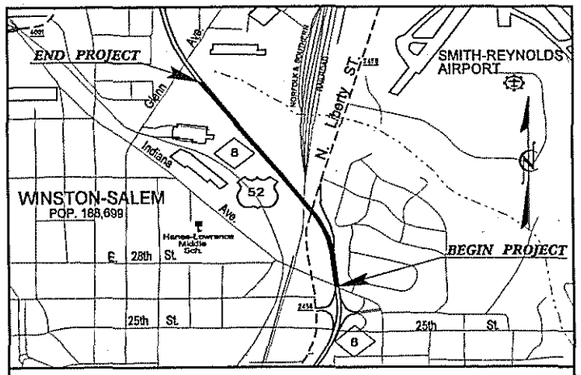
09/08/09

TIP PROJECT: U-2826A

CONTRACT: C202129

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



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

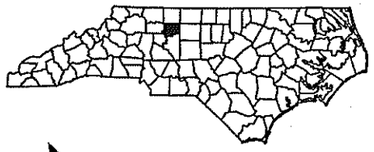
FORSYTH COUNTY

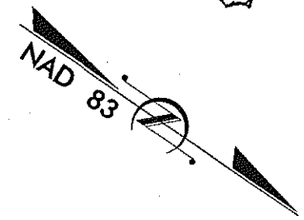
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2826A	1	

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
34871.1.1	NHF-52 (4)	P.E.
34871.2.2	NHF-52 (14)	R/W & UTIL.
34871.3.2	BRNHS-52(19)	CONST.

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





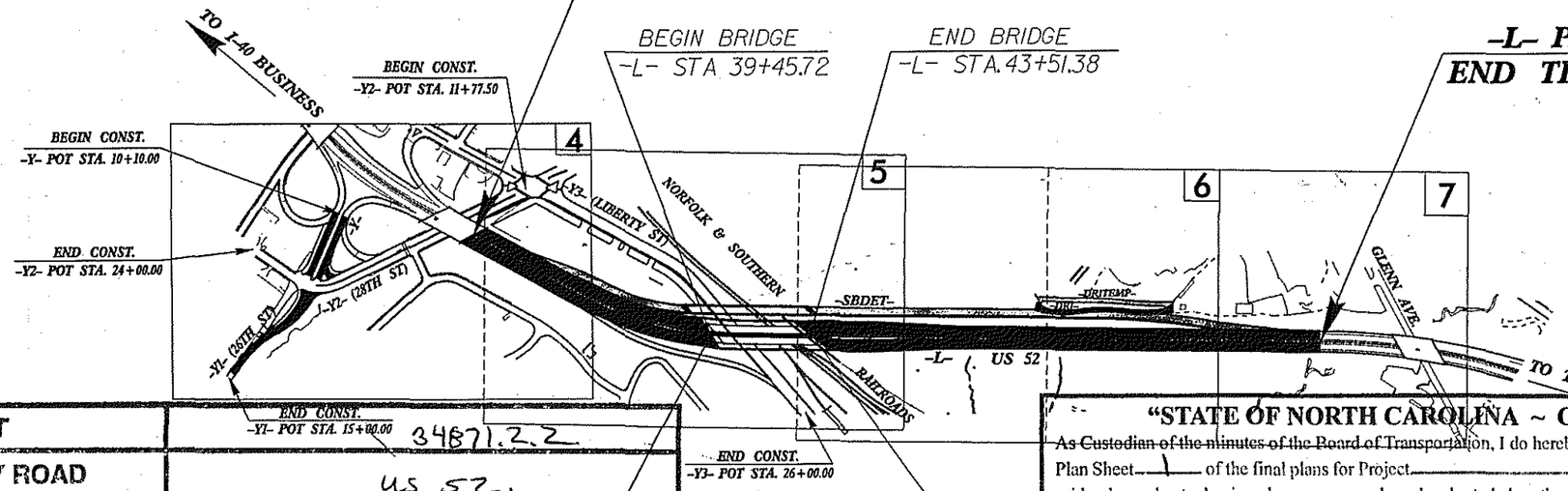
WINSTON-SALEM

-L- POT STA. 29+28.33
BEGIN TIP PROJECT U-2826A

BEGIN BRIDGE
-L- STA 39+45.72

END BRIDGE
-L- STA. 43+51.38

-L- POT STA. 64+02.32
END TIP PROJECT U-2826A



PROJECT	34871.2.2
PRIMARY ROAD	US 52.
CONNECTING ROADS	BEGIN BRIDGE -L- STA 39+63.10

END BRIDGE
-L- STA. 43+79.62

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
DPTY
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 18 day of March, 2010

Secretary to Board of Transportation

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

GRAPHIC SCALES

50 25 0 50 100
PLANS

50 25 0 50 100
PROFILE (HORIZONTAL)

10 5 0 10 20
PROFILE (VERTICAL)

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 = FREEWAY
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

LETTING DATE: FEBRUARY 16, 2010

ROGER D. THOMAS, PE
PROJECT ENGINEER

BRIAN P. ROBINSON
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 16600 ENGINEER RANDALL C. HEREFORD
SIGNATURE: RC Hereford P.E.

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 19849 ENGINEER ROGER D. THOMAS
SIGNATURE: 12/8/09 P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

art McMillan P.E.
STATE HIGHWAY DESIGN ENGINEER

07-DEC-2009 14:12
R:\Roadway\Proj\u2826a_rdy_tsh.dgn
$$$$USERNAME$$$$

3/15/05

PROJECT REFERENCE NO.	SHEET NO.
U-2826A	1-B

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 — EIP
- Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign — S
- Well — W
- 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
- Proposed Lateral, Tail, Head Ditch — FLOW
- False Sump

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — 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 — RW
- Proposed Right of Way Line with Iron Pin and Cap Marker — RW
- Proposed Right of Way Line with Concrete or Granite Marker — RW
- Existing Control of Access — CA
- Proposed Control of Access — CA
- 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

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 — Vineyard

EXISTING STRUCTURES:

MAJOR:

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

MINOR:

- Head and End Wall — CONC HW
- *Pipe Culvert*
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

POWER:

- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole — P
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole — H
- H-Frame Pole
- Recorded U/G Power Line — P
- Designated U/G Power Line (S.U.E.*) — P

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole
- Telephone Booth
- Telephone Pedestal
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole — H
- Recorded U/G Telephone Cable — T
- Designated U/G Telephone Cable (S.U.E.*) — T
- Recorded U/G Telephone Conduit — T
- Designated U/G Telephone Conduit (S.U.E.*) — T
- Recorded U/G Fiber Optics Cable — T FO
- Designated U/G Fiber Optics Cable (S.U.E.*) — T FO

"STATE OF NORTH CAROLINA COUNTY OF WAKE"
I certify that this is a true and correct copy of Plan Sheet 1 of 2 of the final plans for Project 34871.2.2 as submitted to the Board of Transportation and identified as said plan sheet by the Board of Transportation having been approved and adopted by the Board of Transportation on the 4th day of March 2010 and shown to the minutes of the Board of Transportation. I have hereunto set my hand and affixed my official seal in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 8th day of March, 2010
Secretary to Board of Transportation

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- Recorded U/G Water Line — W
- Designated U/G Water Line (S.U.E.*) — W
- Above Ground Water Line — A/G Water

TV:

- TV Satellite Dish
- TV Pedestal — TV
- TV Tower
- U/G TV Cable Hand Hole — H
- Recorded U/G TV Cable — TV
- Designated U/G TV Cable (S.U.E.*) — TV
- Recorded U/G Fiber Optic Cable — T FO
- Designated U/G Fiber Optic Cable (S.U.E.*) — T FO

GAS:

- Gas Valve
- Gas Meter — G
- Recorded U/G Gas Line — G
- Designated U/G Gas Line (S.U.E.*) — G
- Above Ground Gas Line — A/G Gas

SANITARY SEWER:

- Sanitary Sewer Manhole — S
- Sanitary Sewer Cleanout — S
- U/G Sanitary Sewer Line — SS
- Above Ground Sanitary Sewer — A/G Sanitary Sewer
- Recorded SS Forced Main Line — FSS
- Designated SS Forced Main Line (S.U.E.*) — FSS

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- *Utility Unknown U/G Line* — ?UTL
- U/G Tank; Water, Gas, Oil
- A/G Tank; Water, Gas, Oil
- U/G Test Hole (S.U.E.*) — H
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

PROJECT REFERENCE NO.	SHEET NO.
U-2826A	4
RW SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 19949 ENGINEER JOHN D. THOMAS — 12/8/09

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 16600 ENGINEER RANDALL G. HENEGAR — 12-7-09

REVISIONS

8/17/99

BEGIN TIP PROJECT U-2826A
-L- POT STA. 29+28.33

BEGIN CONST. & RESURFACING
-Y- POT STA. 10+10.00

BEGIN CONST.
-Y2- POT STA. 11+77.50

END CONST.
-Y2- POT STA. 24+00.00

END CONST.
-Y1- POT STA. 15+00.00

MATCHLINE -Y3- STA. 13+00 SEE SHEET NO. 5

MATCHLINE -L- STA. 33+00 SEE SHEET NO. 5

-Y2- POT Sta. 22+73.00

-Y- POT STA. 10+00.00

-Y2- PT Sta. 22+14.60

-Y2- PC Sta. 26+82.20

-Y1- POT STA. 10+00.00= -Y2- POC STA. 23+31.09

-Y1- PT Sta. 11+70.15

-Y1- PC Sta. 13+03.22

-Y1- PT Sta. 13+97.75

-Y1- POT Sta. 15+48.47

-Y2- POT Sta. 10+00.00

-Y2- POT Sta. 10+99.62 = -Y- POT STA. 11+99.40

-Y2- POC STA. 21+28.04

-Y2- POT STA. 21+48.44

-Y2- POT STA. 11+50.50 = -Y3- POT STA. 11+67.94

-Y3- POT STA. 14+93.80

-Y1- POC Sta. 10+44.09

BL-12 PINC 119+59.17 -L- STA. 23+86.71 (56.70' RT.)

BY2-5 PINC 10+00.78 -Y- STA. 10+07.53 (12.89' RT.)

BY2-42 PINC 29+75.54 5+00.00 -Y3- STA. 10+46.71 (56.26' RT.)

BY3-54 PINC 14+18.81 -L- STA. 10+40.36 (125.05' RT.)

BY3-55 PINC 18+80.97 -Y1- STA. 15+16.31 (14.33' LT.)

BY3-PINC 7+95.38 (NOT SET) -L- STA. 27+98.70 (44.71' RT.)

BY3-POT 5+00.00 -Y3- STA. 10+46.71 (56.26' RT.)

NAD 83

EQUALITY BL- 123+77.51 = BY3- 7+95.38

TIE TO EXIST. CURB

TIE PROP. SIDEWALK TO EXIST. +89

CUT EXISTING ISLAND

CONVERT CB TO DI (SEE DTL. 2-H)

REMOVE EXIST. FENCE

REMOVE EXIST. G-RAIL

REM. EXIST. GUARDRAIL

PROP. DOUBLE FACED CONC. BARRIER

PROP. SHOULDER BERM GUTTER

PROP. 5' SIDEWALK

PROP. 5' SIDEWALK TO EXIST.

REM. & REPLACE EXIST. W/ CB

REM. EX. CB & FILL W/ FLOWABLE FILL

FILL OR REMOVE

REMOVE CB

REMOVE EXIST. FENCE

BEGIN 2'-6" CURB CHANNELIZATION

BEGIN 72" CHAIN LINK FENCE

BEGIN 60" CHAIN LINK FENCE

PROP. 60" CHAIN LINK FENCE

PROP. 60" CHAIN LINK FENCE ON EXIST. R/W

END 5' SIDEWALK

END CURB

CL 'B' RIP RAP EST. 1 TON 5 SY FILT. FAB.

HOUSING AUTHORITY OF THE CITY OF WINSTON-SALEM

ROBERT W. DRAWDY AND STEVEN C. DRAWDY

C.W. MYERS3 TRADING POST, INC.

GEORGE T. POWELL AND WIFE, JANICE H. POWELL

CHARLES E. KING AND JAMES A. KING

HAROLD A. ANDRADE AND WIFE GRACE M. ANDRADE

PROVEY X LLC

WILLIAM PRATT AND WIFE LORENE PRATT

ANWAR A. BOMANI

MAUDE D. NANCE HEIRS

CHARLES E. ELDRIDGE AND WIFE HANNA S. ELDRIDGE

RESITO PROPERTIES LLC

TIMOTHY C. AMES AND WIFE DONNIE JAMES

GEORGE R. RICHARDSON

MACK J. HOLMAN JR.

BERNICE M. SHACKLEFORD

LESTER HORNE AND WIFE CARRIE HORNE

FRANCINEY A. COLEMAN

CURTIS E. REID

NATHAN EVANS, JR.

HELEN CRUTCHFIELD

GEORGE W. ERVIN, SR.

ADT IN HUNDREDS

CLEVELAND AVE. — SR 1763 28TH ST. — 26TH ST.

YEAR 2009 / 2030

73/109 — 41/65 — 57/81 — 126/169 — 91/128 — 7/11 — 9/14 — 44/48

ADT IN HUNDREDS

SR 2456 LIBERTY ST. — SR 1763 INDIANA AVE.

YEAR 2009 / 2030

135/199 — 61/89 — 120/176 — 5/7 — 13/20 — 91/128 — 40/54 — 122/177

STATE OF NORTH CAROLINA, COUNTY OF WAKE

As Custodian of the minutes of the Department of Transportation, I do hereby certify that this is a true and correct copy of Sheet 4 of the final plans for Project 8.1487172 F, said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 6 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

Secretary to Board of Transportation

-Y1-

PI Sta 11+08.02	PI Sta 13+50.71
Δ = 24° 05' 31.0" (RT)	Δ = 13° 32' 25.8" (LT)
D = 19° 05' 54.9"	D = 14° 19' 26.2"
L = 126.15'	L = 94.53'
T = 64.02'	T = 47.49'
R = 300.00'	R = 400.00'
SE = 03	SE = 04

-Y2-

PI Sta 21+18.81
Δ = 6° 35' 13.9" (RT)
D = 28° 38' 52.4"
L = 214.98'
T = 119.19'
R = 200.00'

-L-

PI Sta 22+17.50
Δ = 36° 32' 52.1" (LT)
D = 3° 57' 50.5"
L = 921.98'
T = 477.29'
R = 1,445.39'

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.

NOTE: SEE SHEET 11 FOR PROFILE -L-
SEE SHEET 14 FOR PROFILE -Y-
SEE SHEET 14 FOR PROFILE -Y1-
SEE SHEET 15 FOR PROFILE -Y2-
SEE SHEET 16 FOR PROFILE -Y3-

07-DEC-2009 14:11
N:\roadway\Proj\u2826sd04.psh
$$$$USER$$$$

PROJECT REFERENCE NO.	SHEET NO.
U-2826A	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 19849 ... D. THOMAS 12/8/09

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 16600 RANDALL C. HENEGAR 12-7-09

-RR1-

PI Sta 10+65.63
Δ = 2°08′54.1″ (RT)
D = 1°38′13.3″
L = 131.24′
T = 65.63′
R = 3,500.00′

PI Sta 11+96.91
Δ = 5°34′13.3″ (LT)
D = 4°14′38.9″
L = 131.25′
T = 65.68′
R = 1,350.00′

PI Sta 13+94.15
Δ = 15°02′59.2″ (RT)
D = 11°27′33.0″
L = 131.33′
T = 66.05′
R = 500.00′

PI Sta 15+58.10
Δ = 9°24′03.4″ (LT)
D = 4°46′28.7″
L = 196.89′
T = 98.67′
R = 1,200.00′

-RR2A-

PI Sta 10+65.70
Δ = 6°32′21.2″ (LT)
D = 4°58′56.1″
L = 131.25′
T = 65.70′
R = 1,150.00′

PI Sta 11+68.99
Δ = 2°52′57.5″ (RT)
D = 3°49′11.0″
L = 75.47′
T = 37.74′
R = 1,500.00′

-RR1A-

PI Sta 10+65.70
Δ = 6°50′11.8″ (RT)
D = 5°12′31.3″
L = 131.25′
T = 65.70′
R = 1,100.00′

-RR3-

PI Sta 10+32.82
Δ = 2°30′23.7″ (LT)
D = 3°49′11.0″
L = 65.62′
T = 32.82′
R = 1,500.00′

-RR3A-

PI Sta 10+37.10
Δ = 6°31′58.6″ (LT)
D = 8°48′53.0″
L = 74.11′
T = 37.10′
R = 650.00′

PI Sta 12+36.95
Δ = 8°29′19.3″ (RT)
D = 6°44′26.4″
L = 125.93′
T = 63.08′
R = 850.00′

-Y3-

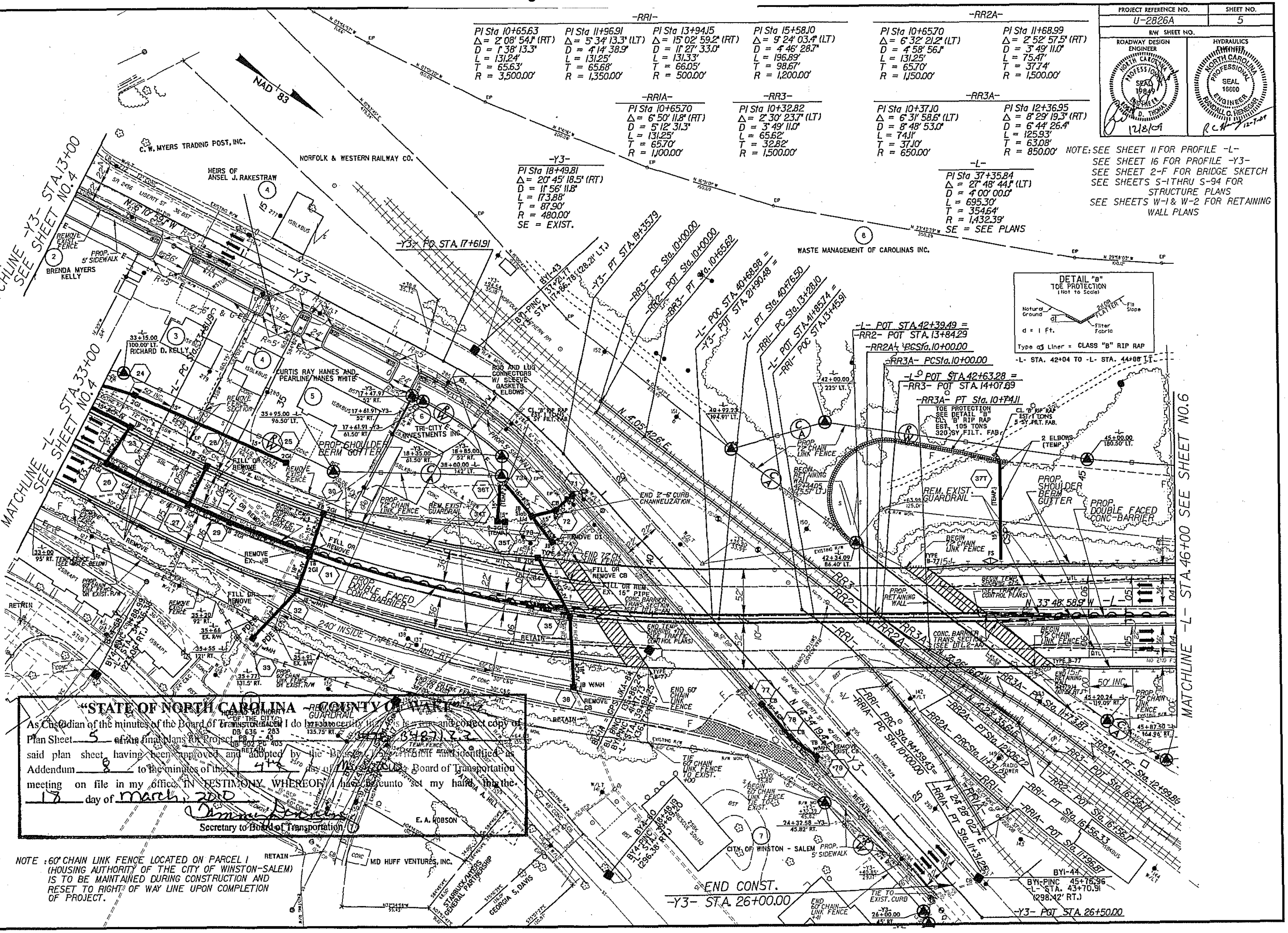
PI Sta 18+49.81
Δ = 20°45′18.5″ (RT)
D = 11°56′11.8″
L = 173.88′
T = 87.90′
R = 480.00′
SE = EXIST.

-L-

PI Sta 37+35.84
Δ = 27°48′44.1″ (LT)
D = 4°00′00.0″
L = 695.30′
T = 354.64′
R = 1,432.39′
SE = SEE PLANS

NOTE: SEE SHEET 11 FOR PROFILE -L-
SEE SHEET 16 FOR PROFILE -Y3-
SEE SHEET 2-F FOR BRIDGE SKETCH
SEE SHEETS S-1 THRU S-94 FOR STRUCTURE PLANS
SEE SHEETS W-1 & W-2 FOR RETAINING WALL PLANS

DETAIL "B"
TOE PROTECTION
(Not to Scale)
d = 1 Ft.
Type of Liner = CLASS "B" RIP RAP
-L- STA. 42+04 TO -L- STA. 44+88 LT.



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.

"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 34871.2.3 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 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand, this the 17 day of March, 2010

[signature]
Secretary to Board of Transportation

07-DEC-2009 14:11
R:\Roadway\Proj\u2826a_rdy_psh05.psh

PROJECT REFERENCE NO.	SHEET NO.
U-2826A	6
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 19849 ENGINEER ROGER D. THOMAS — 12/8/09

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 16600 ENGINEER RANDALL G. HEDGECOCK — 12-7-09

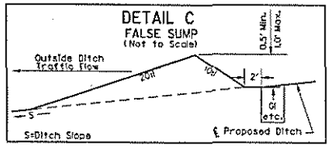
NOTE: SEE SHEET 12 FOR PROFILE -L-
SEE SHEET 17 FOR PROFILE -DRI-

NAD 83

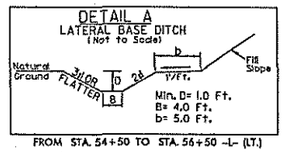
-DRI-

PI Sta 11+51.84	PI Sta 13+34.51	PI Sta 14+97.01
Δ = 21° 49' 32.8" (LT)	Δ = 16° 22' 34.0" (RT)	Δ = 12° 46' 27.6" (LT)
D = 19° 45' 25.8"	D = 7° 15' 09.5"	D = 12° 43' 56.6"
L = 140.84'	L = 225.80'	L = 100.33'
T = 71.84'	T = 113.67'	T = 50.37'
R = 290.00'	R = 790.00'	R = 450.00'

DETAIL C
FALSE SUMP
(Not to Scale)

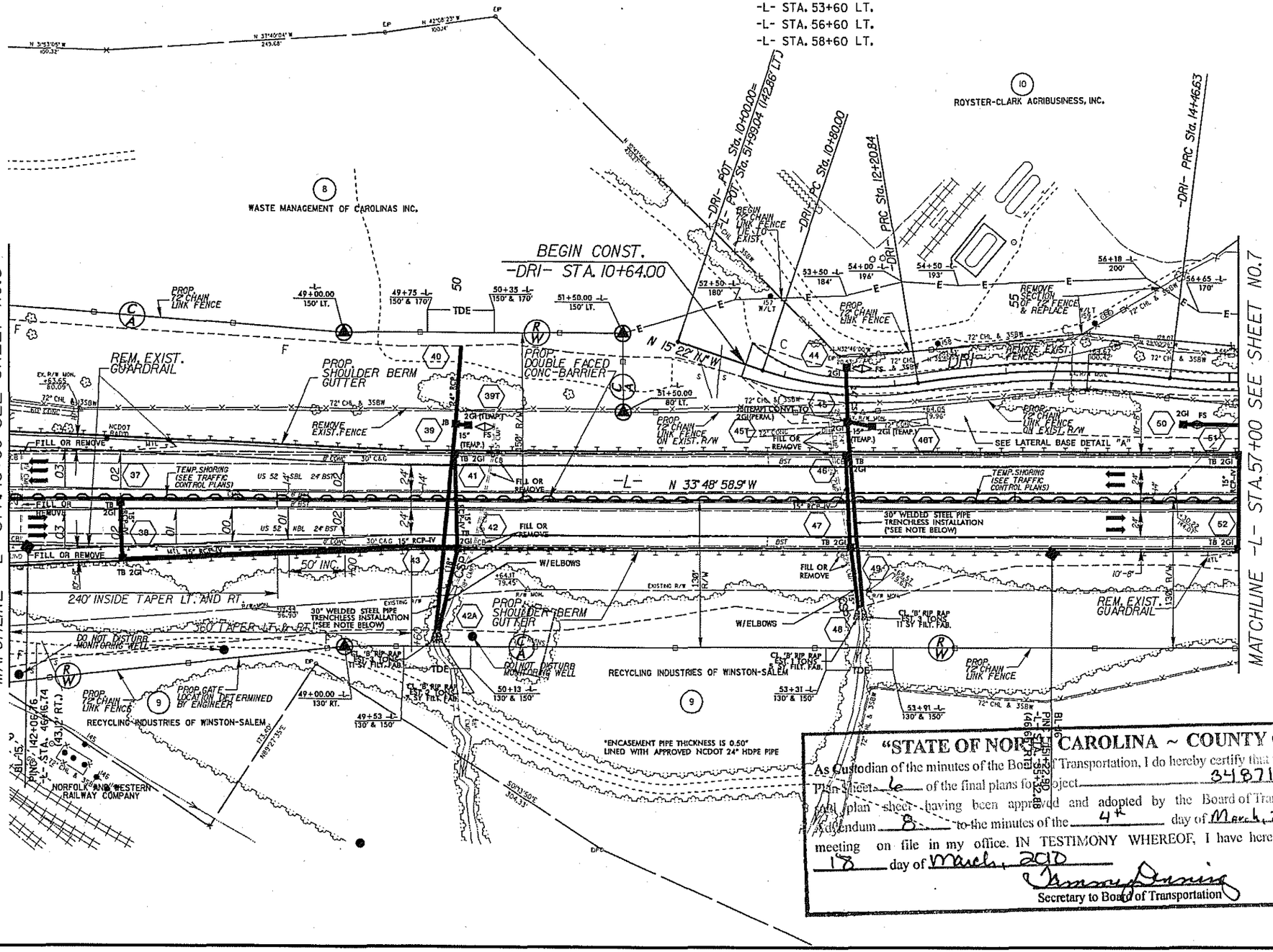


DETAIL A
LATERAL BASE DITCH
(Not to Scale)



FROM STA. 54+50 TO STA. 56+50 -L- (LT.)

-L- STA. 43+90 LT.
-L- STA. 50+25 LT.
-L- STA. 53+60 LT.
-L- STA. 56+60 LT.
-L- STA. 58+60 LT.



"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 34871.2.2 and 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

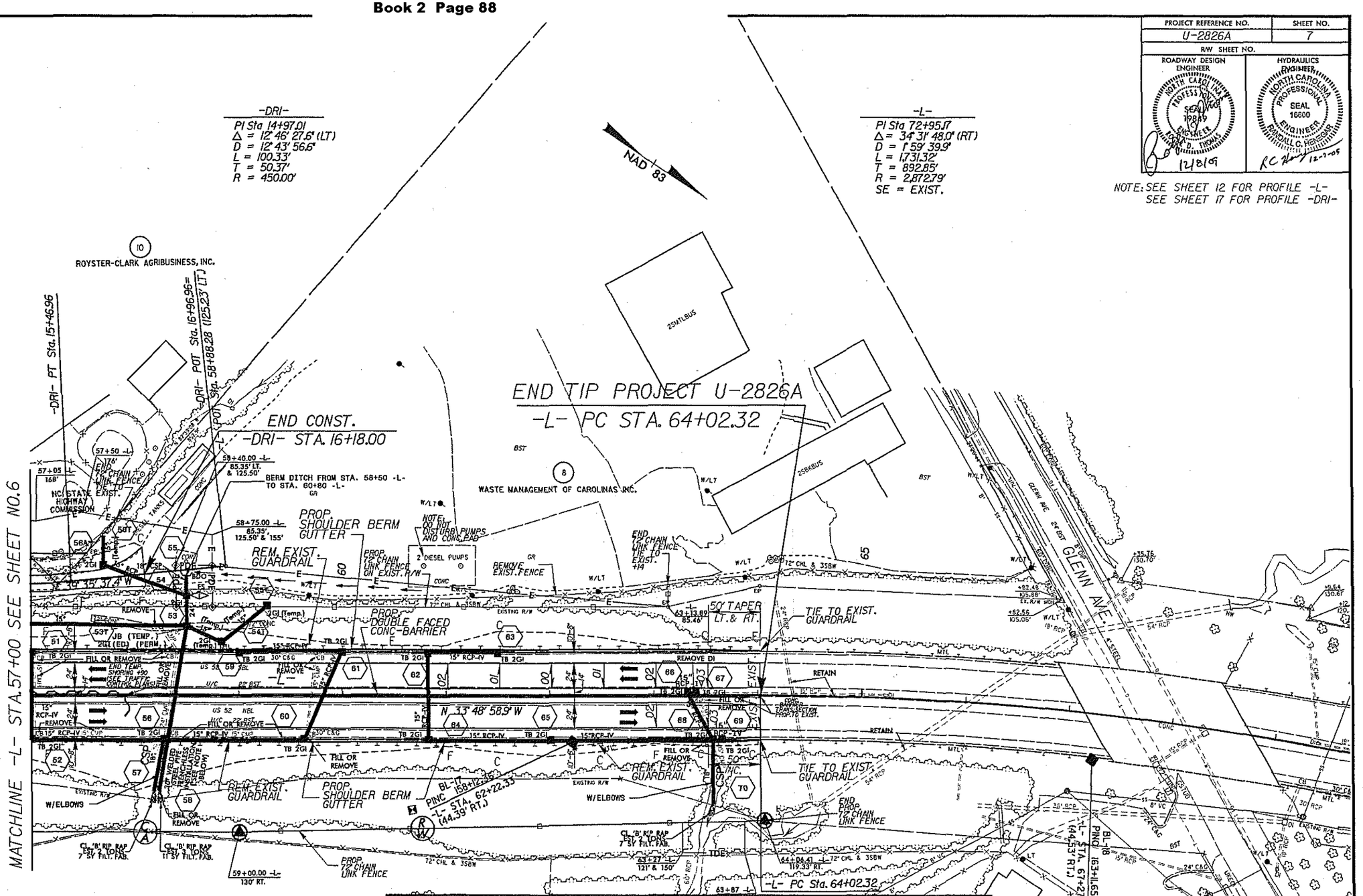
Secretary to Board of Transportation

REVISIONS 8/17/09

07-DEC-2009 14:43
R:\Roadway\Final\u-2826a06.psh
ASSOCIATE-ROADWAY.psh

PROJECT REFERENCE NO.	SHEET NO.
U-2826A	7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 19849 ENGINEER ROGER D. THOMAS 12/8/09	NORTH CAROLINA PROFESSIONAL SEAL 16600 ENGINEER RANDALL C. HENEGAR 12-7-09

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



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

"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 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

Tammy Denning
Secretary to Board of Transportation

REVISIONS

8/17/99

07-DEC-2009 14:43
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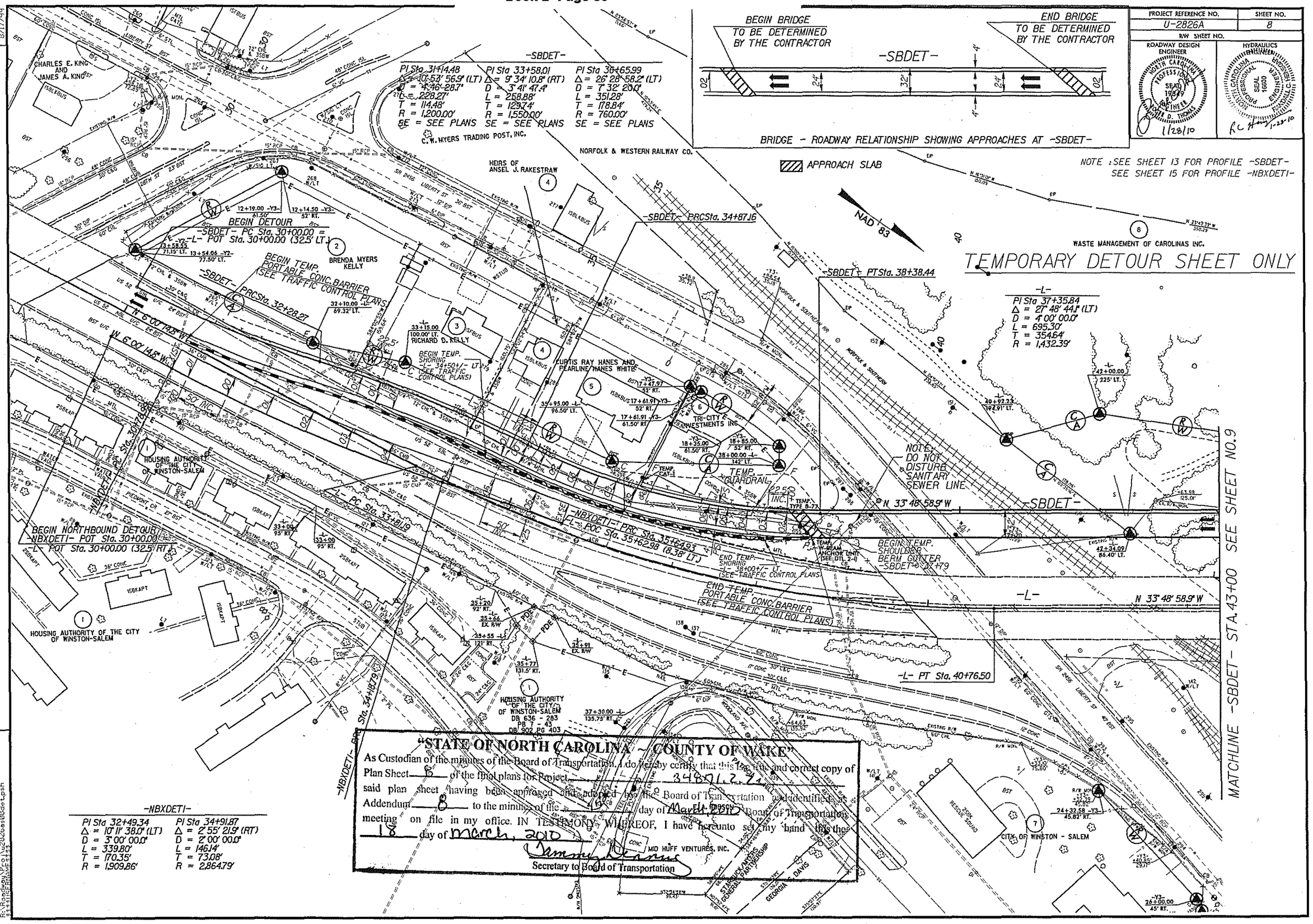
$$$$USERNAME$$$$



"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 34871.2.2 said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 8 to the minutes of the 18 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

Tammy Dennis
Secretary to Board of Transportation

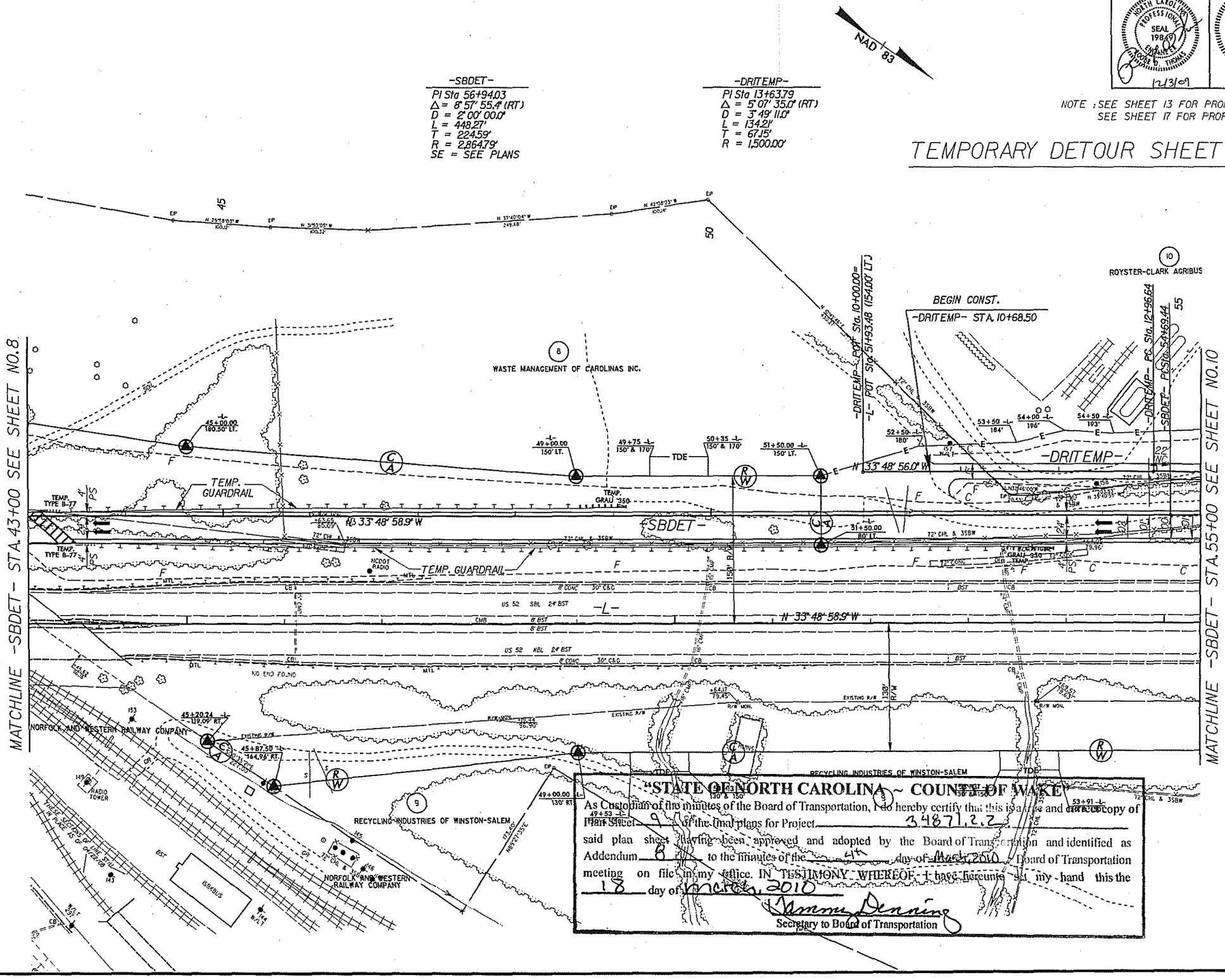
PROJECT REFERENCE NO.	SHEET NO.
U-2826A	9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 19849 ENGINEER ROGER D. THOMAS 12/3/09	NORTH CAROLINA PROFESSIONAL SEAL 18800 ENGINEER RANDALL C. HENEGAR 12-3-09

NOTE : SEE SHEET 13 FOR PROFILE -SBDET-
SEE SHEET 17 FOR PROFILE -DRITEMP-

TEMPORARY DETOUR SHEET ONLY

-SBDET-
PI Sta 56+94.03
Δ = 8° 57' 55.4" (RT)
D = 2° 00' 00.0"
L = 448.27'
T = 224.59'
R = 2,864.79'
SE = SEE PLANS

-DRITEMP-
PI Sta 13+63.79
Δ = 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

Tammy Denning
Secretary to Board of Transportation

REVISIONS

8/17/99

02-DEC-2009 13:53
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PROJECT REFERENCE NO.	SHEET NO.
U-2826A	10
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 19849 ENGINEER — JOHN D. THOMAS — 12/3/09

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 16500 ENGINEER — RANDALL G. HENEGAR — 12-3-09

REVISIONS 8/17/99

-SBDET-

PI Sta 56+94.03	PI Sta 61+42.30
Δ = 8° 57' 55.4" (RT)	Δ = 8° 57' 55.3" (LT)
D = 2° 00' 00.0"	D = 2° 00' 00.0"
L = 448.27'	L = 448.27'
T = 224.59'	T = 224.59'
R = 2,864.79'	R = 2,864.79'
SE = SEE PLANS	SE = SEE PLANS

-DRITEMP-

PI Sta 13+63.79	PI Sta 14+98.00
Δ = 5° 07' 35.0" (RT)	Δ = 5° 07' 35.0" (LT)
D = 3° 49' 11.0"	D = 3° 49' 11.0"
L = 134.21'	L = 134.21'
T = 67.15'	T = 67.15'
R = 1,500.00'	R = 1,500.00'

-NBXDET2-

PI Sta 11+55.49	PI Sta 14+65.99
Δ = 7° 45' 45.6" (RT)	Δ = 7° 45' 44.6" (LT)
D = 2° 30' 00.0"	D = 2° 30' 00.0"
L = 310.51'	L = 310.50'
T = 155.49'	T = 155.49'
R = 2,291.83'	R = 2,291.83'

NOTE : SEE SHEET 14 FOR PROFILE -SBDET-
SEE SHEET 15 FOR PROFILE -NBXDET2-
SEE SHEET 17 FOR PROFILE -DRITEMP-

TEMPORARY DETOUR SHEET ONLY

NAD 83

MATCHLINE STA. 55+00 SEE SHEET NO. 9

ROYSTER-CLARK AGRIBUSINESS, INC. (10)

-DRITEMP- PRC Sta. 14+30.85

-DRITEMP- PT Sta. 15+65.06

-DRITEMP- POT Sta. 16+66.62= -L- POT Sta. 58+59.74 (141.99' LT)

END CONST. -DRITEMP- STA. 16+13.00

-SBDET- PRC Sta. 59+17.71

56+18 -L- 200'

57+05 -L- 168'

57+50 -L- 176'

56+65 -L- 170'

58+40.00 -L- 85.35' LT. & 125.50'

58+75.00 -L- 85.35' 125.50' & 155'

NC STATE HIGHWAY COMMISSION

N 33° 48' 56.0" W

-SBDET- INC.

N 33° 48' 58.9" W

-L-

-NBXDET2- PC Sta. 10+00.00 = -L- POT Sta. 57+80.92 (8.50' LT)

MTL RECYCLING HOLDING AREA

RECYCLING INDUSTRIES OF WINSTON-SALEM (9)

END SOUTHBOUND DETOUR -SBDET- PT Sta. 63+65.97= -L- POT Sta. 64+00.02 (40' LT)

WASTE MANAGEMENT OF CAROLINAS INC. (8)

2 DIESEL PUMPS

-NBXDET2- PRC Sta. 13+10.51

-L- PC Sta. 64+02.32

NORTHBOUND DETOUR -NBXDET2- PT Sta. 12+00.00 = -L- POT Sta. 64+00.02 (33.5' RT)

"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 34187.1.22 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 12 day of March, 2010

Secretary to Board of Transportation

02-DEC-2009 13:52
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