Docusign Envelope ID: D830ED68-A0D0-4AE8-BF54-C10E4FC130C3

5/28/99

| PIPE HYDRAULIC DATA (15") | | |
|---|---|---|
| DESIGN DISCHARGE | = 1.7 | CFS |
| DESIGN FREQUENCY | = 10 | YRS |
| DESIGN HW ELEVATION | = 883.1 | FT |

| PIPE HYDRAULIC DATA (15") | | |
|---|---|---|
| DESIGN DISCHARGE | = 2 | CFS |
| DESIGN FREQUENCY | = 10 | YRS |
| DESIGN HW ELEVATION | = 881.9 | FT |

# -DET-

Weston & Sampson
WSE of North Carolina, PC
2052 Energy Drive
Phone: 919.297.0220
NC License: C-4847
Apex, NC 27502
westonandsampson.com

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| BP14-R041 | 2B-3 |

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 39283 ENGINEER KEVIN S. HUTCHENS
Digitally signed by Kevin S. Hutchens
6/10/2025

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 39283 ENGINEER KEVIN S. HUTCHENS
Digitally signed by Kevin S. Hutchens
6/10/2025

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

BEGIN GRADE
-DET- POC STA 15+01.96
EL. 902.22

PI = 21+75.00
EL = 878.03'
VC = 600'
K = 74
V = 40 mph

END GRADE
-DET- POC STA 26+65.12
EL. 900.14

(-)3.594%

(+)4.511%

15" CSP

15" CSP

2 @ 84"CMP

910
900
890
880
870
860

15 16 17 18 19 20 21 22 23 24 25 26 27 28

| CULVERT HYDRAULIC DATA (2 @ 84") | | |
|---|---|---|
| DESIGN DISCHARGE | = 890 | CFS |
| DESIGN FREQUENCY | = 10 | YRS |
| DESIGN HW ELEVATION | = 883.1 | FT |
| 5 YR DISCHARGE | = 670 | CFS |
| 5 YR HW ELEVATION | = 881.1 | FT |

5/6/2025
8:45:06 AM
C:\Users\kevin.hutchens\Documents\WorkingFolder\D0659\088\10100\Polk29\Roadway\Proj\polk29_rdy_psh02B-3_detpfl.dgn