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PROJECT REFERENCE NO.	SHEET NO.
BP1-R009	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 037874 ENGINEER TIMOTHY D. COLLINS
Timothy Collins

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 033180 ENGINEER MIRANDA LOUISE SALTER
Miranda Salter
7CF95517C0F448E...

Prepared by
vhb
940 Main Campus Drive, Suite 500
Raleigh, NC 27606
NC License No. C-3705

8/17/99

-L-

PI Sta 15+73.63
Δ = 10° 32' 45.5" (LT)
D = 4° 43' 24.5"
L = 223.27'
T = 111.95'
R = 1,213.00'
SE = 0.045
RO = 81'

DETAIL 1
TOE PROTECTION
(Not to Scale)

d=1.0 Ft.
Type of Liner= CLASS B RIP RAP

FROM STA. 12+00 TO STA. 13+67 -L- RT
FROM STA. 14+60 TO STA. 15+92 -L- RT
FROM STA. 11+65 TO STA. 13+67 -L- LT
FROM STA. 14+60 TO STA. 15+77 -L- LT

DETAIL 2
BANK STABILIZATION
(Not to Scale)
TYPICAL X-SECTION VIEW

EST 250 TONS
EST 265 SY GEOTEXTILE
EST 40 CY EXCAVATION

AT STA. 14+00 -L-
AT STA. 14+33 -L-

DETAIL 3
SPECIAL BASE DITCH
(Not to Scale)

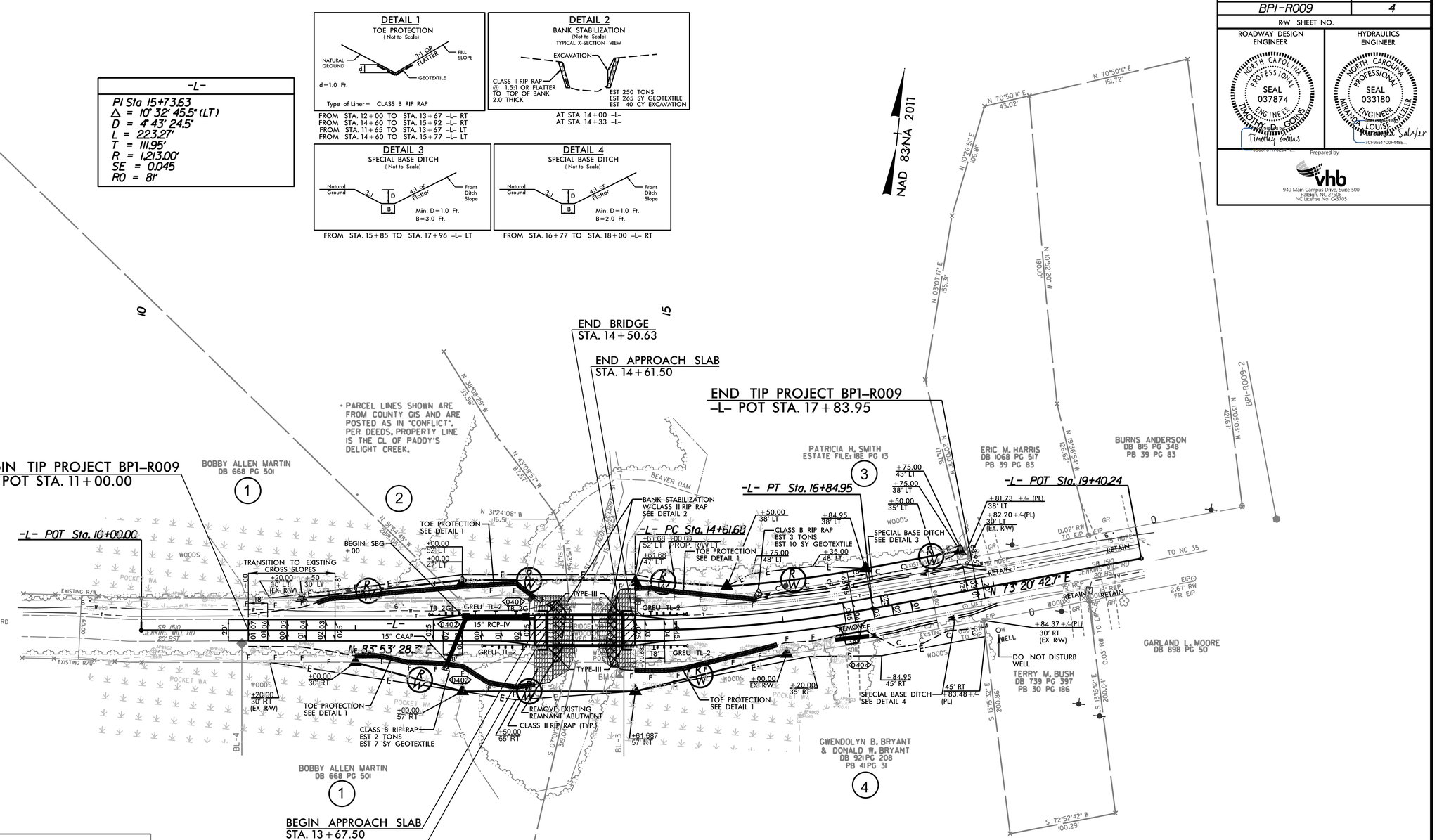
Min. D=1.0 Ft.
B=3.0 Ft.

FROM STA. 15+85 TO STA. 17+96 -L- LT

DETAIL 4
SPECIAL BASE DITCH
(Not to Scale)

Min. D=1.0 Ft.
B=2.0 Ft.

FROM STA. 16+77 TO STA. 18+00 -L- RT



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY JMT FOR MONUMENT "CENTROID"
WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 962810.000(ft) EASTING: 2518860.000(ft)
ELEVATION: 59.000(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.0000703084
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "CENTROID" TO -L- STATION IS

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

BM1 ELEVATION = 46.42
N 962767 E 2518898
BL STATION 8+54.00 27 RIGHT
SPIKE IN 22" OAK

RIGHT OF WAY AREA DATA

PARCEL NO.	PROPERTY OWNER NAME	R/W AREA	TCE
1	BOBBY ALLEN MARTIN	5214.5 SF	2187.9 SF
2	BOBBY ALLEN MARTIN	1872.6 SF	593.6 SF
3	PATRICIA H. SMITH	4010.9 SF	1376.9 SF
4	GWENDOLYN B. BRYANT & DONALD W. BRYANT	3300.5 SF	2724.8 SF

FOR -L- PROFILE SEE SHEET 5

8/13/2023
BP1-R009_rdy_psh04.dgn
bhansen