

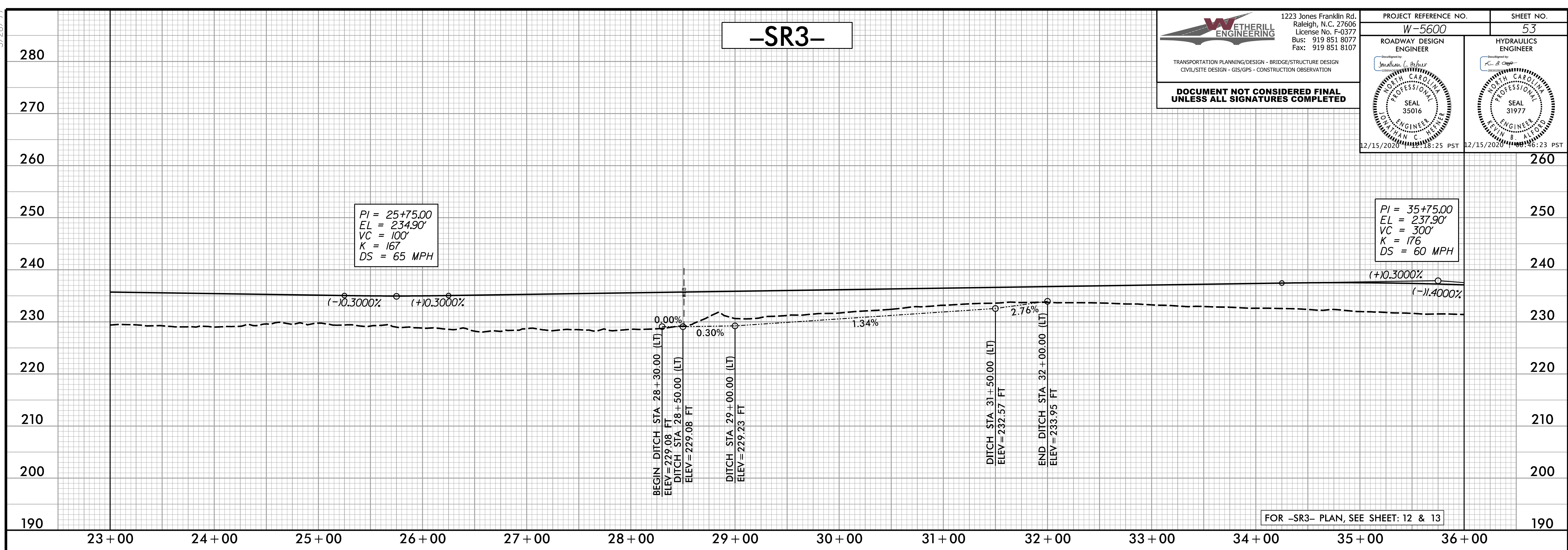
5/28/19

WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

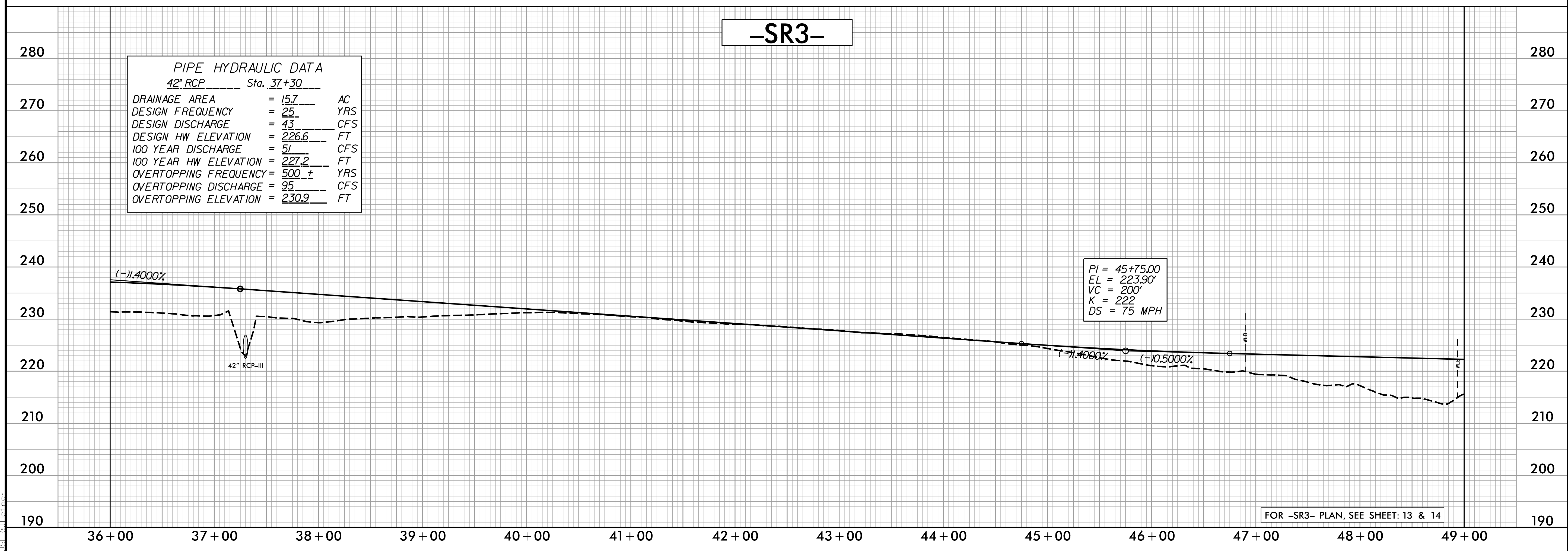
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO. W-5600	SHEET NO. 53
ROADWAY DESIGN ENGINEER <i>Jonathan C. Heiser</i>	HYDRAULICS ENGINEER <i>A. B. Clegg</i>
SEAL 35016 JANUARY 15, 2020	SEAL 31977 JANUARY 15, 2020



FOR -SR3- PLAN, SEE SHEET: 12 & 13



PIPE HYDRAULIC DATA
 42" RCP Sta. 37+30

DRAINAGE AREA	= 15.7	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 43	CFS
DESIGN HW ELEVATION	= 226.6	FT
100 YEAR DISCHARGE	= 51	CFS
100 YEAR HW ELEVATION	= 227.2	FT
OVERTOPPING FREQUENCY	= 500 ±	YRS
OVERTOPPING DISCHARGE	= 95	CFS
OVERTOPPING ELEVATION	= 230.9	FT

FOR -SR3- PLAN, SEE SHEET: 13 & 14

12/14/2020 11:55:13 AM
 I:\Projects\5600_rdy_psh_53_p1.dgn