PROJECT REFERENCE NO.	SHEET NO.
B-4741	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 033298 ENGINEER JEFFREY L. TEAGUE
11/17/2014
DocuSigned by: Jeffrey L. Teague
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HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 023510 ENGINEER RONALD D. FERGUSON
11/17/2014
DocuSigned by: Ronald Ferguson
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8/17/99

REVISIONS

SKETCH SHOWING PAVEMENT /BRIDGE RELATIONSHIP

(NOT TO SCALE)

BEGIN SBG -L- STA. 19+15.25
END SBG -L- STA. 19+39.69
BEGIN APPROACH SLAB -L- STA. 19+39.69
BEGIN BRIDGE -L- STA. 19+50.69
END APPROACH SLAB -L- STA. 22+44.31
END BRIDGE -L- STA. 22+33.31

4' P.S. GRAU 350 TL-3 TYPE III 20+00 4'-3" TYPE III AT-1 4' P.S.
-L- S 26° 30' 35.8" E
GRAU 350 TL-3 TYPE III 4'-3" TYPE III AT-1 4' P.S.

POT Sta. 10+00.00 -Y1-
BEGIN CONSTRUCTION POT Sta. 10+50.00 -Y1-
PC Sta. 10+67.70 -Y1-
PT Sta. 11+16.08 -Y1-
★ DO NOT DISTURB BRICK WALL & BRICK COLUMN
BEGIN CONSTRUCTION POT Sta. 10+95.00 -DRW1-
PT Sta. 10+94.04 -DRW1-
PC Sta. 10+00.00 -DRW1-
PC Sta. 10+00.00 -DRW1A-
BEGIN CONSTRUCTION POC Sta. 10+65.00 -DRW1A-
PT Sta. 10+77.87 -DRW1A-
NAD 83/95

BEGIN TIP PROJECT B-4741
-L- POT STA.12+00.00

POT Sta. 11+44.79 -Y1- =
POC Sta. 14+75.00 -L-

ACCESS TO THE SAMPLING STATION MUST BE PROVIDED AT ALL TIMES.

MATCH LINE -L- STA.21+00 SEE SHEET 5

DO NOT DISTURB EXIST.66" SANITARY SEWER LINE (SEE PROJECT SPECIAL PROVISION)

WILLIAM M & LINDA L LEINBACH DB 1722 PG 62 DB 1215 PG 1023
BANNER C WILLIAMS & JANICE B KING DB 1824 PG 1504 PB 47 PG 83 LOT 5
JONOTHAN H & KIMBERLY J HAYES DB 1797 PG 1489 PB 47 PG 83 LOT 4
JOHN P & AMANDA L BLALOCK DB 1889 PG 1329 PB 47 PG 83 LOT 3
1 JAMES I & JULIA R CRINITI DB 1841 PG 336 PB 47 PG 83 LOT 2
2 BUEL B & VICKIE B BARKER DB 1586 PG 318 PB 47 PG 83 LOT 1
JOSE & MICHELLE SANTOS-RODRIGUEZ DB 1798 PG 1894 PB 47 PG 83 LOT 31
2A BUEL B & VICKIE B BARKER DB 1586 PG 318 PB 47 PG 83 LOT 32
3 CITY OF WINSTON-SALEM DB 1066 PG 662 DB 1066 PG 665
4 PATRICK W & BRENDA S GRADY DB 1829 PG 729 PB 20 PG 75
VICKY S PUCKETT DB 697 PG 506 PB 20 PG 75
5 RONDALL D & BETTY P SEARS DB 1185 PG 1098
6 RENE G & LAURIE R MARTINEZ DB 1079 PG 1464
7 ROBERT E LUNSFORD DB 1053 PG 1647
JASON E & MISTY L VARNER DB 970 PG 1473
8 MICHAEL S & SHANNON HENDRICKS DB 1967 PG 329
AMANDA LEONARD DB 1060 PG 1901 PB 21 PG 10 LOT 1
WILLIE G SMITH DB 696 PG 535 PB 20 PG 71
JAMES E FISH, JR DB 866 PG 1157 PB 20 PG 75

POT Sta. 10+00.00 -L-
PC Sta. 13+45.27 -L-
POT Sta. 16+19.09 -L-
POT Sta. 11+70.51 -DRW1- =
POT Sta. 16+51.05 -L-
POT Sta. 11+74.30 -DRW1A- =
POT Sta. 10+00.00 -DRW2- =
POT Sta. 18+08.62 -L-
PC Sta. 10+20.00 -DRW2-
PT Sta. 10+72.36 -DRW2-
PC Sta. 11+44.69 -DRW2-
PT Sta. 11+98.56 -DRW2-
END CONSTRUCTION POT Sta. 12+02.02 -DRW2-

DETAIL D
PREFORMED SCOUR HOLE
*NOT TO SCALE
PLAN VIEW
INSTALL LEVEL AND FLUSH WITH NATURAL GROUND
Permanent Shall Reinforcement matting (PSRM)
Pipe or Ditch Outlet
Square Preformed Scour Hole (PSH)
(Rip Rap in basin not shown for clarity)
Seed with native grasses at installation
B= 4.0' D= 2.0' W= 5.0'
SECTION A-A
PIPE (d = 15" OR 18")
FILL SLOPE
INFLOW
PSRM
NATURAL GROUND
LINER: CLASS B RIPRAP WITH GEOTEXTILE
MIN. 1' TUCK
308
-L- STA. 19+20 LT

DETAIL A
SPECIAL LATERAL 'V' DITCH
(Not to Scale)
Natural Ground 2:1 or Flatter D 4:1 or Flatter Fill Slope
Min. D= 1.0 Ft.
FROM -L- STA. 13+75 TO STA. 15+50 RT
FROM -L- STA. 17+00 TO STA. 17+85 LT
FROM -L- STA. 12+50 TO STA. 14+30 LT
FROM -L- STA. 16+00 TO STA. 17+00 RT

DETAIL B
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground 4:1 D 4:1 or Flatter Front Ditch Slope
Min. D= 1.0 Ft.
FROM -DRW1A- STA. 10+75 TO STA. 11+40 RT

DETAIL C
DECK DRAIN DISSIPATOR PAD
(Not to Scale)
DISSIPATOR PAD
PLAN VIEW
*NOTE: CENTER PAD DIRECTLY BELOW DECK DRAINS
GROUND
GEOTEXTILE
PROFILE VIEW
L= 105 LF
Type of Liner= 22 TONS CL B Rip-Rap
Geotextile= 47 SY
FROM -L- STA. 19+72 TO STA. 20+77 LT

NOTE: PLACE 8"x6" DECK DRAINS ON 5' CENTERS
STA. 19+60 TO 20+05 LT
STA. 20+20 TO 20+65 LT
STA. 20+80 TO 20+90 LT
STA. 21+82 TO 22+27 LT

DETAIL E
TEMPORARY SPECIAL LATERAL 'V' DITCH
(Not to Scale)
NATURAL GROUND 2:1 D 2:1 VAR. 1.5:1 TO 3:1 Temp. Fill Slope
Min. D= 1.0 Ft.
FROM -L- STA. 17+00 TO STA. 19+35 LT

-Y1-
PI Sta 10+91.91
Δ = 5° 12' 01.5" (RT)
D = 10° 44' 58.8"
L = 48.38'
T = 24.21'
R = 533.00'
SE = SEE PLANS
RO = SEE PLANS
(A) S 49° 22' 27.8" W
(B) S 54° 34' 29.3" W

-L-
PI Sta 14+83.18
Δ = 16° 56' 33.1" (RT)
D = 6° 11' 14.8"
L = 273.82'
T = 137.92'
R = 926.00'
SE = 0.04
RO = 94'

-DRW1-
PI Sta 10+63.23
Δ = 97° 57' 59.0" (LT)
D = 104° 10' 26.9"
L = 94.04'
T = 63.23'
R = 55.00'
(C) S 52° 49' 57.0" W

-DRW1A-
PI Sta 10+49.33
Δ = 89° 13' 46.2" (RT)
D = 114° 35' 29.6"
L = 77.87'
T = 49.33'
R = 50.00'
(D) S 60° 01' 42.3" W

-DRW2-
PI Sta 10+47.98
Δ = 50° 00' 00.0" (LT)
D = 95° 29' 34.7"
L = 52.36'
T = 27.98'
R = 60.00'
(E) S 60° 01' 42.3" W
(F) S 10° 01' 42.3" W
(G) S 61° 27' 53.1" W

PI Sta 11+73.59
Δ = 51° 26' 10.8" (RT)
D = 95° 29' 34.7"
L = 53.86'
T = 28.90'
R = 60.00'

PAVED SHOULDER
BRIDGE APPROACH SLAB
PAVEMENT REMOVAL

FOR -L-, -Y1-, & -DRW1- PROFILE, SEE SHEET NO. 6
FOR -DRW1A- & -DRW2- PROFILE, SEE SHEET NO. 7
FOR STRUCTURE PLANS, SEE SHEETS S-1 THRU S-27
ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

01-NOV-2014 09:54
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$$$$USERNAME$$$$