

5/14/99

STV 100 Years
 STV Engineers, Inc.
 300 West Trade St., Suite 715
 Charlotte, NC 28202
 NC License Number F-0991

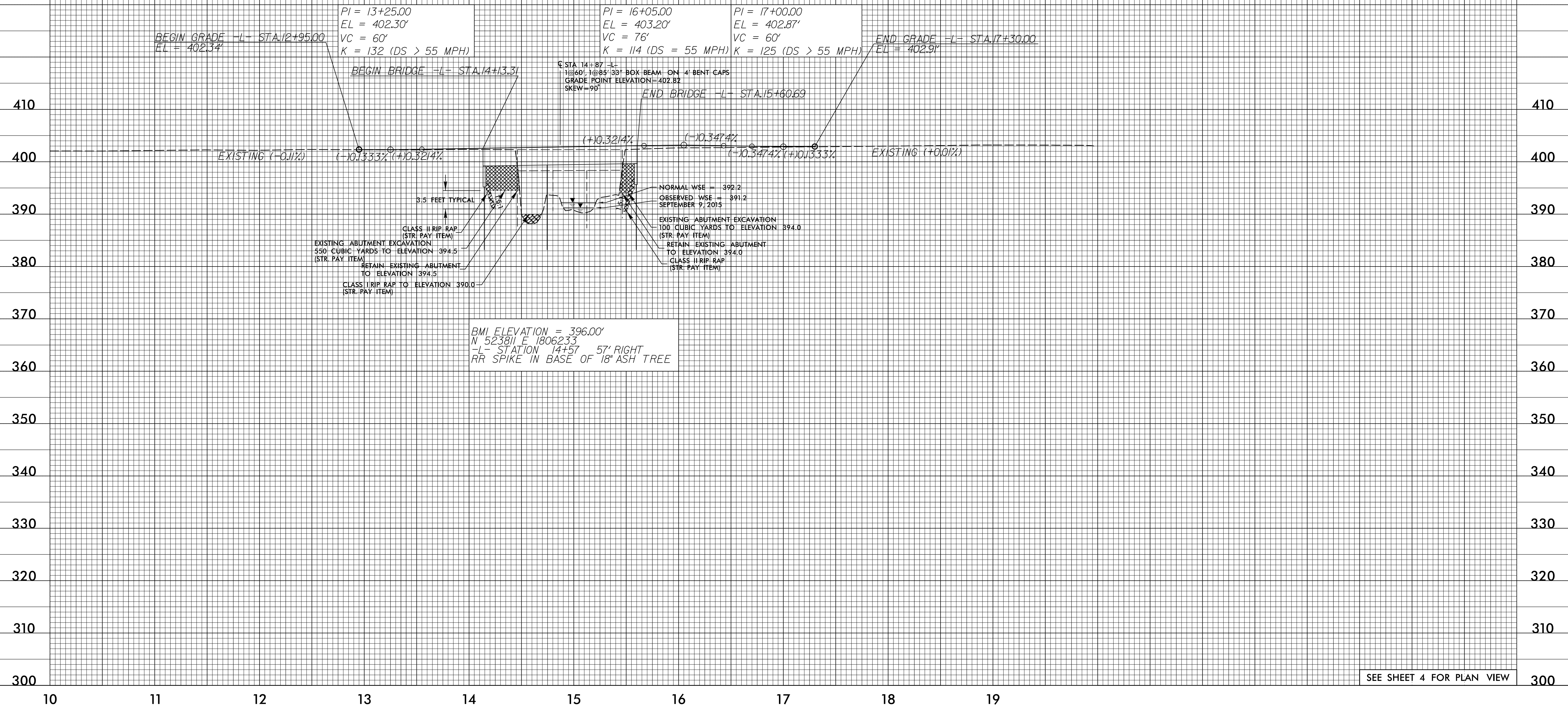
PROJECT REFERENCE NO. B-5362	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE = 1200 CFS
 DESIGN FREQUENCY = 50 YRS
 DESIGN HW ELEVATION = 396.40 FT
 BASE DISCHARGE = 1300 CFS
 BASE FREQUENCY = 100 YRS
 BASE HW ELEVATION = 396.51 FT
 OVERTOPPING DISCHARGE = 9000 CFS
 OVERTOPPING FREQUENCY = 500++ YRS
 OVERTOPPING ELEVATION = 402.1* FT

DATE OF SURVEY = 9/9/15
 W.S. ELEVATION AT DATE OF SURVEY = 391.2 FT

*OVERTOPPING ELEVATION EQUALS NORMAL CROWN AT SAG LOCATION, STATION 10+00.00 -L-



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SEE SHEET 4 FOR PLAN VIEW