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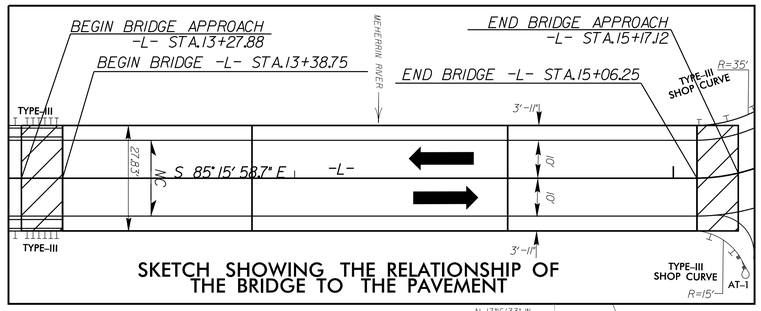
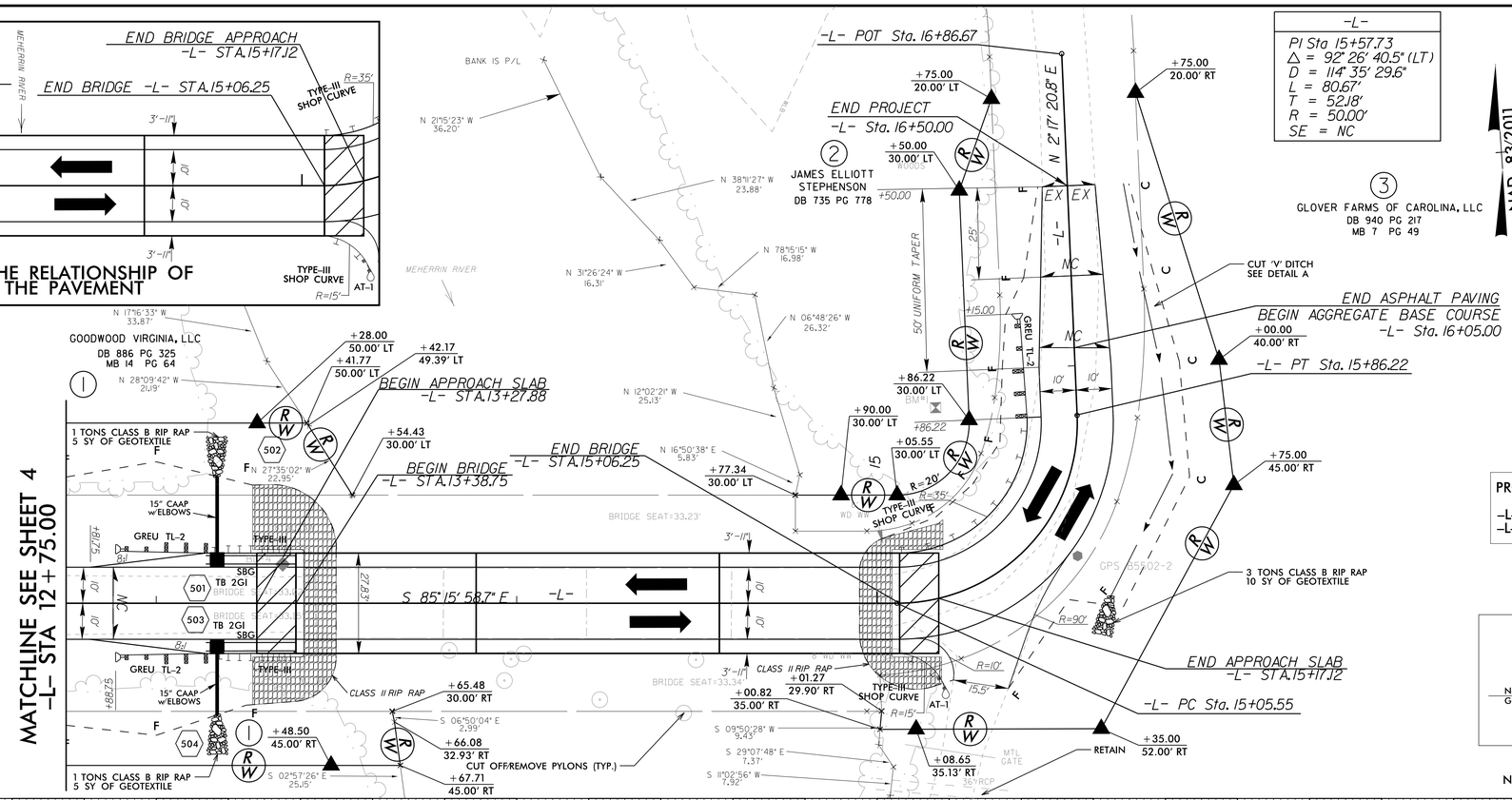
8/17/99

REVISIONS



SKETCH SHOWING THE RELATIONSHIP OF THE BRIDGE TO THE PAVEMENT



-L-
PI Sta 15+57.73
△ = 92° 26' 40.5" (LT)
D = 114° 35' 29.6"
L = 80.67'
T = 52.18'
R = 50.00'
SE = NC

PROJECT REFERENCE NO.	SHEET NO.
17BP.1.R.92	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 022610 ENGINEER BRUCE R. PAYNE	NORTH CAROLINA PROFESSIONAL SEAL 043351 ENGINEER KENNETH D. HUNG
DocuSigned by: Bruce Payne 828A45C2BB6A495... 5/4/2021	DocuSigned by: Ken Hung 707D4B1AB2DE409... 5/4/2021

NAD 83/2011

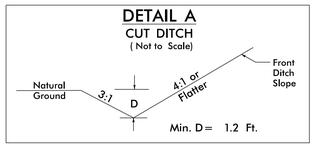
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

PROPOSED SHOULDER BERM GUTTER

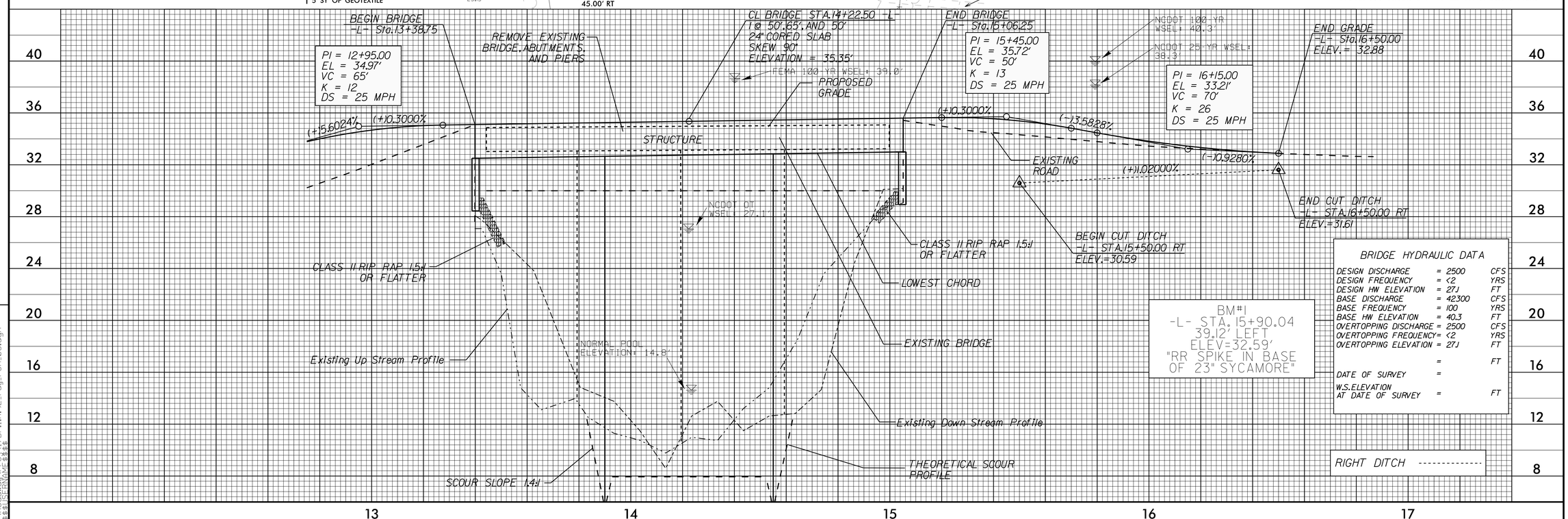
-L- STA. 13+13.75 TO 13+38.75 (LT)
-L- STA. 13+13.75 TO 13+38.75 (RT)

DETAIL A
CUT DITCH
(Not to Scale)



FROM STA. 15+50 TO STA. 16+50

NOTE: See Sheets S-1 – S-22 for Structure Plans



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	2500	CFS
DESIGN FREQUENCY	=	<2	YRS
DESIGN HW ELEVATION	=	27.1	FT
BASE DISCHARGE	=	42300	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	40.3	FT
OVERTOPPING DISCHARGE	=	2500	CFS
OVERTOPPING FREQUENCY	=	<2	YRS
OVERTOPPING ELEVATION	=	27.1	FT
	=		FT
DATE OF SURVEY	=		
W.S.ELEVATION AT DATE OF SURVEY	=		FT

BM#1
-L- STA. 15+90.04
39.12' LEFT
ELEV=32.59'
"RR SPIKE IN BASE OF 23" SYCAMORE"

RIGHT DITCH ----------

10-NOV-2020 16:39
R:\Roadway\Proj\17BP.1.R.92_rdy_PSH_05.dgn
$$$$USERNAME$$$$