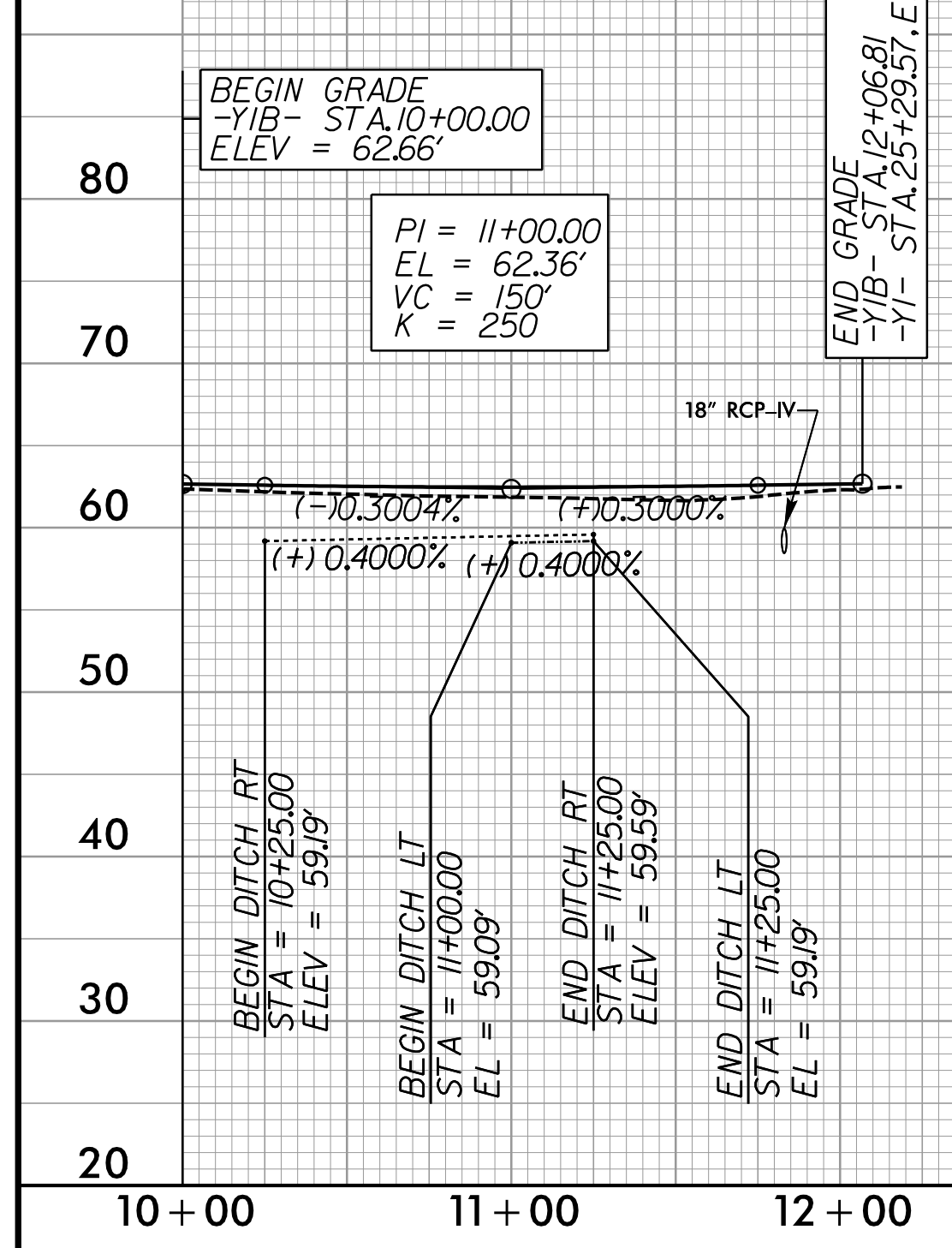


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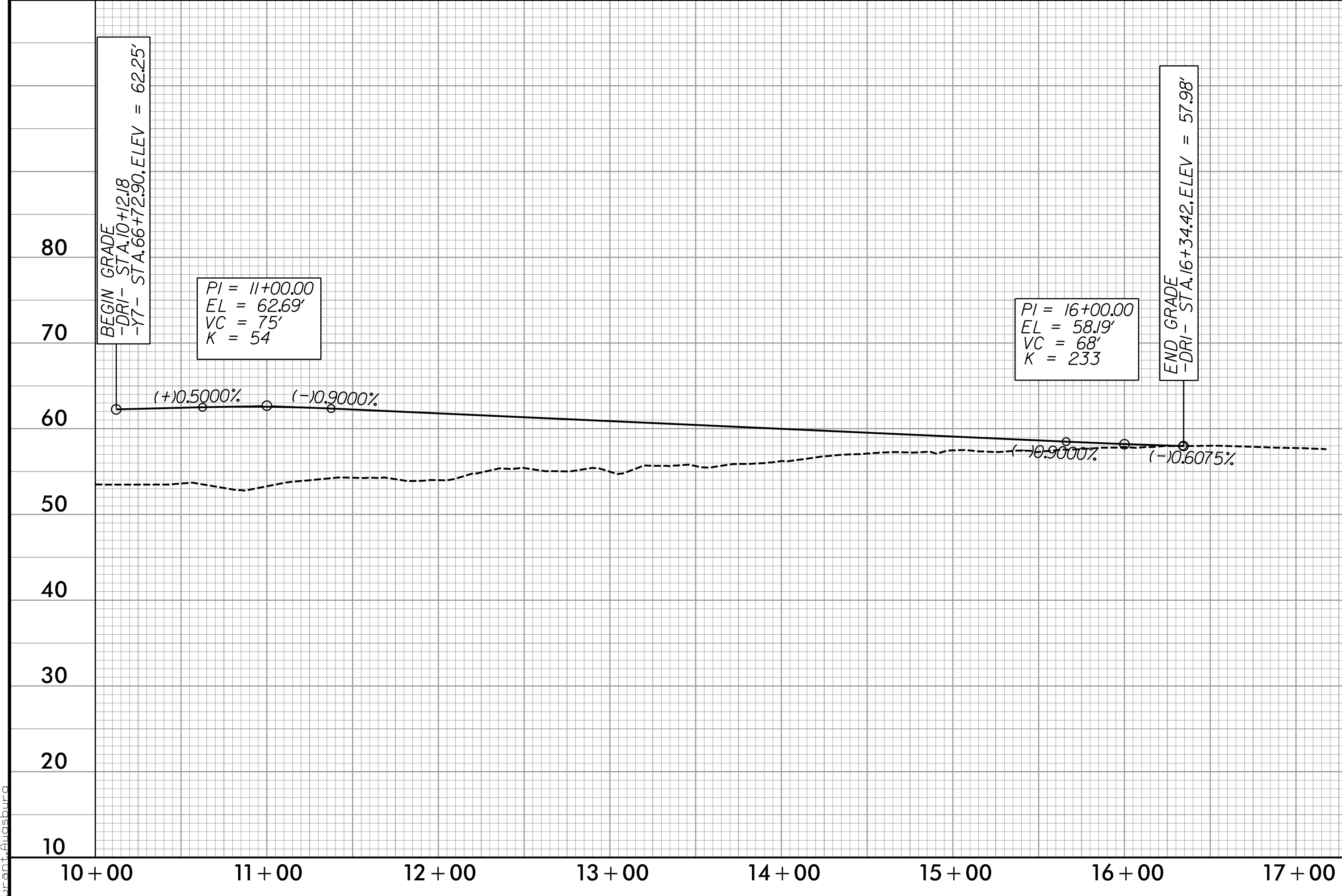
| | | |
|---|--|--|
| PROJECT REFERENCE NO. R-5819 / R-5820 | | SHEET NO. 47 |
| NV5 NV5 ENGINEERS & CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARY, NC 27518 P: 919.851.1912 www.NV5.com <small>NC License # E5837 formerly CALV Engineers & Consultants</small> | | HYDRAULICS ENGINEER 4/13/2022 |
| ROADWAY DESIGN ENGINEER 4/13/2022 | | DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED |



PIPE HYDRAULIC DATA
18" RCP-IV Sta. 11+83

| | | |
|-----------------------|--------|-----|
| DRAINAGE AREA | = 1.6 | AC |
| DESIGN FREQUENCY | = 25 | YRS |
| DESIGN DISCHARGE | = 4.3 | CFS |
| DESIGN HW ELEVATION | = 59.8 | FT |
| 100 YEAR DISCHARGE | = 5.2 | CFS |
| 100 YEAR HW ELEVATION | = 59.9 | FT |
| OVERTOPPING FREQUENCY | = 100+ | YRS |
| OVERTOPPING DISCHARGE | = 12.0 | CFS |
| OVERTOPPING ELEVATION | = 62.2 | FT |

-DRI-



| | | |
|--------------|-------|----|
| MEDIAN DITCH | ----- | 20 |
| LEFT DITCH | ----- | |
| RIGHT DITCH | ----- | |

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 R-5819\2022\Drawings\Pro\N5819_R5820_RDY_PFL_47.dgn
 5/28/22