DocuSign Envelope ID: 4100A186-972D-4C8A-A0D8-0DF744878377

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
BP1-R002	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 037874 ENGINEER TIMOTHY D. GOWINS — 8/7/2023 — DocuSign envelope ID: 000C7811FBE94F1... Tim Gowins

HYDRAULICS ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 033180 ENGINEER MIRANDA LOUISE SALTER — 8/7/2023 — DocuSign envelope ID: 0F0E0A2A9A1A4... Miranda Salter

Prepared by
vhb
940 Main Campus Drive, Suite 500
Raleigh, NC 27606
NC License No. C-3705

RIGHT OF WAY AREA DATA

#	NAME	ROW	TCE	PUE
1	H. LEROY MARTIN	1,498 SF	2,748 SF	2,473 SF
2	GURNEY O. BURGESS, III & JOSEPH HENRY BURGESS	742 SF	1,208 SF	
4	STATE HIGHWAY COMMISSION NO REFERENCE FOUND	828 SF	1,602 SF	

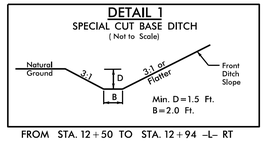
NAD 83/NA 2011

-L-

PI Sta 12+16.99	PI Sta 15+90.94	PI Sta 17+02.79	PI Sta 18+02.85
Δ = 27° 31' 28.1" (RT)	Δ = 17° 10' 49.0" (LT)	Δ = 3° 54' 13.9" (LT)	Δ = 8° 37' 06.6" (LT)
D = 11° 48' 48.8"	D = 9° 34' 40.3"	D = 8° 33' 01.1"	D = 5° 35' 21.3"
L = 232.99'	L = 179.37'	L = 45.66'	L = 154.20'
T = 118.79'	T = 90.37'	T = 22.84'	T = 77.24'
R = 485.00'	R = 598.21'	R = 670.10'	R = 1,025.11'
SE = 0.06	SE = 0.06	SE = 0.06	SE = EXIST.
RO = 40	RO = 40	V = 45mph	
V = 40mph			
2.8' CURVE WIDENING	3.2' CURVE WIDENING		

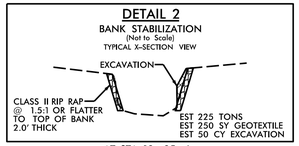
(SU-40 DESIGN VEHICLE USED FOR CURVE WIDENING)

DETAIL 1
SPECIAL CUT BASE DITCH
(Not to Scale)



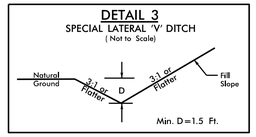
FROM STA. 12+50 TO STA. 12+94 -L- RT

DETAIL 2
BANK STABILIZATION
(Not to Scale)
TYPICAL X-SECTION VIEW

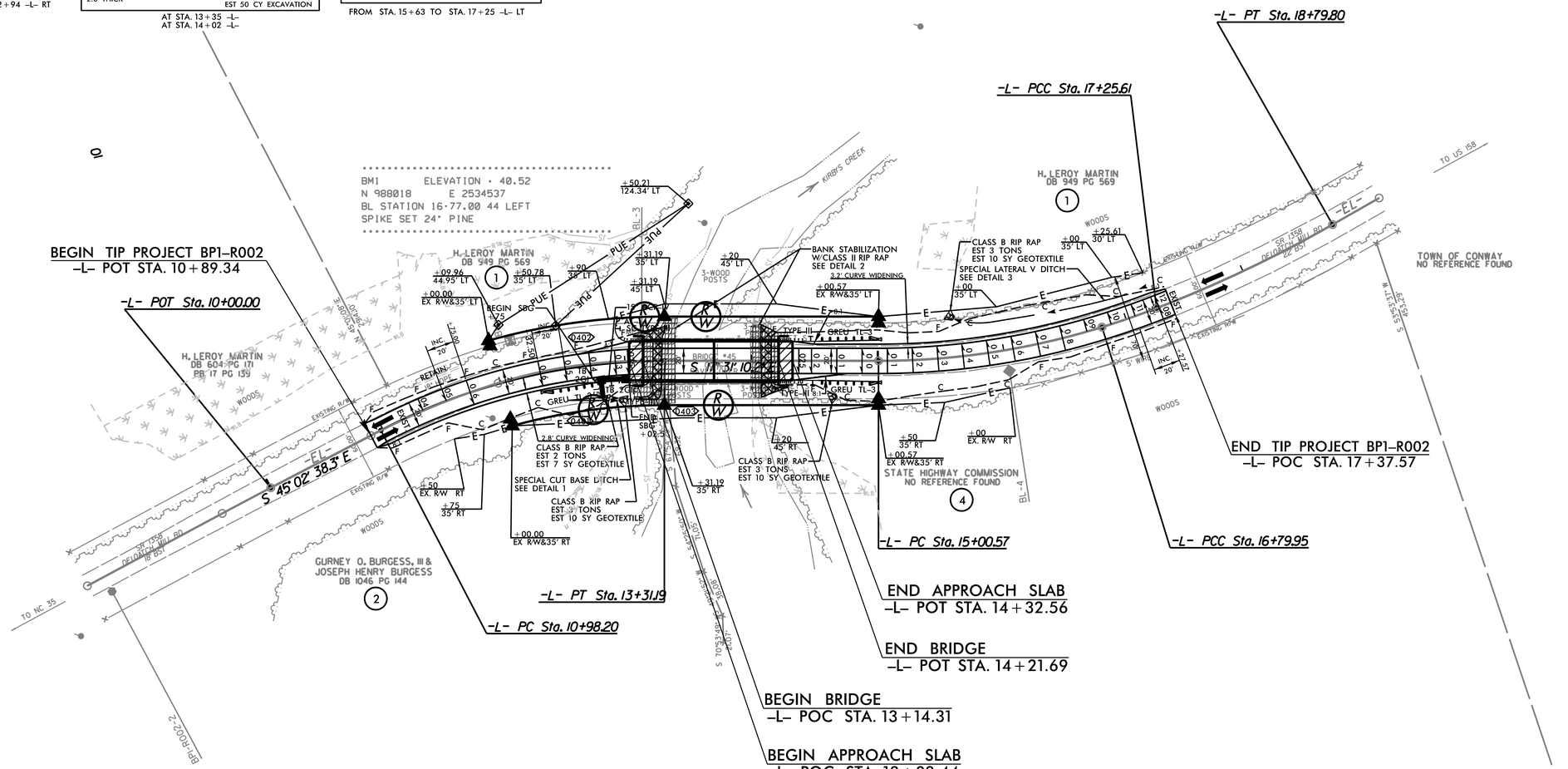


AT STA. 13+35 -L-
AT STA. 14+02 -L-

DETAIL 3
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



FROM STA. 15+63 TO STA. 17+25 -L- LT



FOR -L- PROFILE SEE SHEET 5

8/6/2023
BP1-R002_rdy_psh04.dgn
mhussey