Docusign Envelope ID: 1AA92D30-98CA-472F-B0CC-B3E9A43B8E69

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
R-5726	43

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 22606 ENGINEER DAVID L. WATER
Signed by: DAVID L. WATER
10-OCT-2024
MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042084 ENGINEER JOSHUA M. MASSICK
Signed by: JOSHUA M. MASSICK
10-OCT-2024
HDR ENGINEERING
LICENSE NO. F-0116

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:
MOTT MACDONALD
930 Main Campus Drive, Suite 200
Raleigh, NC 27606
www.mottmac.com

HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

-ACC1-

-ACC1- STA.10+11.55 =
-L- STA.121+84.40
EL = 609.47'

BEGIN PROFILE
-ACC1- STA.10+37.67
EL = 608.94'

PI = 11+05.00
EL = 601.63'
VC = 100'
K = 10

PROPOSED GRADE

PI = 12+15.00
EL = 596.50'
VC = 25'
K = 6

END PROFILE
-ACC1- STA.14+24.60
EL = 583.20'

PI = 13+41.46
EL = 585.32'
VC = 25'
K = 33

PI = 13+85.00
EL = 581.80'
VC = 25'
K = 2

(-)15.0000%
(-)4.6636%
(-)18.0845%
(+)4.7329%

EXISTING GROUND

610 600 590 580 570
10 11 12 13 14

-DR1-

BEGIN PROFILE
-DR1- STA.10+61.28
-L- STA.208+96.23, 51' RT.
EL = 618.92'

PROP. GRADE

PI = 10+75.00
EL = 617.96'
VC = 25'
K = 3

PI = 11+45.00
EL = 608.16'
VC = 26'
K = 9

END PROFILE
-DR1- STA.11+58.00
EL = 606.70'

(-)14.0000%
(-)11.2311%

EXISTING GROUND

610 600 630 620 610 600
10 11 12

-DR2-

BEGIN PROFILE
-DR2- STA.10+39.60 =
-L- STA.81+28.03, 39.5' RT.
EL = 605.61'

PI = 10+90.00
EL = 602.58'
VC = 70'
K = 9

PROP. GRADE
EXISTING GROUND

END PROFILE
-DR2- STA.11+30.00
EL = 603.40'

(-)6.0040%
(+)2.0624%

610 600
10 11

-DR3-

BEGIN PROFILE
-DR3- STA.10+35.50 =
-L- STA.74+00.00, 39.5' RT.
EL = 597.61'

PI = 10+65.00
EL = 595.26'
VC = 50'
K = 25

PI = 11+25.00
EL = 589.29'
VC = 50'
K = 22

END PROFILE
-DR3- STA.11+50.00
EL = 587.38'

(-)17.9831%
(-)19.9500%
(-)17.6400%

PROP. GRADE
EXISTING GROUND

590 580 570
10 11

-DR4-

BEGIN PROFILE
-DR4- STA.10+39.50 =
-L- STA.69+00.00, 39.5' RT.
EL = 589.94'

PI = 10+60.00
EL = 588.91'
VC = 40'
K = 7

PROP. GRADE

END PROFILE
-DR4- STA.10+85.00
EL = 588.99'

(-)5.0293%
(+)0.3200%

EXISTING GROUND

590 580 570
10 11

LEFT DITCH	-·-·-·-·-
RIGHT DITCH	- - - - - -

-ACC1- PLANS SEE SHEET 12 & 12A
-DR1- PLANS SEE SHEET 19
-DR2- PLANS SEE SHEET 9
-DR3- PLANS SEE SHEET 9
-DR4- PLANS SEE SHEET 8

10/8/2024
R:\Roadway\Proj\r-5726_rdy_pfl_psh.dgn