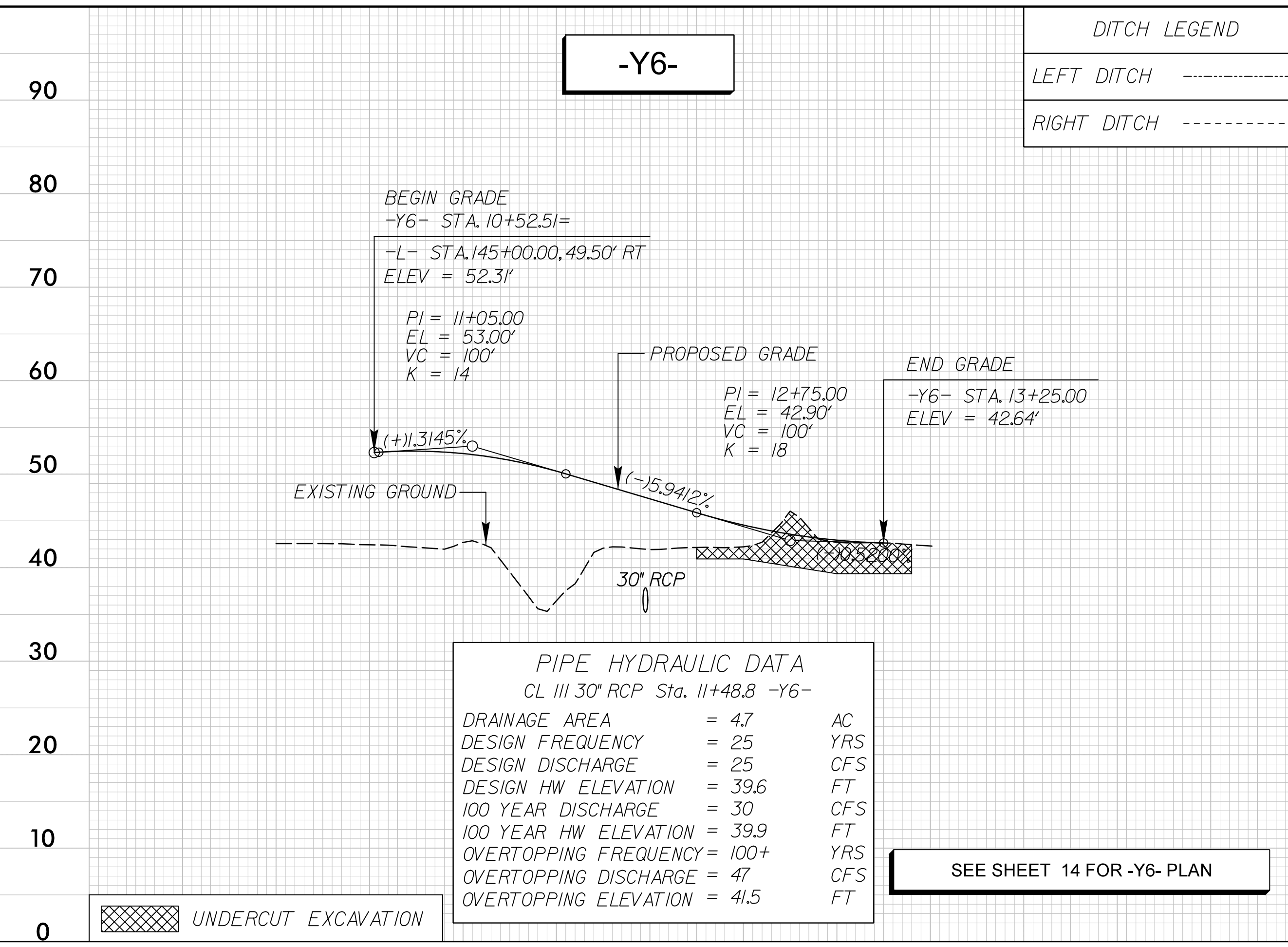


5/28/17

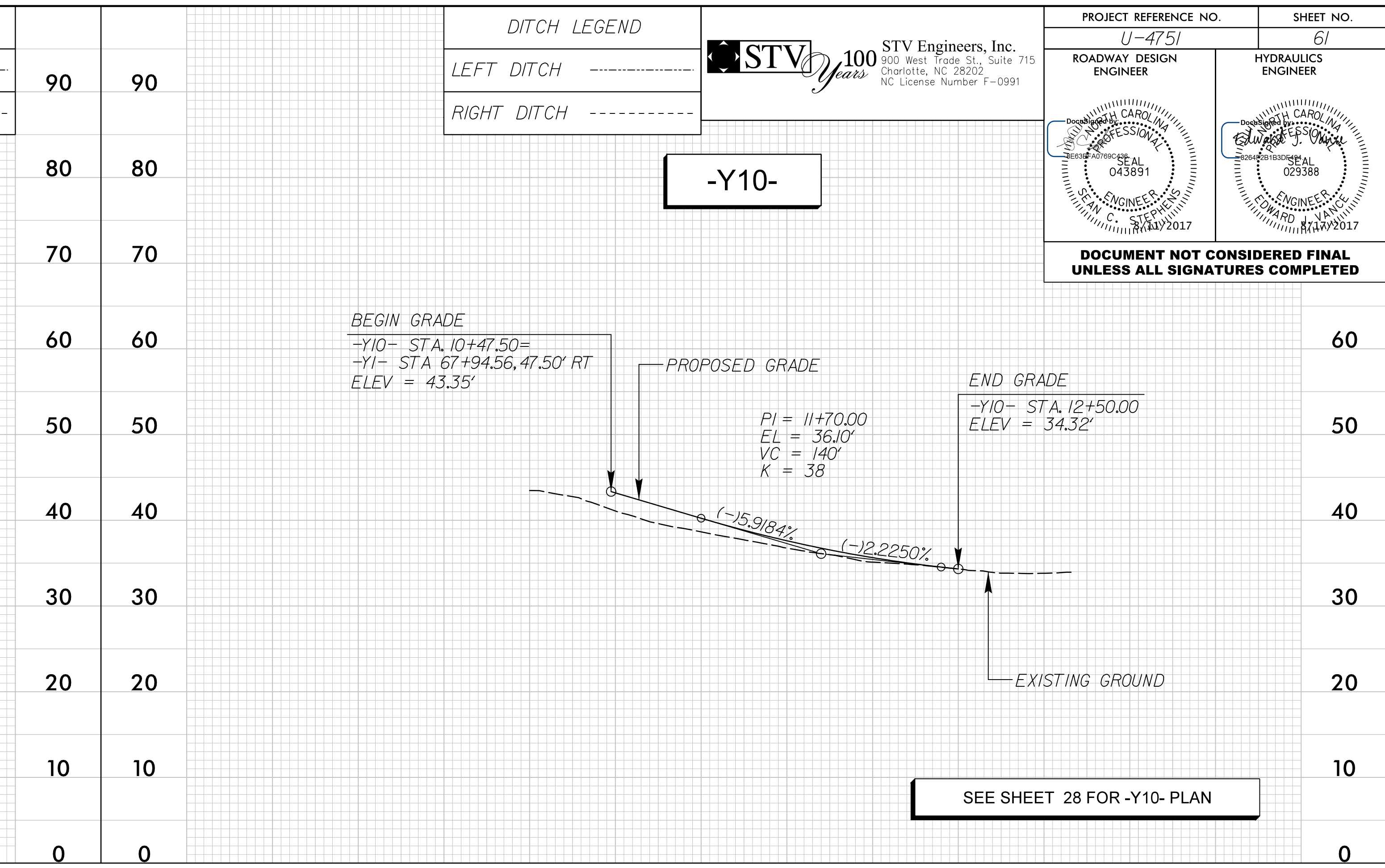
T:\4\2017\pwy\proj\SHU4751\_RDY\_psh61.pfl.dgn



**PIPE HYDRAULIC DATA**  
CL III 30" RCP Sta. 11+48.8 -Y6-

|                       |        |     |
|-----------------------|--------|-----|
| DRAINAGE AREA         | = 4.7  | AC  |
| DESIGN FREQUENCY      | = 25   | YRS |
| DESIGN DISCHARGE      | = 25   | CFS |
| DESIGN HW ELEVATION   | = 39.6 | FT  |
| 100 YEAR DISCHARGE    | = 30   | CFS |
| 100 YEAR HW ELEVATION | = 39.9 | FT  |
| OVERTOPPING FREQUENCY | = 100+ | YRS |
| OVERTOPPING DISCHARGE | = 47   | CFS |
| OVERTOPPING ELEVATION | = 41.5 | FT  |

UNDERCUT EXCAVATION



STV Engineers, Inc.  
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NC License Number F-0991

|  |             |                     |             |
|--|-------------|---------------------|-------------|
| PROJECT REFERENCE NO.  | U-4751      | SHEET NO.           | 61          |
| ROADWAY DESIGN ENGINEER  | [Signature] | HYDRAULICS ENGINEER | [Signature] |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |             |                     |             |

