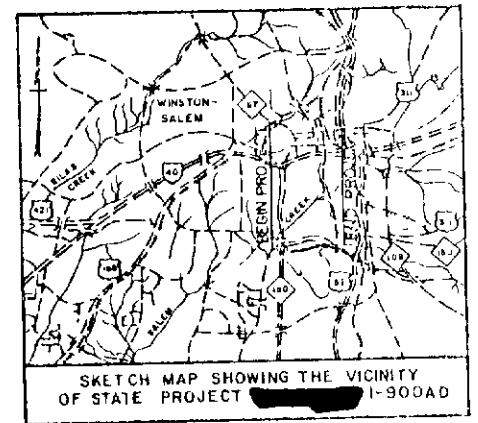


LD 11 1900 AD 381

STATE	STATE PROJECT REFERENCE NO	SHEET NO	TOTAL SHEETS
N C	[REDACTED]	1	
	81620402		R/W

1 SHEET FOR INDEX OF SHEETS



PROJECT NO	ROAD NUMBER
81620402	US 52 & NC 8
	H-40, NC 150 (PETERS CREEK PKWY)
	NC 150 (SILAS CREEK PKWY) ANNE AVE
	WARREN AVE, CLISTER DR, CORPORATION PKWY
	BUCHANAN ST, WOODVALE DR, ELLERBE DR
	KONDOAK DR, HOLLYWOOD ST, BROOKLINE ST
	DEVONSHIRE ST, EDGEWOOD CR, LEMLY ST
	STICKTON ST, ALLEN ST, PATRICK ST
	TRADE MART BLVD, OAKLAND ST
	SR 1528, SR 3013, SR 2456 (MAIN ST)
	SR 3011 (OLD SALISBURY RD)

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FORSYTH COUNTY

LOCATION: I-40 WEST OF PETERS CREEK PARKWAY TO EXISTING CORPORATION PARKWAY

TYPE OF WORK: GRADING, DRAINAGE, PAVEMENT, STRUCTURES, CULVERTS, FENCING, NOISE WALL, THERMOPLASTIC AND SNOWPLOWABLE PAVEMENT MARKINGS

LENGTH OF ROADWAY F.A. PROJECT [REDACTED] 1.422 MILES
LENGTH OF STRUCTURES F.A. PROJECT [REDACTED] 0.049 MILES
LENGTH OF STATE PROJECT [REDACTED] 1.471 MILES

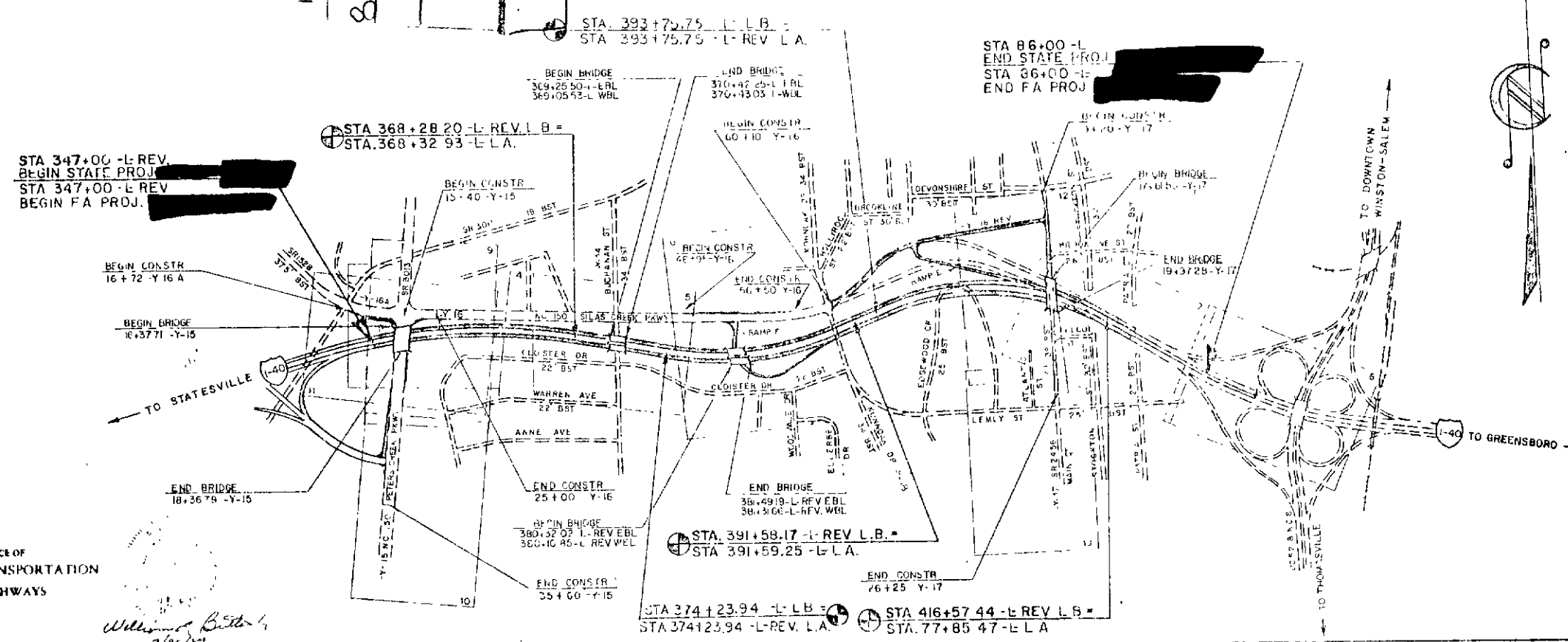
CONVENTIONAL SYMBOLS

- Country Line
- City or Town Line
- Exist. Right of Way Line & Marker
- Prop. Right of Way Line & Marker
- Survey Line
- Property Line
- Exist. Fence
- Proposed Road
- Existing Road
- Railroad
- Control of Access Line
- Slope Stake Line
- Bridge
- Culvert
- Woods
- Telephone or Telegraph Pole
- Tower Pole and Line
- Power Pole
- Easement Line
- Temporary Silt Fence
- Guard Rail
- Sanitary Sewer Line
- Water Line
- Gas Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Pavement Removal
- Proposed Paved Shoulder
- Equality
- Wheelchair Ramp

GRAPHIC SCALES

DESIGN DATA

AD 1986 = 35,200 TO 41,200
AD 2006 = 62,100 TO 72,100
D 11%
D 62%
D 16%
V 70 MPH



PREPARED IN OFFICE OF
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

PLANS PREPARED BY RUMMEL, KLEPPER & KAIL
5800 FARINGTON PLACE - SUITE 105
RALEIGH, NORTH CAROLINA 27609
CONTACT: R E PEARSON - CONSULTANT COORDINATING ENGINEER

LETTING DATE: JULY 18, 1989

1984 STANDARD SPECIFICATIONS

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

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

APPROVED [Signature] ROADWAY DESIGN

APPROVED [Signature] HYDRAULIC DESIGN

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

APPROVED [Signature] STATE HIGHWAY ENGINEER-DESIGN

APPROVED [Signature] CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED [Signature] DIVISION ADMINISTRATOR

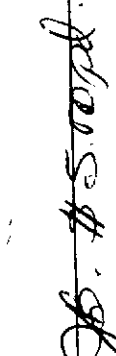
DATE 11/2/89

58.11 1034 1189

DEPARTMENT OF TRANSPORTATION

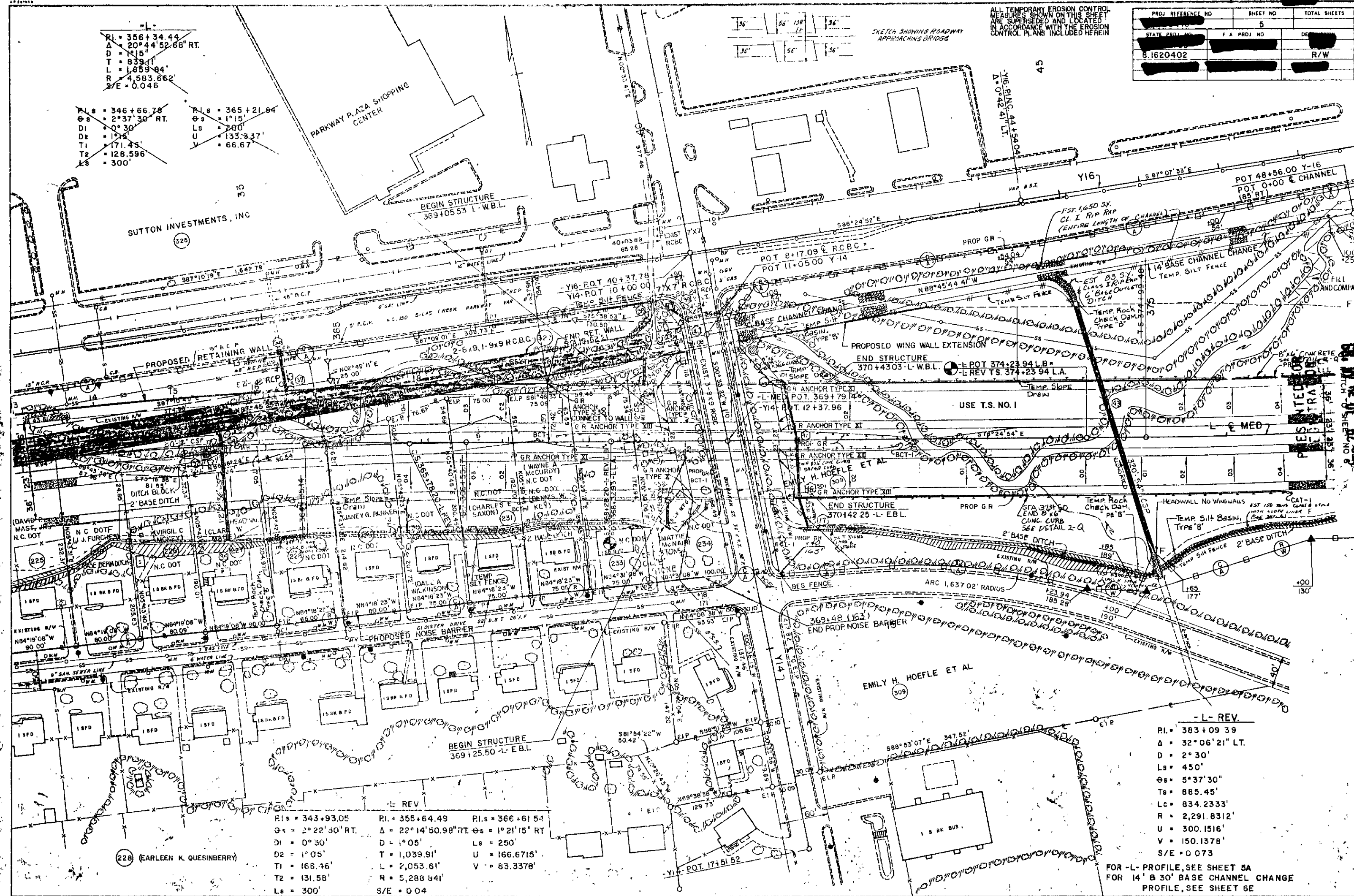
Pauline [Signature]
IS a member of Board of Transportation

Pauline [Signature]
81620402
1989 Board of Transportation meeting held on 11/2/89
my name this the 14 day of AUGUST 1989



"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
 I, Maureen Wiley, do hereby certify that this is a true and correct copy
 of Plan Sheet 4 of the final plans for Project 8-1620402. Identified as
 Addendum 2 to the submission file in my name of the 4 day of AUGUST
1989. Board of Traffic and Transportation meeting in TESTIMONY WHEREOF, I have hereunto set
 my hand, this the 14 day of AUGUST, 1989.

Custodian of Minutes of Board of Traffic and Transportation



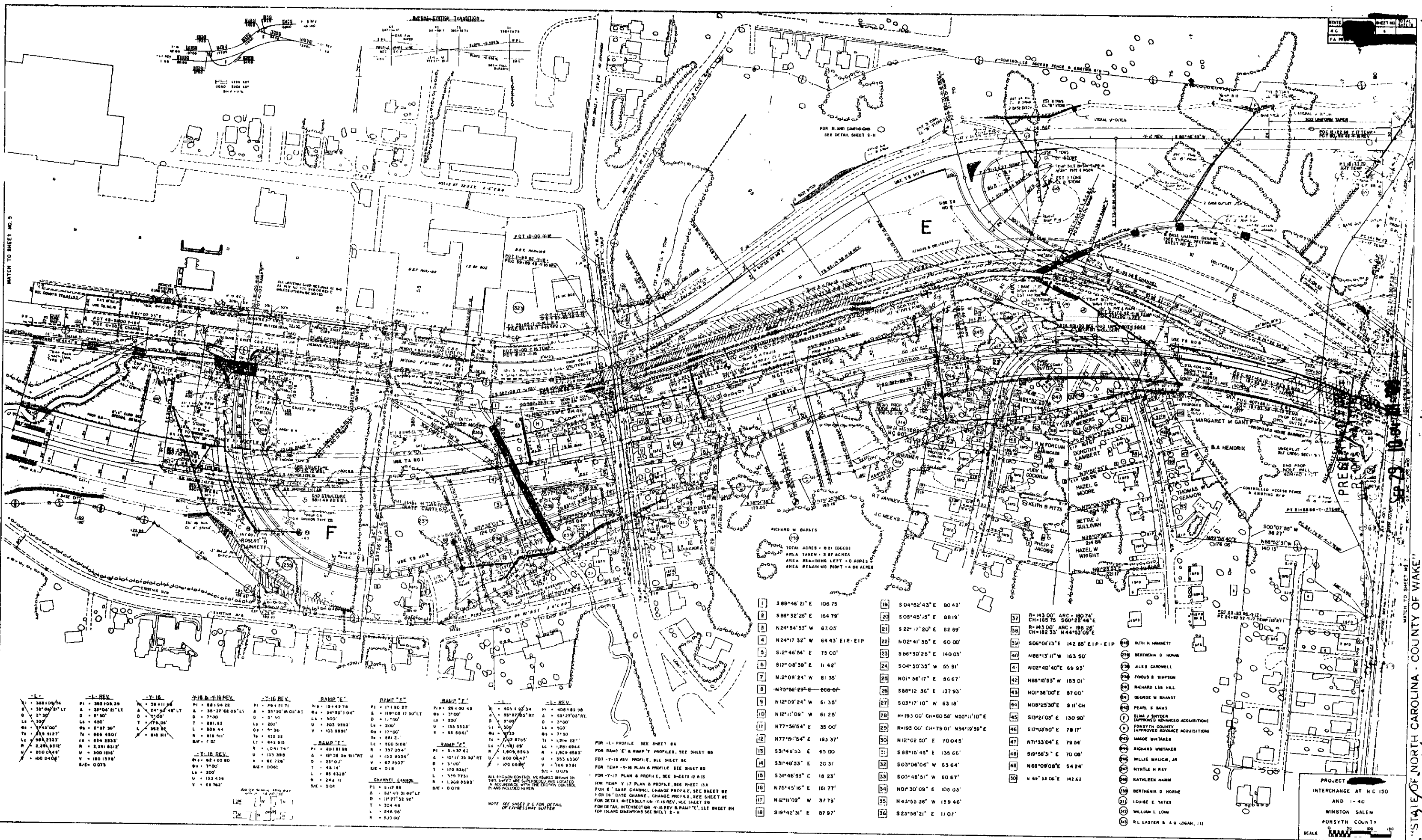
PROJ REFERENCE NO	SHEET NO	TOTAL SHEETS
8.1620402	5	10
STATE PROJ NO	F A PROJ NO	DEPT
8.1620402		R/W

RI = 383+09.39	RI = 355+64.49	RI = 366+61.51
Δ = 32°06'21" LT.	Δ = 22°14'50.98" RT.	Δ = 1°21'15" RT
D = 2°30'	D = 1°05'	D = 250'
L = 450'	L = 1,039.91'	L = 166.6715'
ΔS = 5°37'30"	T = 1,039.91'	U = 83.3378'
T = 885.45'	L = 2,053.61'	V = 83.3378'
LC = 834.2333'	R = 5,288.44'	
R = 2,291.8312'	S/E = 0.04	
U = 300.1516'		
V = 150.1378'		
S/E = 0.073		

FOR -L- PROFILE, SEE SHEET 5A
FOR 14' B 30' BASE CHANNEL CHANGE
PROFILE, SEE SHEET 5E

STATE OF NORTH CAROLINA - COUNTY OF WAKE
I, Emily H. Hoefle, do hereby certify that this is a true and correct copy of the final plans for Project 8.1620402, identified as TER OF DEEP of the 14' B 30' BASE CHANNEL CHANGE of the 14 day of AUGUST, 19 87. Board of Transportation meeting, IN TESTIMONY WHEREOF, I have hereunto set my hand this the 14 day of AUGUST, 19 87.

Emily H. Hoefle
Custodian of Minutes of Board of Transportation



STATE OF NORTH CAROLINA - COUNTY OF WAKE
Interchange at NC 150 and US 421
DEPARTMENT OF TRANSPORTATION
PLANNING DIVISION
August 1987

Interchange at NC 150 and US 421
August 1987
Custodian of Minutes of Board of Transportation
5.03

STATE OF NORTH CAROLINA - COUNTY OF WAKE
Interchange at NC 150 and US 421
DEPARTMENT OF TRANSPORTATION
PLANNING DIVISION
August 1987

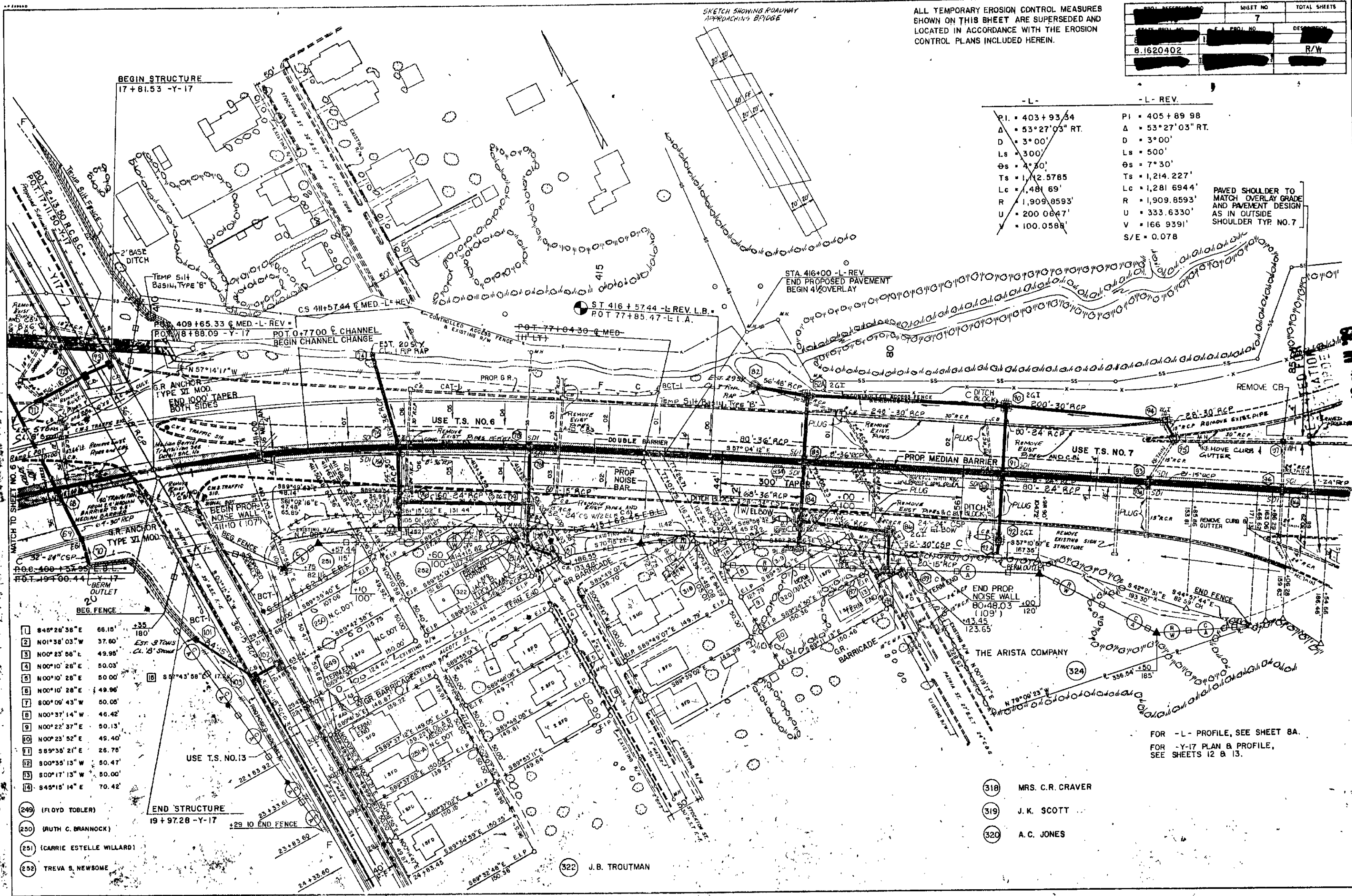
of Plan Sheet 81.6.20402, identified as 81.6.20402, to the minutes on file in my office of the 4 day of August 1987, Board of Transportation meeting, IN TESTIMONY WHEREOF, I have hereunto set my hand this the 14 day of August, 1987.

ALL TEMPORARY EROSION CONTROL MEASURES SHOWN ON THIS SHEET ARE SUPERSEDED AND LOCATED IN ACCORDANCE WITH THE EROSION CONTROL PLANS INCLUDED HEREIN.

PROJECT NO.	SHEET NO.	TOTAL SHEETS
8.1620402	7	
DATE	BY	DESIGNATION
8.1620402		R/W

-L-	-L-REV.
PI = 403+93.34	PI = 405+69.98
Δ = 53°27'03" RT.	Δ = 53°27'03" RT.
D = 3°00'	D = 3°00'
Ls = 300'	Ls = 500'
Os = 4°30'	Os = 7°30'
Ts = 1,12.5785	Ts = 1,214.227'
Lc = 1,481.69'	Lc = 1,281.6944'
R = 1,909.8593'	R = 1,909.8593'
U = 200.0647'	U = 333.6330'
V = 100.0588'	V = 166.9391'
	S/E = 0.078

PAVED SHOULDER TO MATCH OVERLAY GRADE AND PAVEMENT DESIGN AS IN OUTSIDE SHOULDER TYP NO.7



- 1 84°28'38" E 66.15'
- 2 N01°38'03" W 37.60'
- 3 N00°23'58" E 49.98'
- 4 N00°10'28" E 50.03'
- 5 N00°10'28" E 50.00'
- 6 N00°10'28" E 49.96'
- 7 S00°09'43" W 50.08'
- 8 N00°37'14" W 46.42'
- 9 N00°22'37" E 50.13'
- 10 N00°23'52" E 49.40'
- 11 S89°35'21" E 28.78'
- 12 S00°35'13" W 50.47'
- 13 S00°17'13" W 50.00'
- 14 S45°15'14" E 70.42'

- (249) FLOYD TOBLER
- (250) RUTH C. BRANNOCK
- (251) CARRIE ESTELLE WILLARD
- (252) TREVA S. NEWSOME

- (318) MRS. C.R. CRAVER
- (319) J.K. SCOTT
- (320) A.C. JONES

(322) J.B. TROUTMAN

FOR -L- PROFILE, SEE SHEET 8A.
FOR -Y-17 PLAN & PROFILE, SEE SHEETS 12 & 13.

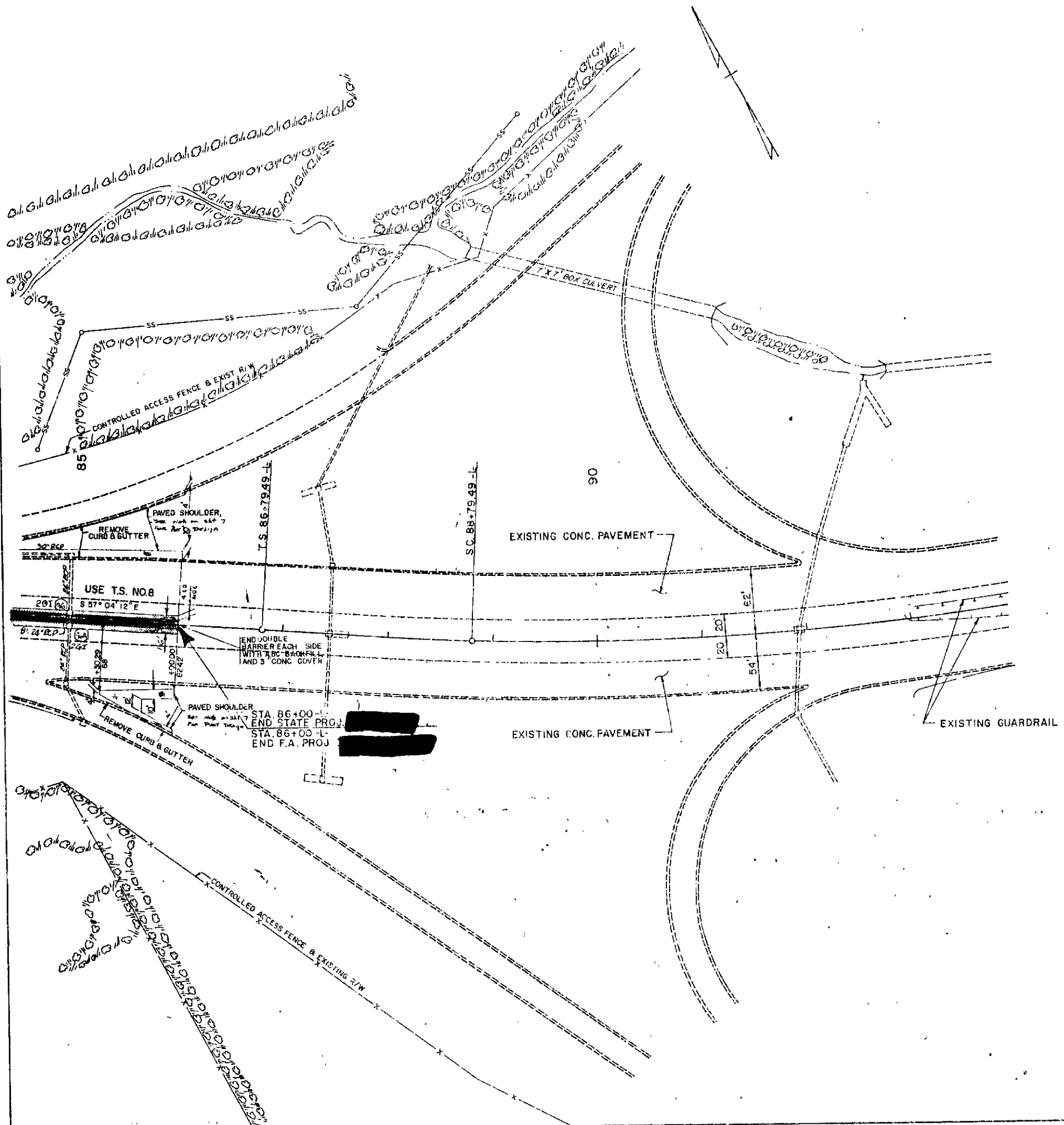
"STATE OF NORTH CAROLINA, COUNTY OF WAKE"

I, Melvin Light, do hereby certify that this is a true and correct copy of the final plans for Project 8.1620402, identified as ROADWAY IMPROVEMENTS AND EROSION CONTROL MEASURES FOR THE CITY OF WAKE, to the minutes on file in my office of the 14 day of AUGUST, 1989.

I, Melvin Light, Board of Transportation, in testimony whereof, I have hereunto set my hand this the 14 day of AUGUST, 1989.

Custodian of Minutes of Board of Transportation

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1620402	8	



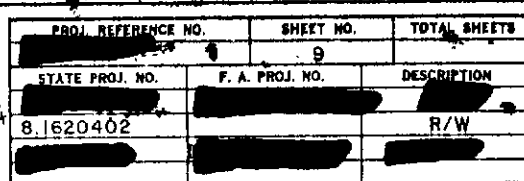
FOR -L- PROFILE, SEE SHEET 8A.

PRESENTED FOR
REGISTRATION
AND RECORDED
SEP 29 10 34 AM '88

"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 8.1620402, identified as WAKE COUNTY, to the minutes on file in my office of the 4 day of AUGUST, 1987, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 14 day of AUGUST, 1987.

REGISTERED
CUSTODIAN OF MINUTES OF BOARD OF TRANSPORTATION
Pauline Wright
Custodian of Minutes of Board of Transportation

386



"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
 I, Pauline Wang, do hereby certify that this is a true and correct copy
 of Plan Sheet 9 of the final plans for Project 8-1620402, identified as DEPARTMENT OF TRANSPORTATION
ADDITION to the minutes on file in my office of the 4 day of AUGUST, 1989.
 Addendum 8 to the minutes on file in my office of the 4 day of AUGUST, 1989.
 I, Pauline Wang, Board of Transportation meeting, IN TESTIMONY WHEREOF, I have hereunto set
 my hand this the 14 day of AUGUST, 1989.
Pauline Wang Custodian of Minutes of Board of Transportation

-Y-15 TEMP

PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1620402	9-A	R/W

PI = 346+66.78	PI = 356+34.44	PI = 365+21.84
Δ = 2°37'30" RT.	Δ = 2°44'52.88" RT.	Δ = 1°15'
D1 = 0°30'	D = 1°45'	Ls = 200'
D2 = 1°15'	T = 839.11'	U = 133.337'
T1 = 171.45'	L = 1,659.84'	V = 66.67'
T2 = 128.596'	R = 4,583.662'	
Ls = 300'	S/E = 0.046	

PI = 343+93.05	PI = 355+64.49	PI = 366+61.54
Δ = 2°22'30" RT.	Δ = 22°14'50.98" RT.	Δ = 1°21'15" RT.
D1 = 0°30'	D = 1°05'	Ls = 250'
D2 = 1°05'	T = 1,039.91'	U = 166.6715'
T1 = 168.46'	L = 2,053.61'	V = 83.3378'
T2 = 131.58'	R = 5,288.841'	
Ls = 300'	S/E = 0.04	

ALL TEMPORARY EROSION CONTROL MEASURES SHOWN ON THIS SHEET ARE SUPERSEDED AND LOCATED IN ACCORDANCE WITH THE EROSION CONTROL PLANS INCLUDED HEREIN.

TEMP -Y-15

PI = 0+76.45	PI = 7+14.42	PI = 12+42.36
Δ = 25°42'42.76" LT.	Δ = 55°57'59.92" RT.	Δ = 30°15'17.19" LT.
D = 17°06'11.58"	D = 20°50'05.38"	D = 17°06'11.58"
T = 76.45'	T = 146.12'	T = 90.56'
L = 150.33'	L = 268.62'	L = 176.90'
R = 335.00'	R = 275.00'	R = 335.00'

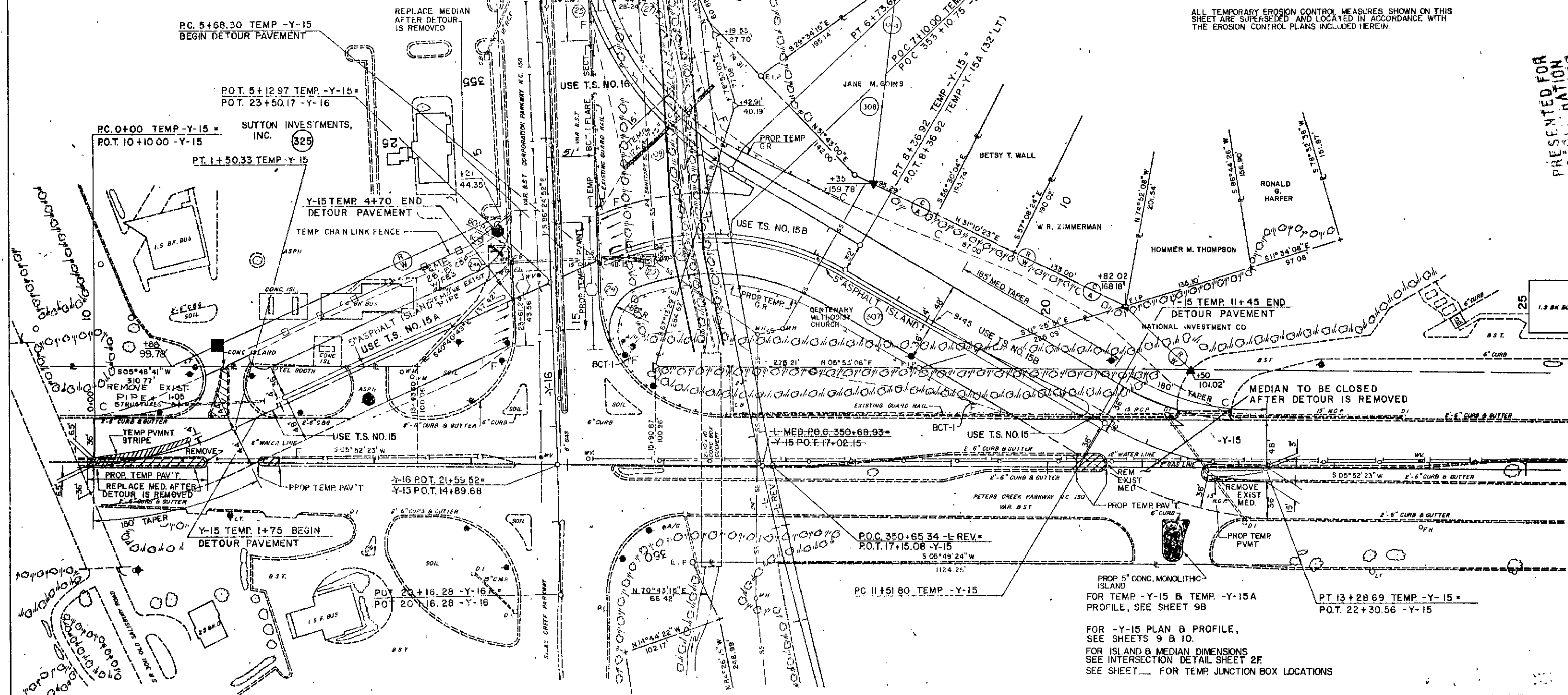
TEMP -Y-15 A

PI = 5+24.47	PI = 12+42.36
Δ = 57°27'27.76"	Δ = 30°15'17.19" LT.
D = 17°28'0.21"	D = 17°06'11.58"
T = 179.81'	T = 90.56'
L = 328.96'	L = 176.90'
R = 328.03'	R = 335.00'

○ CURB & GUTTER AND GUARDRAIL ARE TO BE REMOVED AND REPLACED AFTER DETOUR IS REMOVED

● DRIVEWAYS ARE TO BE CLOSED DURING TEMP. DETOUR ROAD OPERATION AND ARE TO BE RECONNECTED WHEN DETOUR ROAD IS REMOVED

■ THIS DRIVEWAY IS TO REMAIN OPEN DURING TEMP DETOUR OPERATION

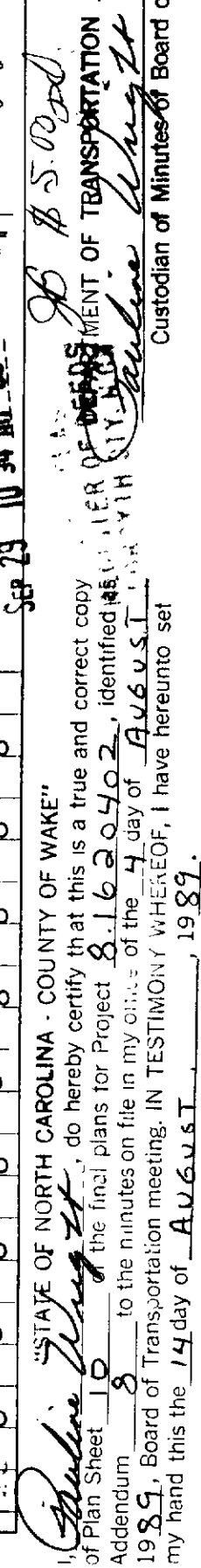


PRESENTED FOR
NATION
CLERK

STATE OF NORTH CAROLINA - COUNTY OF WAKE

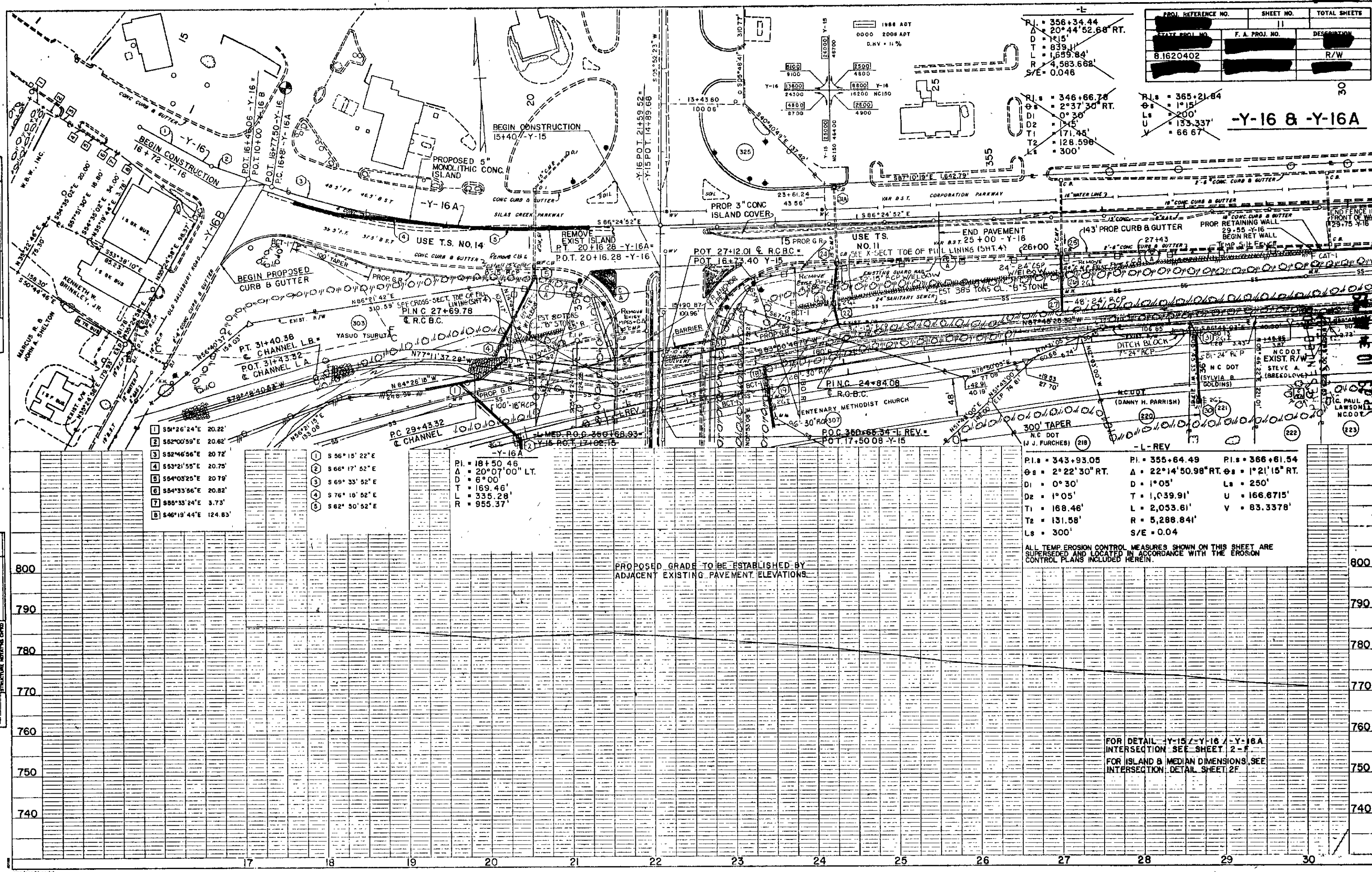
I, Pauline W. Wynn, do hereby certify that this is a true and correct copy of the final plans for Project 8.1620402, identified as Y-15 TEMP -Y-15, to the minutes on file in my office of the 4 day of August, 19 89, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 14 day of August, 19 89.

SEP 29 10 30 AM '89 \$5.00 per sheet
DEPARTMENT OF TRANSPORTATION
Custodian of Minutes of Board of Transportation



PLAN
DATE
BY
CHECKED
APPROVED

PROFILE
DATE
BY
CHECKED
APPROVED



PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1620402	11	30
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
		R/W

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
8.1620402	11	30
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
		R/W

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
I, Paul Lawson, do hereby certify that this is a true and correct copy of the final plans for Project 8.1620402, identified as INTERSECTION OF TRANSPORTATION, to the minutes on file in my office of the 14 day of AUGUST, 1989, Board of Transportation meeting, IN TESTIMONY WHEREOF, I have hereunto set my hand this the 14 day of AUGUST, 1989.
Custodian of Minutes of Board of Transportation



DEPARTMENT OF TRANSPORTATION

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
 of Plan Sheet 12 of August, do hereby certify that this is a true and correct copy
 Addendum: 8 to the minutes on file in my office of 8/16/20407, identified as
 19 87, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set
 my hand this the 14 day of AUGUST, 19 87.

-Y-17

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
81620402	13	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
		R/W

- 1 800°15' 13" W 49.15'
- 2 800°43' 47" W
- 3 800°15' 15" W
- 4 800°15' 13" W
- 5 800°15' 13" W 50.00'
- 6 800°11' 08" W
- 7 800°09' 38" W 50.00'
- 8 800°16' 03" W 49.98'
- 9 800°16' 46" W 50.00'
- 10 800°11' 08" W 50.00'

REPLACE SIDEWALK AND 2'-6" CURB AND GUTTER FROM STA 26+25 TO STA 26+73 RIGHT

PRESENTED FOR
REGISTRATION
AND RECORDED

SEP 29 10 34 AM '89

Custodian of Minutes of Board of Transportation

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

I, Shirley A. Wright, do hereby certify that this is a true and correct copy of the final plans for Project 8-1620402, identified as YTH CITY, Addendum 8, to the minutes on file in my office of the 14 day of AUGUST, 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 14 day of AUGUST, 1989.

PLAN
DATE
BY
CHECKED
NOTED
DATE

PROFILE
DATE
BY
CHECKED
NOTED
DATE

