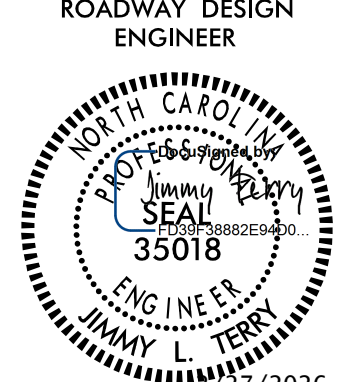
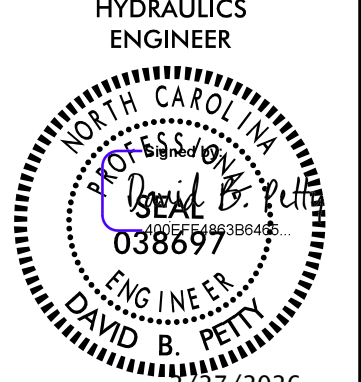


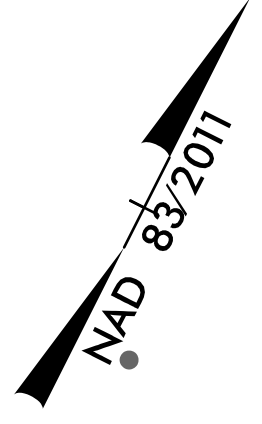
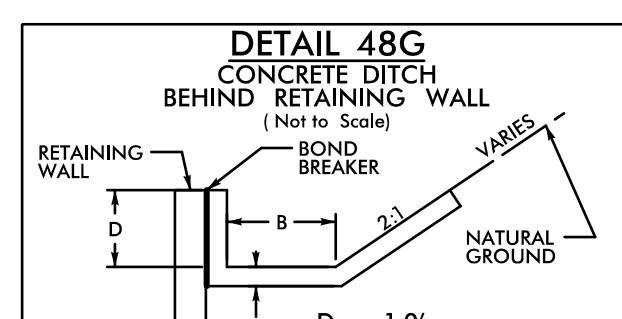
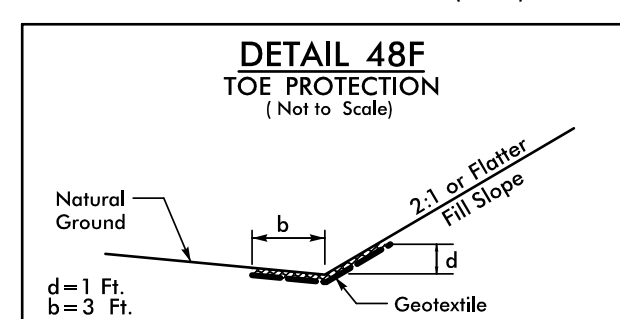
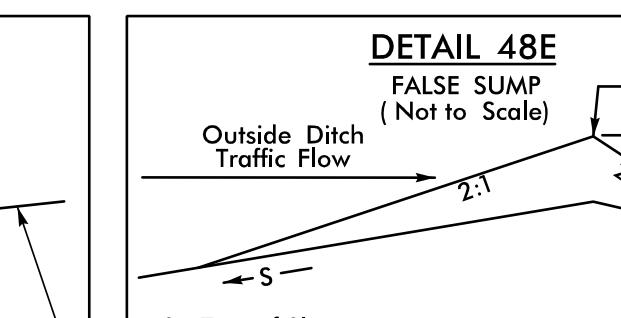
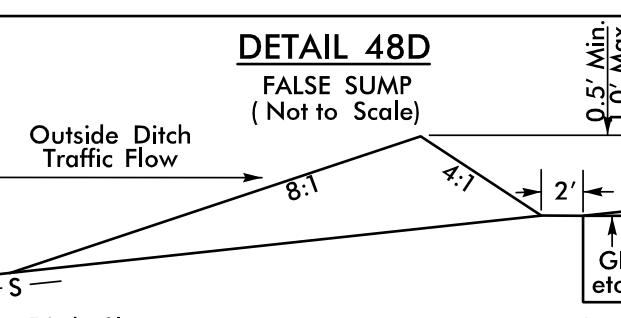
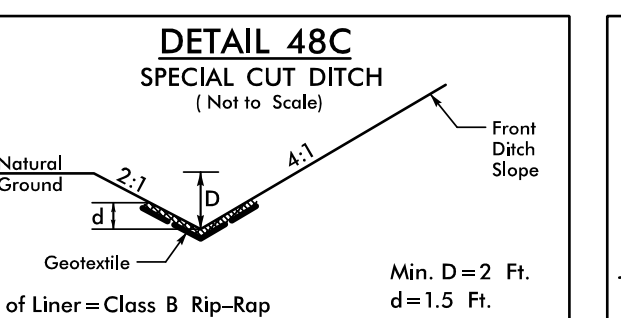
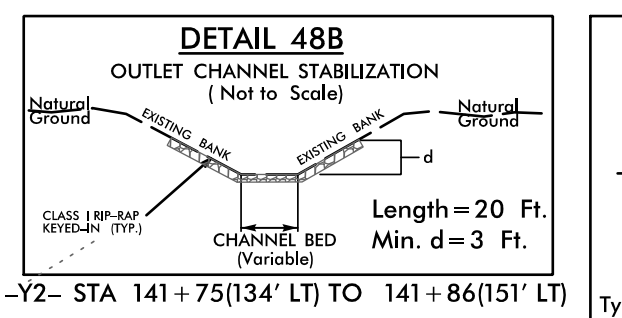
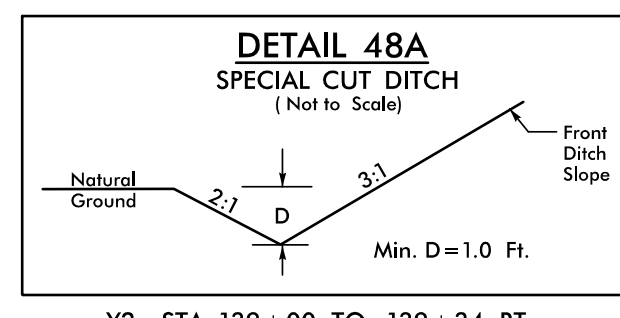
PROJECT REFERENCE NO. A-0009CD	SHEET NO. 48
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	

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

**TGS ENGINEERS**  
201 W. MARION ST  
SHELBY, NC 28150  
PH (704) 476-0003  
CORP. LICENSE NO.: C-0275

**-Y2- CURVE DATA**

PI Sta 142+30.76 Δ = 1° 24' 23.1" (LT) D = 0' 28' 38.9" L = 294.56' T = 147.29' R = 12,000.00' SE = NC DS = 60 MPH	PI Sta 152+17.13 Δ = 5° 14' 50.1" (RT) D = 5' 21' 17.1" L = 1,013.07' T = 548.10' R = 1,070.00' SE = 0.08 DS = 55 MPH
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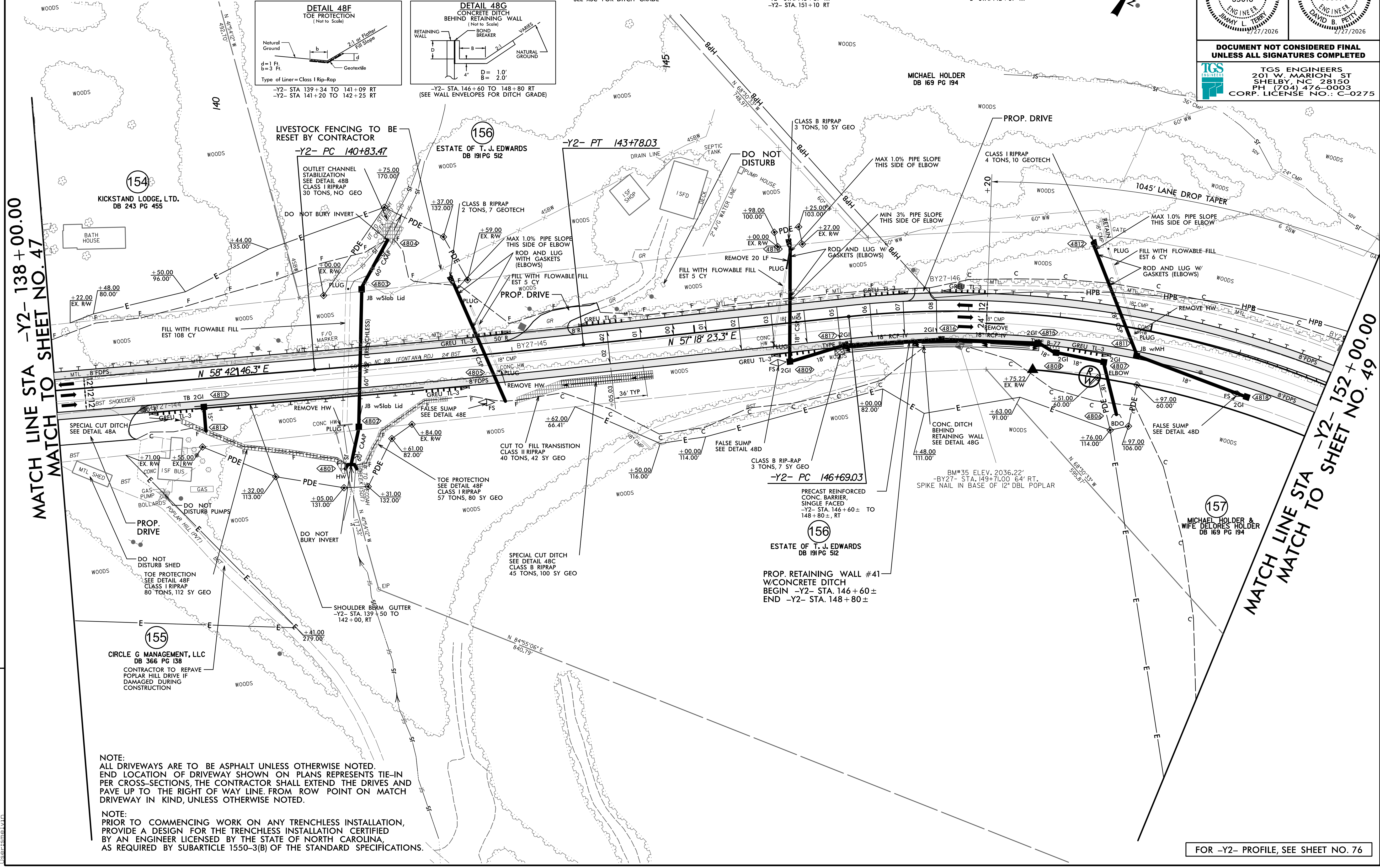
MATCH LINE STA -Y2- 138+00.00  
MATCH TO SHEET NO. 47

MATCH LINE STA -Y2- 152+00.00  
MATCH TO SHEET NO. 49

REVISIONS

7/20/25  
K:\0001\VA-0009\Roadway\Proj\VA-0009CD\_Plan  
Sheets\VA-0009CD\_Rdy\_psh\_48.dgn

8/17/99



**NOTE:**  
ALL DRIVEWAYS ARE TO BE ASPHALT UNLESS OTHERWISE NOTED.  
END LOCATION OF DRIVEWAY SHOWN ON PLANS REPRESENTS TIE-IN  
PER CROSS-SECTIONS, THE CONTRACTOR SHALL EXTEND THE DRIVES AND  
PAVE UP TO THE RIGHT OF WAY LINE FROM ROW POINT ON MATCH  
DRIVEWAY IN KIND, UNLESS OTHERWISE NOTED.

**NOTE:**  
PRIOR TO COMMENCING WORK ON ANY TRENCHLESS INSTALLATION,  
PROVIDE A DESIGN FOR THE TRENCHLESS INSTALLATION, CERTIFIED  
BY AN ENGINEER LICENSED BY THE STATE OF NORTH CAROLINA,  
AS REQUIRED BY SUBARTICLE 1550-3(B) OF THE STANDARD SPECIFICATIONS.

FOR -Y2- PROFILE, SEE SHEET NO. 76