

5/28/20

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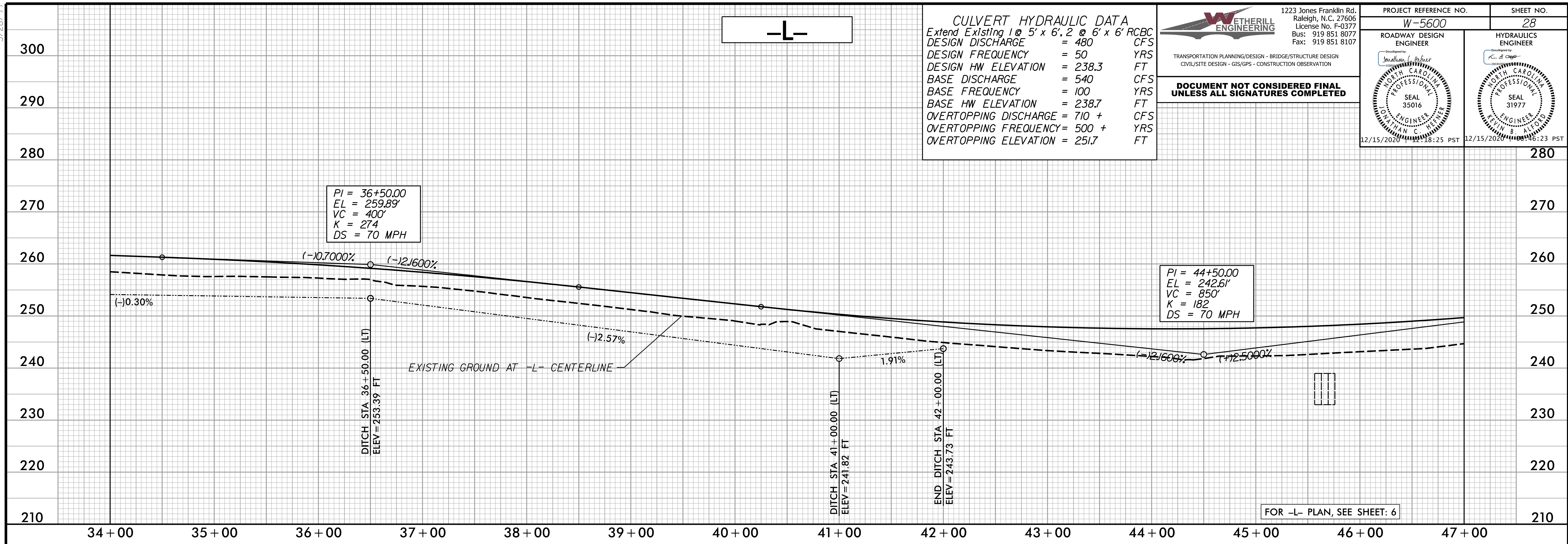
CULVERT HYDRAULIC DATA
 Extend Existing 1 @ 5' x 6', 2 @ 6' x 6' RCBC
 DESIGN DISCHARGE = 480 CFS
 DESIGN FREQUENCY = 50 YRS
 DESIGN HW ELEVATION = 238.3 FT
 BASE DISCHARGE = 540 CFS
 BASE FREQUENCY = 100 YRS
 BASE HW ELEVATION = 238.7 FT
 OVERTOPPING DISCHARGE = 710 + CFS
 OVERTOPPING FREQUENCY = 500 + YRS
 OVERTOPPING ELEVATION = 251.7 FT

WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
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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. 28
ROADWAY DESIGN ENGINEER <i>[Signature]</i>	HYDRAULICS ENGINEER <i>[Signature]</i>
SEAL 35016 12/15/2020 12:18:25 PST	SEAL 31977 12/15/2020 12:16:23 PST

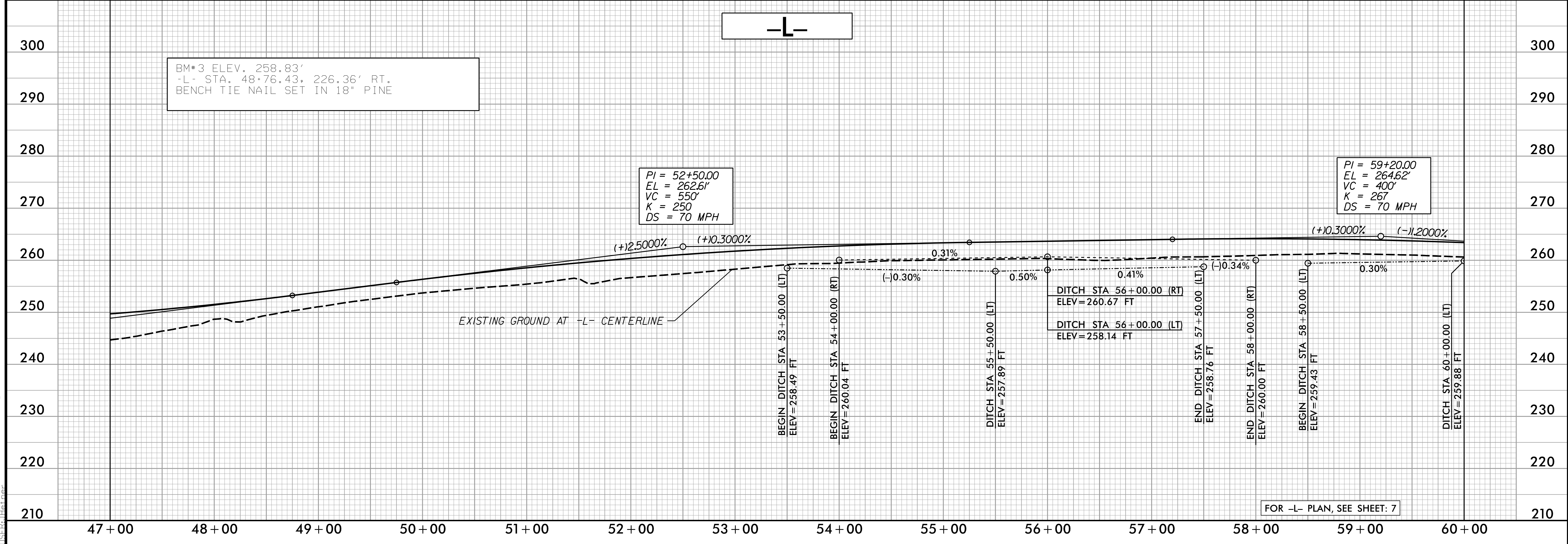


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BM#3 ELEV. 258.83'
 -L- STA. 48+76.43, 226.36' RT.
 BENCH TIE NAIL SET IN 18" PINE

PI = 52+50.00
 EL = 262.61'
 VC = 550'
 K = 250
 DS = 70 MPH

PI = 59+20.00
 EL = 264.62'
 VC = 400'
 K = 267
 DS = 70 MPH



12/14/2020 11:58:13 AM W-5600_rdy_psh_28_p1.dgn