REVISIONS

TRAFFIC DIAGRAM

2005 ADT
2025 ADT
DC DENOTES

CLAYTON BYPASS

	408 587	
388 540		20 47
I-40 1060 1300		I-40 692 807

PROJECT REFERENCE NO.	SHEET NO.
R-2524A	6
R/W SHEET NO.	6,7,8,9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R/W REV.	

METRIC

0 5 10

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — KEVIN M. MONROE — SEAL 036551 — ENGINEER — 9/1/05

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION — SEAL 036551 — ENGINEER — 9/1/05

MATCHLINE TO SHEET 5 –IIYI– STA. 17+20.000

MATCHLINE TO SHEET 7 –IIYI– STA. 24+40.000

MATCHLINE TO SHEET 64 –YREV– STA. 12+80.000

–Y2– +0.000 15.000m (49.21')

–Y2– +20.000 9.461m

–Y2– +20.000 8.828m

–Y2– +07.194 9.005m

–Y2– +01.528 9.005m

–Y2– PCSta. 13+07.194

S 44° 02' 03.9" E

–Y2– ON PL 16.000m (52.49')

450m FULL LANE

END CONSTRUCTION –Y2– POCSta. 13+00.000

CYNTHIA HARRIS, ETAL DB 2841 PG.168

6A

Y2– Sta. 13+09.294 = BY2-202 E+890.843 Offset 6.345 LT

–Y2– +50.000 18.000m (59.06')

–Y2– PCSta. 12+32.390

–Y1– +30.968 = –IIYI– +30.968 50.000m (164.04')

–Y1– +00.000 = –IIYI– +00.000 50.000m (164.04')

GEORGE S PENNY, ET UX DB 2958 PG.172

3

REMOVE EXISTING CONTROL ACCESS FENCE

JIMMY L PENNY DB 2420 PG 469 DB 2481 PG 150

5

–Y2– +40.025 BEGIN WOVEN WIRE FENCE

END APPROACH SLAB –Y2– STA. 12+14.476

END BRIDGE –Y2– STA. 12+05.075

–Y2– RW 15.000m (49.21')

REMOVE EXISTING CONTROL ACCESS FENCE

END WOVEN WIRE FENCE – TIE TO BRIDGE

–IIYI– EX RW 55.000m (180.45')

BEGIN WOVEN WIRE FENCE – TIE TO BRIDGE

–IIYI– POTSta.19+25.877 = –Y2– POTSta.11+64.325

BEGIN GUIDERAIL ANCHOR STA. 19+64.413

END GUIDERAIL ANCHOR STA. 18+87.377

END SPECIAL GRADING –IIYI– STA. 20+74.601

BEGIN GUIDERAIL ANCHOR STA. 17+09.244

BEGIN SPECIAL GRADING –IIYI– STA. 17+71.337

END WOVEN WIRE FENCE – TIE TO BRIDGE

BEGIN SPECIAL GRADING (MAX. 6:1 SLOPES)

–WB–

–EB–

–FLYLWREV– PI Sta 20+18.968 Δ= 85° 46' 56.0" (RT) D= 1° 43' 18.2" T= 928.968 R= 1000.000 S.E.= 0.05

Pls Sta 26+17.188 Gs = 2° 34' 41.9" Ls = 50.000 LT = 60.006 ST = 30.006

–FLYLWREV– STSta. 26+77.182 = –IIYI– POTSta. 23+08.972 (21.5m LT.)

90m TAPER

–IIYI– Sta. 22+13.014 = BY1-105 N+60.376 Offset 1.749 RT

–IIYI– +50.000 55.000m (180.45')

–FLYLWREV– CSSta. 25+87.182

MARY POWELL WARD WHITE, ET AL DB 3244 PG.4

7

–FLYLWREV– +55.632 86.372m (119.33')

30m INC.

0.6m LATERAL GRASS SWALE SEE DETAIL B EST. DDE 25 CU. M

COLLAR & EXTEND

–FLYLWREV–

REMOVE 2GI & COLLAR /EXT.

REMOVE /REPLACE 2GI COLLAR AND EXT. 600

REMOVE 2GI AND REPLACE W/TRIB W/MH

PROP. RW by TAKING

–FLYLEREV– POCSta. 32+72.479 = –Y2– POTSta.11+20.085

–Y1– +81.153 50.000m

–FLYLEREV– STA. 33+16.415

END –FLYLEREV– PAVEMENT BEG. –IIYI– PAVEMENT

–Y2– +80.000 18.000 (59.06')

–Y2– +80.000 EX. R/W

–Y1– +80.000 = –IIYI– +80.000 55.000m (180.45')

–Y1– +00.000 = –IIYI– +00.000 50.000m (164.04')

BEGIN BRIDGE –Y2– STA. 10+96.275

BEGIN APPROACH SLAB –Y2– STA. 10+86.875

–FLYLEREV– CSSta. 34+24.173

THOMAS H. PENNY DB 1693 PG 232 DB 1056 PG 647

2

–Y2– +69.728 13.735 END WOVEN WIRE FENCE

COLLAR AND EXTEND

–Y2– PCSta. 10+60.623

BEGIN CONSTRUCTION –Y2– POTSta. 10+60.000

–YREV– POTSta. 10+00.000 = –Y2– POTSta. 10+36.576

–YREV– POTSta. 10+03.492 BEGIN CONSTRUCTION

–Y2– +40.645 9.414

–Y2– +27.556 9.335

–Y2– +00.000 9.082

–Y2– +00.000 9.206

–Y2– POTSta. 10+00.000

–Y2– +00.000 15.000m (49.21')

–YREV– +35.000 0.000m

–YREV– PTSta. 10+57.230

–YREV– +70.000 25.000m (82.02')

–YREV– PCSta. 11+04.527

–YREV– +20.000 15.000m (49.21')

–YREV– PCSta. 10+14.892

–YREV– +04.527 15.000m (49.21')

–YREV– +22.281 15.000m (49.21')

–YREV– PTSta. 12+22.281

–YREV– 12+00

–YREV– +22.281 15.000m (49.21')

–Y2– STA. 8+69.454 = BY2-203 N+00.000 BEGIN –Y2– STA. 4,790 RT 76+85.200

BY1-104 I3+58.548 Offset 2.066 RT

–IIYI– STA. 19+51.187 =

–Y2– STA. 8+69.454 = BY2-203 N+00.000 BEGIN –Y2– STA. 4,790 RT

–FLYLEREV– TSSta. 31+33.788

–FLYLEREV– +00.000 24.000m (78.740')

–FLYLEREV– SCSta. 32+23.788

–Y2– PTSta. 10+94.605

–FLYLEREV– PTSta. 32+73.788

–FLYLEREV– STSta. 28+14.858

–FLYLE– STSta. 30+15.838

–FLYLE– CSSta. 29+25.838

–FLYLE– SCSta. 29+11.877

–FLYLE– +30.000

–LPB– STA. 23+26.890

END –LPB– PAVEMENT BEG. –IIYI– PAVEMENT

–FLYLE–SCSta. 28+57.389

–LPB– CSSta. 23+11.877

–LPB– SCSta. 21+16.798

–LPB– +16.798 TRANSITION

PI Sta 10+77.616 Δ= 1° 56' 49.2" (RT) D= 33.962 L= 69.193 R= 1000.000 S.E.= 0.04 R.D.= 24

PI Sta 12+67.275 Δ= 18° 51' 48.6" (RT) D= 32.736 L= 69.138 T= 34.885 R= 210.000 S.E.= 0.08 R.D.= 48

PI Sta 13+53.010 Δ= 18° 55' 02.0" (RT) D= 90.796 L= 46.816 R= 275.000 S.E.= EXIST.

PI Sta 27+54.963 Gs = 30° 58' 41.5" Ls = 90.000 LT = 60.016 ST = 30.005

PI Sta 31+93.736 Gs = 3° 56' 41.9" Ls = 90.000 LT = 60.009 ST = 30.008

PI Sta 33+24.420 Δ= 18° 01' 11.0" (LT) D= 1° 56' 41.9" L= 200.286 R= 1001.33 LT = 90.000 ST = 30.000 S.E.= 0.06

PI Sta 34+64.180 Gs = 12° 56' 41.9" Ls = 90.000 LT = 60.009 ST = 30.008

PI Sta 20+86.657 Gs = 32° 18' 03.9" Ls = 90.000 LT = 60.000 ST = 32.380

PI Sta 23+34.909 Δ= 19° 19' 55.5" (RT) D= 1° 55' 02.1" L= 192.060 R= 298.11 Ls = 90.000 LT = 60.000 ST = 30.034

PI Sta 23+42.262 Gs = 19° 19' 44.7" Ls = 90.000 LT = 60.000 ST = 30.034

PI Sta 28+19.657 Δ= 6° 32' 11.8" (LT) D= 9° 33' 48.5" L= 654.45 R= 600.000 S.E.= 0.08

PI Sta 29+55.854 Gs = 4° 17' 49.3" Ls = 90.000 LT = 60.018 ST = 30.016

PI Sta 10+36.383 Δ= 24° 16' 28.4" (RT) D= 22.536 L= 21.491 R= 100.000 S.E.= 0.03 R.D.= SEE PLANS

PI Sta 11+64.57 Δ= 26° 19' 13.3" (LT) D= 17.751 L= 69.990 R= 250.000 S.E.= 0.04 R.D.= 26

S 22° 25' 32.7" W

N 22° 19' 44.7" E

S 3° 18' 51.3" W

REMOVE 750 RCP 1.0m BASE DITCH (SIDE – 420 m²) SEE DETAIL T

REMOVE 750

HDWL PIPE BURIED – .18m

0.6m LATERAL GRASS SWALE EST. DDE 188 CU. M SEE DETAIL B

0.6m SPECIAL CUT GRASS SWALE SEE DETAIL C

SPECIAL CUT DITCH SEE DETAIL F

LATERAL V DITCH EST. DDE 43 CU. M SEE DETAIL O

CHANNEL OUTLET PROTECTION CL "I" RIP-RAP EST. 6.4 MTNS FILTER FABRIC EST. 117 SM PIPE BURIED – .15m SEE DETAIL N

CHANNEL OUTLET PROTECTION CL "I" RIP-RAP EST. 8.6 MTNS FILTER FABRIC EST. 15.3 SM PIPE BURIED – .18m SEE DETAIL H

TOE PROTECTION CLASS B RIPRAP EST. 33 MTNS FILTER FABRIC EST. 72 SM SEE DETAIL E

GRADE TO DRAIN SEE X-SECTIONS

GRADE TO DRAIN TO ROADSIDE DITCH

STD. BERM DITCH

STD. DECK DRAINS 150mm DIA. 3.6m CENTERS@=400mm PVC PIPE

TYPE B-77

IAU-350

PROP. PIER

EXIST. GUARDRAIL

TYPE 2GI

TYPE D

TRIB. W/MH

400 CSP

450 CSP W/ELBOW

600 CSP

1200 CSP

1500 CSP

RETAIN

FS

SGI-TBDI 400 CSP CLASS "B" RIP-RAP EST. 1.8 MTNS FILTER FABRIC EST. 2.9 SM

SGI-TBDI 600 CSP CLASS "B" RIP-RAP EST. 3.6 MTNS FILTER FABRIC EST. 5.9 SM

SGI-TBDI 750 CSP CLASS "B" RIP-RAP EST. 5.4 MTNS FILTER FABRIC EST. 8.8 SM

TOE PROTECTION CLASS "B" RIP-RAP EST. 41 MTNS FILTER FABRIC EST. 104 SM SEE DETAIL E

0.6m SPECIAL CUT GRASS SWALE SEE DETAIL C

0.6m LAT. GRASS SWALE EST. DDE 132 CU. M SEE DETAIL B

0.6m SPECIAL CUT GRASS SWALE SEE DETAIL C

0.6m LATERAL GRASS SWALE EST. DDE 188 CU. M SEE DETAIL B

0.6m LATERAL GRASS SWALE EST. DDE 25 CU. M SEE DETAIL B

HDWL PIPE BURIED – .18m

CHANNEL OUTLET PROTECTION CL "I" RIP-RAP EST. 6.4 MTNS FILTER FABRIC EST. 117 SM PIPE BURIED – .15m SEE DETAIL N

CHANNEL OUTLET PROTECTION CL "I" RIP-RAP EST. 8.6 MTNS FILTER FABRIC EST. 15.3 SM PIPE BURIED – .18m SEE DETAIL H

CHANNEL OUTLET PROTECTION CL "I" RIP-RAP EST. 8.6 MTNS FILTER FABRIC EST. 15.3 SM PIPE BURIED – .18m SEE DETAIL H

REMOVE EXISTING CONTROL ACCESS FENCE

REMOVE EXISTING CONTROL ACCESS FENCE

REMOVE 2GI COLLAR /EXT.

REMOVE 2GI TYPE A

REMOVE 2GI TYPE D

REMOVE 400 CSP

REMOVE 750

REMOVE 375 –Y2– +40.025 BEGIN WOVEN WIRE FENCE

REMOVE 2GI AND REPLACE W/TRIB W/MH

REMOVE 2GI TYPE A

REMOVE 2GI TYPE D

REMOVE 400 CSP

REMOVE 750

REMOVE 750 RCP 1.0m BASE DITCH (SIDE – 420 m²) SEE DETAIL T

REMOVE 2GI COLLAR AND EXT. 600

REMOVE /REPLACE 2GI COLLAR AND EXT. 600