

**NOTES :**

ASSUMED LIVE LOAD = HS20 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO STANDARD SPECIFICATIONS FOR SEISMIC DESIGN OF HIGHWAY BRIDGES FOR SEISMIC PERFORMANCE CATEGORY A.

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

FOR EROSION CONTROL MEASURES SEE EROSION CONTROL PLANS.

THIS BRIDGE HAS BEEN DESIGNED BY THE STRENGTH DESIGN METHOD AS SPECIFIED IN AASHTO STANDARD SPECIFICATIONS.

PRESTRESSED CONCRETE DECK PANELS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

FOR FABRICATED METAL STAY-IN-PLACE FORMS, SEE SPECIAL PROVISIONS.

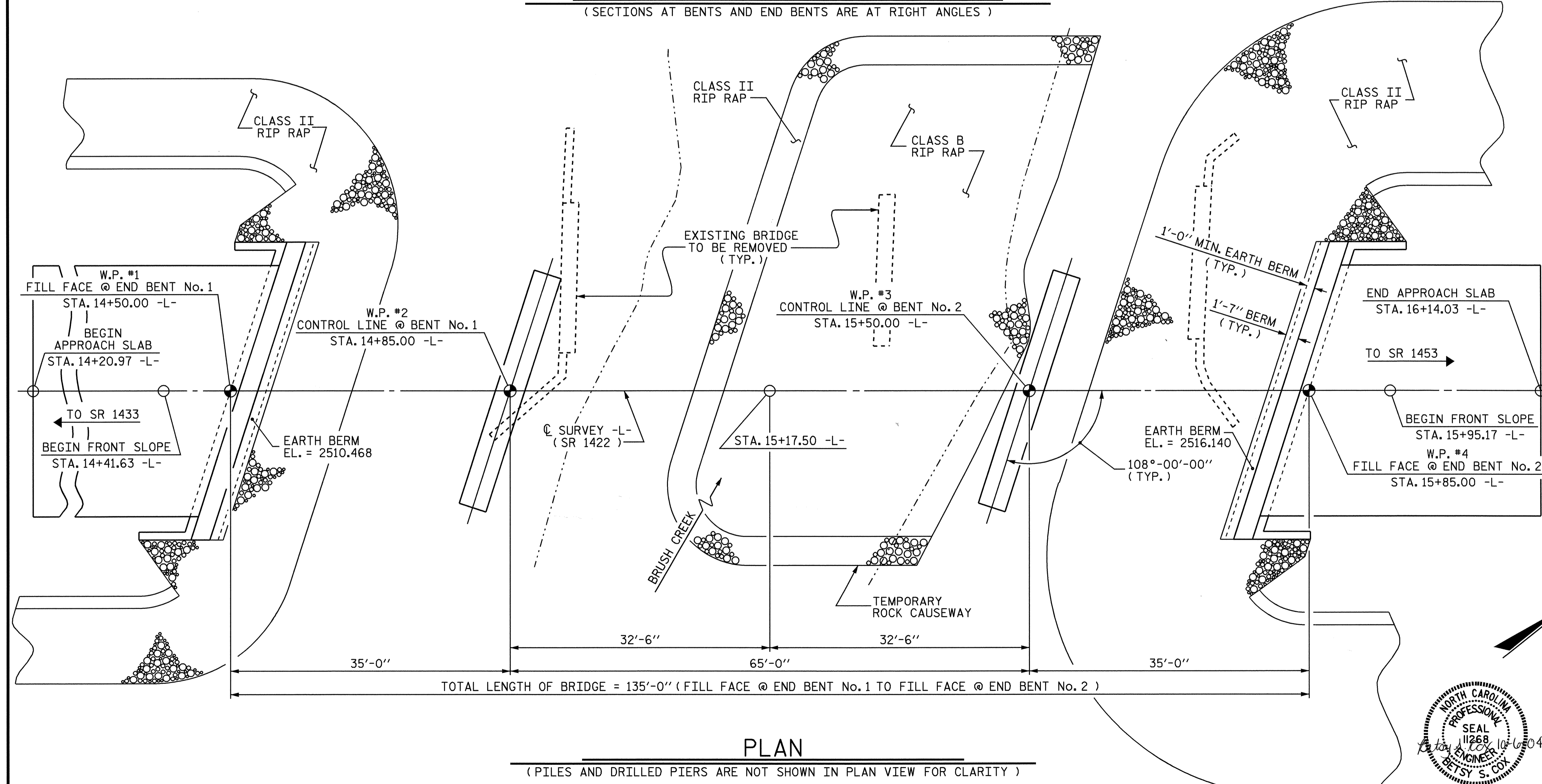
THE LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIERS IS BASED ON AN APPROXIMATE GROUND LINE ELEVATION. IF THE CONSTRUCTION JOINT IS ABOVE THE ACTUAL GROUND ELEVATION, THE CONTRACTOR SHALL PLACE THE CONSTRUCTION JOINT 1 FT. BELOW THE GROUND LINE.

THE EXISTING PAVEMENT WITHIN THE AREA OF THE END BENT PIERS SHALL BE REMOVED AND THE ROADBED SCARIFIED TO A MINIMUM DEPTH OF 2'-0".

THE EXISTING STRUCTURE CONSISTING OF 2 SPANS @ 40'-5" WITH TIMBER DECK AND 4 1/2" AWS; 19'-2" CLEAR ROADWAY WIDTH ON I-BEAMS ON TIMBER CAPS/TIMBER POST & CONCRETE SILLS AND LOCATED AT THE SITE OF THE PROPOSED STRUCTURE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY POSTED BELOW THE LEGAL LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE FURTHER DETERIORATE, THIS LOAD LIMITATION MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT. SEE SPECIAL PROVISIONS.

REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL INTO THE WATER. THE CONTRACTOR SHALL REMOVE THE BRIDGE AND SUBMIT PLANS FOR DEMOLITION IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

FOR ADDITIONAL NOTES, SEE SHEET 2 OF 3.



**HYDROGRAPHIC DATA**

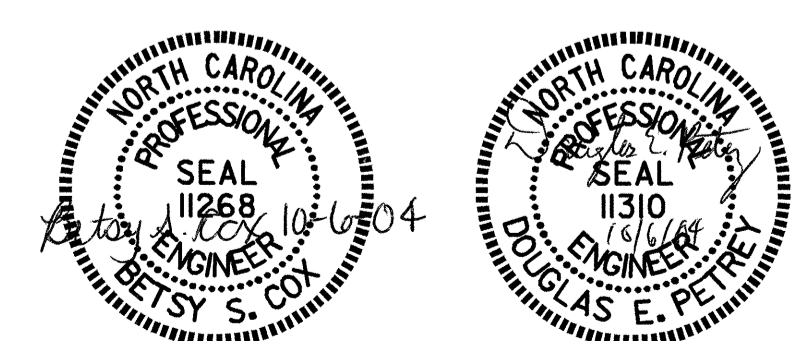
DESIGN DISCHARGE	4428 CFS
FREQUENCY OF DESIGN FLOOD	25 YR.
DESIGN HIGH WATER ELEVATION	2510.89
DRAINAGE AREA	31.2 SQ.MI.
BASIC DISCHARGE (Q100)	6484 CFS
BASIC HIGH WATER ELEVATION	2512.92
OVERTOPPING FLOOD DATA	
OVERTOPPING DISCHARGE	9476 CFS
FREQUENCY OF OVERTOPPING FLOOD	500+YRS
OVERTOPPING FLOOD ELEVATION	2515.50

PROJECT NO. B-3403  
 ALLEGHANY COUNTY  
 STATION: 15+17.50 -L-

SHEET 1 OF 3 REPLACES BRIDGE #53

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**GENERAL DRAWING**  
 BRIDGE ON  
 SR 1422 (FOX RIDGE RD.)  
 OVER BRUSH CREEK  
 BETWEEN SR 1433 AND SR 1453



DRAWN BY: MIKE BRITT DATE: 8-17-04  
 CHECKED BY: B.N. GRADY DATE: 9-04

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-1  
 TOTAL SHEETS 34