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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
B-5662	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 036853 ENGINEER BRIAN E. HIGH — 5/18/2020

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 033880 ENGINEER LEAH N YOUNG — 5/18/2020

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

KCI http://www.kci.com
Engineers • Planners • Scientists • Construction Managers
4505 Falls of Neuse Road, Suite 400
Raleigh, NC 27609
Phone (919) 783-9214 • Fax (919) 783-9266

-L-

PI Sta 10+84.56	PI Sta 15+10.79	PI Sta 18+22.36	PI Sta 21+52.29
△ = 0° 10' 01.5" (LT)	△ = 14° 55' 31.0" (LT)	△ = 13° 48' 58.6" (LT)	△ = 18° 57' 08.9" (LT)
D = 0° 05' 55.6"	D = 4° 18' 28.6"	D = 4° 58' 56.1"	D = 4° 58' 56.1"
L = 169.12'	L = 346.46'	L = 277.31'	L = 380.40'
T = 84.56'	T = 174.22'	T = 139.33'	T = 191.95'
R = 58,000.00'	R = 1,330.00'	R = 1,150.00'	R = 1,150.00'
DS = 60 mph	DS = 60 mph	DS = 55 mph	DS = 55 mph
e = NC	e = .06	e = .06	e= .06
	RO = 162'	RO = 162'	RO = 162'

NAD 83/NA 2011

MATCHLINE -EL- 19+25 – SEE INSET A

-L- PC Sta. 10+00.00

-L- PT Sta. 11+69.12

-L- PC Sta. 13+36.57

-L- PCC Sta. 16+83.03

-L- PCC Sta. 19+60.34

-L- POC Sta. 19+78.00

-L- PT Sta. 23+40.74

LLOYD C. MANLEY DB 1561 PG 178 (1)

FRED L. NEVILLE DB 792 PG 211 PB 14 PG 86

ELEANOR HOLLEY DB 1793 PG 441 PB 6 PG 40-D

VERGIE F. JOHNSON DB 1793 PG 441 PB 6 PG 40-D

MARTHA CAPEL MERRITT DB 1913 PG 681 (2)

WALTER JAMES TILLERY DB 02-E PG 52 PB 6 PG 40-D

ANDESEN, LLC DB 2181 PG 87 PC 6 SLIDE 74-N (3)

-L- +00.00 EXIST R/W 70.00' LT

-L- +69.12 70.00' LT

-L- +36.57 70.00' LT

-L- +46.00 90.00' LT

-L- +60.00 90.00' LT

-L- +83.03 70.00' LT

-L- +60.34 70.00' LT

-L- +78.00 EXIST R/W 70.00' LT

-L- +00.00 EXIST R/W 75.00' RT

-L- +69.12 75.00' RT

-L- +36.57 75.00' RT

-L- +83.03 75.00' RT

-L- +60.34 75.00' RT

-L- +78.00 EXIST R/W 75.00' RT

-L- +79.00 30.00' RT

-L- +00.00 78.00' RT

CLASS II RIPRAP TO ELEV. 43.3' STA +81 (STRUCTURES PAY ITEM)

CLASS II RIPRAP TO- ELEV. 43.3' STA +41 (STRUCTURES PAY ITEM)

STD. RIPRAP PAD CL. B EST 1 TON EST 5 SY GT

15" W/2 ELBOWS

SBGE BEGIN AT APP. SLAB END +52

TOE PROTECTION SEE DETAIL 1

EXCAVATION ELEV = 35.0'

EXCAVATION ELEV = 37.0'

CLASS II RIPRAP TO ELEV. 43.3' STA +83 (STRUCTURES PAY ITEM)

REMOVE EXISTING BRIDGE

CLASS II RIPRAP TO ELEV. 43.3' STA +39 (STRUCTURES PAY ITEM)

CONOCONNARA SWAMP

NC 561 26' PAVED ROADWAY

-TO US 258

-DET-

-EL-

PUE

TUE

GREU TL-3

8:1 TAPER

50' TAPER

EXISTING R/W

WOODS

CULTIVATED

UNKNOWN

18" RCP

BL-103

BL-104

BM-2

TB 2GI

0402

0403

0401

N 9° 37' 13.3" E

N 10° 20' 51.3" E

N 9° 52' 11.4" E

N 01°20'36" W 66.83'

N 01°20'36" W 90.00'

N 37°28'36" W 101.10'

N 37°28'36" W 95.40'

S 43°32'50" W 240.59'

S 54°39'05" W 271.79'

S 54°39'05" W 297.37'

S 54°39'05" W 313.79'

N 54°48'22" E 168.87'

N 07°20'20" E 301.07'

N 35°44'22" E 230.39'

N 35°44'22" E 200.00'

S 61°15'38" E 313.52'

S 35°54'38" E 61.39'

RETAIN

TO NC 562/US 401

END UTILITY CONST.
-L- STA. 21+79.00

END TIP PROJECT B-5662
-L- STA. 20+40.14 =
-DET- STA. 20+30.72

BEGIN TIP PROJECT B-5662
-L- STA. 10+00.00 =
-DET- STA. 10+00.00 =
-EL- STA. 19+79.22

BEGIN APPROACH SLAB
-L- STA. 14+91.83

BEGIN BRIDGE
-L- STA. 15+06.00

END APPROACH SLAB
-L- STA. 16+30.17

END BRIDGE
-L- STA. 16+16.00

INSET A

-EL- PT Sta. 12+85.63

-EL- PC Sta. 13+23.86

-EL- PT Sta. 16+99.09

-EL- PC Sta. 18+95.80

PONDING STILL PRESE

-EL- NC 561

SR 1123 COMMUNITY CENTER RD TO CONOCONNARA RD

PROPOSED DRIVE 6" INCIDENTAL STONE BASE

STD. RIPRAP PAD CL. B EST 1 TON EST 5 SY GT

15" ALT. PIPE

-EL- +21.00 76.00' RT

-EL- +59.66 EXIST R/W

-EL- +59.35 76.00' RT

-EL- +80.97 TIE TO EXIST R/W

BEGIN UTILITY CONST.
-EL- STA. 12+59.66

PI Sta 11+42.85	PI Sta 15+11.48	PI Sta 20+22.07
△ = 3° 05' 16.3" (LT)	△ = 0° 28' 40.0" (LT)	D = 0° 05' 55.6"
D = 1° 04' 51.8"	D = 0° 07' 38.4"	L = 252.54'
L = 285.63'	L = 375.24'	T = 126.27'
T = 142.85'	T = 187.62'	R = 58,000.00'
R = 5,300.00'	R = 45,000.00'	

DETAIL 1
TOE PROTECTION
(Not to Scale)

3:1 or Flatter Fill Slope — Natural Ground — d — Geotextile

d = 1 ft.

Type of Liner = CLASS B RIPRAP EST 610 TONS EST 1350 SY GT

FROM -L- STA. 10+04.25 TO STA. 14+80.00 RT
FROM -L- STA. 16+45.00 TO STA. 19+66.50 RT

FROM -L- STA. 10+16.00 TO STA. 14+78.00 LT
FROM -L- STA. 16+52.00 TO STA. 19+70.00 LT

BRIDGE APPROACH SLAB

STRUCTURE EXCAVATION

FOR -L PROFLE SEE SHEET 5
FOR -DET- SEE SHEET 4A
FOR STRUCTURE PLANS, SEE SHEETS S-1 THRU S-?

18-MAY-2020 16:17
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$$$$ USERNAME $$$$