6/09/98

PROJECT REFERENCE NO.	SHEET NO.
R-2562C	42

METRIC

CONST.REV.

R /W REV.

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 22761 ENGINEER MICHELLE R. BRAME

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 026696 ENGINEER JEFFREY L. RECK

-L- REV

NOTE:
EXISTING PROFILE IS UNDER THE GRADE POINT ON EXISTING PAVEMENT SIDE,EXCEPT IN TRANSITION AREAS WHERE EXISTING PROFILE IS SHOWN UNDER EACH GRADE POINT.

D.A.= 6.30 HA
DESIGN DISCHARGE= 0.24 cms
DESIGN FREQ.= 50-YR
DESIGN H.W.= 48.04m
BASE FLOOD DISCHARGE=0.29cms
BASE FLOOD FREQ.= 100-YR
BASE FLOOD ELEV.= 48.28 m
OVERTOPPING DISCHARGE=0.38cms
OVERTOPPING FREQ.= 330-YR
OVERTOPPING ELEV.= 48.80 m

PVI = 164+02.93
EL = 50.038 m
K = 104
VC = 98 m

PVC 163+53.93 (49.885)

BEGIN DITCH (RT)
STA =164+00.000
EL = 48.300

PVT 164+51.93 (49.730)

STA =164+80.000
EL = 48.320

+0.3116%

-0.6282%

(-) 0.6000%

PROPOSED PROFILE

EXISTING PROFILE

BEGIN DITCH (LT)
STA =165+90.000
EL = 47.758

STA =166+00.000
EL = 47.450

BEGIN DITCH (MEDIAN)
STA = 166+00.000
EL = 47.832

PVC 166+20.93 (48.568)

(+) 0.20000%

(-) 0.93333%

(-) 3.08000%

(+) 0.30000%

0.00000%

-0.6282%

END DITCH (LT)
STA =165+20.000
EL = 47.590

STA =166+00.000
EL = 47.200

PVI = 166+50.93
EL = 48.480 m
K = 51
VC = 60 m

BM#12: ELEV.48.756m SURVEY BL STA.75+05 OFFSET 41m LEFT
RR SPIKE SET IN ROOT OF 15" PINE TREE
N 1040300.024 E 633356.700

PVT 166+80.93 (48.546)

BEGIN DITCH (LT)
STA =167+00.000
EL = 47.909

STA =167+20.000
EL = 47.569

END DITCH (LT)
STA =167+40.000
EL = 47.959

BEGIN DITCH (LT)
STA =167+50.000
EL = 48.038

PVI = 168+15.93
EL = 49.395 m
K = 104
VC = 90 m

END DITCH (LT)
STA =168+20.000
EL = 48.320

BEGIN DITCH (RT)
STA =169+00.000
EL = 48.121

END DITCH (RT)
STA =169+44.000
EL = 47.989

BEGIN DITCH (RT)
STA =169+66.000
EL = 47.908

END DITCH (RT)
STA =169+90.000
EL = 47.844

PROPOSED PROFILE

EXISTING PROFILE

+0.5545%

0.00000%

(+) 0.20000%

(+) 0.3000%

(+) 0.4500%

(+) 1.0000%

+0.5545%

(+) 0.3615%

+0.3111%

(-) 0.3000%

PVC 167+70.93 (49.145)

END DITCH (RT)
STA =167+80.000
EL = 47.660

PVT 168+60.93 (49.255)

(-) 0.3000%

(-) 0.3000%

(-) 0.3000%

STA =167+40.000
EL = 47.200

END DITCH (MEDIAN)
STA = 167+60.000
EL = 48.152

BEGIN DITCH (MEDIAN)
STA = 168+20.000
EL = 48.318

END DITCH (MEDIAN)
STA = 168+40.000
EL = 48.318

BEGIN DITCH (LT)
STA =169+14.000
EL = 48.076

END DITCH (LT)
STA =169+90.000
EL = 47.848

$$$$SYSTIME$$$$
$$$$USERNAME$$$$
$$$$DGN$$$$