

HORIZONTAL CURVE DATA -L-

PI STA. 195+10.72
 $\Delta = 57^\circ 44' 33.0''$ (RT)
 $D = 4^\circ 45' 38.7''$
 $L = 1,212.88'$
 $T = 663.58'$
 $R = 1,203.50'$

GRADE DATA -L-

(-) 1.4200% (-) 0.3400%

PI = 195+00.00
 EL = 2,885.81'
 VC = 200.00'

HYDRAULIC DATA

DESIGN DISCHARGE = 2400 CFS
 FREQUENCY OF DESIGN FLOOD = 50 YEARS
 DESIGN HIGH WATER ELEVATION = 2,876.1 FT.
 DRAINAGE AREA = 9.5 SQ. MI.
 BASE DISCHARGE (Q100) = 2,900 CFS
 BASE HIGH WATER ELEVATION = 2,876.59 FT.

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE = >3,900 CFS
 FREQUENCY OF OVERTOPPING FLOOD = >500 YEARS
 OVERTOPPING FLOOD ELEVATION = 2,884.0 FT.
 OVERTOPPING ROAD = 200+00 -L-

SECTION ALONG -NBL- BRIDGE CONTROL LINE & Q BRIDGE

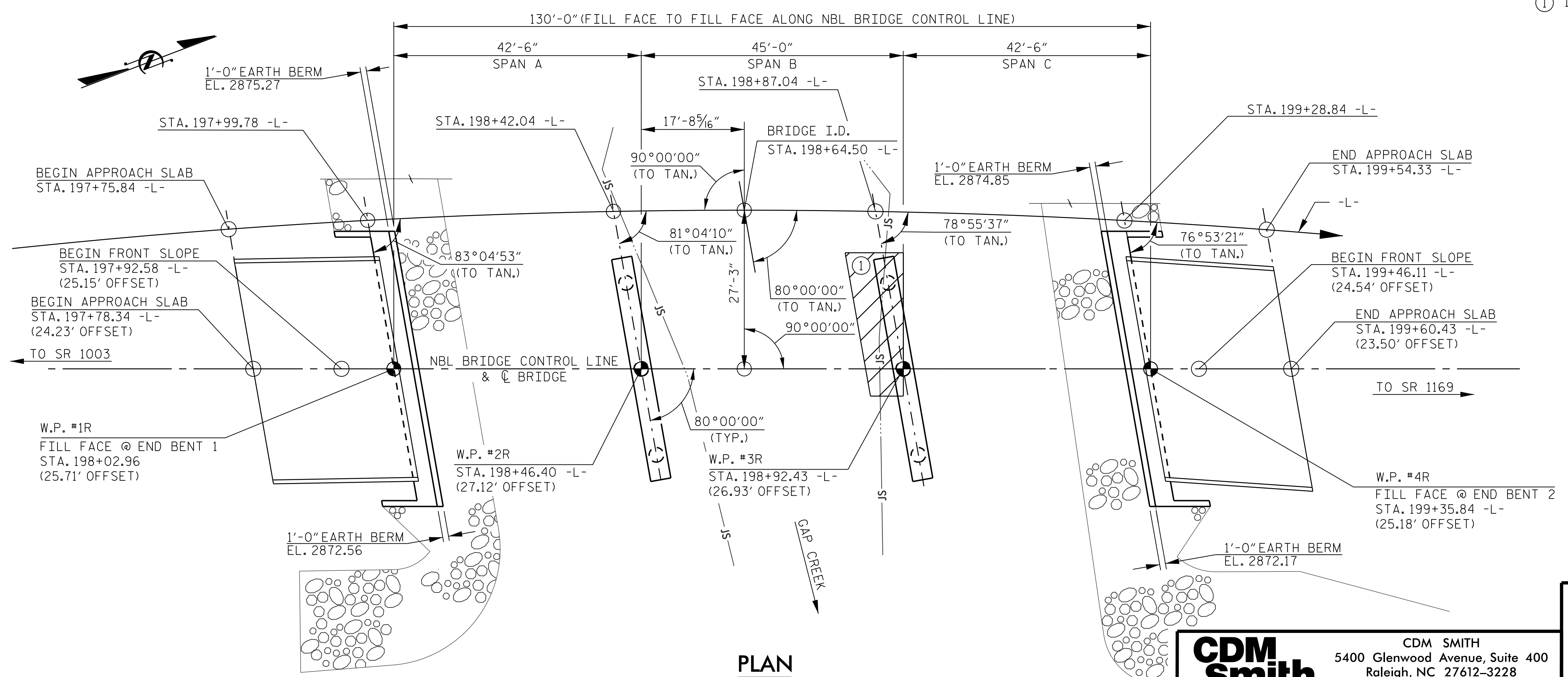
(SECTION AT END BENTS AND BENTS ARE AT RIGHT ANGLES TO BENTS)

TEMPORARY ROCK CAUSEWAY

TEMPORARY ROCK CAUSEWAY AREA

① 10'± X 25'± TEMPORARY ROCK CAUSEWAY AREA SHALL REMAIN IN PLACE UNTIL THE INTERIOR BENT SHAFTS, COLUMNS, AND CAP ARE CONSTRUCTED.

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS



PLAN

(PILES NOT SHOWN FOR CLARITY)

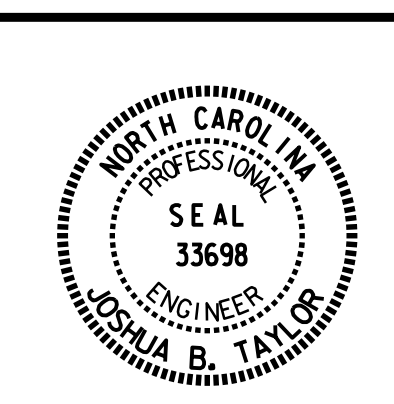
PROJECT NO. R-2915B

ASHE COUNTY

STATION: 198+64.50 -L-

SHEET 1 OF 4 BRIDGE NO. 539

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GENERAL DRAWING
 BRIDGE OVER GAP CREEK
 ON US 221 BETWEEN
 SR 1003 AND SR 1169
 (NBL)



CDM Smith
 5400 Glenwood Avenue, Suite 400
 Raleigh, NC 27612-3228
 NC COA No. F-1255

DRAWN BY : B. WADSWORTH DATE : 06-15 DWG. No.
 CHECKED BY : J. TAYLOR DATE : 06-15
 DESIGN ENGINEER : J. TAYLOR DATE : 06-15

REVISIONS		SHEET No.	
No.	BY:	DATE:	No.
1			3
2			4

TOTAL SHEETS 34

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