

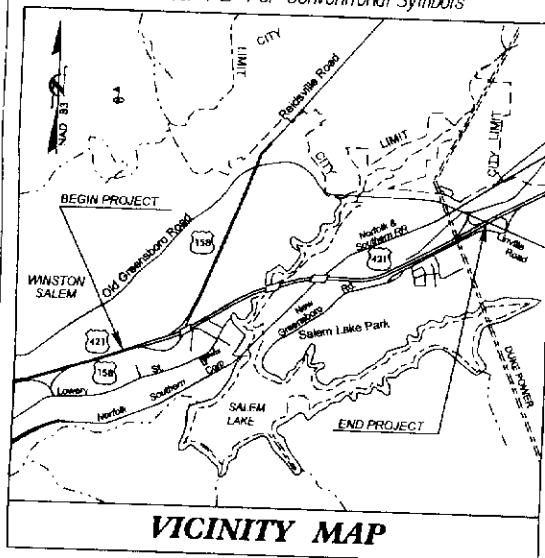
Meredith Britt NC Dept Transp. Right of Way 1546 Mail Service Ctr. Raleigh NC 27699

680

R-0952A

PROJECT: 8.1621204

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



VICINITY MAP

BEGIN STATE PROJECT No. 8.1621204
BEGIN F.A. PROJECT No. STPNHS-421(21)
-WBL- POT Sta. 9+20.000
-EBL- POT Sta. 9+20.030

BEGIN BRIDGE
Sta. 14+60.348 -WBL

BEGIN BRIDGE
Sta. 14+38.095 -EBL

BEGIN BRIDGE
Sta. 22+40.175 -WBL

BEGIN BRIDGE
Sta. 22+13.176 -EBL

PROJECT

8.1621203

R-0952

END STATE PROJECT No. 8.1621204

END F.A. PROJECT No. STPNHS-421(21)

-WBL- POT Sta. 43+00.000

-EBL- POT Sta. 43+00.792

PRIMARY ROAD

US 421 I-40 Business

CONNECTING ROADS

US 158 SR-2662

BEGIN BRIDGE
Sta. 27+49.500 -WBL

END BRIDGE
Sta. 23+59.824 -WBL

END BRIDGE
Sta. 23+32.824 -EBL

END WBL PAVING
WBL STA. 4+80.000

END EBL PAVING
EBL STA. 4+80.792

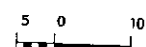
END CONSTRUCTION
STA. 44+60.099 -WBL

BEGIN CONSTRUCTION
STA. 8+28.349 -WBL

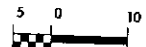
END BRIDGE
Sta. 15+11.448 -WBL

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

GRAPHIC SCALE



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

DESIGN DATA

ADT 2002 = 56,100 vpd

ADT 2025 = 32,000 vpd

DHV = 10 %

D = 60 %

T = 6 %

V = 100 km/h

* TTST 4 % DUAL 2 %

PROJECT LENGTH

LENGTH ROADWAY F.A. PROJECT No. STPNHS-421(21) = 3.135 km

LENGTH STRUCTURES F.A. PROJECT No. STPNHS-421(21) = 0.246 km

TOTAL LENGTH STATE PROJECT No. 8.1621204 = 3.381 km

NOTE: -EBL- USED TO DETERMINE PROJECT LENGTH

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh, NC 27610

2002 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
OCTOBER 27, 2000

LETTING DATE:
JUNE 18, 2002

JAMES A. SPEER, PE
PROJECT ENGINEER

JOHN C. LANSFORD, PE
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER



ROADWAY DESIGN
ENGINEER



DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

D.M. Barbour, P.E.
STATE DESIGN ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR

DATE

FORSYTH CO., NC FEE \$ 14.00
PRESENTED & RECORDED: 07/22/2002 1:07PM
DICKIE C. WOOD REGISTER OF DEEDS BY-POINTE
BK 1 P 660 - P 692

Signature

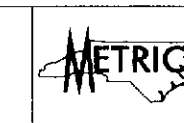
NAD 83

As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of the final plans for Project 8.1621203 R-0952A. The said plan sheet having been approved and adopted by the Board of Transportation and identified as such on the minutes of the 11 day of July, 2002, Board of Transportation meeting held in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 15 day of July, 2002.

Secretary to Board of Transportation

681

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS



PROJ. REFERENCE NO.
R-0952A

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	---WC---
Exist. Guardrail	--- ---
Prop. Guardrail	--- ---
Exist. Cable Guiderail	--- ---
Prop. Cable Guiderail	--- ---
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	○C
Prop. Control of Access Line	○C
Exist. Easement Line	---
Prop. Temp. Construction Easement Line	---E---
Prop. Temp. Drainage Easement Line	---TDF---
Prop. Perm. Drainage Easement Line	---PDE---

HYDROLOGY

Stream or Body of Water	---
River Basin Buffer	BZ
Flow Arrow	→
Disappearing Stream	Y
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	---

STATE OF NORTH CAROLINA • COUNTY OF WAKE

1-3 routes of the Board of Transportation, I do hereby certify that this is a true and correct copy of the final plans for Project R-0952A, being approved and adopted by the Board of Transportation and identified as to the minutes of the 11 day of July, 2012. Board of Transportation my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of July, 2012.

Secretary to Board of Transportation

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.*)	---ZUTL---
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 U/G Record	ATTUR
End of Information	E.O.I.

BOUNDARIES & PROPERTIES

State Line	---
County Line	---
Township Line	---
City Line	---
Reservation Line	---
Property Line	---
Property Line Symbol	PL
Exist. Iron Pin	⊕
Property Corner	+
Property Monument	ECM
Property Number	123
Parcel Number	6
Fence Line	---X X X---
Existing Wetland Boundaries	---WLB---
Proposed Wetland Boundaries	---WLB---
Existing Endangered Animal Boundaries	---FAB---
Existing Endangered Plant Boundaries	---EPB---

BUILDINGS & OTHER CULTURE

Buildings	---
Foundations	---
Area Outline	---
Gate	---
Gas Pump Vent or U/G 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	⊕
Paved Walk	---
Bridge	---
Box Culvert or Tunnel	---
Ferry	---
Culvert	---
Footbridge	---
Trail, Footpath	---
Light House	---

VEGETATION

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

RAILROADS

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

682

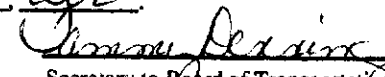
PROJECT REFERENCE NO.	SHEET NO.
R-0952A	3-K

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
1	4, 5	DELTA VISIONS, INC.
2	4	NAEGELE OUTDOOR ADVERTISING, INC.
3	6	ROBERT L. FOX A/W RUTH G. FOX
4	6, 7	GLEN O. JACKSON, ET AL (AMP INC.)
5	6, 7, 8	CITY OF WINSTON SALEM
6	7, 8, 9	CITY OF WINSTON SALEM
8	8, 9	WAYNE J. BRANCH
9	9	W. AVALON POTTS
9A	10	CITY OF WINSTON SALEM
10	9, 10	PEPSI BOTTLING VENTURES, LLC
11	11	PEPSI BOTTLING VENTURES, LLC

"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 3-K of the final plans for Project 8.1621203 R-0952A said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 6 to the minutes of the 11 day of July, 2002. Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 15 day of July, 2002.


Secretary to Board of Transportation

-WBL-

Pls Sta. 13+48.688	Pl Sta. 14+48.634	Pls Sta. 15+48.321
Gs = 2' 49" 59.9	$\Delta = 8' 47" 30.0$ (LT)	Gs = 2' 49" 59.9
Ls = 90.000	L = 130.634	Ls = 90.000
LT = 60.008	T = 68.954	LT = 60.008
ST = 30.007	R = 90.000	ST = 30.007
	SE = .05	
	RO = 90m	

P/ls Sta 10+33.340	P/ls Sta 11+08.682	P/ls Sta 11+81.264
$Gs = 3.27\ 05.6$	$\Delta = 16.05\ 48.8$ (LT)	$Gs = 3.27\ 05.6$
$Ls = 50.000$	$L = 16.592$	$Ls = 50.000$
$LT = 33.340$	$T = 58.682$	$LT = 33.340$
$ST = 16.672$	$R = 415.000$	$ST = 16.672$
	$SE = 0.08m/m$	
	$RO = 50.000$	

-Y/-

- FBI -

"STATE OF NORTH CAROLINA • COUNTY OF WAKE"

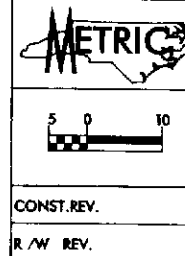
STATE OF NORTH CAROLINA • COUNTY OF WAKE"

PI Sta 13+76.450 Pls Sta 15+38.616
Δ = 16.41° 45.8' (LT) S 23.939°
L = 266.230
T = 134.073 of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of
Plan Sheet 60.008 of the final plans for Project 8.11621203 R-0952A
R = 910.000
SE = 0.15
RO = 90.000

main plan sheet having been approved and adopted by the Board of Transportation and identified as
Addendum 6 to the minutes of the 11 day of July, 2002, Board of Transportation
meeting on file in my office. IN TESTIMONY WHEREOF I have hereunto set my hand and the
PI Sta 12+4.05
Δ = 13° 42' 45.8" (LT) S 77.000°
L = 53.850
T = 27.05
R = 225.000

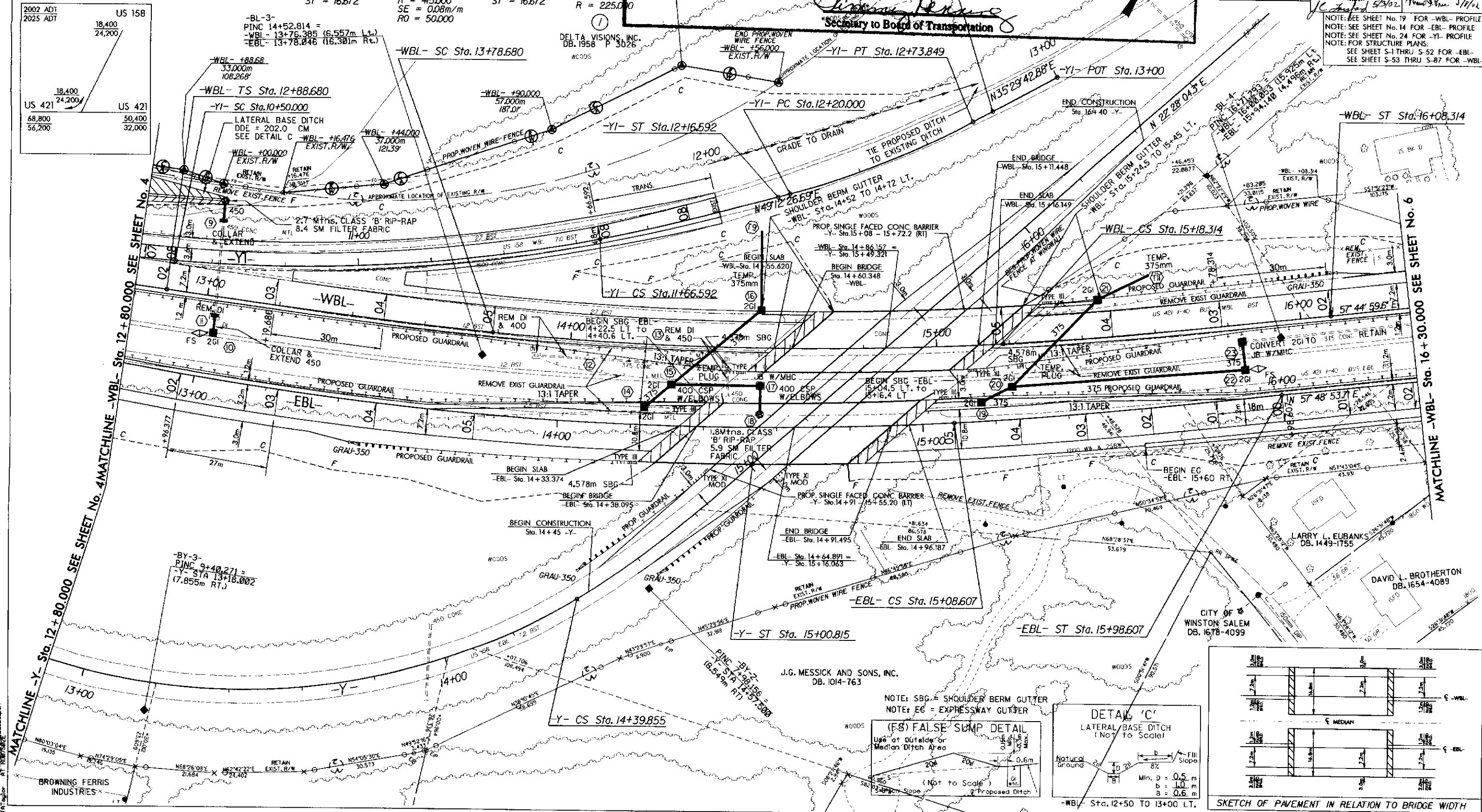
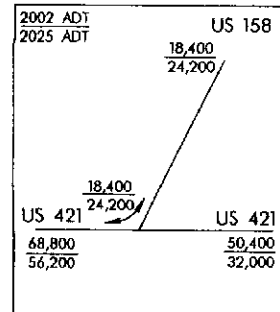
252.64
-YJ- POT Sta.12+80.000

Secretary to Board of Transportation

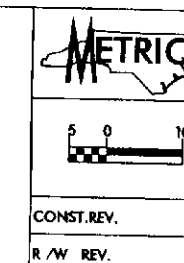


PROJECT REFERENCE NO.	SHEET NO.
R-0952A	5

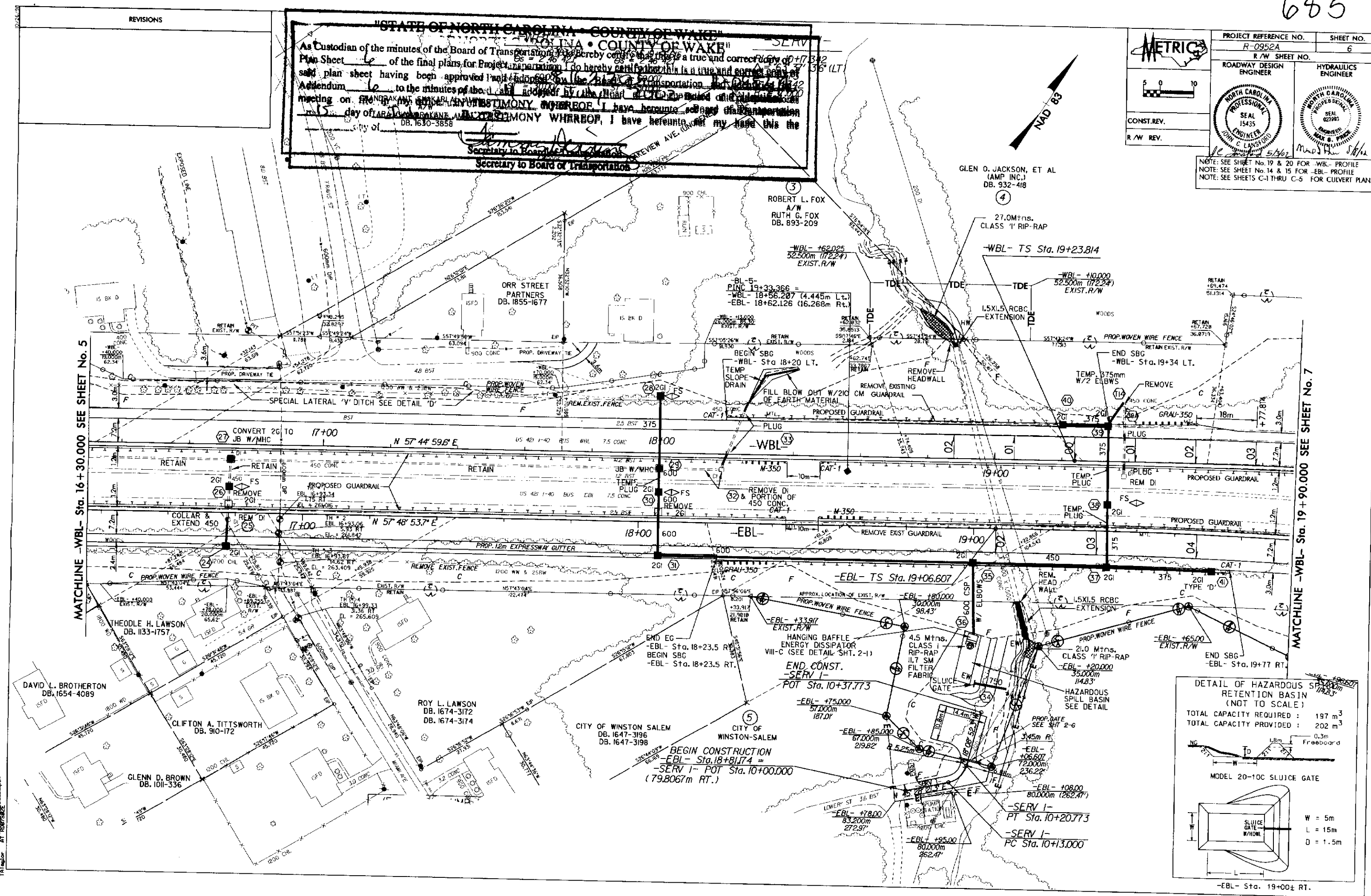
NOTE: SEE SHEET No. 19 FOR -WBL- PROFILE
NOTE: SEE SHEET No. 14 FOR -EBL- PROFILE
NOTE: SEE SHEET No. 24 FOR -YL- PROFILE
NOTE: FOR STRUCTURE PLANS:
SEE SHEET S-1 THRU S-52 FOR -EBL-
SEE SHEET S-53 THRU S-87 FOR -WBL-



"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
As Custodian of the minutes of the Board of Transportation, I hereby certify that this is a true and correct copy of
Plan Sheet 6 of the final plans for Project Interchange at I-85 & SR 908.
said plan sheet having been approved and adopted by the Board of Transportation, at its meeting on the 15
day of August, 1988.
In my testimony whereof, I have hereunto set my hand and the seal of said Board.
City of Raleigh, N.C., this 15 day of August, 1988.
[Signature]
Secretary to Board of Transportation
700 S.W. 2nd Ave., Suite 1000, Fort Lauderdale, FL 33304
SECRETARY TO BOARD OF TRANSPORTATION



PROJECT REFERENCE NO.		SHEET NO.	
R-0952A		6	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
<i>1C 5/14/02</i>		<i>MMS 5/14/02</i>	
NOTE: SEE SHEET NO. 19 & 20 FOR -WB/- PROFILE NOTE: SEE SHEET NO. 14 & 15 FOR -EB/- PROFILE NOTE: SEE SHEETS C-THRU C-5 FOR CULVERT PLAN			

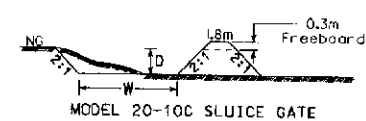


687

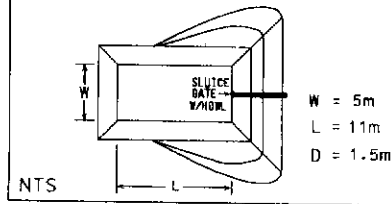
REVISIONS

DETAIL OF HAZARDOUS SPILL
RETENTION BASIN

TOTAL CAPACITY REQUIRED : 169 m³
TOTAL CAPACITY PROVIDED : 175.5 m³

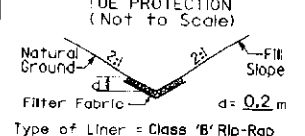


MODEL 20-10C SLUICE GATE



NTS

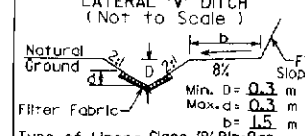
DETAIL 'A'
TOE PROTECTION
(Not to Scale)



Type of Liner = Class 'B' Rip-Rap

-EBL- Sta. 23+55 TO 24+00 RT.
-SERV2- Sta. 10+20 TO 11+25.5 RT.

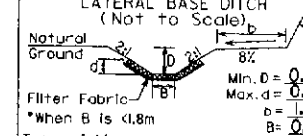
DETAIL 'G'
LATERAL 'V' DITCH
(Not to Scale)



Type of Liner = Class 'B' Rip-Rap

-EBL- Sta. 23+55 TO 24+00 RT.
-SERV2- Sta. 10+20 TO 11+25.5 RT.

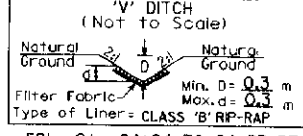
DETAIL 'H'
LATERAL BASE DITCH
(Not to Scale)



Type of Liner = Class 'B' Rip-Rap

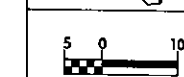
-EBL- Sta. 24+00 TO 24+25 RT.

DETAIL 'O'
'V' DITCH
(Not to Scale)



Type of Liner = Class 'B' Rip-Rap

-EBL- Sta. 24+04 TO 24+53 RT.

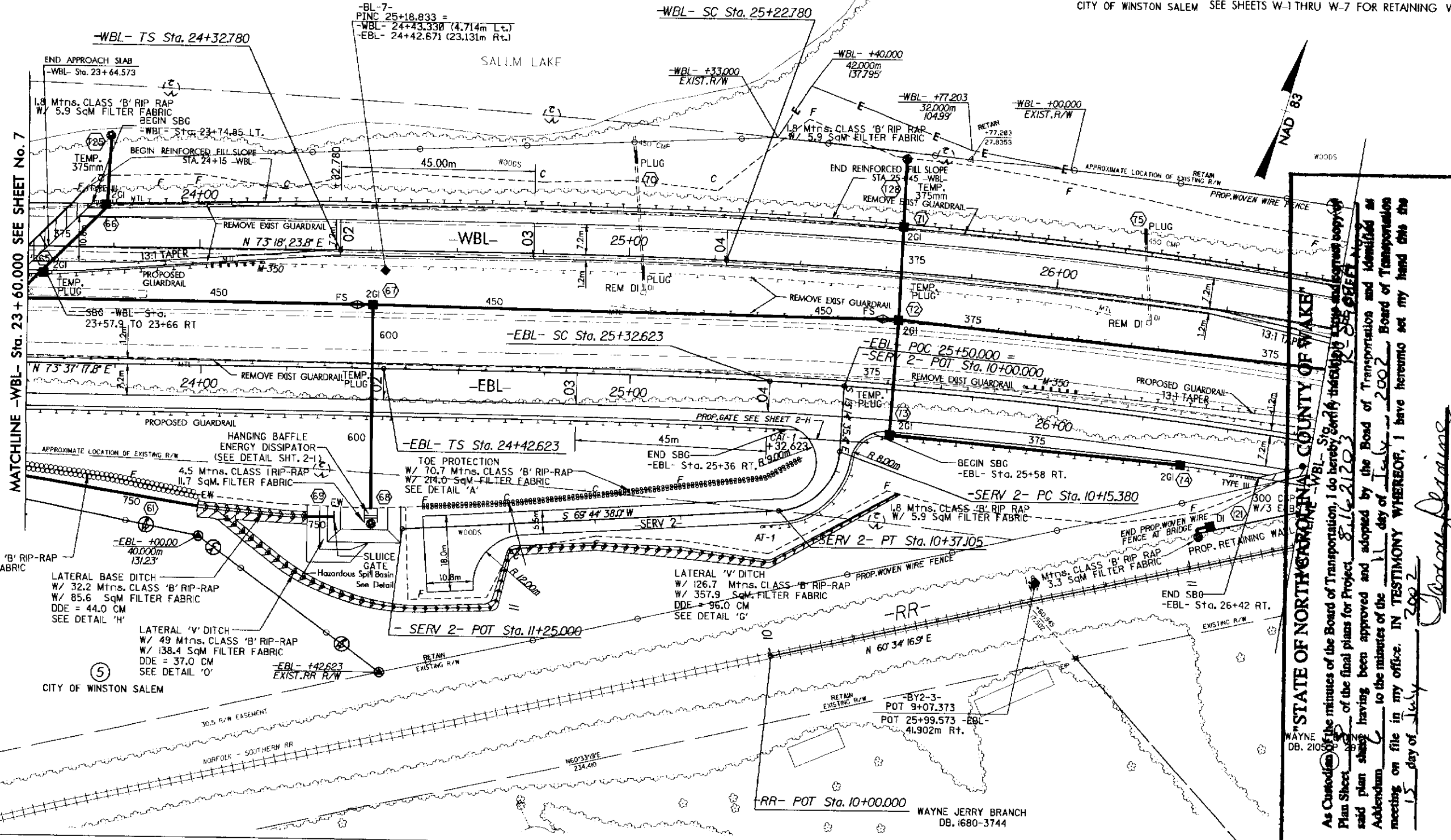


CONST. REV.

R/W REV.

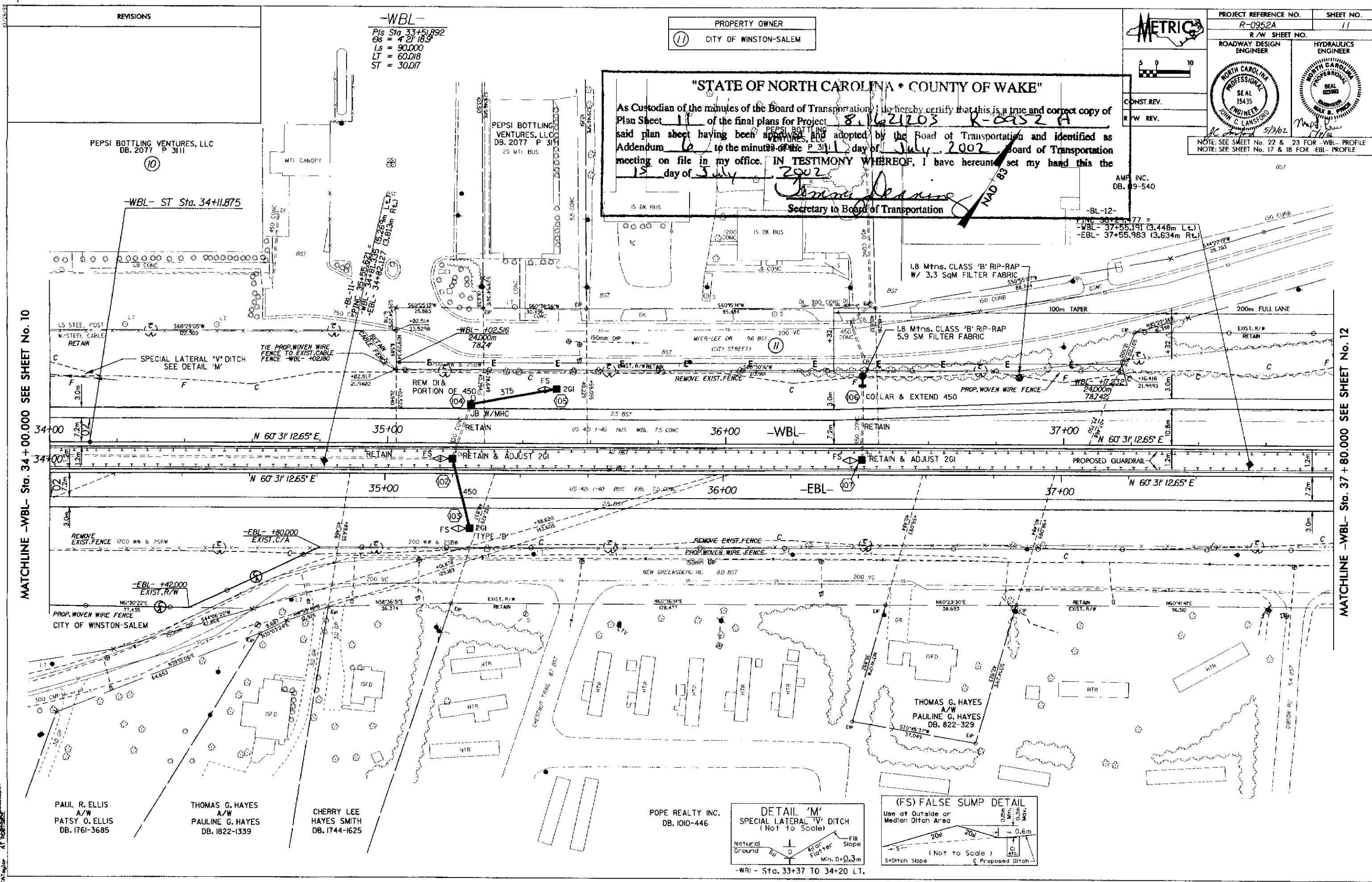
PROJECT REFERENCE NO. R-0952A
SHEET NO. 8
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL
154355
J. C. LANSFORD
ENGINEER
MAX S. PHILIP
NOTE: SEE SHEET No. 21 FOR -WBL- PROFILE
NOTE: SEE SHEET No. 16 FOR -EBL- PROFILE
NOTE: SEE SHEET No. 27 FOR -SERV2- PROFILE

FOR STRUCTURE PLANS:
SEE SHEETS S-150 THRU S-190 -WBL-
SEE SHEETS S-191 THRU S-226 -EBL-
CITY OF WINSTON SALEM SEE SHEETS W-1 THRU W-7 FOR RETAINING WALL PLANS



STATE OF NORTH CAROLINA - COUNTY OF WAKE
As Custodian of the minutes of the Board of Transportation, I do hereby certify that the following is a true and correct copy of the minutes of the Board of Transportation, held on the 15th day of July, 2002, at the Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this 15th day of July, 2002.
Wayne Jerry Branch
Secretary to Board of Transportation

690



MATCHLINE -WBL- Sta. 34 + 00.000 SEE SHEET No. 10

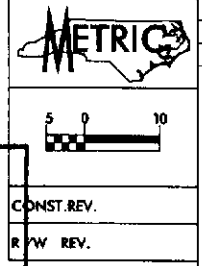
MATCHLINE -WBL- Sta. 37 + 80.000 SEE SHEET No. 12

REVISIONS

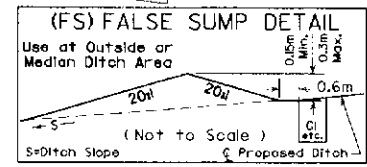
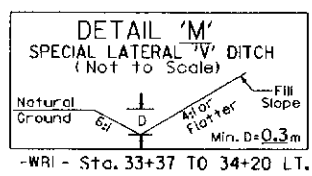
-WBL-
Pls Sta 33+51.892
G = 4.21 18.9
Ls = 90.000
LT = 60.018
ST = 30.017

PROPERTY OWNER
CITY OF WINSTON-SALEM

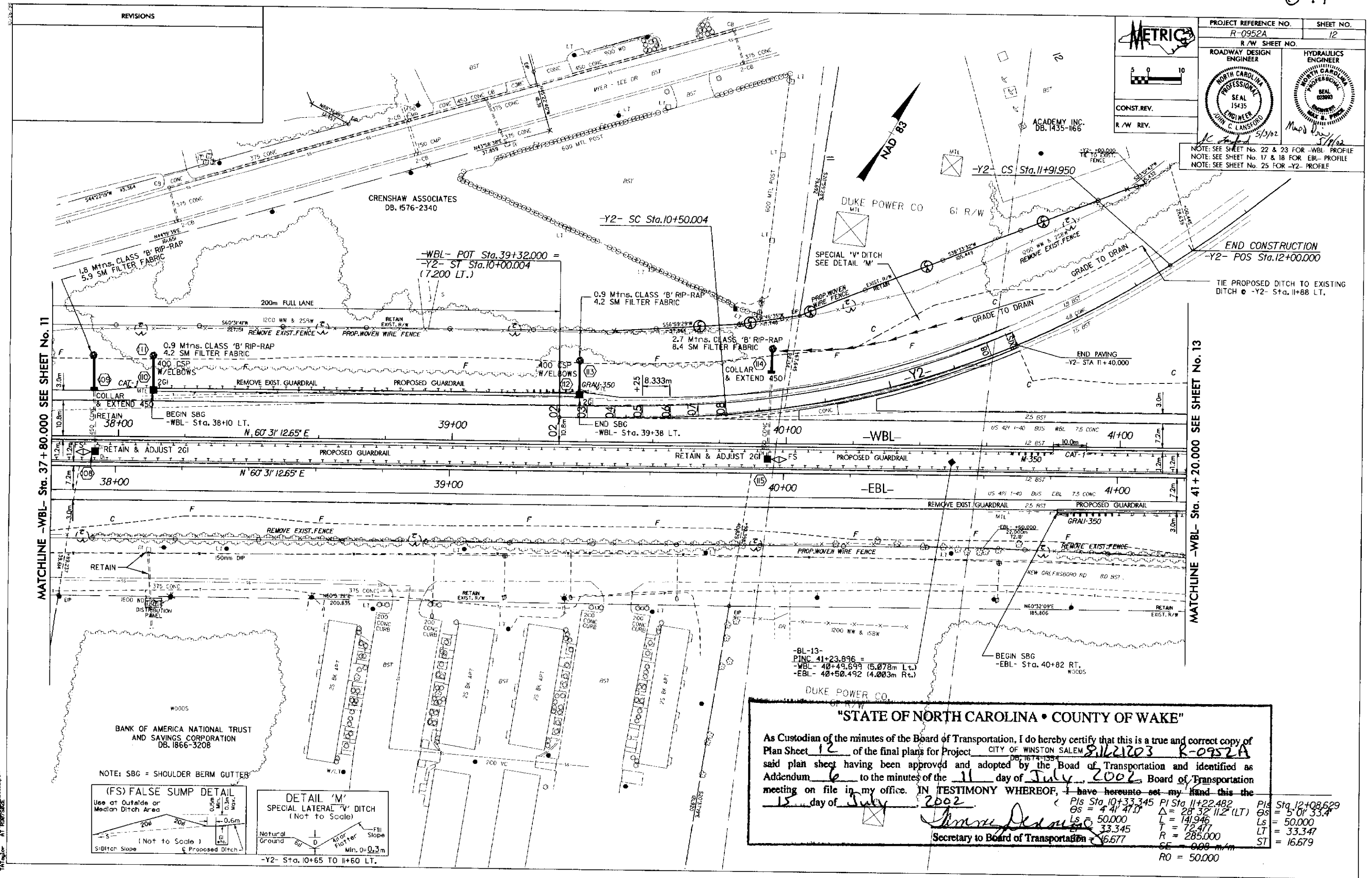
"STATE OF NORTH CAROLINA • COUNTY OF WAKE"
As Custodian of the minutes of the Board of Transportation, I do hereby certify that this is a true and correct copy of Plan Sheet 11 of the final plans for Project 8.16.21203 R-0452 A said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 6 to the minutes of the P 311 day of July 2002 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 19 day of July 2002
Secretary to Board of Transportation



PROJECT REFERENCE NO. R-0952A SHEET NO. 11
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 15435
NORTH CAROLINA PROFESSIONAL SEAL 02390
NOTE: SEE SHEET No. 22 & 23 FOR -WBL- PROFILE
NOTE: SEE SHEET No. 17 & 18 FOR -EBL- PROFILE



05-MAY-2002
TAT



PROJECT REFERENCE NO. R-0952A
SHEET NO. 12

ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER

CONST. REV.
R/W REV.

NOTE: SEE SHEET No. 22 & 23 FOR -WBL- PROFILE
NOTE: SEE SHEET No. 17 & 18 FOR -EBL- PROFILE
NOTE: SEE SHEET No. 25 FOR -Y2- PROFILE

"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 12 of the final plans for Project CITY OF WINSTON SALEM 81121203 R-0952A said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 6 to the minutes of the 11 day of July, 2002 Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 15 day of July, 2002.

[Signature]
Secretary to Board of Transportation

Pls Sta 10+33.345 PI Sta 11+22.482
Gs = 4' 41' 47.0" Δ = 28' 32' 11.2" (LT)
Ls = 50.000 L = 141.946
Ts = 33.345 Lt = 72.477
R = 285.000 ST = 16.679
SE = 0.008 m/m
RO = 50.000

692

REVISIONS



CONST. REV.
R/W REV.

PROJECT REFERENCE NO. R-0952A	SHEET NO. 13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NOTE: SEE SHEET No. 23 FOR -WBL- PROFILE NOTE: SEE SHEET No. 18 FOR -EBL- PROFILE NOTE: SEE SHEET 2-F FOR MEDIAN CROSSOVER DETAIL	

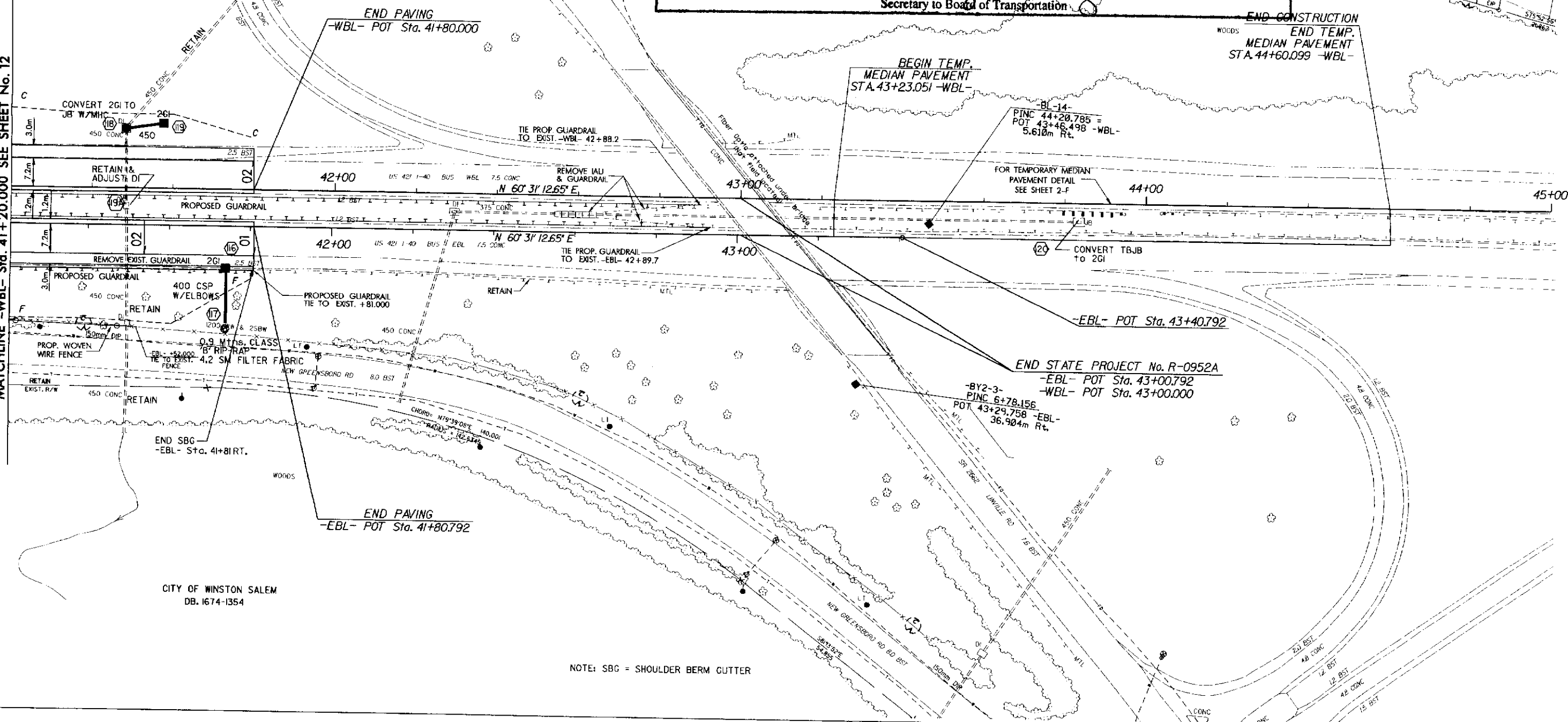
"STATE OF NORTH CAROLINA • COUNTY OF WAKE"

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 13 of the final plans for Project 8.16.210203 R-0952A said plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 6 to the minutes of the 11 day of July, 2002. Board of Transportation meeting on file in my office. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 15 day of July, 2002.

James Deering
Secretary to Board of Transportation

WATSON INDUSTRIES INC.
DB. 1840-3762
15 BK EUS

MATCHLINE -WBL- Sta. 41+20.000 SEE SHEET No. 12



CITY OF WINSTON SALEM
DB. 1674-1354

NOTE: SBC = SHOULDER BERM GUTTER

03-MAY-2002 ME
TAT:mec