

5/28/24



HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills St
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.
R-5759

ROADWAY DESIGN ENGINEER

SHEET NO.
40

HYDRAULICS ENGINEER



David M. McWhorter
Professional Engineer
Seal 36786
10/12/2026



Paul J. McWhorter
Professional Engineer
Seal 40801
10/12/2026

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

- DRW12 -

Profile view of road segment DRW12. The vertical axis shows elevation from 970 to 1040 feet. The horizontal axis shows stationing from 10+00 to 13+00. The profile includes a proposed grade line with a vertical curve. Key data points include: PI = 10+45.13, EL = 987.47', K = 9, VC = 50', V = 20 MPH. The proposed grade starts at STA 10+17.78 (Elev 988.63) and ends at STA 11+25.00 (Elev 979.80). The existing ground is shown as a dashed line. The profile includes a box with curve data and labels for 'BEGIN GRADE', 'PROPOSED GRADE', and 'END GRADE'.

FOR -DRW12- PLAN, SEE SHEET 14

- DRW15 -

Profile view of road segment DRW15. The vertical axis shows elevation from 1050 to 1120 feet. The horizontal axis shows stationing from 10+00 to 13+00. The profile includes a proposed grade line with a vertical curve. Key data points include: PI = 10+50.00, EL = 1,101.14', K = 8, VC = 50', V = <15 MPH. The proposed grade starts at STA 10+25.00 (Elev 1,101.26) and ends at STA 11+27.14 (Elev 1,103.32). The existing ground is shown as a dashed line. The profile includes a box with curve data and labels for 'BEGIN GRADE', 'PROPOSED GRADE', and 'END GRADE'.

FOR -DRW15- PLAN, SEE SHEET 12

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