BM #3 RR SPIKE IN BASE OF 450mm PINE
7.513 RT OF -Y1- STA.10+21.098 EL= 40.828

DESIGN DATA FOR DRAINAGE STRUCTURE AT STA.3+42	
DRAINAGE AREA	= 134 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 3.70cms
DESIGN HW ELEVATION	= 41.49 m
100 YEAR DISCHARGE	= 4.48cms
100 YEAR HW ELEVATION	= 42.10 m
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 5.50cms
OVERTOPPING	= 43.17 m

L = 100.000
K = 70
(+)0.5466%
PROP.GRADE
(-)0.5175%
1050 RCP
(-)3.1818%
3+44 END LAT. DITCH LT
GR EL 39.50
PI = 3+00
EL = 41.00
2+60
END V-DITCH LT
BEGIN LAT. DITCH LT
(-)0.5175%
EXIST.PROFILE
1+57 BEGIN V-DITCH LT
GR EL 41.74
L = 60.000
K = 45
(+)0.5466%
(-)0.7812%
PI = 1+35.000
EL = 43.160
(-)0.7812%
(-)0.3057%
PI = 0+60.000
EL = 43.746
L = 50.000
K = 105
STA 261+36.244 -L- 142 RT =
STA 0+00.000 RP D
BEGIN GR.EL= 43.929

RP 'D'@ -Y1-

SEE SHEETS NO.6 AND NO.7
FOR RAMP 'D' PLAN

STA 5+08.915 RP D =
STA 15+58.942 -Y1- 6.0 LT
END GR.EL= 46.355
L = 100.000
K = 70
PROP.GRADE
(+)1.9711%
(+)0.5466%
PI = 4+00.000
EL = 44.608
EXIST.PROFILE

RP 'D'@ -Y1-

SEE SHEET NO.6 FOR RAMP 'D' PLAN

METRIC
5 0 10

CONST.REV.
R /W REV.

PROJECT REFERENCE NO.	SHEET NO.
R-513C	76

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 12300 ENGINEER CHARLES LEE FLOWE
7/14/04

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 20754 ENGINEER NATHAN T. STEPHENS, JR.
7/14/04

TGS
TGS ENGINEERS
975 WALNUT STREET, SUITE 141
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USERNAME = $$$$$$$$ DGN
SYSTIME = $$$$$$$$
DATE = $$$$$$$$

R513C\WORK\0513C-RP PFL 07/14/04 10:54:37 AM