8/10/99

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2813C-10" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 197,916.503 (m) EASTING: 286,973.960 (m)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS 0.999784950

THE N.C. LAMBERT GRID BEARING LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R2813C-10" TO -L- STATION 35+00.000 IS : S 20°03'58.73" E AND 13.634 m

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29

FOR PROFILE OF -L- SEE SHEET NO. 14

METRIC
5 0 10

PROJECT REFERENCE NO.	SHEET NO.
R-2813C	4
R/W SHEET NO.	4

CONST.REV.

R/W REV.

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 18903 ENGINEER GREGORY E. GREW
4-15-04

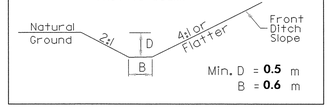
HYDRAULICS ENGINEER
4-15-04
NORTH CAROLINA PROFESSIONAL SEAL 20870 ENGINEER MARC T. SHOWN
4-15-04

-L-
PI Sta 36+92.290
Δ = 39° 00' 00.9" (RT)
L = 313.114
T = 162.896
R = 460.000

-RP A-
PIs Sta 10+51.544
Θs = 5° 32' 55.9"
Ls = 45.720
LT = 30.495
ST = 15.254

-LA-
PI Sta 36+96.294
Δ = 39° 00' 00.8" (RT)
L = 308.175
T = 160.326
R = 452.743
e = 0.06 m/m
RO =

DETAIL E
SPECIAL CUT BASE DITCH
(Not to Scale)



-L- STA. 36+03 TO 36+60 LT

NAD 83

ST Sta. 10+66.769 -RP A-

BEGIN PAVING
-RP A- STA. 10+39.515

R2813C 10
-LBL- POT 5+00.000 =
-L- POT 34+98.118 (13.503 Lt.)

TS Sta. 10+21.049 -RP A-

BEGIN PAVING
-L- STA. 35+56.859
PC Sta. 35+29.394 -L-

-YBL- 209
RP 'A' -BL- POT 5+00.000 =
RP 'A' POS 10+52.825 (11.257 Rt.)

BILTMORE COMMERICAL PROPERTIES, LLC
DB 1222 PGS. 645-669
DB 1776 PG 644,645

-LBL- 208
-LBL- PINC 6+12.745 =
RP 'A' -BL- POT 5+68.071 =
RP 'B' -BL- POT 5+00.000 =
-L- POC 36+09.347 (4.473 Lt.)

+51.191 -L-(END C/A)
12.000 (39.37')

+51.160 -L-
15.900 (52.16')

+60.000 -L-
17.800 (58.40')

+05.000 -L-
13.700 (44.95')

+08.695 -L-
22.452 (73.66') (END C/A)

+07.747 -L-
24.850 (81.53')

N 77° 52' 01.7" E

N 35° 46' 20.8" W

S 20° 47' 09.6" E

-LA-

POT Sta. 10+00.000 -RP A-

POT Sta. 10+00.000 -RP B-

TS Sta. 10+43.997 -RP B-

BEGIN PAVING
-RP B- STA. 10+44.020
PC Sta. 35+35.968 -LA-

-RP B-
PIs Sta 10+84.660
Θs = 5° 55' 46.6"
Ls = 60.960
LT = 40.663
ST = 20.341

-YBL- 210
RP 'B' -BL- POT 5+97.307 =
RP 'B' POS 10+98.032 (7.322 Lt.)

ST Sta. 11+04.957 -RP B-

STA. 35+00.000 -L- BEGIN STATE PROJECT R-2813C

STA. 35+00.000 -L- BEGIN F. A. PROJECT STP-146(1)

MATCHLINE STA 37+20 -L- SEE SHEET 5

MATCHLINE *** SEE SHEET 5 ***

REMOVE DI

REMOVE CMP

REMOVE

RETAIN

750 mm CURB & GUTTER

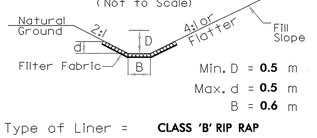
0.6m SPECIAL BASE DITCH
CLASS 'B' RIP RAP
SEE DETAIL 'A'

0.6m SPECIAL CUT BASE DITCH
CLASS 'B' RIP RAP
SEE DETAIL 'B'

PIPE IS DIRECTIONAL ONLY

CARL H. RICKER, JR. DB 1452 PG. 10

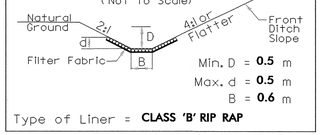
DETAIL A
SPECIAL LATERAL BASE DITCH
(Not to Scale)



Type of Liner = CLASS 'B' RIP RAP

-L- STA. 36+04.149 TO 36+40 RT
EST. 82.386mtn CL 'B' RIPRAP
EST. 235.04sm FIL. FAB.

DETAIL B
SPECIAL CUT BASE DITCH
(Not to Scale)



Type of Liner = CLASS 'B' RIP RAP

-L- STA. 36+40 TO 37+60 RT
EST. 275.76mtn CL 'B' RIPRAP
EST. 786.72sm FIL. FAB.

01-APR-2004 11:43
mstrickl
N:\Proj\R-2813C\Roadway\Plans\R2813C_RDY_PSH4.dgn