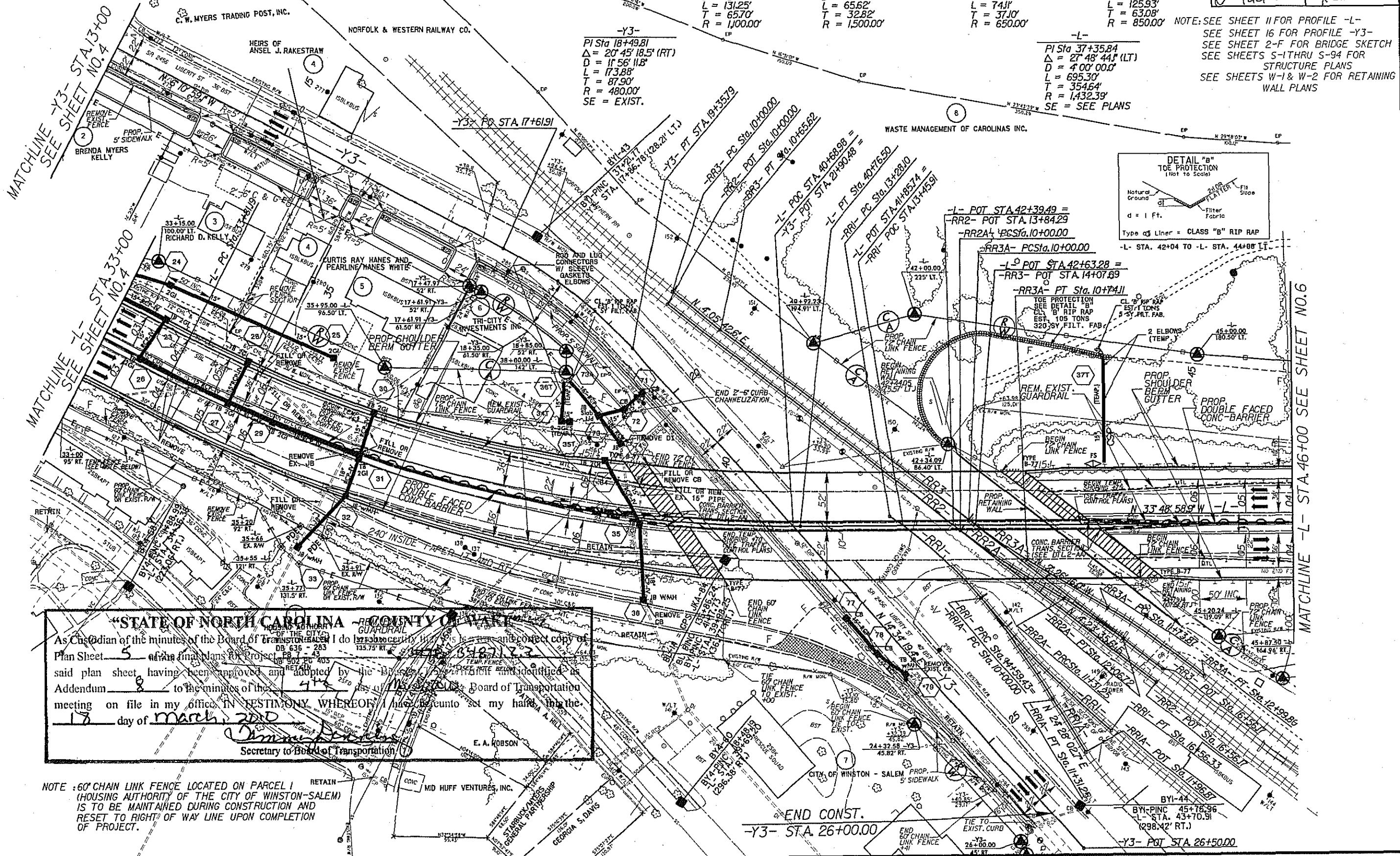
STATE OF NORTH CAROLINA
COUNTY OF WAKE
I, _____, Secretary to Board of Transportation, do hereby certify that this is a true and correct copy of the final plans for Project _____, as approved and adopted by the Board of Transportation on the _____ day of _____, 2010. IN WITNESS WHEREOF, I have hereunto set my hand this _____ day of _____, 2010.

Secretary to Board of Transportation

PROJECT REFERENCE NO. U-2826A	SHEET NO. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
HYDRAULICS ENGINEER	
SEAL 16000	
SEAL 16000	
12/8/09	
12-7-09	



PROJECT REFERENCE NO. U-2826A	SHEET NO. 5
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 19849 RICHARD D. THOMAS	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 16600 RANDALL C. HENEGAN



STATE OF NORTH CAROLINA - COUNTY OF WAKE

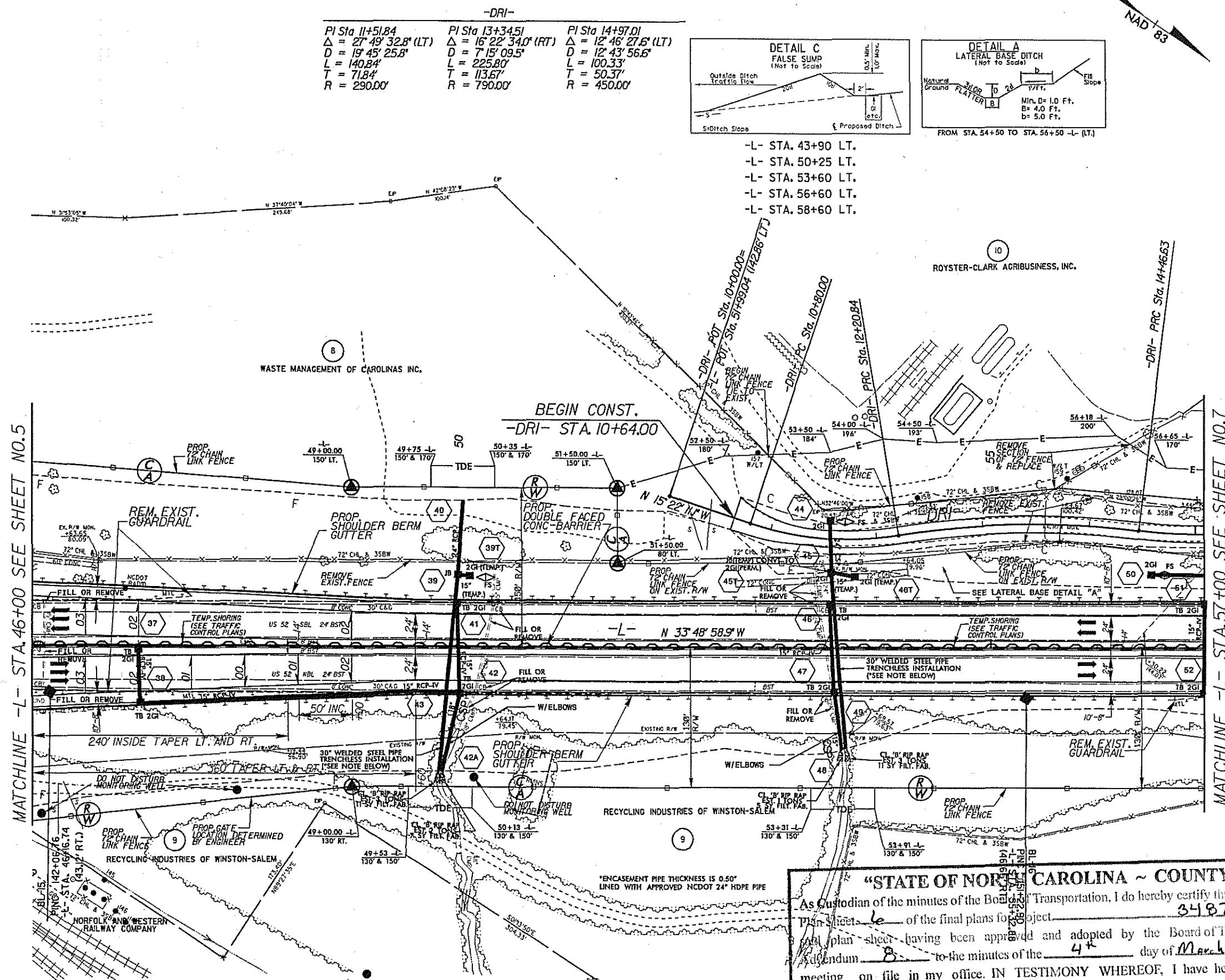
As Custodian of the minutes of the Board of Transportation of the City of Winston-Salem, I do hereby certify that this is a true and correct copy of Plan Sheet 5 of the final plans for Project 100-000-000, as shown on the said plan sheet having been approved and adopted by the Board of Transportation on the 17th day of March, 2010, in my office in testimony whereof, I have hereunto set my hand and the seal of the Board of Transportation.

James E. A. Robson
Secretary to Board of Transportation

NOTE: 60' CHAIN LINK FENCE LOCATED ON PARCEL 1 (HOUSING AUTHORITY OF THE CITY OF WINSTON-SALEM) IS TO BE MAINTAINED DURING CONSTRUCTION AND RESET TO RIGHT-OF-WAY LINE UPON COMPLETION OF PROJECT.

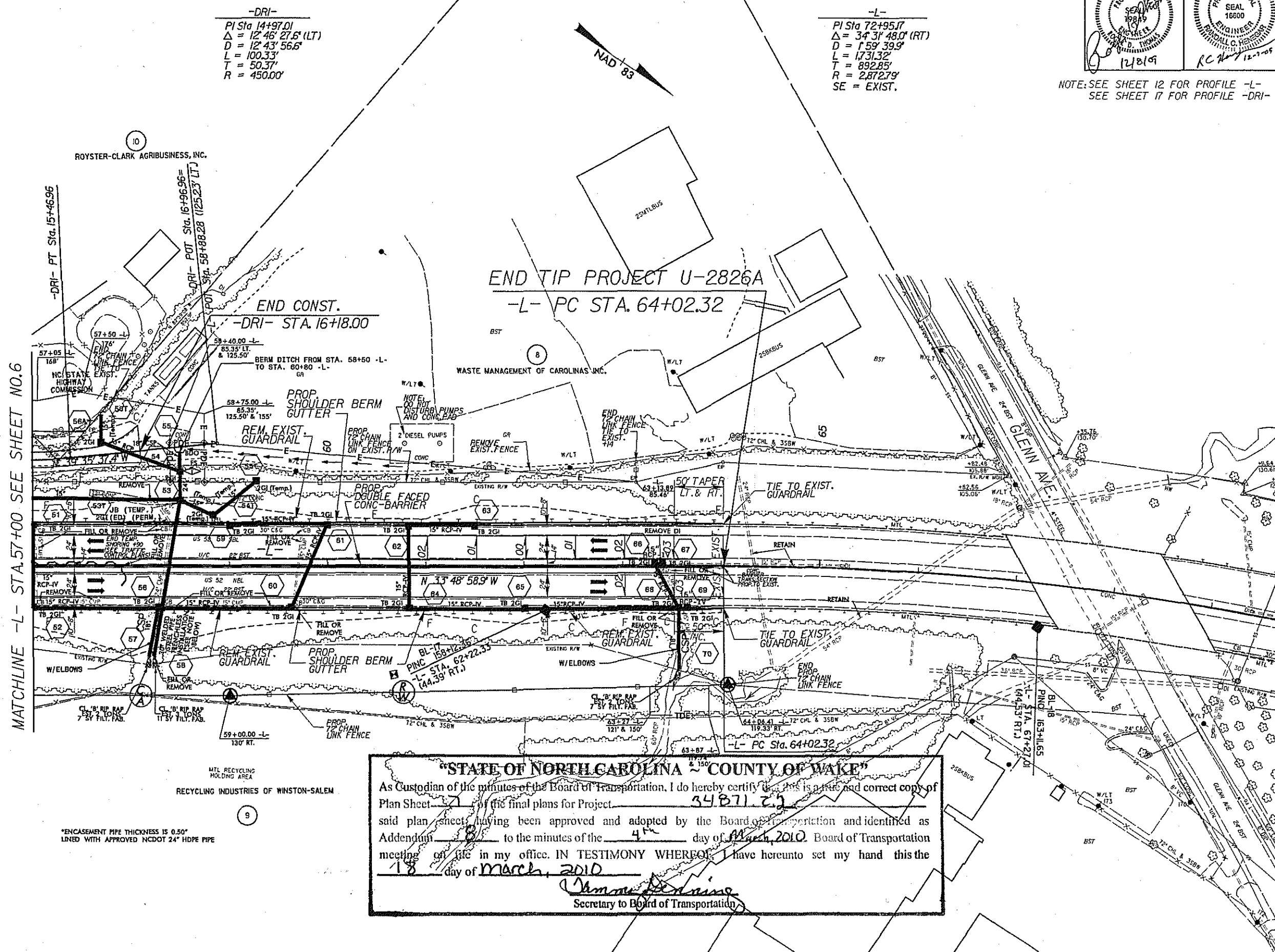
PROJECT REFERENCE NO. U-2826A	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 12/8/09	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 16800 RC 12-7-09

NOTE: SEE SHEET 12 FOR PROFILE -L-
SEE SHEET 17 FOR PROFILE -DRI-



PROJECT REFERENCE NO.	SHEET NO.
U-2826A	7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 12 FOR PROFILE -L-
SEE SHEET 17 FOR PROFILE -DRI-



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 34871.22 of the final plans for Project 34871.22 said plan sheets having been approved and adopted by the Board of Transportation and identified as Addendum 8 to the minutes of the 4th day of March, 2010. Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 18 day of March, 2010

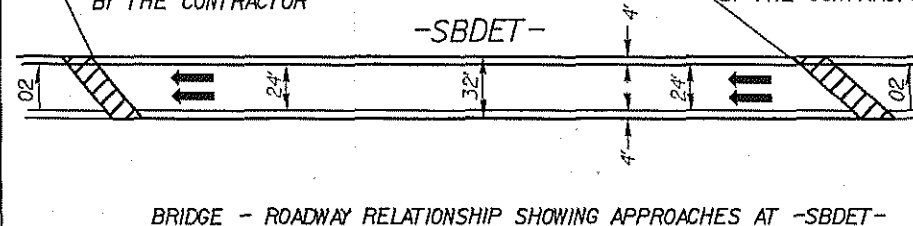
James Penning
Secretary to Board of Transportation

*ENCASEMENT PIPE THICKNESS IS 0.50"
LINED WITH APPROVED NCDOT 24" HDPE PIPE

BEGIN BRIDGE
TO BE DETERMINED
BY THE CONTRACTOR

END BRIDGE
TO BE DETERMINED
BY THE CONTRACTOR

PROJECT REFERENCE NO. U-2826A	SHEET NO. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 12/28/10	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 12/28/10



BRIDGE - ROADWAY RELATIONSHIP SHOWING APPROACHES AT -SBDET-

NOTE: SEE SHEET 13 FOR PROFILE -SBDET-
SEE SHEET 15 FOR PROFILE -NBXDETI-

WASTE MANAGEMENT OF CAROLINAS INC.
TEMPORARY DETOUR SHEET ONLY

-L-
PI Sta 37+35.84
 $\Delta = 27^\circ 48' 44''$ (LT)
 $D = 400' 00.0'$
 $L = 695.30'$
 $T = 354.64'$
 $R = 1,432.39'$

-SBDET-
PI Sta 31+14.48
 $\Delta = 10^\circ 53' 56.9''$ (LT)
 $D = 446' 28.7'$
 $L = 228.27'$
 $T = 114.48'$
 $R = 1,200.00'$
SE = SEE PLANS
C.W. MYERS TRADING POST, INC.

PI Sta 33+58.01
 $\Delta = 9^\circ 34' 10.8''$ (RT)
 $D = 341' 47.4'$
 $L = 258.88'$
 $T = 129.74'$
 $R = 1,550.00'$
SE = SEE PLANS

PI Sta 38+65.99
 $\Delta = 26^\circ 28' 58.2''$ (LT)
 $D = 732' 20.0'$
 $L = 351.28'$
 $T = 178.84'$
 $R = 760.00'$
SE = SEE PLANS

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 8 of the final plans for Project 34871.2.21
said plan sheet having been approved and adopted by the Board of Transportation as identified in
Addendum 8 to the minutes of the 19 day of March, 2010, Board of Transportation
meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this
18 day of March, 2010.
James H. Davis
Secretary to Board of Transportation

-NBXDETI-
PI Sta 32+49.34
 $\Delta = 10^\circ 11' 38.0''$ (LT)
 $D = 300' 00.0'$
 $L = 339.80'$
 $T = 170.35'$
 $R = 1,909.86'$

PI Sta 34+91.87
 $\Delta = 2^\circ 55' 21.9''$ (RT)
 $D = 200' 00.0'$
 $L = 146.14'$
 $T = 73.08'$
 $R = 2,864.79'$

MATCHLINE -SBDET- STA.43+00 SEE SHEET NO.9

REVISIONS

29-JAN-2010 13:46
R:\Roadway\Proj\U2826\00del.psh
THREESIXTH

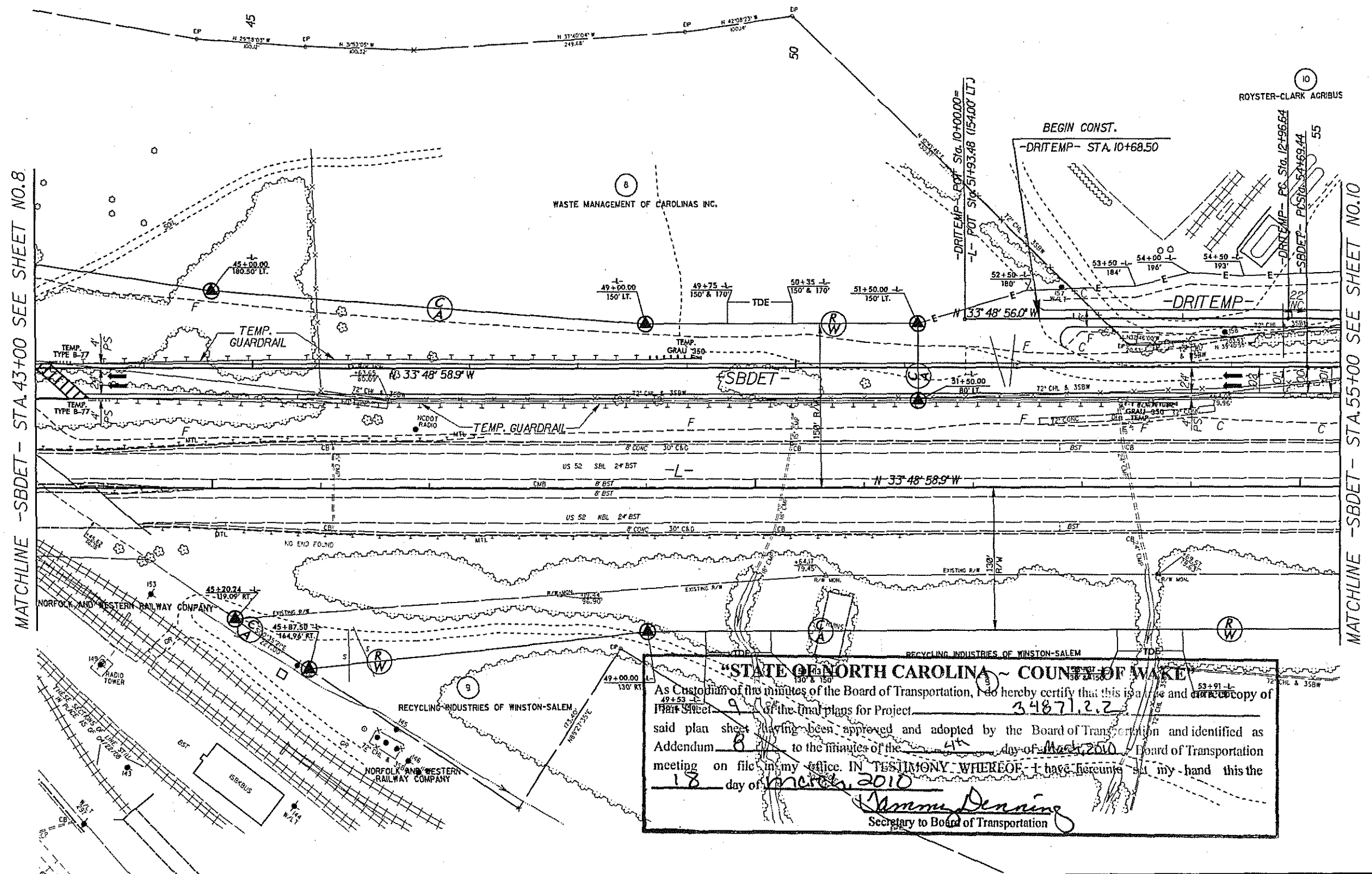
PROJECT REFERENCE NO. U-2826A	SHEET NO. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 1980 12/31/09	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 18800 12/31/09

NOTE: SEE SHEET 13 FOR PROFILE -SBDT-
SEE SHEET 17 FOR PROFILE -DRTEMP-

TEMPORARY DETOUR SHEET ONLY

-SBDT-
PI Sta 56+94.03
 $\Delta = 8' 57' 55.4''$ (RT)
 $D = 2' 00' 00.0''$
 $L = 448.27'$
 $T = 224.59'$
 $R = 2,864.79'$
SE = SEE PLANS

-DRTEMP-
PI Sta 13+63.79
 $\Delta = 5' 07' 35.0''$ (RT)
 $D = 3' 49' 11.0''$
 $L = 134.21'$
 $T = 67.15'$
 $R = 1,500.00'$



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 34871.2.2
said plan sheet having been approved and adopted by the Board of Transportation and identified as
Addendum 8 to the minutes of the 4th day of March, 2010. Board of Transportation
meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the
18 day of March, 2010
Jimmy Denning
Secretary to Board of Transportation

REVISIONS

MATCHLINE -SBDT- STA. 43+00 SEE SHEET NO.8

MATCHLINE -SBDT- STA. 55+00 SEE SHEET NO.10

8/17/99

02-DEC-2009 13:53
R:\Roadway\Projects\2826as\1dot.pch
11:11:11 AM

MATCHLINE STA. 55+00 SEE SHEET NO. 9

PI Sta 11+55.49	PI Sta 14+65.99
$\Delta = 7^{\circ} 45' 45.6" (RT)$	$\Delta = 7^{\circ} 45' 44.6" (LT)$
$D = 2^{\circ} 30' 00.0"$	$D = 2^{\circ} 30' 00.0"$
$L = 310.5'$	$L = 310.50'$
$T = 155.49'$	$T = 155.49'$
$R = 2,291.83'$	$R = 2,291.83'$

