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5/28/99

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| BPI-R002 | 05 |

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 037874 ENGINEER TIMOTHY D. GOINS

DocuSigned by: Tim Goins

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 033180 ENGINEER MIRANDA LOUISE SALAZAR

DocuSigned by: Miranda Salazar

Prepared by

VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
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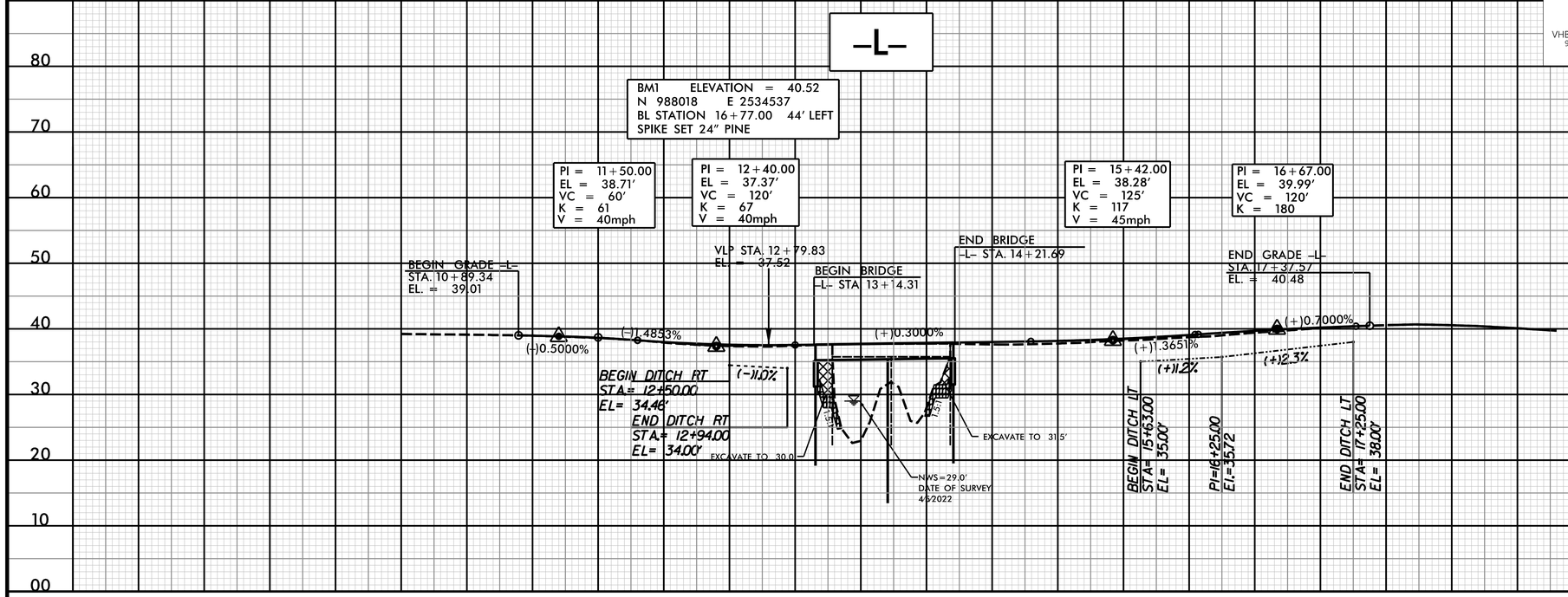


## BRIDGE HYDRAULIC DATA

| | | | |
|---|---|---|---|
| DESIGN DISCHARGE | = | 2800 | CFS |
| DESIGN FREQUENCY | = | 25 | YRS |
| DESIGN HW ELEVATION | = | 37.4 | FT |
| BASE DISCHARGE | = | 4476 | CFS |
| BASE FREQUENCY | = | 100 | YRS |
| BASE HW ELEVATION | = | 38.85 | FT |
| OVERTOPPING DISCHARGE | = | 2750 | CFS |
| OVERTOPPING FREQUENCY | = | <25 | YRS |
| OVERTOPPING ELEVATION | = | 37.2 | FT |
| DATE OF SURVEY | = | 4/5/2022 | |
| W.S. ELEVATION AT DATE OF SURVEY | = | 29.0 | FT |

RIGHT DITCH ----------

LEFT DITCH ----------

FOR -L- PLAN SEE SHEET 4

8/5/2023
BPI-R002
mhiscock
bpi-r002_sht05.dgn