Docusign Envelope ID: 7AF58538-C391-4448-800A-F881A0DE61EF

PROJECT REFERENCE NO.	SHEET NO.
U-5536	7
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 033400 ENGINEER
12/19/2024
DocuSigned by: TAYLOR E. KEISER
5FFD0B6D2A4A4E1...

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 33246 ENGINEER
12/19/2024
DocuSigned by: CINDY A. JOHNS
2434562B0D7D4B9...

CDM Smith
CDM Smith Inc
5400 Glenwood Avenue
Suite 400
Raleigh, NC 27612-3228
NC CDA No. F-1255

MI Engineering, PLLC
1011 Schaub Drive
Suite 100
Raleigh, NC 27606
NC CDA No. P-0671

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

-L-			-Y8-
PI Sta 57+42.90 Δ = 21° 23' 53.0" (RT) D = 10° 44' 58.8" L = 199.06' T = 100.70' R = 533.00' e = NC RO = N/A DS = 15 mph	PI Sta 63+39.16 Δ = 58° 37' 56.4" (RT) D = 10° 44' 58.8" L = 545.43' T = 299.30' R = 533.00' e = 0.04 RO = 84/104' DS = 40 mph	PI Sta 67+00.19 Δ = 24° 19' 47.3" (LT) D = 10° 44' 58.8" L = 226.33' T = 114.90' R = 533.00' e = 0.04 RO = 104' DS = 40 mph	PI Sta 13+96.27 Δ = 63° 01' 24.9" (LT) D = 19° 05' 54.9" L = 329.99' T = 183.93' R = 300.00' e = 0.03 RO = 63' DS = 20 mph

-RABT4-
PI Sta 10+00.00 Δ = 359° 59' 20.3" (LT) D = 110° 11' 03.1" L = 326.72' T = 0.00' R = 52.00' e = NC RO = N/A DS = N/A

MATCH LINE -Y8- POT STA. 18+50.00 SEE SHEET 9

END PAVING
-Y8- POT STA. 18+33.32

NAD 83\NA 2011

MATCH LINE -L- POT STA. 51+50.00 SEE SHEET 6

MATCH LINE -L- POT STA. 67+75.00 SEE SHEET 8

BEGIN CONSTRUCTION
-Y7- POT STA. 10+18.12

BEGIN CONSTRUCTION
-Y8- POT STA. 12+10.10

-L- POT Sta. 52+66.40 = -Y7- POT Sta. 13+09.42

PC Sta. 56+42.20

-Y8- POT Sta. 16+96.88= -RABT4- POC Sta.11+26.61
-L- POT Sta. 58+67.81= -Y8- POT Sta.16+44.91
PT Sta. 58+41.25
-L- POC Sta. 58+15.47 = -RABT4- POC Sta.12+13.65

PC Sta. 60+39.86

-L- POT Sta. 59+19.47 = -RABT4- POC Sta.10+49.66
PC Sta. 10+00.00
PT Sta. 13+26.72
-Y8- POT Sta. 15+92.89 = -RABT4- POC Sta.12+90.65

PT Sta. 15+42.34

PC Sta. 13+50.39

PRC Sta. 14+40.88

PRC Sta. 65+85.29

-L- POC Sta.65+79.53= -Y1B- PT Sta. 17+06.03

PT Sta. 11+07.82

-Y1B- PC Sta. 10+00.00
-Y8- POC Sta.13+67.81

POT Sta. 10+00.00

POT Sta. 10+00.00

PC Sta. 12+12.35

BEG. RETAINING WALL #4 W/FENCE
-WL4- STA. 10+00.00 =
-Y8- STA. 15+30.00, 27.60' RT.

RETAIN END RETAINING WALL #4 W/FENCE
-WL4- STA. 11+66.67
-L- STA. 60+10.08, 22.13' RT.

BEG. RETAINING WALL #6
-WL6- STA. 10+00.00 =
-Y1B- STA. 11+98.21, 24.00' RT.

END RETAINING WALL #6
-WL6- POT STA. 10+60.00 =
-Y1B- STA. 12+44.22, 37.11' RT

PIPE OUTLET CHANNEL STABILIZATION SEE DETAIL 7D

SPECIAL LATERAL 2' BASE DITCH SEE DETAIL 7C

TOE PROTECTION EST 9 TONS, EST 27 SY GF SEE DETAIL 7B

TOE PROTECTION EST 5 TONS, EST 14 SY GF SEE DETAIL 7B

SPEC. LAT. 'V' DITCH SEE DETAIL 7A

OUTLET PROTECTION 15 TONS CL I RIP RAP 30 SY GEOTEXTILE

BANK STABILIZATION SEE DETAIL 7E 8 TONS CL I RIP RAP 12 SY GEOTEXTILE

SPEC. LAT 'V' DITCH SEE DETAIL 7A

GRADE TO DRAIN

FLOWABLE FILL

CLEAR TREES FOR SIGHT DISTANCE

DO NOT DISTURB POST OFFICE SIGN

INCIDENTAL STONE BASE

5' BIKE LANE PARKING 8' WIDE (TYP.)

PARKING 16.5' WIDE (TYP.)

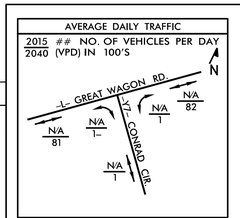
PARKING 8' WIDE (TYP.)

PARKING 8' WIDE (TYP.)

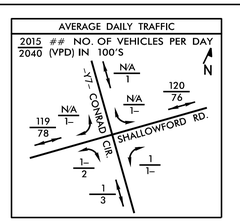
NOTES:
1. REPLACE ALL EXISTING DRIVEWAYS WITH LIKE MATERIAL.
2. PROPOSED DRIVEWAY WIDTHS SHALL MATCH EXISTING DRIVEWAY WIDTH.
3. SEE SPECIAL PROVISIONS FOR TRUCK APRON STAIN & STAMP REQUIREMENTS.

-Y1B-		
PI Sta 10+55.58 Δ = 34° 19' 16.4" (LT) D = 31° 49' 51.6" L = 107.82' T = 55.58' R = 180.00' e = NC RO = N/A DS = 15 mph	PI Sta 13+95.74 Δ = 9° 43' 40.9" (RT) D = 10° 44' 58.8" L = 90.50' T = 45.36' R = 533.00' e = RC RO = 36' DS = 15 mph	PI Sta 15+76.26 Δ = 28° 30' 08.8" (LT) D = 10° 44' 58.8" L = 265.15' T = 135.38' R = 533.00' e = RC RO = 36' DS = 15 mph

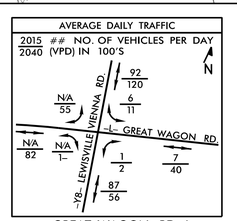
AVERAGE DAILY TRAFFIC
2015 ## NO. OF VEHICLES PER DAY
2040 (VPD) IN 100'S



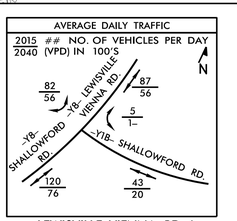
GREAT WAGON RD./CONRAD CIR.



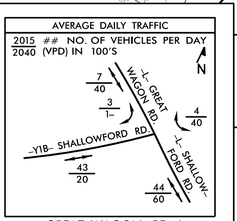
SHALLOWFORD RD./CONRAD CIR.



GREAT WAGON RD./ LEWISVILLE VIENNA RD.



LEWISVILLE VIENNA RD./ SHALLOWFORD RD.



GREAT WAGON RD./ SHALLOWFORD RD.

LEGEND
- CONCRETE SW/DRWY/ISLAND
- CONCRETE TRUCK APRON

SEE SHEETS 2B-4, 2B-7 & 2B-8 FOR INTERSECTION DETAILS.
SEE SHEET 2D-1 FOR DRAINAGE DETAILS
SEE SHEETS 11, 12 FOR -L- PROFILE
SEE SHEET 12 FOR -Y1B- PROFILE
SEE SHEET 14 FOR -Y7- PROFILE
SEE SHEET 14 FOR -Y8- PROFILE
SEE SHEET 15 FOR -RABT4- PROFILE

5/14/99

SYSTIME
USER: DONALD
- 05536_Rdy_psh_07.dgn