5/14/99

PROJECT REFERENCE NO.	SHEET NO.
R-3427	43

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 028951 ENGINEER JOSEPH L. LAWS

8/20/2004

HYDRAULICS ENGINEER

POC =L= STA.169+48.44 ELE.=971.02
POT =Y5= STA.170+00.00

POC =L= STA.169+52.27 ELE.=971.04
POT =Y4= STA.15+05.79

PI=168+50.00
EL = 980.11

(+)4.74127%
(-)2.40590%
(+)2.74000%
(+)3.04440%
(+)1.80000%
(+)3.70000%
(+)3.90000%
(+)4.40000%
(+)3.36000%
(-)1.25820%
(-)0.30000%
(-)1.43900%
(-)1.55200%
(-)2.00000%
(-)3.00000%
(-)1.50000%
(-)1.11856%
(-)1.40120%
(-)1.55111%

K = 155
VC = 1110.00

18" RCP

BEGIN DITCH LT
STA.163+77.0 E=983.27

BEGIN DITCH RT
STA.163+49.0 E=982.96

PI=164+00.00
EL= 963.03

PI=164+00.00
EL= 963.20

PI=164+50.00
EL= 954.40

PI=164+50.00
EL= 957.36

PI=165+00.00
EL= 956.60

PI=165+00.00
EL= 960.80

PI=165+50.00
EL= 956.00

END DITCH RT
STA.165+50.0 E=960.95

END DITCH LT
STA.166+00.0 E=962.40

BEGIN DITCH RT
STA.170+00.0 E=968.05

BEGIN DITCH LT
STA.170+00.0 E=969.69

PI=170+50.00
EL= 966.89

PI=171+00.00
EL= 967.16

PI=171+00.00
EL= 964.40

PI=171+50.00
EL= 965.00

PI=171+50.00
EL= 965.84

PI=172+00.00
EL= 965.40

END DITCH LT
STA.172+39.8 E=965.00

PI=172+50.00
EL= 963.00

PI=173+00.00
EL= 963.80

PI=173+50.00
EL= 966.00

WATCH LINE STA.174+50.00

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.124

DRAINAGE AREA	= 2.4	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 8.0	CFS
DESIGN HW ELEVATION	= 954.5	FT
100 YEAR DISCHARGE	= 9.7	CFS
100 YEAR HW ELEVATION	= 954.8	FT
OVERTOPPING FREQUENCY	= 200	YRS
OVERTOPPING DISCHARGE	= 12.4	CFS
OVERTOPPING ELEVATION	= 955.6	FT

TBM #9 ELEVATION 979.92
-L- STA.168+63 85' LT
NCGS "DEEP 2"-BL- 50'

980
970
960
950
940
930
920
910
900
890
880
870

163 164 165 166 167 168 169 170 171 172 173 174

20-AUG-2004 16:37
D:\RDY\R3427\ps43r-3427pfl.psh
dew