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| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| R-5749 | 2B-3 |

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ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 035683 ENGINEER DAVID J. CLODGO — 12/8/2017 — DocuSign Envelope ID: David J. Clodgo

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 18533 ENGINEER A.T. NOTTINGHAM — 12/8/2017 — DocuSign Envelope ID: A.T. Nottingham

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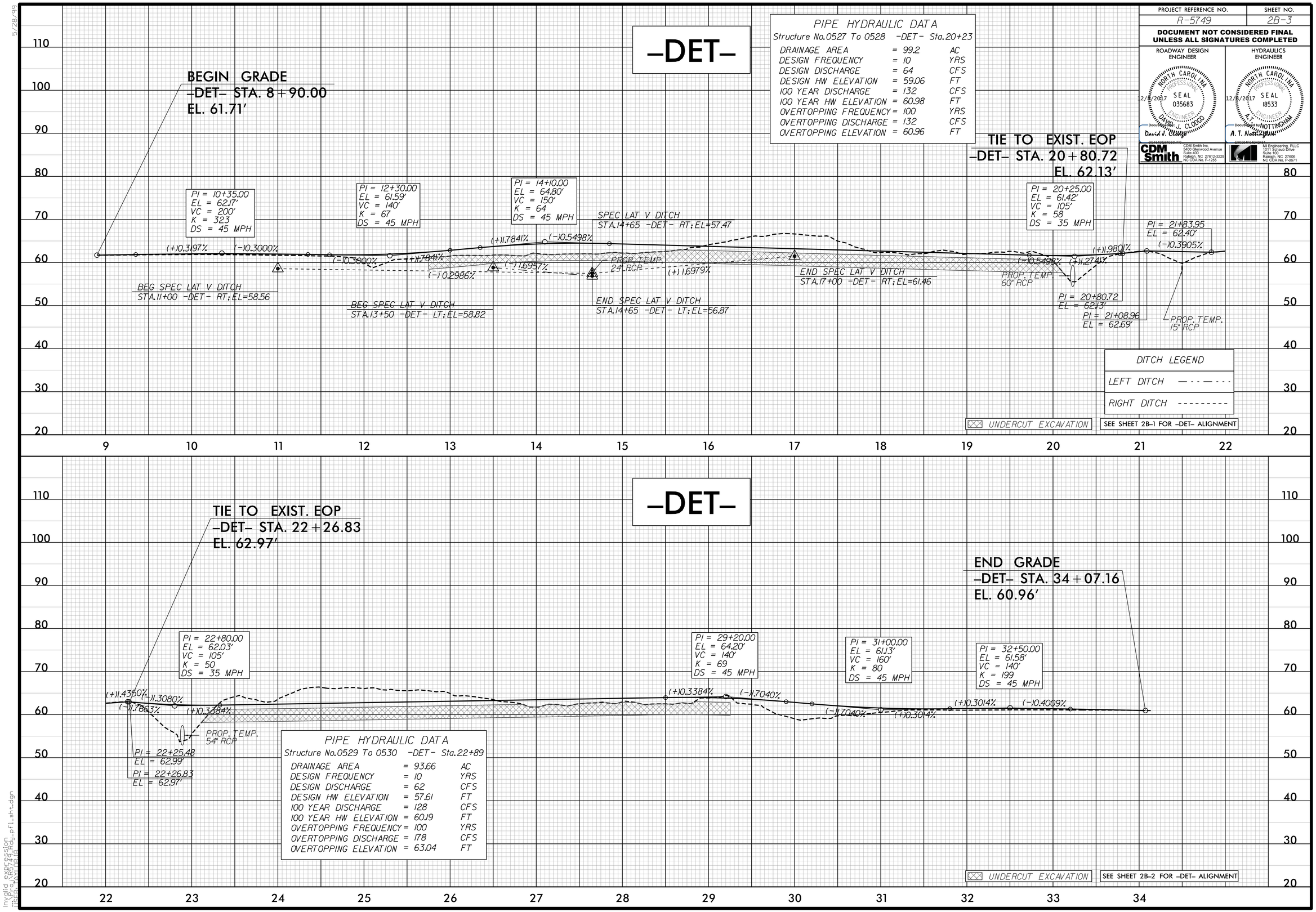
MI Engineering, PLLC 1011 Schaub Drive Suite 100 Raleigh, NC 27606 NC COA No. P-0971




PIPE HYDRAULIC DATA

Structure No.0527 To 0528 -DET- Sta.20+23

| | | |
|---|---|---|
| DRAINAGE AREA | = 99.2 | AC |
| DESIGN FREQUENCY | = 10 | YRS |
| DESIGN DISCHARGE | = 64 | CFS |
| DESIGN HW ELEVATION | = 59.06 | FT |
| 100 YEAR DISCHARGE | = 132 | CFS |
| 100 YEAR HW ELEVATION | = 60.98 | FT |
| OVERTOPPING FREQUENCY | = 100 | YRS |
| OVERTOPPING DISCHARGE | = 132 | CFS |
| OVERTOPPING ELEVATION | = 60.96 | FT |

PIPE HYDRAULIC DATA

Structure No.0529 To 0530 -DET- Sta.22+89

| | | |
|---|---|---|
| DRAINAGE AREA | = 93.66 | AC |
| DESIGN FREQUENCY | = 10 | YRS |
| DESIGN DISCHARGE | = 62 | CFS |
| DESIGN HW ELEVATION | = 57.61 | FT |
| 100 YEAR DISCHARGE | = 128 | CFS |
| 100 YEAR HW ELEVATION | = 60.19 | FT |
| OVERTOPPING FREQUENCY | = 100 | YRS |
| OVERTOPPING DISCHARGE | = 178 | CFS |
| OVERTOPPING ELEVATION | = 63.04 | FT |

Invalid expression
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