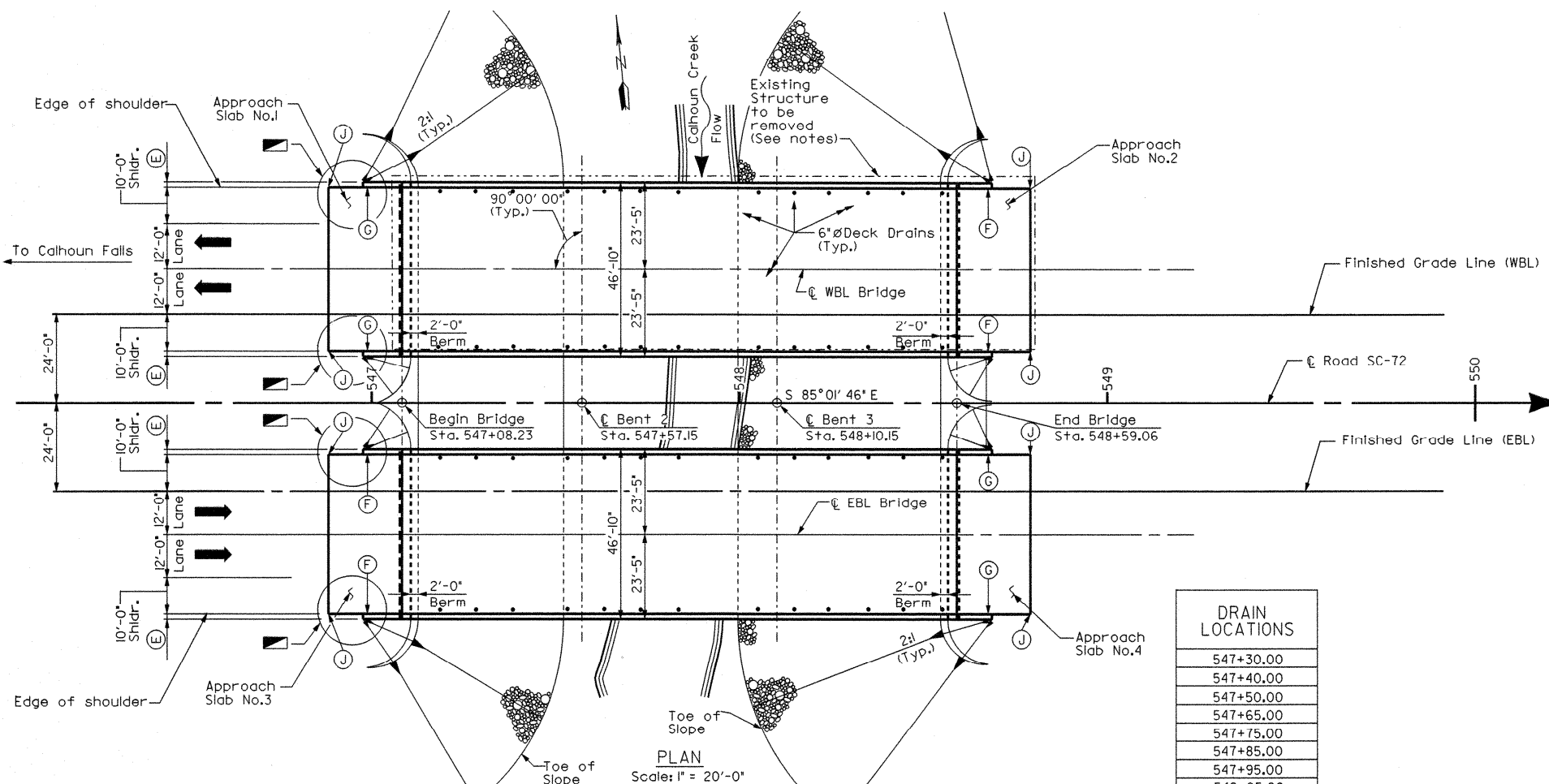


W.S.A. No. 1 SC10401A

SHEET NO.	TOTAL SHEETS
12	40

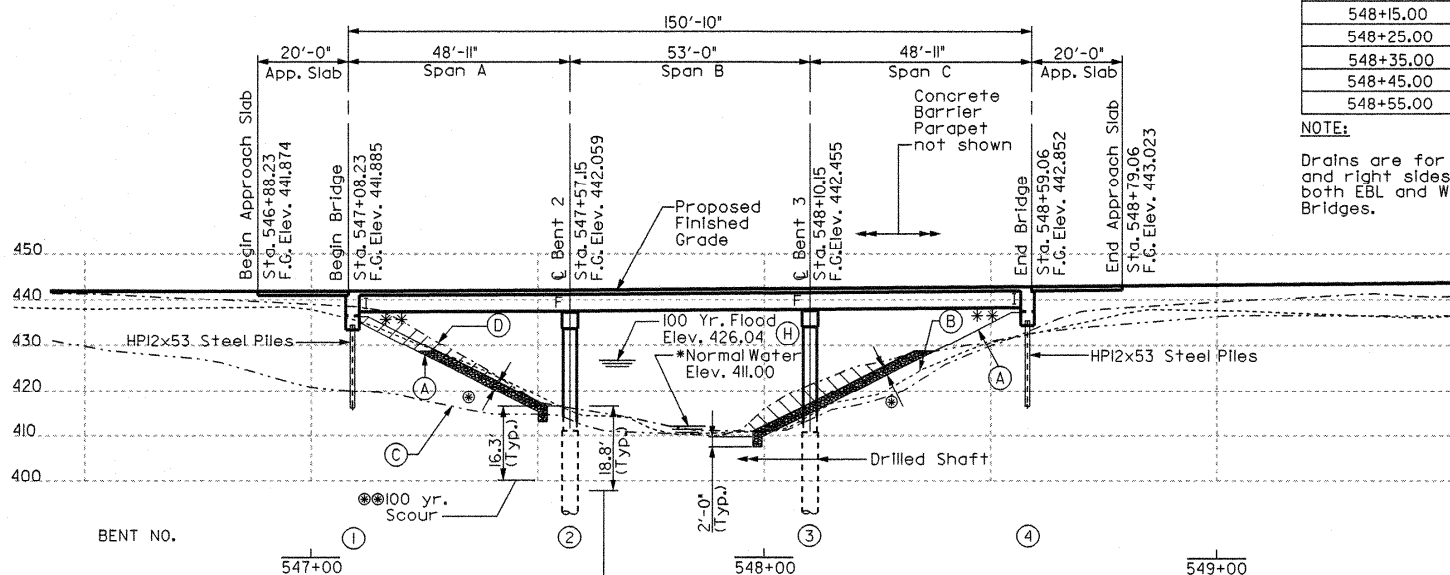


## DRAIN LOCATIONS

547+30.00
547+40.00
547+50.00
547+65.00
547+75.00
547+85.00
547+95.00
548+05.00
548+15.00
548+25.00
548+35.00
548+45.00
548+55.00

## NOTE:

Drains are for left and right sides of both EBL and WBL Bridges.



## SECTION ALONG FINISHED GRADE LINE

Scale: 1" = 20'-0"

\* The elevation is for information only and the actual water elevation during construction may vary depending on weather conditions and seasonal fluctuations.

2'-0" Rip-rap layer, by others, to Elevation 428.1 (Class B Rip-rap placed in accordance with Standard Specifications). See Roadway Plans.

\*\* 2:1 slope perpendicular to End Bent.

Area to be removed, by Road Contractor, see Roadway Plans.

Depth shown is typical depth below proposed groundline for each Drilled Shaft at each Interior Bent.

## HYDROLOGY DATA

D.A. = 32.0 Sq. Miles  
Q<sub>50</sub> = 3639 cfs  
Area furnished under Elev. 425.06 = 1037 sq. ft.  
Velocity = 5.1 ft/sec.  
Q<sub>100</sub> = 4207 cfs  
Area furnished under Elev. 426.04 = 1135 sq. ft.  
Velocity = 5.4 ft/sec.  
OVERTOPPING FLOOD PROBABILITY < 0.002

## NOTES:

Denotes direction of one lane of traffic.

Bridge deck drains (Typ.), see Standard Details.

Existing 47' x 175' Reinforced concrete bridge shall be removed and disposed of by the Contractor in accordance with Section 202.03 of the Standard Specifications and Supplemental Specifications.

For Roadway Sections and Dimensions see Roadway Plans.

For Standard Notes, see Sht. No. 3.

For Standard Details, see Sht. No. 4.

For Drain Details, see Sht. No. 5.

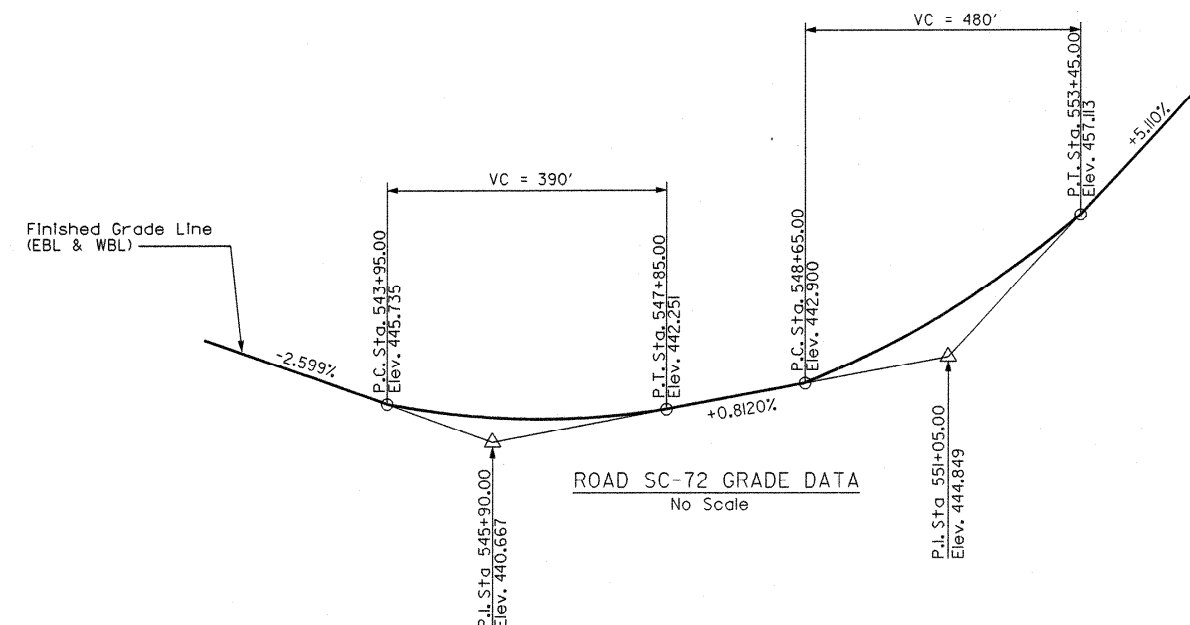
I - Denotes Integral End Bent

F - Denotes Fixed Bearing

Benchmark: CP - 21 #5 rebar with aluminium cap. 98' left of SC-72 Sta. 539+32, Elev. 465.84

Benchmark: CP - 20 #5 rebar with aluminium cap. 78' left of SC-72 Sta. 559+47, Elev. 486.92

For Guardrail details, see Roadway Plans.



## ROAD SC-72 GRADE DATA

No Scale

- (A) Proposed groundline along Road SC-72  
(B) Approximate existing groundline along Road SC-72  
(C) Approximate existing groundline 60' right of Road SC-72  
(D) Approximate existing groundline 60' left of Road SC-72  
(E) 1'-5" Barrier Parapet  
(F) Thrle Beam Type Guardrail Attachment.  
(G) W-Beam Type Guardrail Attachment.  
(H) Low bridge beam is 11.1' above this elevation.  
(J) Concrete Transition Curb and paved shoulder, by Others. See Rdwy. Std. Dwg. No. 721-1.



Wilbur Smith Associates Bridge Consultant

SOUTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
BRIDGE DESIGN COLUMBIA, S.C.

### BRIDGE PLAN AND PROFILE REPLACE BRIDGE OVER CALHOUN CREEK



REV.	
REV.	
REV.	
QUAN.	
DR.	
DES.	
BY	
CHEK	
DATE	

FILE NO.	ROUTE	COUNTY	DRAWING NO.
1.109b.3	SC-72	ABBEVILLE	