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8/17/99

REVISIONS

JACKSON COUNTY
BRIDGE #490001

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.203	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER: JAMES CARROLL TERRY, SEAL 35018, ENGINEER

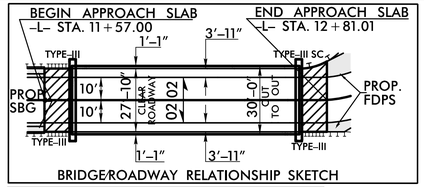
HYDRAULICS ENGINEER: DAVID B. PETTY, SEAL 038697, ENGINEER

11/14/2018 6:19:10 AM PST 11/14/2018 6:32:34 AM

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

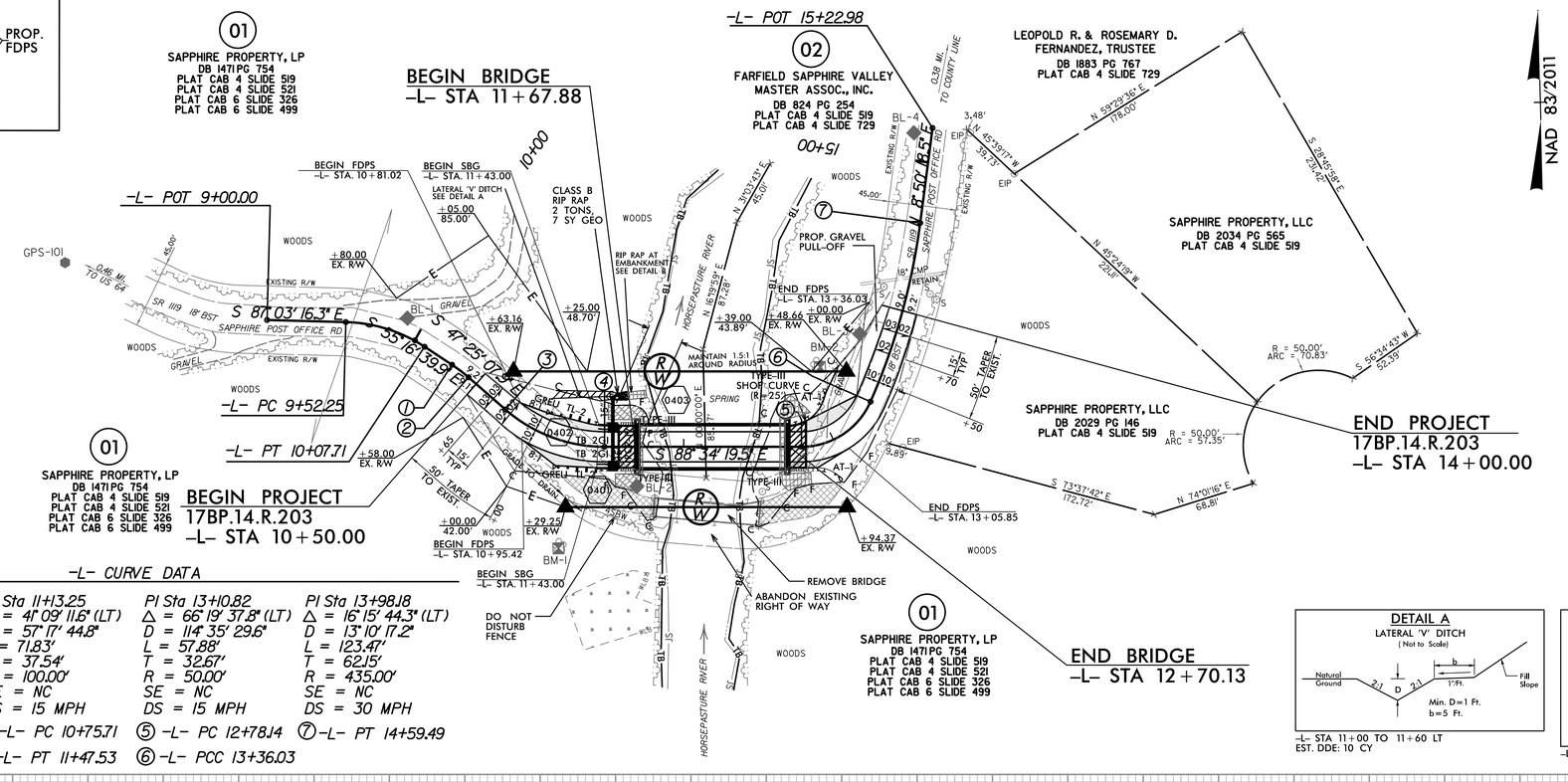
TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

NAD 83/2011



BRIDGE/ROADWAY RELATIONSHIP SKETCH

FOR STRUCTURE PLANS, SEE SHEET S-1 THRU S-20

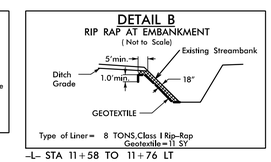


-L- CURVE DATA

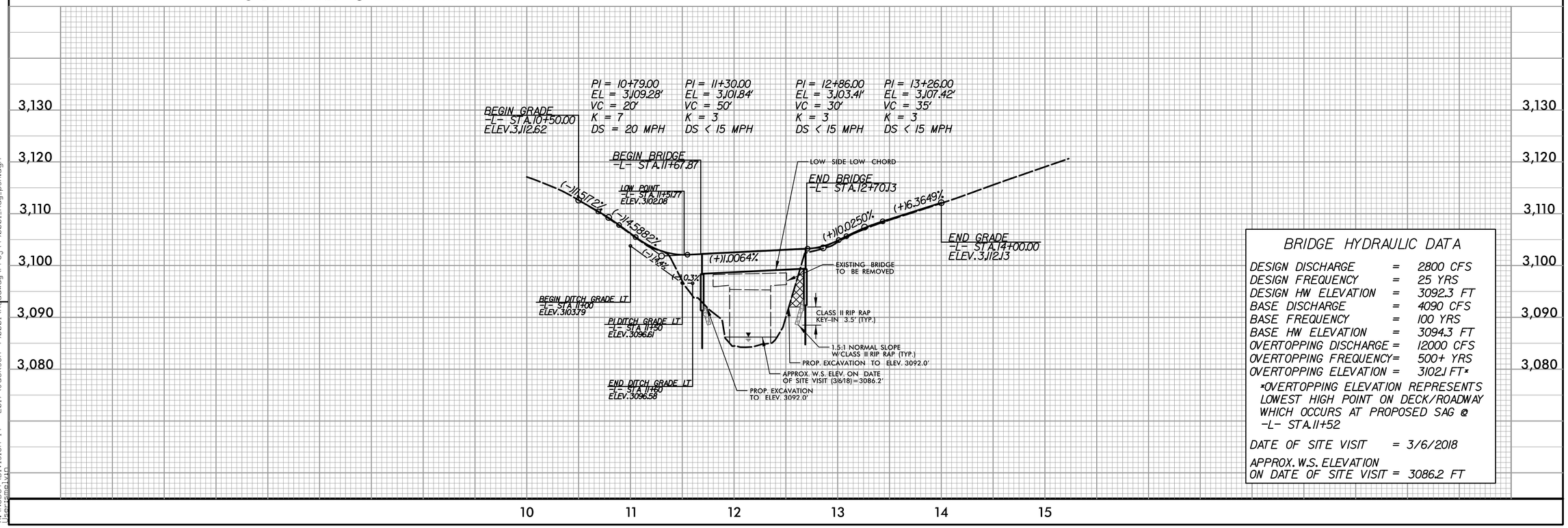
PI Sta 9+80.72	PI Sta 10+36.37	PI Sta 11+13.25	PI Sta 13+10.82	PI Sta 13+98.18
Δ = 31° 46' 36.4" (RT)	Δ = 7° 51' 32.0" (RT)	Δ = 41° 09' 11.6" (LT)	Δ = 66° 19' 37.8" (LT)	Δ = 16° 15' 44.3" (LT)
D = 57° 17' 44.8"	D = 57° 17' 44.8"	D = 57° 17' 44.8"	D = 114° 35' 29.6"	D = 13° 10' 17.2"
L = 55.46'	L = 13.72'	L = 71.83'	L = 57.88'	L = 123.47'
T = 28.46'	T = 6.87'	T = 37.54'	T = 32.67'	T = 62.15'
R = 100.00'	R = 100.00'	R = 100.00'	R = 50.00'	R = 435.00'
		SE = NC	SE = NC	SE = NC
		DS = 15 MPH	DS = 15 MPH	DS = 30 MPH

① -L- PC 10+29.50
② -L- PT 10+43.22
③ -L- PC 10+75.71
④ -L- PT 11+47.53
⑤ -L- PC 12+78.14
⑥ -L- PCC 13+36.03
⑦ -L- PT 14+59.49

-L- STA 11+00 TO 11+60 LT
EST. DDE: 10 CY



-L- STA 11+58 TO 11+76 LT



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	2800 CFS
DESIGN FREQUENCY	=	25 YRS
DESIGN HW ELEVATION	=	3092.3 FT
BASE DISCHARGE	=	4090 CFS
BASE FREQUENCY	=	100 YRS
BASE HW ELEVATION	=	3094.3 FT
OVERTOPPING DISCHARGE	=	12000 CFS
OVERTOPPING FREQUENCY	=	500+ YRS
OVERTOPPING ELEVATION	=	3102.1 FT*

*OVERTOPPING ELEVATION REPRESENTS LOWEST HIGH POINT ON DECK/ROADWAY WHICH OCCURS AT PROPOSED SAG @ -L- STA.11+52

DATE OF SITE VISIT = 3/6/2018

APPROX. W.S. ELEVATION ON DATE OF SITE VISIT = 3086.2 FT

11/13/2018
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