PROJECT REFERENCE NO.	SHEET NO.
U-2408	29
R /W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 23853 ENGINEER JERRY S. DOUGLAS — 9/21/04

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 9336 ENGINEER W. JERRY WELLS, JR. — 9/22/04

METRIC 2.5 0 5

CONST.REV.

R /W REV.

REVISIONS

8/17/99

"NC GRID" NAD 83

NELLIE M. HAYES MARTIN
D.B. 2482 PG. 742

I S F D

S 41°50'23" E
74.987 TO R/W
73.938 TO EIP

150mm TCP

-Y28- POT Sta.10+00.000

EXISTING R/W

HAYNES AVE

S 45°32'18.65" W

+32.000-Y28-
EXIST.R/W

BEGIN CONSTRUCTION
-Y28- POT Sta.10+25.000

TIE TO EXIST DITCH

+40.000-Y28-
11.000 36.09'

VX 12 WATER
N 170048.66
E 407929.51
EL 240.90m
-L- 53+26.76 22.34 L

VX 13 GAS
N 170048.05
E 407929.52
EL 241.14m
-L- 53+27.33 22.15 L

END CURB & GUTTER
-Y28- STA. 10+43.672

+39.000-Y28-
EXIST.R/W

+14.864
22.433 73.60'

+11.000
211.193m
69.53'

+00.000
171.901m
58.43'

+29.560
23.823
78.16'

+46.868

BEGIN CURB & GUTTER
-Y28- STA. 10+46.868

+57.170 -Y28-
10.498m 34.44'

VX 11 WATER
N 170043.19
E 407921.11
EL 240.56m
-L- 53+29.23 12.63 L

-Y28- PC Sta.10+52.573

-LBL- 5 Sta.49+44.670
-Y28BL- 5 Sta.5+83.767
(-L- Sta.53+57.517 18.017 LT)
(-Y28- Sta.10+65.855 31.841 LT)

+61.146
18.000
59.06'

+78.000
15.000
49.21'

200mm TCP

1.5 SIDEWALK

NC 274 | BESSEMER CITY RD 8.2 BST

S 17°14'20.6" E
BST

R.R. SPIKE

MATCHLINE -L- STA 53+00 SHEET 28

MATCHLINE -L- STA 54+80 SHEET 30

DETAIL #2
LATERAL BASE DITCH
(Not to Scale)

Natural Ground 2:1 D 2:1 b .08m/m Fill Slope
B

Min. D = 0.5 m
B = 0.6 m
b = 1.5 m

DETAIL #7
STANDARD BASE DITCH
(Not to Scale)

Natural Ground 2:1 d D 2:1 Natural Ground
Filter Fabric B

Min. D = 1.0 m
Max. d = 0.6 m
B =VAR m

* When B is ≥1.8m
Std. No. 868.01

Type of Liner = CLASS IRIPRAP

(113)
RAY SMITH
DB 3259 PG 308

BASE DITCH
EST. DDE 25 C.M.
SEE DETAIL #7
CLASS IRIPRAP
EST. 33 TONS
EST. 17.6 S.M F.F.

0.6 m LATERAL BASE DITCH
SEE DETAIL #2

VX 10 WATER
N 169936.33
E 407952.90
EL 238.79m
-L- 54+40.47 11.20 L

CLASS B RIPRAP
2.7 TONS
8.4 S.M. FF

+53.000
85.31' 26.000 LT

+59.000
27.000 LT
88.58'

+66.000
20.000 LT
65.62'

+37.000
21.000 LT
68.90'

+37.000
59.06' 18.000

+32.000
49.21' 15.000 LT

+66.000
15.000 LT
49.21'

DRIVEWAY LIMITS

REMOVE

VX 7 WATER
N 169918.45
E 407957.96
EL 237.37m
-L- 54+59.05 10.73 L

I S F D

65.502 TO R/W
65.579 TO R/W

450mm CMP

FILL W/ FLOWABLE FILL

1650. BORE & JACK

GRAU-350

VX 9 GAS
N 169933.49
E 407943.19
EL 239.14m
-L- 54+40.30 1.08 L

VX 6 GAS
N 169909.52
E 407949.73
EL 238.67m
-L- 54+65.14 0.23 L

+77.000
15.000m
49.21'

+64.000
17.500m
57.41'

+42.278
15.000m
49.21'

+25.000
16.500m
54.13'

VX 14 GAS
N 170042.53
E 407911.52
EL 240.78m
-L- 53+26.86 3.33 L

-L- PT Sta.53+42.278

-L- POC Sta.53+28.000
-Y28- PT Sta.10+76.766

(111)
MARGARET H. CALDWELL
D.B. 648 PG. 591

(112)
JERRY L. HIBBERTS ET UX
D.B. 2353 PG. 680

(114)
ELMORE M. BRYANT
D.B. 2242 PG. 775
D.B. 2301 PG. 412

2 S BLK D

POOL

1050mm CMP

(115)
RAY H. SMITH ST UX
D.B. 2309 PG. 834

+17.000
21.000m
68.90'

S 15°43'14" E
15.291

S 15°43'13" E
106.370

N 78°57'02" E
68.400 TO R/W
67.706 TO R.R. SPIKE

N 78°57'00" E
23.629

N 78°57'02" E
46.839

S 8°27'42" E
66.077

N 78°34'15" E
58.721

N 19°59'44" E
20.768

FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 50
FOR -Y28- PROFILE SEE SHEET 58

21-SEP-2004 jkol
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