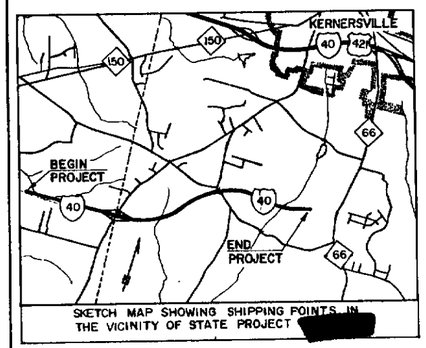
409

I-900 BB

I-900 BB

PROJECT:

SEE SHEET 1-A FOR INDEX OF SHEETS



ROAD NUMBER	PROJECT NO.
I-40, PECAN LN, KENOSHA DR	8.1620403
SR 2678 (OAK GROVE RD), SR 3833 (LAKE WILLET DR)	
SR 2643 (UNION CROSS RD), SR 2880 (SOLOMAN DR), SR 2632 (OLD SALEM RD)	
SR 2837 (GLENVIEW DR), SR 2632 (OLD SALEM RD)	
SR 2637 (GLENWOOD RD)	

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FORSYTH COUNTY

LOCATION: I-40 BYPASS FROM 425 FT. EAST OF OAK GROVE ROAD (SR 2678) EASTERLY TO 2300 FT. WEST OF NC 66.

TYPE OF WORK: GRADING, DRAINAGE, STRUCTURES, PAVING, FENCING, GUARDRAIL, LONG LIFE PAVEMENT MARKING, SIGNING.

STATE	STATE PROJECT REFERENCE NO	SHEET NO.	TOTAL SHEETS
N.C.	[redacted]	1	
8.1620403	[redacted]	R/W	

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

LENGTH ROADWAY F. A. PROJECT	[redacted] 3.589 MI.
LENGTH STRUCTURES F. A PROJECT	0.009 MI.
TOTAL LENGTH STATE PROJECT	3.598 MI.

PLANS PREPARED BY: FLORENCE & HUTCHESON, INC. and ROADWAY DESIGN
PROJ. ENGR- R. E. PEARSON, P. E.
PROJ. DESIGN ENGR.- J. F. GRZEBIEN

LETTING DATE: AUG. 15, 1989

1984 STANDARD SPECIFICATIONS

STATE OF NORTH CAROLINA / DIVISION OF HIGHWAYS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 14145 ROBERT E. PEARSON

Robert E. Pearson
ROADWAY DESIGN

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL

HYDRAULIC DESIGN

CONVENTIONAL SYMBOLS

County Line	
City or Town Line	
Exist. Right of Way Line & Marker	
Right of Way 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	(EXISTING) (PROPOSED)
Tower Pole and Line	
Power Pole	(EXISTING) (PROPOSED)
Easement Line	E E E
Temporary Silt Fence	
Guard Rail	
Sanitary Sewer Line	SS SS
Water Line	
Gas Line	GAS
Proposed Woven Wire Fence	
Proposed Chain Link Fence	
EQUALITY	
DITCH BLOCK	

GRAPHIC SCALES

PLANS 0 25' 50' 100' 150'

PROFILE (HORIZONTAL) 0 25' 50' 100' 150'

PROFILE (VERTICAL) 0 5' 10' 20' 30'

PLANS (SHEET NO. 1B & 2B) 0 50' 100' 200' 250'

DESIGN DATA

1986 ADT	23,500
2006 ADT	37,900
DHV	11%
D	62%
T	16%
V	70 MPH

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

APPROVED [signature] STATE HIGHWAY ENGINEER - Dr. SIBLEY

APPROVED [signature] CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED Ray C. Nelson 10/6/89 DATE
For DIVISION ADMINISTRATOR

STATE OF NORTH CAROLINA - COUNTY OF WAKE

I, [redacted], do hereby certify that this is a true and correct copy of Plan Sheet 9 - A to the final plans for Project 8.1620403, identified as Addendum No. 1 to the minutes on file in my office of the DEPARTMENT OF TRANSPORTATION ... Custodian of Minutes of Board of Transportation

19 89, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

[redacted]

PRESENTED FOR REGISTRATION OCT 16 4 29 PM '89

$5.00

410

JAMES A. MOTSINGER (428)

BOYD S. MOTSINGER (432)

EMMA LEE PARNELL (436)

W. A. HOLDER (402)

ERNEST W. ANGEL (427)

C. W. ANGEL JR. (429)

BILLY J. HODGES (431)

FLOYD ANGELL (430)

RALPH T. (44)

OAK GROVE RD. SR 2878

ANGEL RD. TO SOIL

EXIST. BERM DITCH

BEGIN BRIDGE STA. 18+73.20

END BRIDGE STA 20+76.35

-L- POT 406+75.06 -Y3- P.O.T. 19+72.86

END FUT. W.W FENCE BEG. PROP. W.W FENCE

END FUT. W.W FENCE BEG. PROP W.W FENCE

END FUT. CHL FENCE

PROPOSED ROCK CREEK DAM

PROPOSED FALSE CUT LT STA. 411+00 TO LT STA 412+00

PROPERTY CORNER

BM #117 60d NAIL S SIDE PINE 29 50' RT OF 161+30 -Y3- OAK GROVE RD EL. 919.61

PI 404+13 EL 918.34 VC 2030'

-2.1108%

+1.9071%

PROJ. REFERENCE NO. 8.1620403 | SHEET NO. 4 | TOTAL SHEETS

STATE OF NORTH CAROLINA, COUNTY OF WAKE

I, [illegible], a Notary Public for said County and State, certify that this is a true and correct copy of Plan Sheet No. 4 of 4 Plan Sheets, Project No. 8.1620403, Addendum No. [illegible] as approved by the Board of Transportation at its meeting held on the 12th day of September, 1989, and recorded in the minutes of the Board of Transportation. Witness my hand this the 12 day of September, 1989.

PRESENTED FOR REGISTRATION AND RECORDED

DEC 16 4 23 PM '89

Custodian of Minutes of Board of Transportation

411

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
[redacted]	5	
STATE PROJ. NO. [redacted]	F. A. PROJ. NO. [redacted]	DESCRIPTION R/W
8.1620403		

STA 425+23.77
BEGIN R/W PROJECT 8.1620403
BEGIN F.A. PROJECT [redacted]

STA 425+23.77
END R/W PROJECT 8.1620403
END F.A. PROJECT [redacted]

JAMES A. MOTSINGER (435)

DAVID J. SMITH (443)

BILLY G. WATSON (442)

RALPH. T KIGER (441)

PROPOSED DITCH LINER

PROPOSED ROCK CHECK DAM

EST 24.99 TONS STONE CLASS B

EST 40 TONS STONE CLASS B LINER

EST 762 TONS STONE CLASS B

CLASS B STONE EST 1 TON

LAT. V-DITCH LINED WITH FIBER GLASS ROVING

SLOPE STAKE LINE

PROP GUARDRAIL

12'67" PAVED SHOULDER

10' PAVED SHOULDER

4' PAVED SHOULDER

SEEPS

SEEP

LINE WITH CLASS 'B' STONE WITH FILTER CLOTH LINER

EST. 17.5 TONS

EST 44 TONS

EST. 9 TONS

HEADWALL (REMOVE)

PROPOSED BERM DITCH

V-DITCH

WOODS

PROP. 2' BASE DITCH

USE CLASS 'B' STONE IN BASE D/L EST 36 TONS

EST. 21 TONS STONE CLASS A LINER

STONE CLASS B EST. 225 TONS

END PROP WW FENCE
BEGIN PROP CHL FENCE

PRIVATE ROAD

S 83°36'30" E 216.12'

S 83°58'25" E 943.43

S 85°02'00" E

46' MED.

R 147.8'

R 149.44'

BM# 18 60d NAIL WEST BASE 18" HICKORY 200' RT 417+65 -L- ℄ MED. ELEV.= 908.07'

BM# 19 60d NAIL IN AT ROOT 18" POPLAR 240' LT 430+00 -L- ℄ MED. ELEV.= 882.32'

PLAN

SURVEYED
PLOTTED
TRACING CHECKED
ALIGNMENT & R/W OF WAY CHECKED

PROFILE

SURVEYED
PLOTTED
TRACING CHECKED
STRUCTURE NOTATING CHKD

PRESENTED FOR REGISTRATION AND RECORDED
SEP 16 4 22 PM

STATE OF NORTH CAROLINA, COUNTY OF WAKE

I, Barbara Kea, do hereby certify that this is a true and correct copy of Plan Sheet 5 of the final plans for Project [redacted] identified as Addendum 9 to the minutes on file in my office of the Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of September, 1989.

DEPARTMENT OF TRANSPORTATION
Custodian of Minutes of Board of Transportation

412

PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
[redacted]	5	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
B-1620403	[redacted]	R/W

THOMAS S. HART (444) — DAVID J. SMITH (443) — CHRISTIAN D. JORDAN (445) — WILLIAM P. ARTHUR JR. (447) — A.Q. FOSTER (446) — TROY O. WILLIARD (448) — M. DONALD WILLIARD (449)

NOTE: DRIVEWAY TO BE CONNECTED BY OWNER.

-Y4-
Rt = 141 97.31
Δ = 14° 27' 42" Rt.
D = 4° 45'
T = 153.04'
L = 304.46'
R = 1206.23'

Y4 PT. STA 16+48.73

BM# 20 60d NAIL WEST SIDE D.P. Co. POLE # 45AIO 30' RT. 16+48 -Y4- LAKE VALLEY DR. 195' LT. 436+50 -L- ℄ MED. ELEV.=883.00'

DETAIL OF FALSE CUT
LT. STA. 437+00 TO LT. STA. 439+00

PROFILE
SURVEYED
PLOTTED
ALIGNMENT CHECKED
PROFILE CHECKED
R/W NOTED
STRUCTURE NOTATING DATED
DATE
BY
NO.

PLAN
DATE
BY
NOTED
PLOTTED
ALIGNMENT CHECKED
PROFILE CHECKED
R/W NOTED

PI 430+88.98
EL 874.07
VC 1700'
-1.4707%
+1.84%

I-40 STA. 430+00 TO STA. 445+00

PRESENTED FOR REGISTRATION AND RECORDED
OCT 16 4 29 PM '89
$5.00

"STATE OF NORTH CAROLINA, COUNTY OF WAKE"

I, [redacted], do hereby certify this is a true and correct copy of Plan Sheet 9 of the final plans for Project B-1620403, identified as Addendum 1, to the minutes on file in my office of the 1 day of SEPTEMBER, 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

Custodian of Minutes of Board of Transportation

413

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
[redacted]	7	
STATE [redacted]	F. A. PROJ. NO.	DESCRIPTION
8.1620403	[redacted]	RAMP

M. DONALD WILLIARD (449) — GLENN HIGH ASSOC. (450) — WANELL W. WALL (451) — MARNETTE S. GRIFFIN (452)

WOODS

447+50 135 — 448+31.45 139.89 — 450+00 150 — 452+00 150 — 452+91.80 143.11 — 454+00 130 — 454+75.94 130

PROPOSED RIPRAP CHECK DAM — PROP. 3' BASE DITCH — PROPOSED DITCH LINING — EST. 730 S.Y. RIP RAP CLASS 2, 2.5 THICK POS

EST. 624 TONS STONE CLASS B — PROP 2' BASE DITCH — LINE WITH CLASS 'B' STONE AND FILTER CLOTH LINER — EST. 1870 TONS

END PROP WW FENCE — BEG. PROP CHL FENCE — PROPOSED BERM DITCH

700' FULL LANE — 300' TAPER — 2:1

10' PAVED SHOULDER — 4' PAVED SHOULDER — 46' MED. — S85°02'00"E — -L-

USE CLASS 'B' STONE WITH FILTERCLOTH LINER EST. 15 TONS

PROPOSED BERM DITCH — PROP 2' BASE DITCH — RAMP C — S 85°36'00"E — S 87°56'40"E 526.56'

447+50 140 — 448+25.15 132.49 — 450+00 115 — 452+50 140 — 452+85.20 139.48 — 454+70.21 136.73

N 03°17'30"E 1968.56 — 30½' FARM RD — N 02°18'15"E 1955.97 — S 86°43'20"E 463.97 — S 84°02'30"W 1858.30

RAMP C POT STA 0+00.00 47' RT -L- POT STA. 458+00.00

459+33.70 155.38 — CHARLES O. WILLIARD

BM # 21 60d NAIL SOUTH BASE 18" OAK 180' LT. 446+75 -L- ℄ MED. ELEV. = 914.99'

BM # 22 60d NAIL WEST BASE 18" POPLAR (END 6/29/83 NOON) 75' RT. 457+75 -L- ℄ MED. ELEV. = 913.31'

VAR. 0% — 10' — 1"/FT — N.G — 2:1 — 2.5' — 3' — DETAIL OF PROP 3' BASE DITCH STA. 447+20 LT TO 452+30 LT

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — STRUCTURE NO. — DATE — BY

930 / 920 / 910 / 900

+1.84% — 10 18" — 60" — UNDERCUT

445 6 7 8 9 450 1 2 3 4 455 6 7 8 9 460

1" = 40' STA: 445+00 TO STA. 460+00

PLAN — SURVEYED — PLOTTED — GRADES CHECKED — STRUCTURE NO. OF WAY CHECKED — DATE — BY

"STATE OF NORTH CAROLINA, COUNTY OF WAKE"

I, [redacted], do hereby certify that this is a true and correct copy of Plan Sheet 7 of the final plans for Project 8.1620403, identified as Addendum 9 to the minutes on file in my office of the 1 day of SEPTEMBER 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

DEPARTMENT OF TRANSPORTATION

Custodian of Minutes of Board of Transportation

Item # 5.00

PRESENTED FOR CERTIFICATION AND RECORDED

SEP 19 1989

ALTERATIONS OR ERASURES IN THIS DOCUMENT INVALIDATE CERTIFICATION

414

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
[redacted]	6	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
8.1620403	[redacted]	[redacted] RW C
[redacted]	[redacted]	

MARNETTE S. GRIFFIN 452

CHARLES O. WILLIARD, JR. 453

HELEN W. NORMAN, et al 454

LUE S. VEREEN 455

N. C. DOT 403

BEG PROP CHL FENCE
END PROP WW FENCE

B-TS 0+00.00
47°12'-L- POI STA. 461+38.39
Δ = 0°00'00"

B-SC 2+00.00

B-CS 7+19.25

-C-TS 4+72.52

-C-SC 6+72.52

-C-ST 12+19.86

RAMP B

RAMP C

PROP. PAVED DITCH
PROP. BERM DITCH

10' PAVED SHOULDER
4' PAVED SHOULDER
46' MED.
4' PAVED SHOULDER
10' PAVED SHOULDER

S 89°02'00" E
S 87°56'40" E 526.56'
S 87°56'40" E 256.45'
S 87°56'40" E 595.66'
S 87°40'10" E 199.47'
S 85°36'00" E
S 69°10'47" E

STONE CLASS "B" EST 4.24 TONS

FOR DETAIL OF INTERCHANGE SEE SHEET No. 18

FOR PLAN & PROFILE OF Y¹ SEE SHEET 19 & 20

BM# 23 60d NAIL NORTHWEST BASE
24" POPLAR
400' RT. 469+25 -L- ℄ MED
ELEV.=937.00

PLAN
DRAWN BY
TRACED BY
DESIGN CHECKED
ALIGNMENT CHECKED
INT. OF WAY CHECKED
DATE

PROFILE
SURVEYED BY
DRAWN BY
DESIGN CHECKED
ALIGNMENT CHECKED
STRUCTURE WORKING DATE
DATE

460 1 2 3 4 465 6 7 8 9 470 1 2 3 4 475

950 940 930 920

L.84 %

"STATE OF NORTH CAROLINA, COUNTY OF WAKE"

I, Gaudine Mumford do hereby certify that this is a true and correct copy of Plan Sheet 8 of the final plans for Project 8.1620403, identified as Addendum 9 to the minutes on file in my office of the 1 day of September 1981, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of September, 1981.

Gaudine Mumford
Custodian of Minutes of Board of Transportation

PRESENTED FOR REGISTRATION AND RECORDED
OCT 15 4 29 PM '81
BOOK 1983 PAGE 414
REGISTER OF DEEDS
WAKE COUNTY, N. C.
$5.00

415

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
8.1620403	[redacted]	R/W [redacted]

ESTIE SMITH CHARLES (457) — LUIE S. VEREEN (455) — N.C. DOT (403) — ERNEST B. SMITH (463) — R. C. SMITH (465) — JOE G. SMITH (461) — N.C. DOT (A)

-L- P.O.T. 475+79.57 = -Y5- P.O.T. 25+31.18

BEGIN APPROACH SLAB STA. 24+11.96

BEGIN BRIDGE STA. 24+22.85

END BRIDGE STA. 25+33.84

END APPROACH SLAB STA. 26+46.73

FOR PLAN & PROFILE OF Y5 SEE SHEET 19 & 20

FOR DETAIL OF INTERCHANGE SEE SHEET No. 18

RAMP A — RAMP D — -L- — -A- — -D-

S 89°02'00"E — N 86°31'08"W

10' PAVED SHOULDER — 4' PAVED SHOULDER — 46' MED

PROP. BERM DITCH — PROP. V-DITCH — PROP. 3' BASE DITCH — PROP. GUARDRAIL — PROP. BARRIER — PROP. CHAIN LINK FENCE — PROP. WW FENCE

WOODS — GREENHOUSES — 1 S.F. DWELLING

EST. 1482 TONS STONE CLASS "B" — EST. 434 TONS STONE CLASS "A" — EST. 101 TONS CLASS "A" STONE WITH FILTERCLOTH FABRIC — EST. 20 TONS STONE CLASS A LINER

PI = 908 + 84.93
Δ = 51°15' 00" LT
D = 1°30'
S = 2°15'
Ls = 300.00'
L = 3,116.67'
Ts = 1,982.64'
Lc = 200.02'
V = 100.01'
R = 3,819.72'
SE = .06 ft

BM# 24 60d NAIL NORTH BASE 12" PINE 59' LT 24+30 -Y5- 70' LT 476+85 -L- & MED. ELEV. = 957.00

BM# 25 60d NAIL EAST BASE 10" OAK 180' LT. 486+75 -L- & MED. ELEV. = 930.63'

Y5 STRUCTURE SKETCH

PI 478 + 00
EL 957.07
VC 3200'

+1.84 %

-2.82 %

I - 40 STA. 475 + 00 TO STA. 490 + 00

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R/W & NOTED / STRUCTURE SURVEYED — DATE / BY

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / R/W & NOTED / STRUCTURE SURVEYED — DATE / BY

PRESENTED AND APPROVED AS REVISED AND CORRECTED

OCT 16 4 40 PM '89

DEPARTMENT OF TRANSPORTATION

Custodian of Minutes of Board of Transportation

$ 5.00

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

I, [redacted], do hereby certify that this is a true and correct copy of Plan Sheet 9 of the final plans for Project 8.1620403, identified, as Addendum 9, to the minutes on file in my office of the 1 day of September 19 89, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of September, 1989.

416

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
	10	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
8.1620403		R/W

-L- REV
PI = 508 + 64.03
Δ = 5° 15' 00" LT
D = 1° 30'
Ls = 300.00'
Δs = 2° 15'
Ts = 1982.61'
Lc = 3116.67'
R = 3819.72'
SE = .06 ft/ft

-L-
PI = 508 + 64.03
Δ = 5° 15' 00" LT
D = 1° 30'
Ls = 200.00'
Δs = 1° 30'
Ts = 1932.36'
Lc = 3216.67'
R = 3819.72'

R.C. SMITH (465)

TAR HEEL RIDING CLUB (466)

10' PAVED SHOULDER
4' PAVED SHOULDER
4' PAVED SHOULDER
10' PAVED SHOULDER

PROPOSED 2' BASE DITCH
PROPOSED 3' BASE CHANNEL CHANGE
PROPOSED ROCK CHECK DAM
700' FULL LANE
300' TAPER
46' MED
BEG. PROP. WW FENCE
END PROP. WW FENCE
RIP RAP CLASS I 2.5' ABOVE BED
PROPOSED DITCH LINING

DETAIL OF 3' BASE CHANNEL CHANGE
STA. 489+50 RT. TO 496+50 RT.
EST. D.O.E. = 6,300 CU. YDS.

BM# 26 60d NAIL SOUTHWEST ROOT 12" LOCUST 77.5' LT 497+40 -L- ℄ MED ELEV = 893.80'

PI 498 + 00
EL 895.03
VC 1200'
-2.82 %
+2.32 %
-2.20 %
-1.50 %
-0.75 %
36" CS
66" CS
UNDERCUT

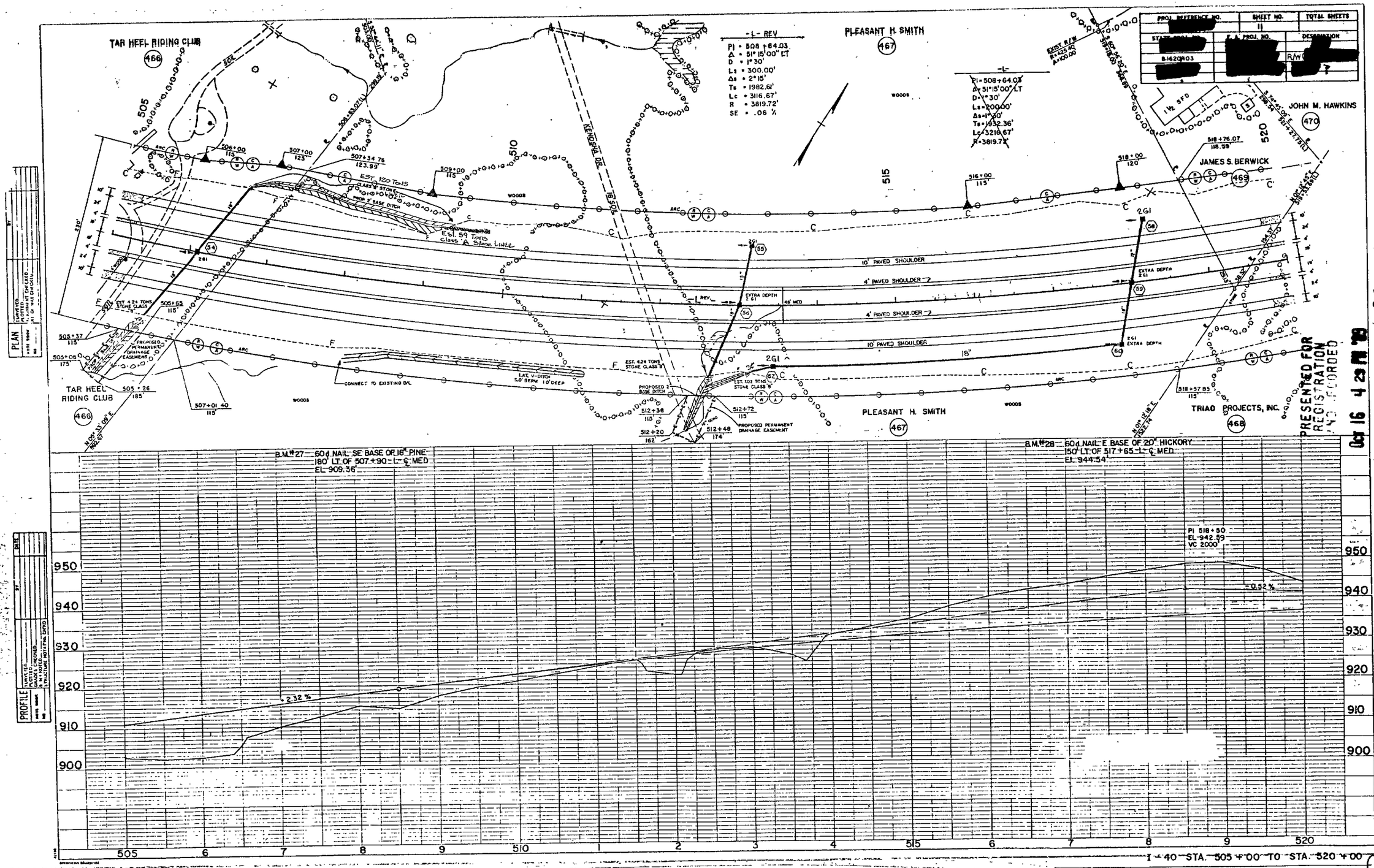
I-40 STA. 490+00 TO STA. 505+00

PRESENTED FOR REGISTRATION AND RECORDED
Oct 16 4 29 PM '89

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"
I, Sandra Lang, do hereby certify that this is a true and correct copy of Plan Sheet 10 of the final plans for Project 8.1620403, identified as Addendum 9 to the minutes on file in my office of the 1 day of SEPTEMBER, 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

Sandra Lang
Custodian of Minutes of Board of Transportation

DEPARTMENT OF TRANSPORTATION
RALEIGH, NORTH CAROLINA



PRESENTED FOR REGISTRATION AND RECORDED
Oct 16 4 29 PM '89

8. $5.00

"STATE OF NORTH CAROLINA, COUNTY OF WAKE"
I, Barbara Mungo, do hereby certify that this is a true and correct copy of Plan Sheet 11 of the final plans for Project 8.1620403, identified as RALEIGH-CHESTER OF DEPARTMENT OF TRANSPORTATION ABERNATHY CITY, and Addendum 9 to the minutes on file in my office of the Custodian of Minutes of Board of Transportation, 19 89, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of September, 19 89.

Barbara Mungo

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
B-1620403		R/W

-L- REV
PI = 508 +64.03
Δ = 51° 15' 00" LT
D = 1° 30'
Ls = 300.00'
Δs = 2° 15'
Ts = 1982.61'
Lc = 3116.67'
R = 3819.72'
SE = .06 ft

-L-
PI = 508 +64.03
Δ = 51° 15' 00" LT.
D = 1° 30'
Ls = 200.00'
Δs = 1° 30'
Ts = 1932.36'
Lc = 3216.67'
R = 3819.72'

-L- REV
PI = 550+45.62
Δ = 56° 27' 00" RT.
D = 2° 00'
Ls = 350.00'
Δs = 3° 30'
Ts = 1713.63'
Lc = 2472.50'
R = 2864.79'
SE = .07 ft

-L-
PI = 550+45.62
Δ = 56° 27' 00" RT.
D = 2° 00'
Ls = 300.00'
Δs = 3° 00'
Ts = 1688.39'
Lc = 2522.50'
R = 2864.79'

JOHN M. HAWKINS (470) — WOODS
TRIAD PROJECTS, INC. (468)
JAMES S. BERWICK (469)
NELL P. IDOL (471) (471A)
N 39°43'00"E
-L- REV
-L- CS STA 522+98.09
-L- CS STA 523+48.34
-L- ST STA 525+98.09 LB =
-L- POT STA 525+98.59 LA
-L- POT STA 533+31.99 LB
-L- REV- TS STA 533+31.99 LA
-L- TS STA 533+57.83
520+63.78 108.78
524+00 140'
525+98.09 115'
526+22.96 115'
526+72.22 115'
520+50 115'
522+98.09 150'
522+98.59 115'
529+50 115'
531+00 116'
531+50 180'
532+00 178.63'
533+00 250'
533+31.99 175'
534+25 180'
520 AB BEARING
N 39°43'00" E 1941.93'
S 52°16'00" E 2500.00'
10' PAVED SHOULDER
4' PAVED SHOULDER
46' MED
12.67' PAVED SHOULDER
PROPOSED 2' BASE DITCH
HEADWALL
EST. 14.63 TONS STONE CLASS "B"
EST. 33 TONS STONE CLASS B LINER
EST. 15 S.Y. RIP RAP CLASS B
EST. 30 S.Y. RIP RAP CLASS B
END PROP W.W. FENCE
PROP. GUARDRAIL
SEEP
CAT-1
CAT-10
12" C.S. WEIR BOWS
18" CMP WEIR BOWS
42" C.S.P.
TEMP. SILT BASIN TYPE "A"
EMERGENCY SPILLWAY LINED W/CL. "B" STONE
TEMP. DRAINAGE EASEMENT
CL 'B' STONE EST. 1.5 C.Y.
PRESENTED FOR REGISTRATION AND RECORDED
Oct 16 4 30 PM '89

B.M. 29 60d NAIL IN NORTH BASE OF 24" TWIN RED OAK
150' RT. OF 530+00 -L- ℄ MED.
EL. 932.48

SINGLE 9'x 8' R.C. BOX CULVERT
HYDRAULIC DATA
DESIGN DISCHARGE = 580 C.F.S.
DESIGN FREQUENCY = 100 YRS.
DESIGN HIGH WATER = 903.9
BASE DISCHARGE = 580 C.F.S.

PI 532+00
EL. 934.02
VC 1000'
-0.82%
36"
CULVERT STA. 532+67

950 940 930 920 910 900 890
520 1 2 3 4 525 6 7 8 9 530 1 2 3 4 535

I-40 STA. 520+00 TO STA. 535+00

PLAN — SURVEYED, PLOTTED, DRAWN, CHECKED, PLANS CHECKED, RT OF WAY CHECKED, DATE, BY, DATE, NO. —
PROFILE — SURVEYED, PLOTTED, DRAWN, CHECKED, STRUCTURE QUANTITIES GIVEN, DATE, BY, DATE, NO. —

$5.00 Pd

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
Custodian of Minutes of Board of Transportation

I, Pauline Lung, Secretary, do hereby certify that this is a true and correct copy of the final plans for Project B-1620403, identified as Plan Sheet 12 of 12, Addendum 9, to the minutes on file in my office of the 1 day of September 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of September, 1989.

Pauline Lung, Secretary

EXISTING PAVEMENT TO BE OBLITERATED

-L- REV
PI = 550+45.62
Δ = 56° 27' 00" RT
D = 2°00'
Ls = 350.00'
Δs = 3°30'
Ts = 1713.63'
Lc = 2472.50'
R = 2864.79'
SE = .07%

-L-
PI = 550+45.62
Δ = 56° 27' 00" RT.
D = 02° 00'
Ls = 300.00'
Δs = 3° 00'
Ts = 1688.39'
Lc = 2522.50'
R = 2864.79'

-Y9-
PI = 17+49.81
Δ = 45°30' 02" RT
D = 18° 00'
T = 151.39'
L = 285.46'
R = 356.10'

-L- BEGIN BRIDGE STA 7+24.56
-L- END BRIDGE STA 8+66.87
-L- BEGIN APPROACH SLAB STA 7+08.30
-L- END APPROACH SLAB STA 9+82.83
-L- POC STA 544+09.31 = -Y9- POT. STA. 8+41.71
-L- POC STA 546+36.27 = -Y9- POT. STA. 19+41.03
-L- SC STA. 538+91.88
-L- CS STA. 536+57.82

NELL P IDOL (471) (471A)
CLENARD MABE (474)
DAVID MATTHEWS (475)
LARRY MATTHEWS (476)

PROP. REFERENCE NO. | SHEET NO. 13 | TOTAL SHEETS
STATE PROJ. NO. [redacted] | F. A. PROJ. NO. | DESCRIPTION
B-1820403 [redacted] | R/W [redacted]

FOR PLANS SEE SHEET [redacted]

STRUCTURE SKETCH

*EXTRA WIDTH NEEDED FOR ADJACENT GLENWOOD ROAD SIGHT DISTANCE.

TYPICAL SECTION OF DRIVEWAYS
PAVED AND UNPAVED

BM# 30 60d NAIL NORTH BASE 12" PINE
150' RT 587+20 -L- ℄ MED.
ELEV = 939.42'

BM# 31 60d NAIL WEST BASE COMB POLE AT INTERSECTION OF GLENWOOD & OLD SALEM RD.
225' LT 545+65 -L- ℄ MED.
45' LT 16+95 -Y8-
ELEV = 961.72'

PI 535+00
EL 934.02
VC 1000'
+0.5%

970 960 950 940 930 920 910

535 6 7 8 9 540 1 2 3 4 545 6 7 8 9 550

I-40 STA. 535+00 TO STA. 550+00

PLAN — SURVEYED | PLOTTED | CHECKED | DRAWN | TRACED | QUANTITIES CHECKED | PLANSHEET CHECKED | PC OF MAT CHECKED | SHTS | BY | DATE

PROFILE — SURVEYED | PLOTTED | CHECKED | DRAWN | TRACED | QUANTITIES CHECKED | STRUCTURE QUANTITIES CHECKED | DATE | BY

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

I, Pauline Williams, do hereby certify that this is a true and correct copy of Plan Sheet 13 of the final plans for Project 8.1820403, identified as Addendum 9 to the minutes on file in my office of the 1 day of SEPTEMBER 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

Pauline Williams
REGISTER OF DEEDS
SEVENTH CITY DISTRICT

PRESENTED FOR REGISTRATION AND RECORDED

$15.00 pd.

DEPARTMENT OF TRANSPORTATION
Custodian of Minutes of Board of Transportation

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
[redacted]	14	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
8.1620403	[redacted]	R/W

NELL P. IDOL 471 471A

GLENN A. BENNETT, JR. 479 WOODS

DAVID P. MATTHEWS 478

CECIL E. MARTIN 480

NELL P. IDOL 471 471A

-L- REV
PI = 550 + 45 62
Δ = 56° 27' 00" RT
D = 2° 00'
Ls = 350 00'
Δs = 3° 30'
Ts = 1713 63'
Lc = 2472 50'
R = 2864 79'
SE = 07 1/2

BM #32 60d NAIL NORTHEAST BASE COMB POLE 300' LT. 554+50 -L- & MED. ELEV.=948.13'

PI 556+12
EL 944.58
VC 2000'

+0.60%

-2.46%

0.30' C.S.

1-40 STA. 550+00 TO STA. 565+00

PRESENTED FOR REGISTRATION AND RECORDED
Dec 16 4 28 PM '88

B. # 5.00 pd.

DEPARTMENT OF TRANSPORTATION
Custodian of Minutes of Board of Transportation

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

I, [redacted], do hereby certify that this is a true and correct copy of Plan Sheet 14 of the final plans for Project 8.1620403, identified by Addendum 0 to the minutes on file in my office of the 1 day of SEPTEMBER, 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

421

PAULINE S. PEGG (481)

HENRY CARTER (482)

TOWN OF KERNERSVILLE (483)

NELL P. IDOL (471) (471A)

PAULINE S. PEGG (481)

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
STA [redacted]	15	
8.1620403	F. A. PROJ. NO.	DESCRIPTION
	[redacted]	[redacted] RW

PLAN — SURVEYED, PLOTTED, DRAWN, CHECKED, RT. OF WAY CHECKED, DATE, BY

PROFILE — PLOTTED, DRAWN, CHECKED, DATE, BY, STRUCTURE NO(S) OHD

565 570 575 580

565+54.61 — REV. S.T. STA. 565+04.49 LB = -L- POT. STA. 565+04.98 LA

568+00 — 570+76.59 — 571+50 — 574+50 — 575+50.86 — 575+60 — 576+00 — 579+23.37 — 580+00

BM# 53 60d NAIL NORTH BASE COMB POLE # EGA II 225' LT. 570+85 -L- ℄ MED. ELEV. = 914.54'

BM# 34 60d NAIL WEST BASE 28" POPLAR 135' RT. 580+40 -L- ℄ MED. ELEV. = 881.68'

DETAIL OF 2' BASE DITCH (RT. STA. 574+75 — STA. 576+10)

2 at 6'x5' RC BOX CULVERT

HYDRAULIC DATA

DESIGN DISCHARGE	= 654 C.F.S.
DESIGN FREQUENCY	= 100 YRS.
DESIGN HIGH WATER	= 873.3
BASE DISCHARGE	= 654 C.F.S.

-2.46%

930 920 910 900 890 880 870 860

565 6 7 8 9 570 1 2 3 4 575 6 7 8 9 580

I-40 STA. 565+00 TO STA. 580+00

PRESENTED FOR REGISTRATION OCT 16 4 39 PM

I, [redacted], Custodian of Minutes of Board of Transportation of NORTH CAROLINA, COUNTY OF WAKE, do hereby certify that this is a true and correct copy of Plan Sheet 15 of the final plans for Project 8.1620403, identified as Addendum 9 to the minutes on file in my office of the 1 day of SEPTEMBER 19 89, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

[redacted]

422

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
STATE PROJ. NO. 8.1620403	F.A. PROJ. NO. [redacted]	DESCRIPTION [redacted] RW

END PROP. WW FENCE

TOWN OF KERNERSVILLE (483)

ABBOTTS CREEK

SEWAGE TREATMENT PLANT BEG PROP CHL FENCE

PAULINE S. PEGG (481)

TOWN OF KERNERSVILLE (483)

POPE REALTY, INC.

TOWN OF KERNERSVILLE (483)

DONALD C. CREWS (484)

PRESENTED FOR REGISTRATION AND RECORDED Oct 16 4 30 PM '89

PI =	589+16.22
Δ =	18°33' LT
D =	2°00'
Ls =	300.00'
Δs =	9°00'
Ts =	618.04'
Lc =	627.50'
R =	2864.79'

BM# 35 60d NAIL NORTHEAST ROOT 18" HICKORY 125' RT 591+50 ℄ MED. ELEV=874.79'

3 @ 12'X7' R.C. BOX CULVERT

HYDRAULIC DATA

DESIGN DISCHARGE	= 1600 C.F.S.
DESIGN FREQUENCY	= 100 YRS.
DESIGN HIGH WATER	= 872.2
BASE DISCHARGE	= 1600 C.F.S.

+2.69%

-2.46%

PI 584+00
EL 876.00
VC 1400'

CULVERT STA 588+67

I-40 STA. 580+00 TO STA. 595+00

STATE OF NORTH CAROLINA - COUNTY OF WAKE

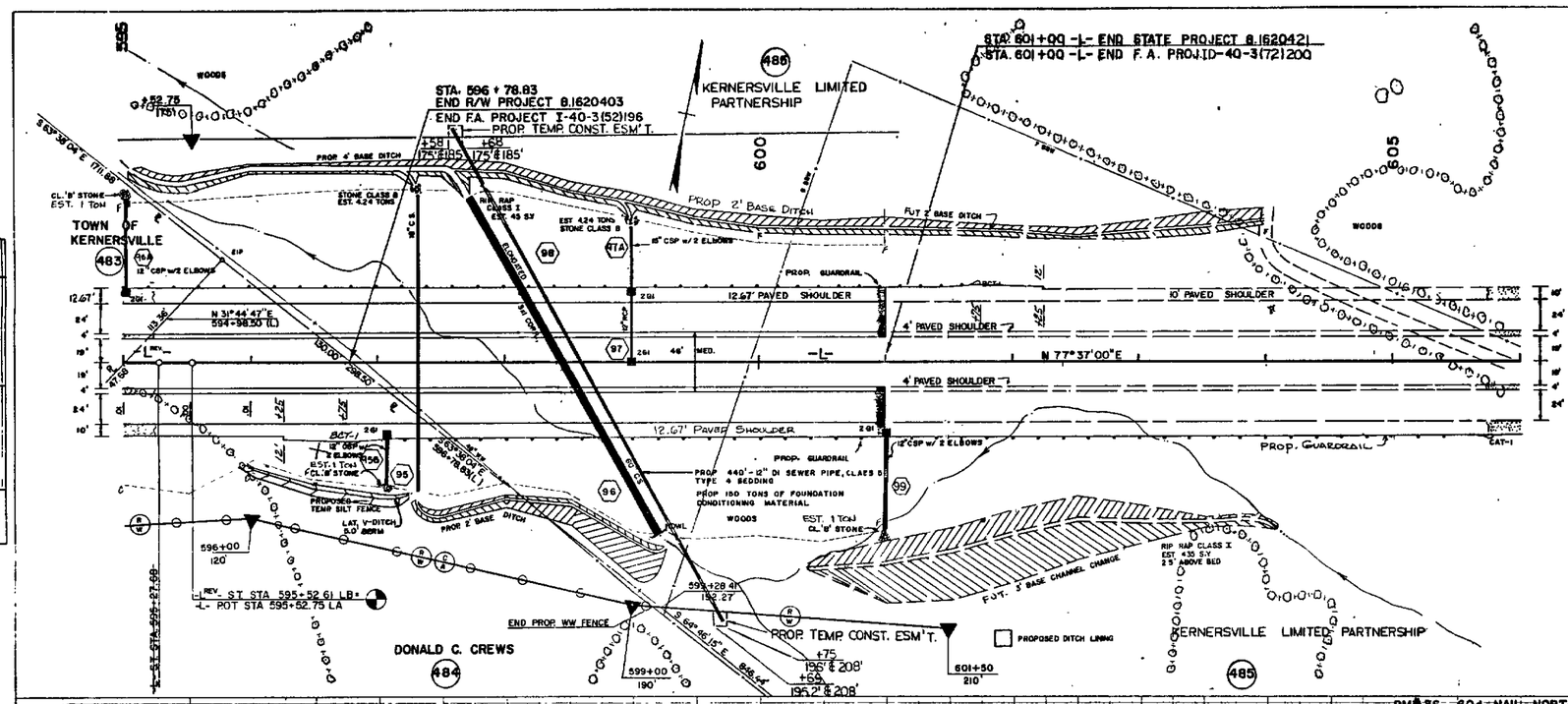
I, Pauline Lewis, do hereby certify that this is a true and correct copy of Plan Sheet 11a of the final plans for Project 8.1620403, identified as Addendum 9 to the minutes on file in my office of the 1 day of SEPTEMBER 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

Pauline Lewis
Custodian of Minutes of Board of Transportation

PLAN — SURVEYED / PLOTTED / CHECKED / ALIGNMENT CHECKED / RT OF WAY CHECKED / DATE / BY / NO. / REVISIONS

PROFILE — SURVEYED / PLOTTED / CHECKED / DESIGN CHECKED / DATE / BY / NO. / REVISIONS (STRUCTURE INFO ITEMS OMITTED)

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
[redacted]	17	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
8.1620403	[redacted]	R/W



PLAN — SURVEYED, PLOTTED, DRAWN BY, CHECKED BY, DATE

PROFILE — SURVEYED, PLOTTED, DRAWN BY, CHECKED BY, DATE, H, V, STRUCTURE INITIATING DATA

PRESENTED FOR REGISTRATION AND RECORDED
OCT 16 4 30 PM '89

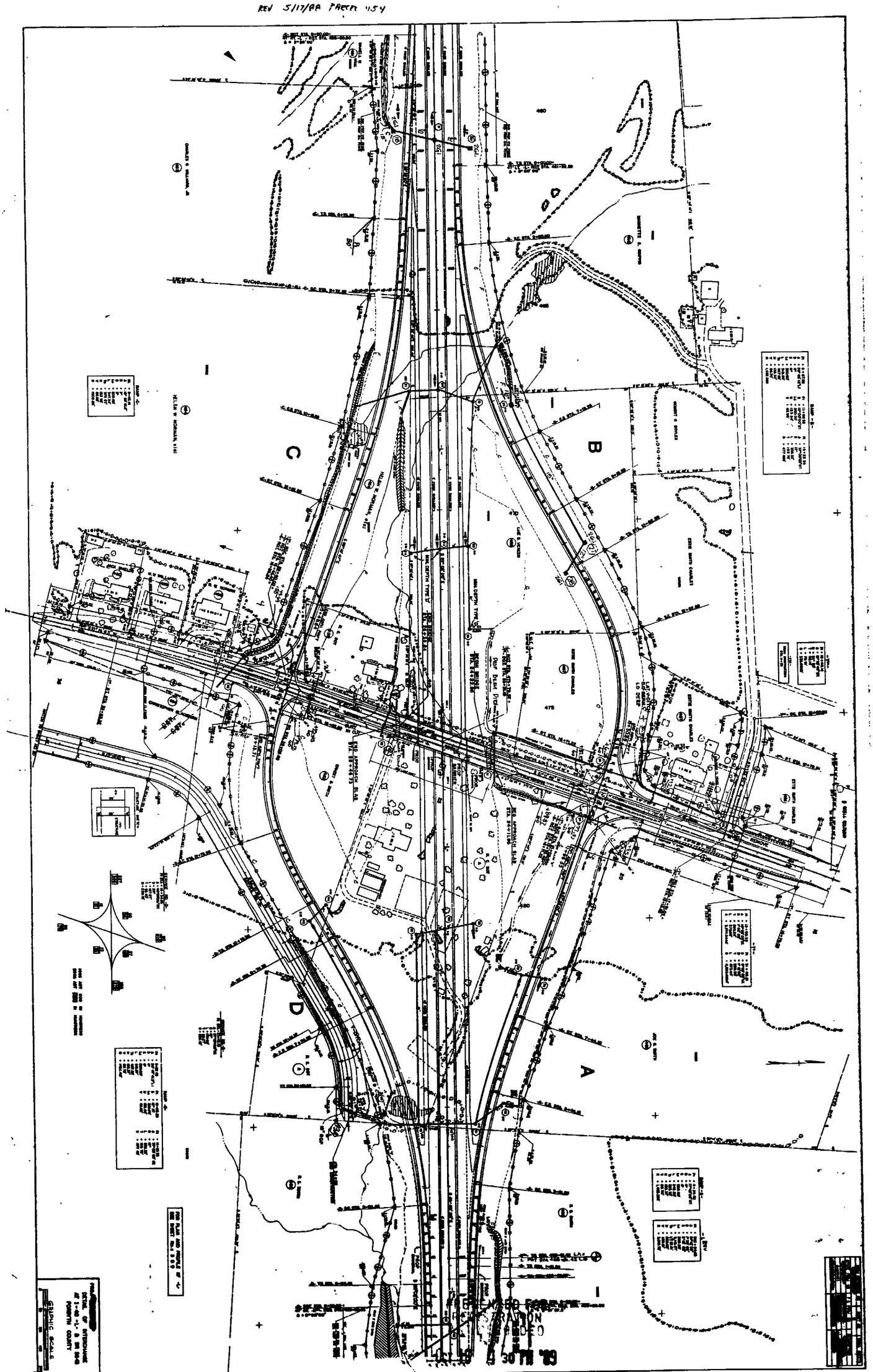
STATE OF NORTH CAROLINA - COUNTY OF WAKE

I, Pauline Lang Lee, do hereby certify that this is a true and correct copy of Plan Sheet 17 of the final plans for Project 8.1620403, identified as Addendum 9 to the minutes on file in my office of the 1 day of September, 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of September, 1989.

Pauline Lang Lee
Custodian of Minutes of Board of Transportation

DEPARTMENT OF TRANSPORTATION
RALEIGH, N. C.

REV 5/17/88 PAGE 454



"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

I, Pauline Wright, do hereby certify that this is a true and correct copy of Plan Sheet 18 of the final plans for Project 8.1620403, identified as Addendum 9 to the minutes on file in my office of the 1 day of SEPTEMBER 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

REGISTER OF DEEDS
WAKE COUNTY, N.C.

$5.00 cd.

DEPARTMENT OF TRANSPORTATION

Pauline Wright

Custodian of Minutes of Board of Transportation

-Y5-
PI =12+90.28
Δ =10°08'LT
D =1°45'
T =290.26'
L =579.05'
R =3274.04'
SUPER. 0.04'/' @ P.T.
RUNOFF 220'

-Y5- P.C. 10+00.00
-Y5- P.T. 15+79.05
-Y5- P.O.T. 17+91.04
-Y5A- P.O.T. 13+15.52

B. ODELL SOLOMON
JOE G SMITH (461)
N. C. DOT (A)
ESTIE SMITH CHARLES (456, 457)
LUIE S. VEREEN (458)
B. ODELL SOLOMON (457A)

SR 2643 UNION CROSS RD. 19' BST
EXIST. R/W
PROP. TEMP. CONST. ESM'T
BEGIN PROP CL FENCE
PROP. 'V' DITCH
PROP. GUARDRAIL
EXIST R/W 6' PAVED SHOULDER
4' PAVED SHOULDERS
EST. 4.24 TONS CL. 'B' STONE
EST. 4.24 TONS STONE, CLASS 'B'
BEGIN BRIDGE STA. 11+54.00 RT
BEGIN BRIDGE STA. 11+54.00 LT
END PROP CL FENCE
200' TAPER
450' TAPER (56.25:1)
I S BK D
CONC.
WOODS

BEG. CONSTRUCTION STA. 11+50.00

FOR PLAN AND PROFILE OF Y5 DETOUR— SEE SHEETS 22 & 23

BEGIN CONSTRUCTION STA. 11+30

PROJ. REFERENCE NO. | SHEET NO. 18 | TOTAL SHEETS
STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION
8.1680403 | R/W

PLAN — SURVEY, PLOTTED, DRAWN, CHECKED, NOTE BOOK, NO., FIELD LOCATION CHECK, PLOTTED, CHECKED, PT. OF BEG. CHECKED

PROFILE — SURVEY, PLOTTED, DRAWN, CHECKED, NOTE BOOK, NO., FIELD LOCATION CHECK

Y5A STA 13+15.52
Y5 STA 17+91.04
GR. EL. 960.49
BEGIN GRADE STA. 11+30 GR. EL. 962.83
+1.99%
960
950
Y5A
10 11 12 13
PI 12+62.5 EL 972.78 VC 300'
+1.059
-1.2
-0.87%
PI 18+00 EL 965.13 VC 400'
980 970 960 950
10 1 2 3 4 15 6 7 8 9 20 1 2 3 4 25

Y5 STRUCTURE SKETCH
BENCH MARK #24
SQ'd NAIL NORTH BASE 12" PINE 59' LT. 24+30
Y5 70' LT. 487±75 +/-
2" MFD
ELEV. 957.00'
BEGIN BRIDGE STA. 11+54.00

PRESENTED FOR REGISTRATION AND RECORDED OCT 16 4 30 PM '89

STATE OF NORTH CAROLINA, COUNTY OF WAKE

I, Pauline Wright, do hereby certify that this is a true and correct copy of Plan Sheet 19 of the final plans for Project 8.1680403, identified as Addendum 9, to the minutes on file in my office of the 1 day of SEPTEMBER 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

Pauline Wright
Custodian of Minutes of Board of Transportation

DIETGEN CORP 138-143

Y5 STA. 10+00 TO STA. 25+00

426

NOTE:
GUARDRAIL ANCHOR UNIT, TYPE X, SHOWN ON THIS SHEET LT. STA. 26+27± SHALL BE CONSTRUCTED IN ACCORDANCE WITH SHEET 2M EXCEPT THAT THE FUNNEL AND DRAIN PIPE SHALL NOT BE UTILIZED.

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
	20	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
8.1920403		R/W

-Y5-
PI = 31+46.81
Δ = 5°55'05" LT.
D = 1°15'
T = 236.93'
L = 473.44'
R = 4583.66'

-Y5- PC 29+09.88

-Y5- PT 33+83.32

-Y5- POT 25 + 31.18
-Y- POT 475 + 78.67

-Y5- POT 36+71.50
-Y5B- POT. 10+00.00

SERVICE RD -D- POT STA. 10+00.00
-Y5B- POT. STA. 15+00.00

MATCH TO SHEET NO

STA. 10+13 BEG. CONST.

-Y5- POT 39+65.23
Δ = 0°29'40" RT.

-D- P.T. STA. 15 + 83.69

END BRIDGE STA 26+38.84

END ACR. SLAB STA. 26+49.29

-Y5- P.O.C. STA. 25+40.00
-D- P.O.T. STA. 16+46.40
-C- P.O.T. STA. 16+85.84

-Y5- POT STA. 39+63.32

END CONSTRUCTION STA. 36 + 00.00

FOR PLAN AND PROFILE OF Y5 DETOUR SEE SHEETS 22 & 25

ERNEST B. SMITH (463)
CHRISTOPHER BLACKBURN (464)
N. C. DOT (403)
R. W. NORMAN (458)
M. W. WILLIARD (459)
JACK SHIELDS (460)
HELEN W. NORMAN, etal (454)

SR 2643 UNION CROSS RD.
SR 2637 GLENVIEW DR.

N 21° 09' 25" E 249.83'
S 22° 09' 30" W 273.58'
S 69° 00' 00" E 586.48'
N 21° 14' 25" E 273.98'
S 69° 47' 47" E 586.48'
S 16° 51' 10" W 130.01'
S 16° 42' 30" W 129.68'
S 15° 03' 30" W 150.68'
N 15° 16' 43" E
S 15° 16' 43" W

4" CONC. 7.4' PAVED SHOULDER
2' GRASS
2' PAVED SHOULDER
19' BST
10' CONC.
EXIST. R/W
PROP. R/W
PROPOSED R/W
PROP. TEMP. CONST. EASM'T
PROP. GUARDRAIL
PROP. BARRIER
PROP. CL FENCE
BEGIN PROP. CL FENCE
END PROP. CL FENCE
BEGIN PROP. CL FENCE
BEGIN ASPH. PAV'T
END ASPH. PAV'T
ASPH. DRIVEWAYS
SOIL/GR. DRIVEWAYS
WOODS
1 S BK D
1 S BK & BLK D
1½ S BK & F D
N. C. DOT
300' LANE SHIFT
200' TAPER
450' TAPER (56.25')
5" MONOLITHIC CONC. ISLANDS
6" WATER
8" WATER
12" WATER
6" SEWER
8" SEWER
12" SEWER
FIRE HYDRANT
GAS VALVE
GAS LINE
POWER POLE
TELEPHONE POLE
TELEPHONE MANHOLE
TELEPHONE BOX
TELEPHONE PEDESTAL
TELEPHONE RISER
TELEPHONE BOOTH
TELEPHONE CABLE
TELEPHONE CONDUIT
TELEPHONE CABLE TV
TELEPHONE CABLE TV BOX
TELEPHONE CABLE TV RISER
TELEPHONE CABLE TV BOOTH
TELEPHONE CABLE TV CABLE
TELEPHONE CABLE TV CONDUIT
TELEPHONE CABLE TV PEDESTAL
TELEPHONE CABLE TV MANHOLE
TELEPHONE CABLE TV POLE
TELEPHONE CABLE TV GUY
TELEPHONE CABLE TV ANCHOR
TELEPHONE CABLE TV GUY WIRE
TELEPHONE CABLE TV GUY ANCHOR
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TELEPHONE CABLE TV GUY STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR
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TELEPHONE CABLE TV GUY STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB
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TELEPHONE CABLE TV GUY STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR
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TELEPHONE CABLE TV GUY STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB
TELEPHONE CABLE TV GUY STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB ANCHOR STUB WIRE
TELEPHONE CABLE TV GUY STUB ANCHOR

PROJ REFERENCE NO.	SHEET NO	TOTAL SHEETS
	21	
STATE PROJ NO.	F. A. PROJ NO.	DESCRIPTION
8.1620403		R/W

DEPARTMENT OF TRANSPORTATION

Custodian of Minutes of Board of Transportation

STEVEN M. IDOL

NELL P. IDOL

BLAKE POPE IDOL

RACHAEL S. HESTER

DAVID P. MATTHEWS

CLENARD MABE

LARRY MATTHEWS

KENNETH D. COLEMAN

LAKE P. JOHNSON

EXISTING PAVEMENT TO BE OBLITERATED

CONC DRIVEWAYS

SOIL/GR DRIVEWAYS

FOR PROFILE OF Y6A REV.A SEE SHEET 24

BEG. CONSTRUCTION STA. 0+00

END CONSTRUCTION STA. 16+22.27

FOR PROFILE OF Y6REV SEE SHEET 24

-L- REV.
PI = 550+45.62
Δ = 56°27' RT
D = 2°00'
Le = 350.00'
Δs = 3°30'
Ts = 1713.63
Lc = 2472.50
R = 2864.79
U = 233.39'
V = 116.71'
E = .07'

-L-
PI = 550+46.62
Δ = 56°27' RT
D = 2°00'
Le = 300.00'
Δs = 3°00'
Ts = 1688.39'
Lc = 2522.50'
R = 2864.79'
U = 200.03'
V = 100.03'

-Y6A- REV.
PI = 11+74.72
Δ = 43°15'00" RT
D = 13°
T = 174.72'
L = 332.69'
R = 440.74'

-Y6- REV.
PI = 17+49.81
Δ = 45°50'02" RT.
D = 16°00'
T = 151.39'
L = 286.48'
R = 358.19'

-Y6- REV.
PI = 11+68.49
Δ = 41°50'36" RT
D = 13°00'
T = 168.49'
L = 321.67'
R = 440.74'
SUPER. 08%
RUNOFF 170'

-Y6- REV.
PI = 13+08.00
Δ = 4°48'43" RT.
D = 1°30'
T = 159.82'
L = 317.44'
R = 3819.72'

-Y6- REV.
PI = 2+49.19
Δ = 29°15'00" RT
D = 6°
T = 249.19'
L = 487.50'
R = 954.93'
SUPER. .08%
RUNOFF 220'

-Y6- REV.
PI = 14+48.48
Δ = 21°20'48" RT
D = 6°
T = 179.97'
L = 358.76'
R = 954.93'
SUPER. 08%
RUNOFF 220'

Y6REV STRUCTURE SKETCH

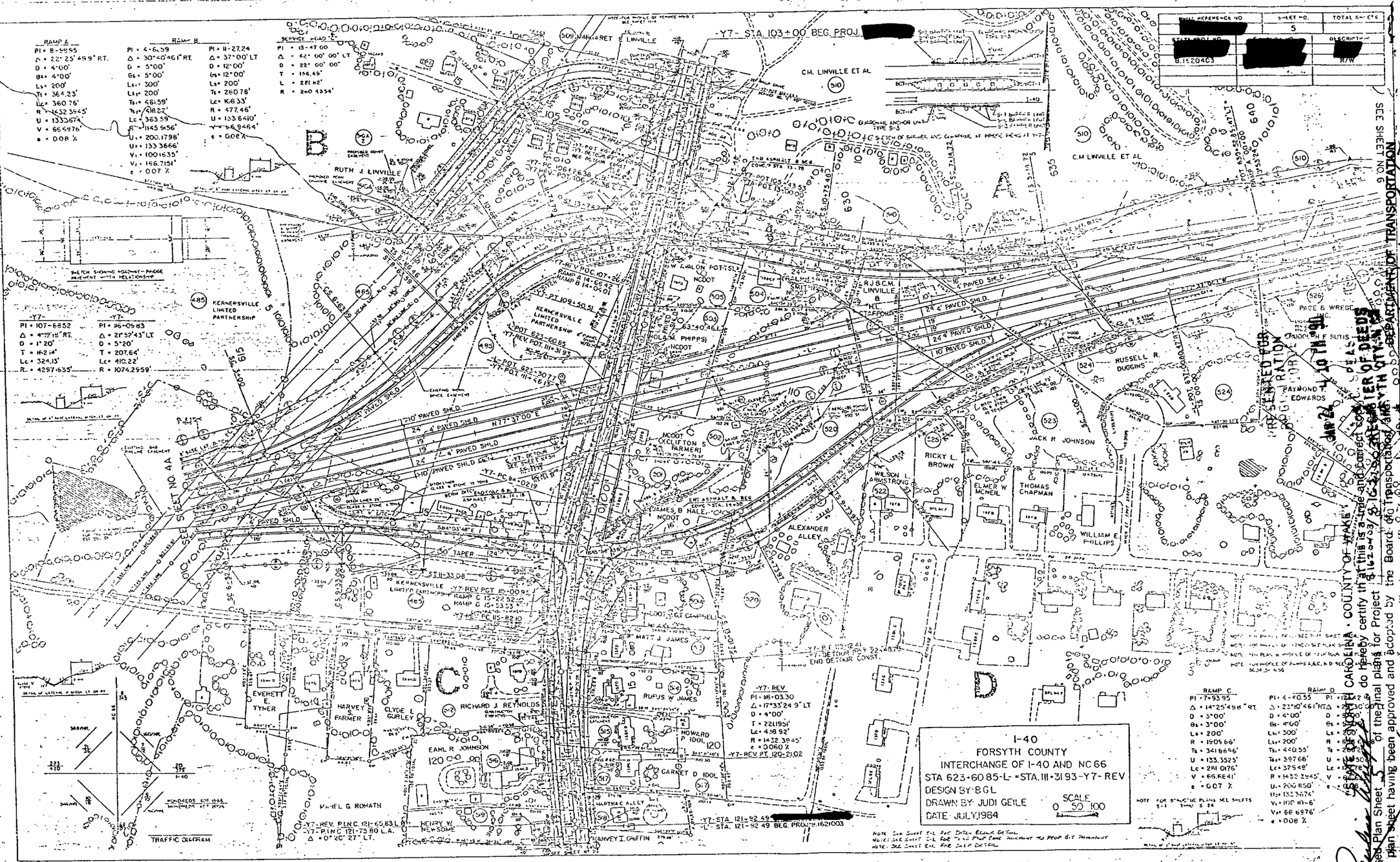
"STATE OF NORTH CAROLINA, COUNTY OF WAKE"

I, Lauren Lange, do hereby **certify** that this is a true and correct copy of Plan Sheet 21 of the final plans for Project 8.1620403, identified as Addendum 9, to the minutes on file in my office of the 1 day of SEPTEMBER, 1989, Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 12 day of SEPTEMBER, 1989.

Oct 16

Custodian of Minutes of Board of Transportation

428


-Y7- STA 103+00 BEG. PROJ.
C.M. LINVILLE ET AL
RUTH J LINVILLE
KERNERSVILLE LIMITED PARTNERSHIP
RJ & C.M. LINVILLE & WIFE
NCDOT
PAGE & WREGE INC.
RUSSELL R. DUGGINS
RAYMOND T. EDWARDS
JACK P. JOHNSON
RICKY L. BROWN
WILSON ARMSTRONG
ELMER W. MCNEIL
THOMAS CHAPMAN
WILLIAM E. PHILLIPS
ALEXANDER ALLEY
JAMES B. HALE
G.T. CAMPBELL
MATT J. JAMES
RICHARD J. REYNOLDS JR.
RUFUS W. JAMES
HOWARD IDOL
GARNET D. IDOL
EARL R. JOHNSON
EVERETT E. TYNER
HARVEY S. FARMER
CLYDE L. GURLEY
MICHEL G. ROHATH
HENRY W. NEWSOME
HARVEY I. GRIFFIN
SHEET NO 4A
SEE SHEET NO 6
-Y7- PC Sta 104+02.19
-Y7- PT 109+50.51
-Y7- REV PC 111+31.93
-Y7- REV PT 120+21.02
-Y7- REV PI = 118+03.30
Δ = 17°33'24.9" LT
D = 4°00'
T = 221.95'
Lc = 436.52'
R = 1432.39'
e = 0.060 ft
-Y7- STA 121+92.49 BEG. PROJ. I-621003
-L- STA. 121+92.49 BEG. PROJ. I-621003
-Y7- REV. P.I.N.C. 121+65.83 L.A.
-Y7- P.I.N.C. 121+75.80 L.A.
Δ = 0°20' 27" LT.
-Y7- REV PC 118+22.10
-Y7- REV PT 119+22.49
END DETOUR CONST.
TRAFFIC DIAGRAM
SKETCH SHOWING ROADWAY-BRIDGE PAVEMENT WITH MEL ATIONSHIP
RAMP A
PI = 8+59.55
Δ = 22° 25' 49.9" RT.
D = 4°00'
Rs = 4°00'
Ls = 200'
Ts = 364.23'
Lc = 360.75'
R = 1432.3545'
U = 133.3674'
V = 66.5976'
e = 0.08 %
RAMP B
PI = 4+64.39
Δ = 30°40'46" RT.
D = 5°00'
Rs = 5°00'
Ls = 300'
Ls = 200'
Ts = 481.59'
Ts = 418.22'
Lc = 363.59'
R = 1145.9156'
U = 200.1798'
U = 133.3666'
V = 100.1635'
V = 166.7151'
e = 0.07 %
RAMP B
PI = 11+27.24
Δ = 37° 00' LT
D = 12°00'
Rs = 12°00'
Ls = 200'
Ts = 260.78'
Lc = 408.33'
R = 477.46'
U = 133.6410'
V = 86.9464'
e = 0.08 %
SERVICE ROAD
PI = 13+47.00
Δ = 62° 00' 00" LT
D = 22° 00' 00"
T = 156.49'
L = 281.42'
R = 260.4354'
-Y7-
PI = 107+68.52
Δ = 4°12'15" RT.
D = 1°20'
T = 142.14'
Lc = 324.13'
R = 4297.1635'
-Y7-
PI = 116+09.83
Δ = 21°52'43" LT
D = 5°20'
T = 207.64'
Lc = 410.22'
R = 1074.2959'
RAMP C
PI = 7+93.95
Δ = 14°25'49.8" RT.
D = 3°00'
Rs = 3°00'
Ls = 200'
R = 1905.66'
Ts = 341.86.96'
U = 133.3523'
Lc = 281.0176'
V = 66.6641'
e = 0.07 %
RAMP D
PI = 4+40.55
Δ = 23°10'46" RT.
D = 4°00'
Rs = 4°00'
Ls = 300'
Ls = 200'
Ts = 440.55'
Ts = 397.66'
Lc = 329.49'
R = 1432.3945'
U = 200.1150'
U = 133.3674'
V = 100.1151'
V = 66.6576'
e = 0.08 %
I-40
FORSYTH COUNTY
INTERCHANGE OF I-40 AND NC 66
STA 623+60.85-L- =STA. 111+31.93-Y7-REV
DESIGN BY: BGL
DRAWN BY: JUDI GEILE
DATE: JULY, 1984
SCALE 0 50 100
NOTE: SEE SHEET 5A FOR DITCH BLOCK DETAIL
NOTE: SEE SHEET 5A, 5B FOR TYP PAVT CURB PAVEMENT TO PROP B.T. PAVEMENT
NOTE: SEE SHEET 5A, 5B FOR SHLD DETAIL
NOTE FOR STRUCTURE PLANS SEE SHEETS S-1 THRU S-24
NOTE: SEE SHEET 5A FOR DITCH BLOCK DETAIL
NOTE: SEE SHEET 5A, 5B FOR TYP PAVT CURB PAVEMENT TO PROP B.T. PAVEMENT
NOTE: SEE SHEET 5A, 5B FOR SHLD

429

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHTS.
[redacted]	5	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
B 1620402	[redacted]	R/W

JAMES A. WOOSLEY, JR. DB. 1309, p. 1173 (100)

-Y-REV 2 NOT PART OF PROJECT

MATCH LINE TO SHEET NO. 14A

RUTH T. WOOSLEY DB. 756, p. 292 (99)

ADA W. FOSTER DB. 927, p. 02

JAMES A. WOOSLEY, SR. DB. 1309, p. 1171 DB. 618, p. 332 (108)

JAMES D. KOPP DB. 1364, p. 324 DB. 1336, p. 1382 (98)

MRS. MARY S. WOOSLEY HEIRS DB. 725, p. 429 (101)

N 83° 52' 55" W 330.44'

S 00° 05' 16" W 155.17'

N 83° 47' 15" W 559.81'

N 84° 45' 00" E 1605.00

E 1605.00

N 84° 45' 00"

EXISTING R/W

-L- 145'

END W.W. FENCE @ BRIDGE

-Y-REV 2

EXIST. 2'-6" CURB & GUTTER

EXIST SLOPE STAKES

TEMP. CONST. EASEMENT

EXIST. CONST. EASEMENT

B S T PARKING

255 APTS

288 APTS

N 53° 40' 05" E 637.72'

N 36° 48' 46" W 20.05'

15" TIE FENCE TO EXIST.

EX. R/W MON

R/W MON

DITCH

BERM

100:1 TAPER

BEGIN W.W. FENCE

BEGIN TAPER

COLLAR 10' B S T

COLLAR 125'-20' ENCASEMENT

18" RCP

24" CONC.

DITCH BLOCK

C.B. (CONVERT TO 2SJB)

EX. 18" RCP (RETAIN)

EX. 18" RCP (PLUG) 10' B S T

REMOVE

16"-24" RCP

CONVERT TO SP JB

EXTEND 18" RCP

EX. 24" RCP (REM.)

CLASS B STONE

2.5 TONS

TOP EL 119.09

O.H.

BEG. PROP. W.W. FENCE

EIP JOT = 89.88

149.70'

MATCH LINE TO SHEET NO. 4

END W.W. FENCE @ BRIDGE

-L- POT 2+34.75

-Y-H POT 2+42.44

-Y-REV 2 POT 54+74.98

+76.98

65'

+16 PROP R/W

159'

DET. CONST. LIMITS

BEGIN W.W. FENCE @ BRIDGE

PROP. R/W

EXIST. R/W

N 53° 31' 11" E 212.73

N 53° 37' 57" E 302.86

N 39° 39' 33" E 605.62'

186.82'

L 25 P 168'

EXIST. SHED

EXISTING R/W

PERM. DRAIN. EASEMENT

N 53° 37' 57" E 361.81

N 55° 37' 57" E 91.20'

S 34° 35' 14" E 20.53'

EXIST. R/W

N 53° 12' 39" E 74.49

S 11° 31' 34" E 29.10

EXIST. R/W

S 12° 34' 06" E 66.78'

JWR BUILDING COMPANY, ET AL DB. 1353, p. 1573

JWR BUILDING COMPANY, ET AL DB. 1355, p. 1673

SAMUEL C. WOOSLEY DB. 756, p. 293

JEAN A. CRUTCHFIELD D.B. 1159, P. 1436

OTTIE P. NANCE JR (102)

KATHRYN G. HEIST DB. 1041, p. 5 (103)

(107)

(102A)

CRESTVIEW DR 60

CH = S 2° 07' 46" W R = 952.213

-Y-REV 2 POT 10+00

S 87° 08' 14" E

S 02° 51' 46" W 315.00'

S 87° 08' 14" E 213.89'

S 02° 02' 41" W 232.42'

S 02° 53' 55" W 257.09'

S 13° 05' 16" E 100.00'

STONE

E.I.P.

B & F SPLIT LEVEL

I S B D

NOTES

1. FOR PROFILE OF -L- SHOWN SEE SHEET NO. 4 & 5
2. FOR CROSS SECTION SEE SHEET NO. X-17-18

CURVE DATA -Y- @ 1-40 -Y-REV @ 1-40

PI STA	53+35.20	62+41.31
Δ	06° 37' 03" R	36° 48' 49" R
Dc	03° 00' 00"	06° 00' 00"
R	1909.86'	954.93'
T	110.41'	317.79'
Lc	220.58'	613.56'
Es	3.19'	51.49'
SE	0.03%	0.04
RUNOUT	100.00'	125.00'

CURVE DATA

	-Y-REV 2	-Y-REV 2
PI	51+39.33	63+16.44
Δ	8° 36' 59" RT.	34° 48' 53" RT.
D	3° 00'	6° 45'
Lc	137.21'	365.77'
Ts	218.91'	341.45'
O	2° 15'	5° 03' 45"
Ls	150.00'	150.00'
U	100.01'	100.04'
V	50.01'	50.04'
Rc	1909.86'	845.83'
Super	.03%	.06%

NOT PART OF PROJECT

SKETCH SHOWING PVMT. APPROACH AT BRIDGE

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

I, [redacted], do hereby certify that this is a true and correct copy of revised Plan Sheet 5 of the final plans for Project 8.1620402 as revised plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 1 to the minutes on file in my office of the 1 day of JUNE, 19[redacted].

I have hereunto set my hand this the 11 day of JUNE, 19[redacted]

PRESENTED FOR REGISTRATION AND RECORDED

AUG 2 2 30 PM '90

BOOK 5000 PG

REGISTER OF DEEDS

WAKE COUNTY, N.C.

DEPARTMENT OF TRANSPORTATION

Certified Copy of Minutes of Board of Transportation

U-2011B LINE -Y7-(FAIRLAWN DR. CONN.) & -Y12- (REYNOLDA RD.)

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
	11	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

430

1987/2007 (ADT IN HUNDREDS)

-Y12- PI = 154+49.28
Δ = 10°25'15.8" Rt.
D = 3°30'
T = 149.28'
L = 297.74'
R = 1637.022'

DETAIL LATERAL "V" DITCH
USE ON -Y8- (OLD TOWN ROAD) TURN-AROUND

NOTE:
SEE SHEET NO. 12 FOR -Y7 (FAIRLAWN DR. CONN.) & -Y12 (REYNOLDA RD.) PROFILES
SEE SHEET Y-36 FOR -Y3 TURN-AROUND

-Y7- PI = 13+63.44
Δ = 40°27'04" Rt.
D = 13°00'
L = 86.16'
e = 4.0%
Ls = 225.00'
Ts = 276.40'
U = 150.515'
V = 75.47'
p = 4.7749'
q = 112.256'
R = 440.7368'
SE = 0.03 1/1 (35 MPH- SAFE SIGNING)

PRESENTED FOR REGISTRATION AND RECORDED
AUG 2 2 30 PM '90

I, L. E. [illegible], REGISTER OF DEEDS of said County and State aforesaid, do hereby certify that the foregoing and annexed instrument from the DEPARTMENT OF TRANSPORTATION to the CITY OF WINSTON-SALEM was presented for registration and recorded in this office at the date and hour aforesaid.

Witness my hand and official seal, this the 2nd day of August, 1990.

REGISTER OF DEEDS

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

I, [signature], do hereby certify that this is a true and correct copy of revised Plan Sheet 11 of the final plans for Project 8.2622603, said revised plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 17, to the minutes on file in my office of the 4th day of MAY, 1990. Witness hereunto set my hand this the 14th day of MAY, 1990.

Custodian of Minutes of Board of Transportation

JAMES A. MOTSINGER (428)

BOYD S. MOTSINGER (432)

EMMA LEE PARNELL (436)

W. A. HOLDER (402)

ERNEST W. ANGEL (427)

C. W. ANGEL JR. (429)

BILLY J HODGES (431)

FLOYD ANGEL (430)

RALPH T KIGER (441)

JAMES A. MOTSINGER (435)

ISFD

1SFD

1SBKD

BEGIN BRIDGE STA 18+73.20

END BRIDGE STA 20+76.95

-L- POT 406+7.06 -Y3- POT 19+72.66

END FUT. WW FENCE BEG. PROP WW FENCE

PROPOSED ROCK CHECK DAM

PROPOSED FALSE CUT LT. STA 411+00 TO LT STA 412+00

EXIST BERM DITCH

ANGEL RD. 10' SOIL

PROPERTY CORNER

FUT. 10' PAVED SHOULDER

FUT 4' PAVED SHOULDER

EXIST R/W

FUTURE BARRIER

FUTURE GUARDRAIL

BURY IN CUT

FUT. GR ANCHOR TYPE XI

NOTE: BERM DITCH TO BK EXTRA DEPTH STA 407+25 TO 408+25

MATCH A-A

PI=1467.01 -T- Δ=22°30" LT

PI=5+31.82-T- Δ=29°30" RT

PI=3+90.91-T- Δ=37°57'30" LT

PI=4+46.02-T- Δ=24°23'23"-RT

PI=5+60.49-T- Δ=21°43' RT

CLASS "I" RIP-RAP 20 FT.

T-LINE

2' BASE DITCH SEE TYPICAL

INSTALL 42" RCP PIPE (40' LONG)

30' WIDE RD/DAM

TEMPORARY DRAINAGE EASEMENT LT. STA. 411± L.

2' BASE DITCH, TYP

MIN. D = 1'

PROPOSED GRADE PROFILE ALONG DITCH LINE

DITCH CLEAN OUT PROFILE LEFT STA. 411± L

42" PIPE OUTLET AT STR. #169 ELEV 890.04

42" PIPE INLET ELE: 886.4

END DITCH CLEAN OUT ELE: 887.0

PI 194+19 EL 913.34 VC 2030'

12.1108%

0.5%

NATURAL GROUND PROFILE ALONG DITCH LINE

R/W 117 60d NAIL S. SIDE PP# 99 30' RT OF 15+30 -Y3- OAK GROVE RD EL. 919.61

NOTE: ADDED DITCH EASEMENT LEFT OF STA 411± IN ACCORDANCE WITH A.C. HANKINS MEMO DATED MAY 24, 1990.

PLAN

SURVEYED PLOTTED DESIGNED DRAWN CHECKED STRUCTURE DETAILS

DATE BY

PROJ. REFERENCE NO. 8.1620403 | SHEET NO. 4 | TOTAL SHEETS | F. A. PROJ. NO. | DESCRIPTION R/W

PRESENTED FOR REGISTRATION AND RECORDED

AUG 15 12 28 PM '90

DEPARTMENT OF TRANSPORTATION

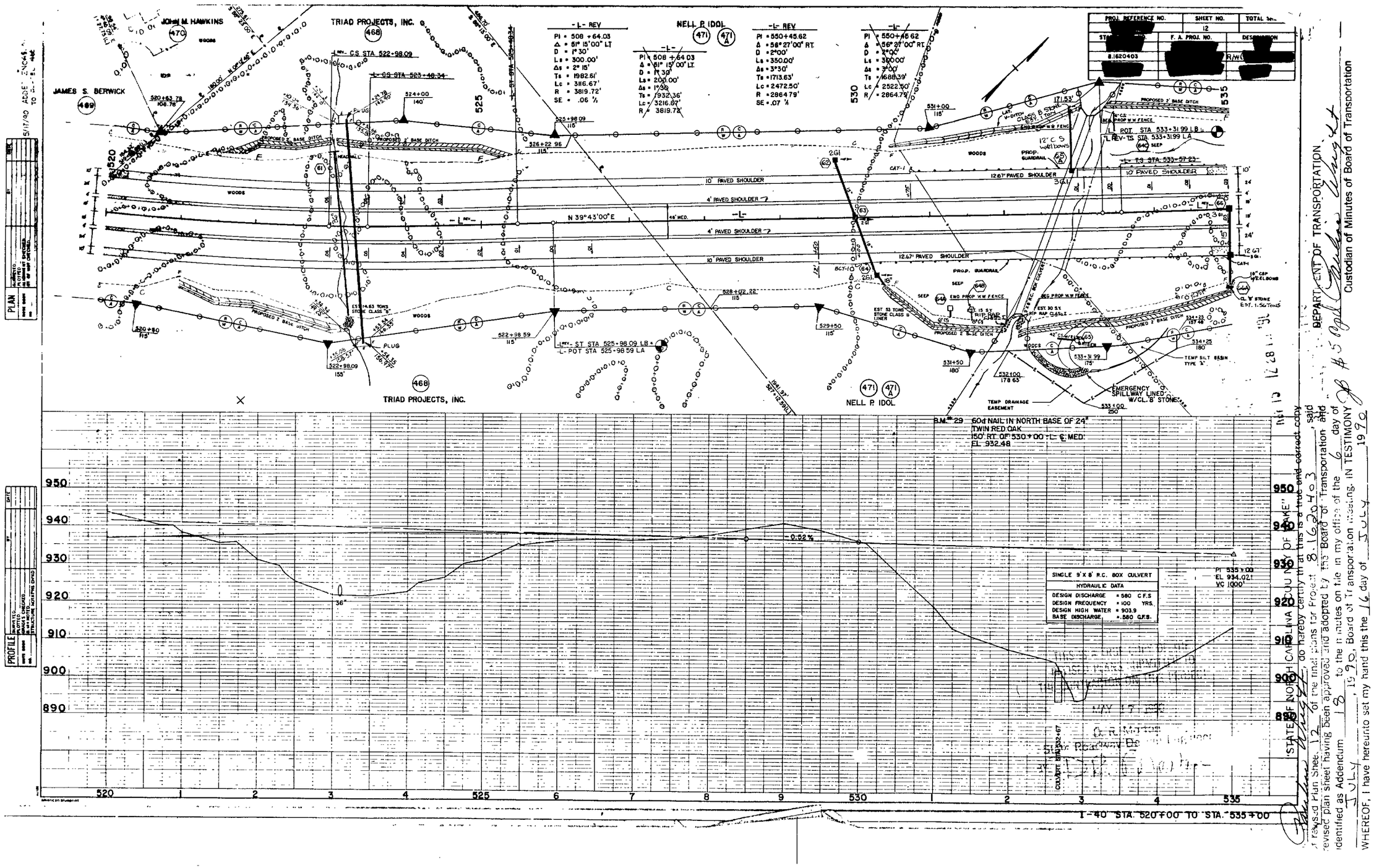
BY: Custodian of Minutes of Board of Transportation

"STATE OF NORTH CAROLINA - COUNTY OF WAKE"

I, ..., do hereby certify th at this is a true and correct c... of revised Plan Sheet 4 of the final plans for Project 8.1620403 ..., said revised plan sheet having been approved and adopted by the Board of Transportation and identified as Addendum 13 ... to the minutes on file in my office of the ... DEPT. OF TRANSPORTATION IN RALEIGH, N.C.

WHEREOF, I have hereunto set my hand this the 13 day of AUGUST 1990.

$6.00 pd.



DEPARTMENT OF TRANSPORTATION

Custodian of Minutes of Board of Transportation

STATE OF NORTH CAROLINA } ss.

I, [illegible], do hereby certify that this is a true and correct copy of the final plans for Project 8.1620403, said revised Plan Sheet 12 of the final plans having been approved and adopted by the Board of Transportation and revised plan sheet having been identified as Addendum 6 to the minutes on file in my office of the day of July, 19 90. Board of Transportation meeting. IN TESTIMONY WHEREOF, I have hereunto set my hand this the 16 day of July 1990