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Cherokee County
Bridge #190182

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.205	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

NAD 83/2011

-L- CURVE DATA

PI Sta 13+59.30
△ = 2° 03' 46.2" (RT)
D = 28° 38' 52.4"
L = 7.20'
T = 3.60'
R = 200.00'

PI Sta 15+75.14
△ = 79° 00' 27.6" (RT)
D = 35° 48' 35.5"
L = 220.63'
T = 131.91'
R = 160.00'
SE = 0.04
DS = 25 MPH

PI Sta 17+98.03
△ = 33° 55' 01.8" (LT)
D = 13° 01' 18.4"
L = 260.47'
T = 134.17'
R = 440.00'
SE = NC
DS = 30 MPH

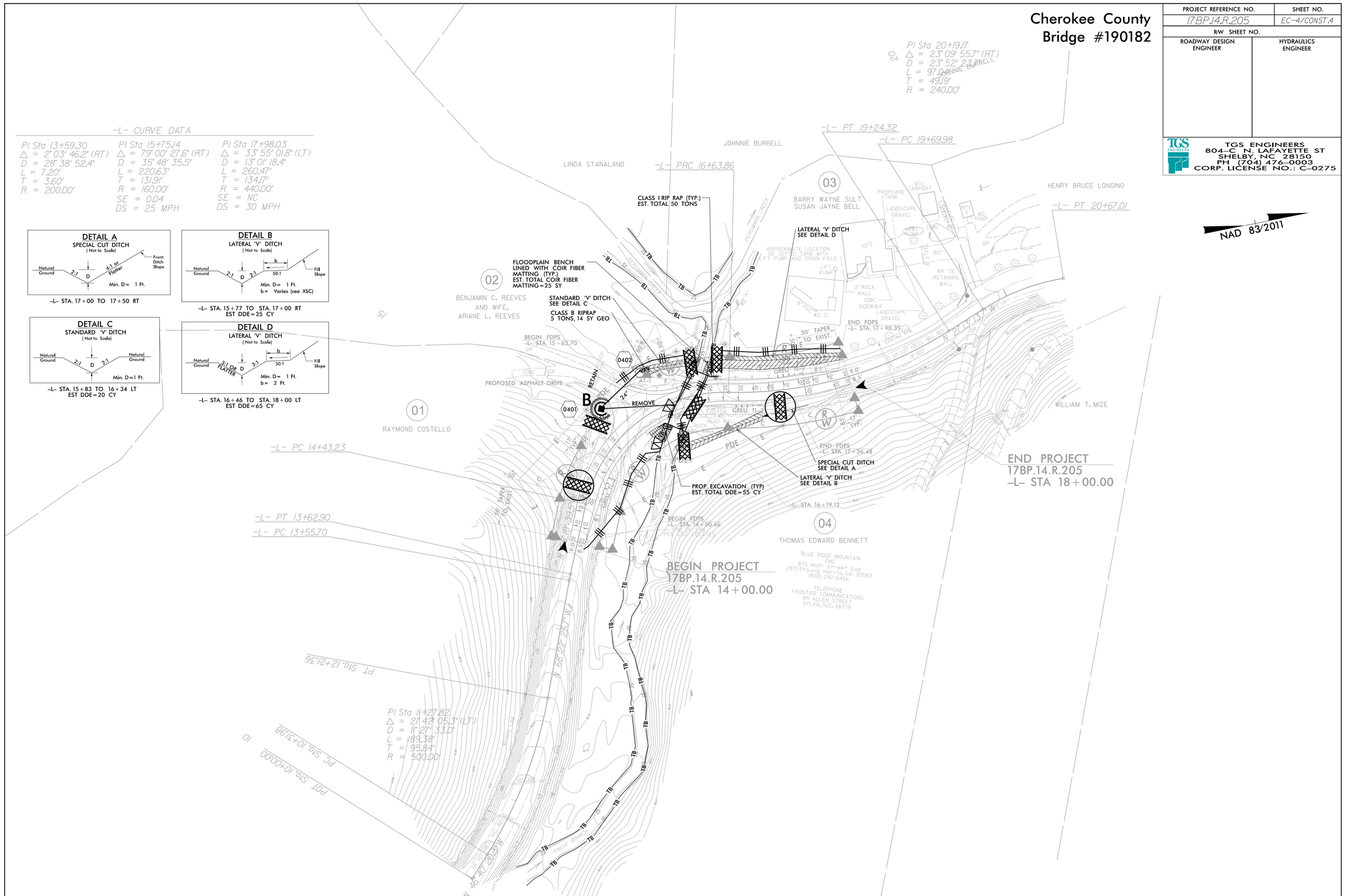
PI Sta 20+19.17
△ = 23° 09' 55.7" (RT)
D = 23° 52' 23.2"
L = 97.04'
T = 49.19'
R = 240.00'

-L- STA. 17+00 TO 17+50 RT

-L- STA. 15+77 TO STA. 17+00 RT
EST DDE=35 CY

-L- STA. 15+83 TO 16+34 LT
EST DDE=20 CY

-L- STA. 16+46 TO STA. 18+00 LT
EST DDE=65 CY



NOTE:
UTILIZE SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.