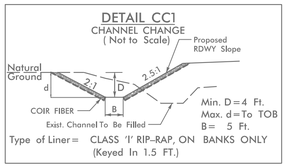
REVISIONS

HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
U-6202	EC-28/CONST.5A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007

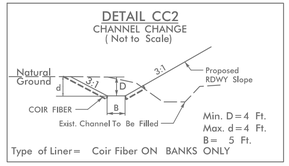
DETAIL CC1
CHANNEL CHANGE
(Not to Scale)



Type of Liner = CLASS 'I' RIP-RAP, ON BANKS ONLY (Keyed In 1.5 FT.)

FROM –Y3– STA. 15+40 TO STA. 20+00 RT

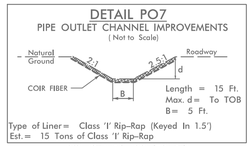
DETAIL CC2
CHANNEL CHANGE
(Not to Scale)



Type of Liner = Coir Fiber ON BANKS ONLY

FROM –Y3– STA. 20+00 TO STA. 22+50 RT

DETAIL PO7
PIPE OUTLET CHANNEL IMPROVEMENTS
(Not to Scale)



Type of Liner = Class 'I' Rip-Rap (Keyed In 1.5')
Est. = 15 Tons of Class 'I' Rip-Rap

–Y3– STA. 16+32 (53' RT)

INSTALL FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE 'C' AS DIRECTED BY ENGINEER.

UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS /JURISDICTIONAL AREAS, AND AS DIRECTED BY THE ENGINEER

–Y3– CS Sta. 18+98.20

END 1.5" MILL & FILL
BEGIN CONSTRUCTION
NORTHBOUND LANES
–Y3– POC Sta. 20+05.00

–Y3– ST Sta. 20+98.20

BEGIN 1.5" MILL & FILL
NORTHBOUND LANES
–Y3– POC Sta. 16+65.25

BEGIN CONSTRUCTION
SOUTHBOUND LANES
–Y3– POC Sta. 15+40.00

REMOVE PIPE & FUNNEL DRAIN

BEGIN SBG +50.00

TIE TO EXIST. G/R STA. 20+39.89

CLASS 'B' RIP-RAP
EST. 3 TONS
EST 10 SYCF

225' EOT TAPER

100' EOT TAPER

BEGIN 1'-6" C&G +40.00

END 1'-6" C&G +65.25

BEGIN HANDRAIL +40.00

FUTURE 2'-6" C&G

FUTURE 10' MUP

BEGIN 120" WD FENCE RESET
15+00.00, 58.85' RT.

15+40.00
67.00' RT

END 120" WD FENCE RESET
17+00.00, 81.00' RT.

PIPE OUTLET CHANNEL
BANK STABILIZATION
SEE DETAIL PO7

CHANNEL CHANGE
SEE DETAIL CC1
EST. 130 TONS
EST. 185 SYCF

CHANNEL CHANGE
SEE DETAIL CC2

REMOVE

FILL w/ FLOWABLE FILL

S 17° 15' 32.8" W
US 117 SB/NC 132 SB/N COLLEGE RD 38' BST

US 117 NB/NC 132 NB/
N COLLEGE RD 20' BST

PROP. CONC. ISLAND

MONOLITHIC CONC ISLAND

36" C&G CONC

9' FDPS

2' PS

8:1

18" RCP-IV

15" RCP-IV

24" RCP-IV

SA01 CB-F

SA02 DI

SA03 DI

SA04

SA05 CB-F

SA06 EIR

33' INC.

14' EXIST

22' EXIST

22.5' EXIST

14.86' EXIST

RETAIN

10' MUP

JS NONMT

JS MIT

CFW

CONC.

48" CMP

30" CMP

REMOVE 30" CMP

PDE

TS POLE

BRACE POLE

EXISTING R/W VARIES

CAROLINA POWER AND LIGHT EASEMENT - P - DB 1004 P. 186

(TS)

16
ROBARD DEVELOPMENT COMPANY

18
JAMES C. SCOTT AND WIFE LINDA D. SCOTT

BAY SHORE DEVELOPMENT, LLC

17Z
LINDA C. WILSON AND DAUGHTER CATHERING OLIVIA WILSON

–Y3–

Pls Sta 11+33.37	Pl Sta 15+56.08	Pls Sta 19+64.90
Θs = 3° 58' 20.2"	Δ = 27° 44' 03.8" (RT)	Θs = 3° 58' 20.2"
Ls = 200.00'	D = 3° 58' 20.2"	Ls = 200.00'
LT = 133.37'	L = 698.20'	LT = 133.37'
ST = 66.70'	T = 356.08'	ST = 66.70'
	R = 1,442.39'	
	e = 6%	
	R0 = 198'	

MATCHLINE –Y3– 22+50 SEE SHEET 5

NOTE:
1. ALL DRIVEWAYS HAVE 10' RADII UNLESS OTHERWISE NOTED.