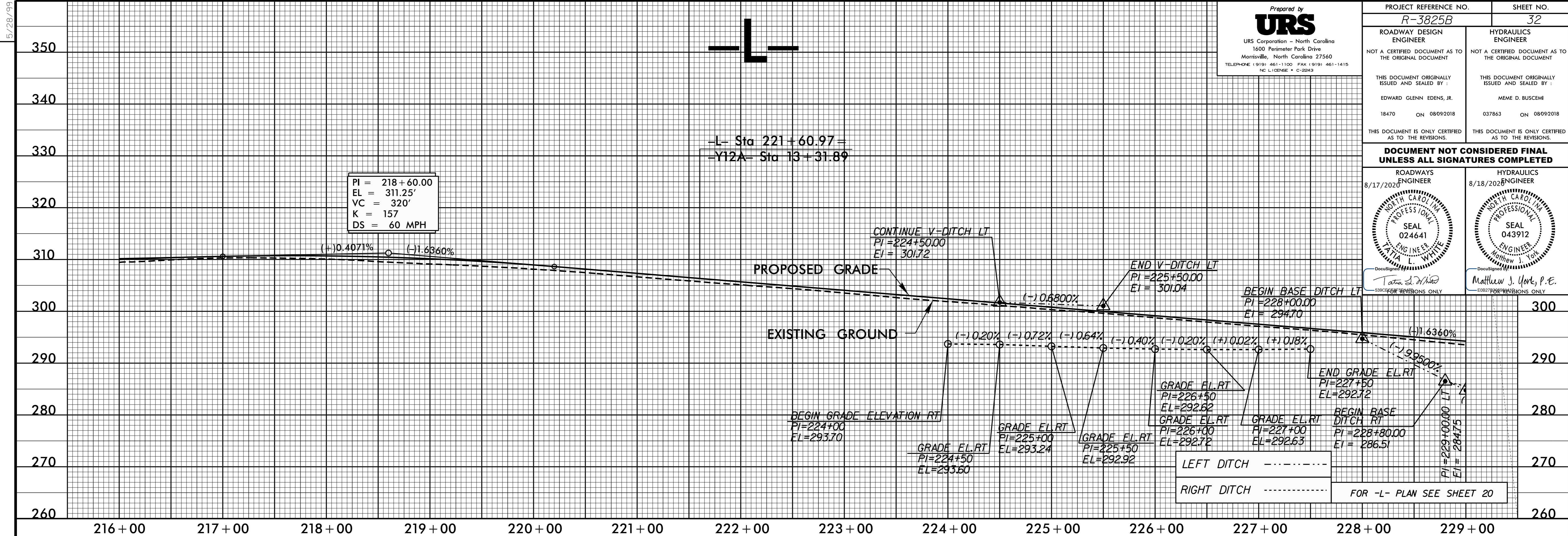


10/16/2019 - CONSTRUCTION REVISION: REVISED BEGIN BASE DITCH RT TO START AT -L- STA. 228+80.00 EL. 286.51. HN  
 08/17/2020 - CONSTRUCTION REVISION: ADDED PROFILE FOR GRADING DETAIL #2001 FROM -L- STA. 224+00 TO STA. 227+50. ADDED PROFILE FOR DRAINAGE GRADING DETAIL #2101 FROM -L- STA. 231+00 TO STA. 232+00 RIGHT. HN



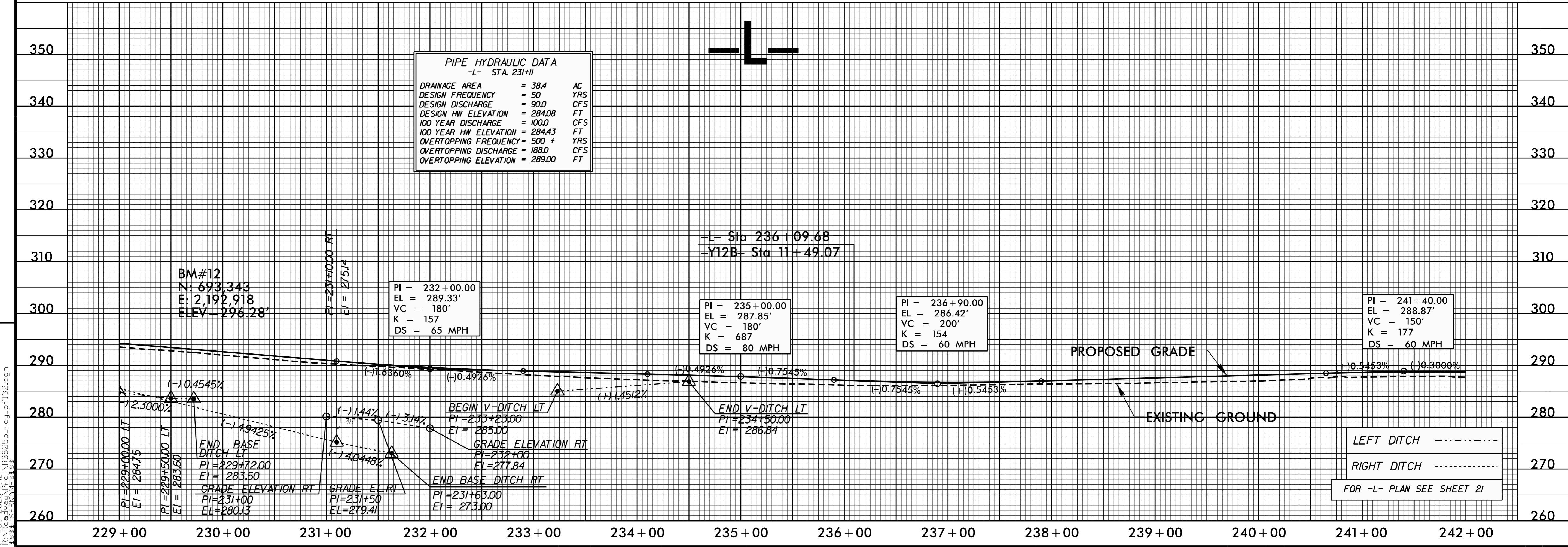
Prepared by  
**URS**  
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 NC LICENSE # C-2243

PROJECT REFERENCE NO. <b>R-3825B</b>	SHEET NO. <b>32</b>
ROADWAY DESIGN ENGINEER NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT	HYDRAULICS ENGINEER NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT
THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY: EDWARD GLENN EDENS, JR. 18470 ON 08/09/2018	THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY: MEHE D. BUSCEMI 037863 ON 08/09/2018
THIS DOCUMENT IS ONLY CERTIFIED AS TO THE REVISIONS.	THIS DOCUMENT IS ONLY CERTIFIED AS TO THE REVISIONS.

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

ROADWAYS  
8/17/2020  
ENGINEER  
Tara L. White  
SEAL 024641  
NORTH CAROLINA PROFESSIONAL ENGINEER

HYDRAULICS  
8/18/2020  
ENGINEER  
Matthew J. York, P.E.  
SEAL 043912  
NORTH CAROLINA PROFESSIONAL ENGINEER



**PIPE HYDRAULIC DATA**  
-L- STA. 231+11

DRAINAGE AREA	= 38.4	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 90.0	CFS
DESIGN HW ELEVATION	= 284.08	FT
100 YEAR DISCHARGE	= 100.0	CFS
100 YEAR HW ELEVATION	= 284.43	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 188.0	CFS
OVERTOPPING ELEVATION	= 289.00	FT

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