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5/28/99

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ENGINEERS + CONSULTANTS
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CARY, NC 27518
phone: 919.851.1912
CALYXengineers.com
NC License # F-1333

PROJECT REFERENCE NO.	SHEET NO.
W-5601A	6

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL ENGINEER STEPHEN C. BROWDE 015759
Stephen C. Browde
DocuSigned by:
1/4/2018

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL ENGINEER DAVID P. BOCKER 029984
David P. Bocker
DocuSigned by:
1/4/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

–L–

BEGIN 1.5" OVERLAY W-5601A
-L- STA.10+15.00

BEGIN SPECIAL 'V' DITCH
-L- STA.10+92.00 LT
ELEV.= 20.89

BEGIN GRADE W-5601A
-L- STA.11+20.00
ELEV.= 24.03

PI = 13+20.00
EL = 26.13'
VC = 150'
K = 200
DS = 60 MPH

END SPECIAL 'V' DITCH
-L- STA.17+00.00 LT
ELEV.= 25.04

PI = 21+60.00
EL = 28.65'
VC = 100'
K = 270
DS > 60 MPH

(+) 0.36%
(+)1.0500%
(+)0.3000%
(+) 0.34%
(+) 0.31%
(+) 0.32%
(−) 0.56%
(+)0.3000%
(+)0.6705%
(+) 0.42%
42" RCP-IV

END SPECIAL 'V' DITCH
-L- STA.11+20.00 LT
ELEV.= 20.99

BEGIN SPECIAL DITCH GRADE
-L- STA.12+50.00 RT
ELEV.= 22.52

BEGIN SPECIAL 'V' DITCH
-L- STA.13+00.00 LT
ELEV.= 23.81

END SPECIAL DITCH GRADE
-L- STA.14+50.00 RT
ELEV.= 23.20

BEGIN SPECIAL 'V' DITCH
-L- STA.18+00.00 LT
ELEV.= 25.35

BEGIN SPECIAL DITCH GRADE
-L- STA.18+50.00 RT
ELEV.= 24.40

END SPECIAL DITCH GRADE
-L- STA.21+00.00 RT
ELEV.= 23.00

END SPECIAL 'V' DITCH
-L- STA.22+00.00 LT
ELEV.= 24.09

BEGIN SPECIAL 'V' DITCH
-L- STA.23+00.00 LT
ELEV.= 26.95

SPECIAL DITCH LT
SPECIAL DITCH LT
UNDERCUT
SEE SHEETS 4 & 5 FOR –L– PLAN

–L–

-L- STA.26+58.82 = -Y1- Sta.10+00.00
ELEV.= 31.99

PI = 27+70.00
EL = 32.74'
VC = 180'
K = 185
DS > 60 MPH

END GRADE W-5601A
-L- STA.29+30.00
ELEV.= 32.26

32.26

(+)0.6705%
(−)0.3000%
(+) 0.30%
(+) 0.42%
(+) 0.42%

BEGIN SPECIAL DITCH GRADE
-L- STA.26+00.00 RT
ELEV.= 28.30

END SPECIAL 'V' DITCH
-L- STA.26+26.00 LT
ELEV.= 28.32

BEGIN SPECIAL 'V' DITCH
-L- STA.26+95.00 LT
ELEV.= 28.61

END SPECIAL DITCH GRADE
-L- STA.29+00.00 RT
ELEV.= 29.20

END SPECIAL 'V' DITCH
-L- STA.29+00.00 LT
ELEV.= 29.47

–Y1–

PI = 10+60.00
EL = 34.17'
VC = 90'
K = 14
DS = 25 MPH

PI = 11+40.00
EL = 31.75'
VC = 62'
K = 38
DS = 30 MPH

(+)3.5000%
(−)3.0239%
(−)1.4000%

END GRADE
-Y1- STA.11+71.00
ELEV.= 31.32

BEGIN GRADE
-Y1- STA.10+12.01
ELEV.= 32.49

SEE SHEETS 5 FOR –L– & –Y1– PLAN

1/4/2018
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