

1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
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WETHERILL ENGINEERING

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

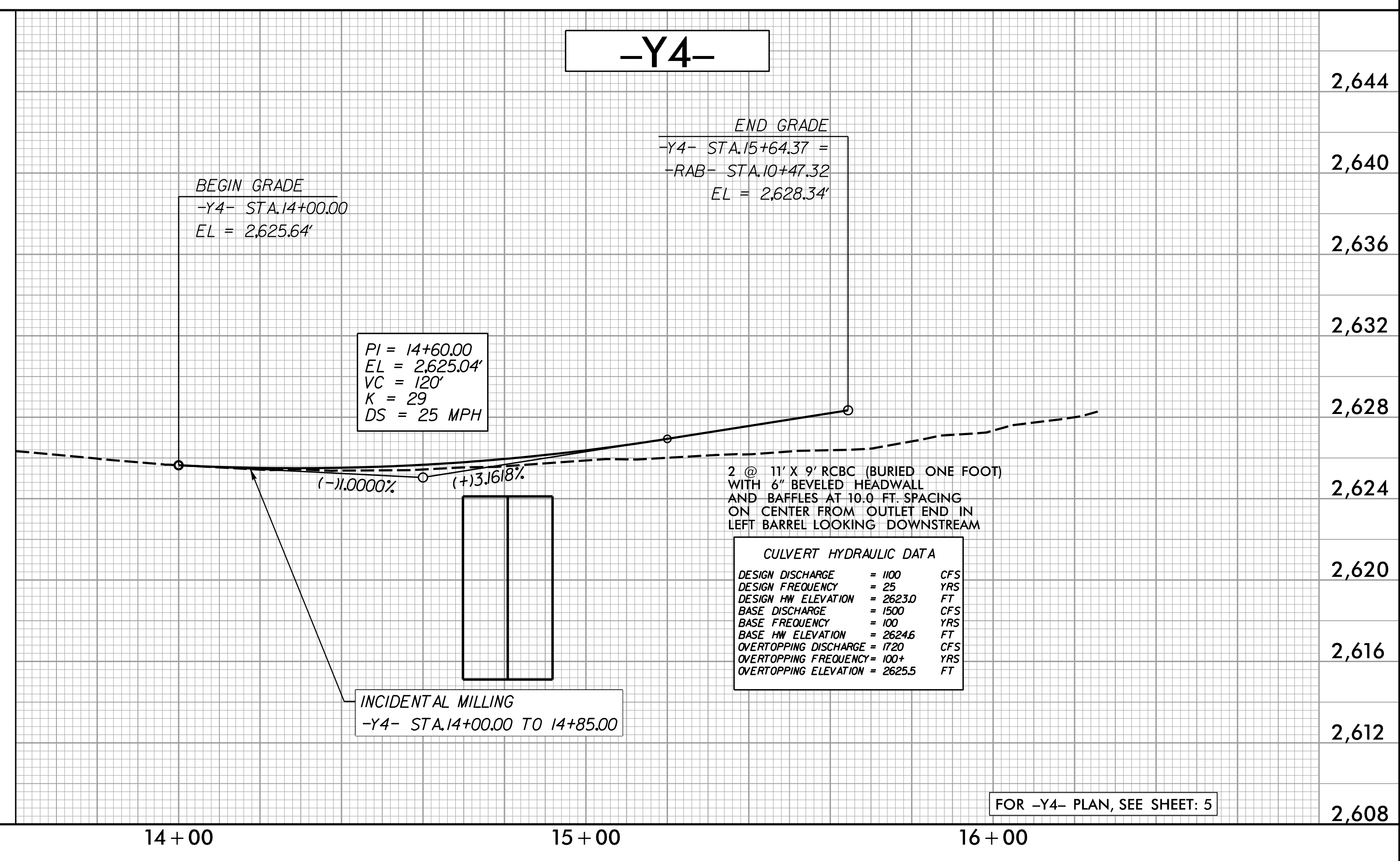
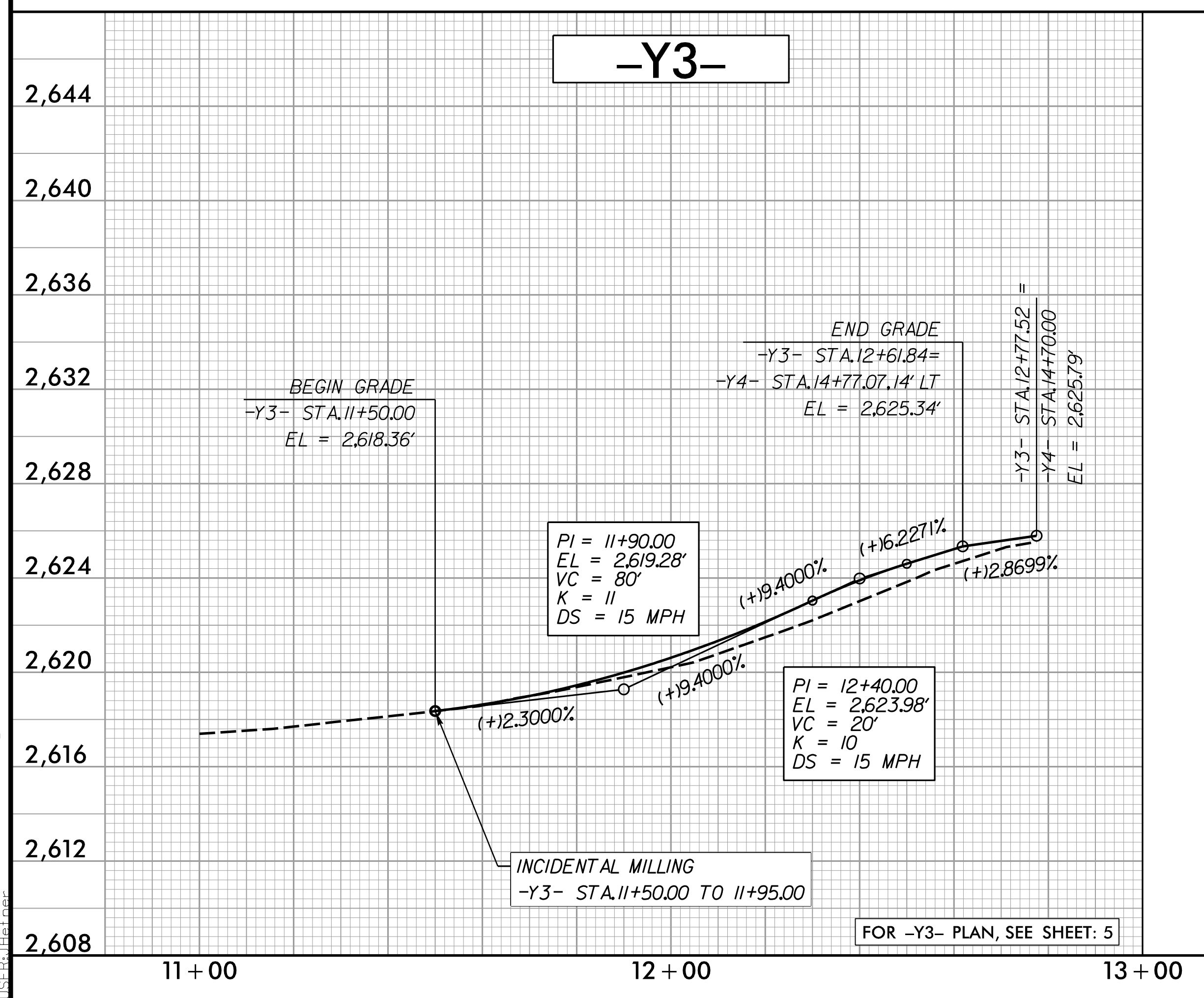
PROJECT REFERENCE NO. U-5888

SHEET NO. 10

ROADWAY DESIGN ENGINEER
Jonathan L. Parker
SEAL 35016
9/30/2021

HYDRAULICS ENGINEER
K. S. Sipes
SEAL 31977
9/30/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



2 @ 11' X 9' RCBC (BURIED ONE FOOT) WITH 6" BEVELED HEADWALL AND BAFFLES AT 10.0 FT. SPACING ON CENTER FROM OUTLET END IN LEFT BARREL LOOKING DOWNSTREAM

| CULVERT HYDRAULIC DATA | |
|------------------------|-------------|
| DESIGN DISCHARGE | = 1100 CFS |
| DESIGN FREQUENCY | = 25 YRS |
| DESIGN HW ELEVATION | = 2623.0 FT |
| BASE DISCHARGE | = 1500 CFS |
| BASE FREQUENCY | = 100 YRS |
| BASE HW ELEVATION | = 2624.6 FT |
| OVERTOPPING DISCHARGE | = 1720 CFS |
| OVERTOPPING FREQUENCY | = 100+ YRS |
| OVERTOPPING ELEVATION | = 2625.5 FT |

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