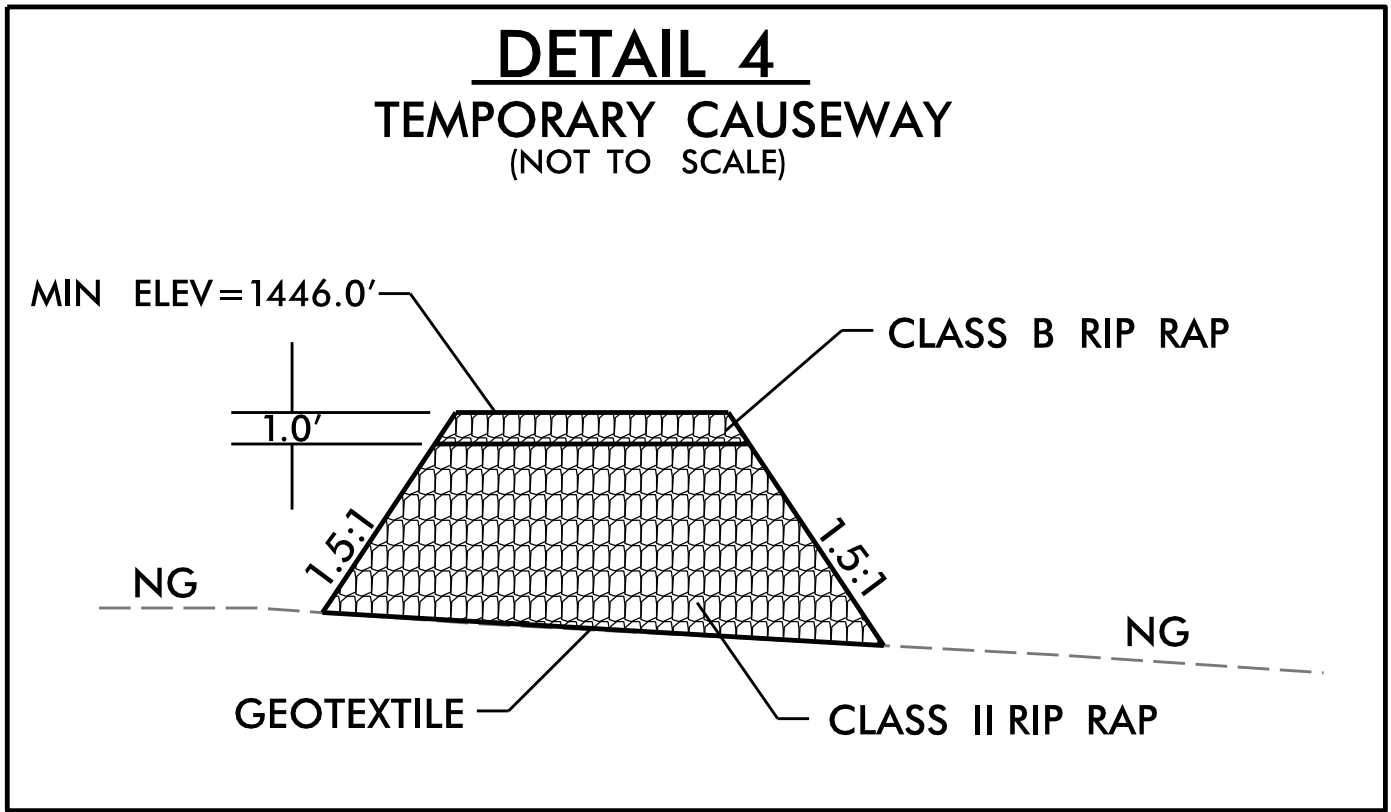


I HEREBY CERTIFY THESE PLANS  
ARE THE AS-BUILT PLANS

HYDRAULIC DATA	
DESIGN DISCHARGE	= 2300 C.F.S.
FREQUENCY OF DESIGN FLOOD	= 25 YRS.
DESIGN HIGH WATER ELEVATION	= 1449.4 FT
DRAINAGE AREA	= 11.5 SQ. MI.
BASIC DISCHARGE (Q100)	= 3460 C.F.S.
BASIC HIGH WATER ELEVATION	= 1450.9 FT
OVERTOPPING FLOOD DATA	
OVERTOPPING DISCHARGE	= 16000 C.F.S.
FREQUENCY OF OVERTOPPING FLOOD	= 500+ YRS.
OVERTOPPING FLOOD ELEVATION	= 1466.8 FT*
* ± 20' BEYOND EOB AT EOP	
WS EL. Taken @ River Station 76133	



FROM STA. 12+75 TO STA. 14+02 -L1-

PROJECT NO. **BP14-R038**

**POLK** COUNTY

STATION: 13+52.50 -L1-

SHEET 1 OF 4      REPLACES BRIDGE NO. 740009

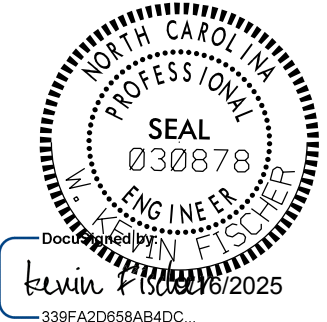
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

# GENERAL DRAWING

**FOR BRIDGE OVER NORTH  
PACOLET RIVER ON SR 1102  
(PEARSON FALLS RD)  
BETWEEN US 176 AND SR 110  
(FORK CREEK RD)**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			
						32

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED


$$\begin{aligned} \text{PI} &= 12+47.69 \\ \Delta &= 33^{\circ}45'13.9'' \text{ (LT)} \\ \text{D} &= 63^{\circ}39'43.1'' \\ \text{L} &= 53.02' \\ \text{T} &= 27.30' \\ \text{R} &= 90.00' \end{aligned}$$

EARTH BERM  
EL. 1458.85

PT  
STA. 12+73.41 -L1-

W.P. #1 AT FILL FACE  
@ END BENT 1

---

STA. 12+81.06 -L1-

W.P. #2 @ BENT 1  
STA. 13+17.43 -L1-

TING WINGWALL  
BE REMOVED (TYP.)  
TRANSPORTATION  
AGEMENT PLANS)

EL. 1459.44

TEMPORARY  
CAUSEWAY (TYP.)

W.P. #3 @ BENT 2  
STA. 13+92.57 -L1-

2.50 -L1-

EARTH BERM  
EL. 1459.94

TEMPORARY SHORING FOR  
MAINTENANCE OF TRAFFIC  
(ROADWAY PAY ITEM) (TYP.)

W.P. #4 AT FILL FACE  
@ END BENT 2  
STA. 14+23.94 -L1-

END APPROACH SLAB  
STA. 14+34.66 -L1-

## CLASS I RIP RAP

## PLAN

(PILES NOT SHOWN FOR CLARITY)



VHB Engineering NC, P.C. (C-3705)  
940 Main Campus Drive, Suite 500  
Raleigh, NC 27606

DRAWN BY : C.P. MALAGON	DATE : 08/2025
CHECKED BY : E.C. PHELPS	DATE : 08/2025
DESIGN ENGINEER OF RECORD: W.K. FISCHER	DATE : 09/2025

9/15/2025  
c:\bms\vhb-pw-01\d0248436\401\_001\_BP14-R038\_GD01.dgn  
cmqlggon