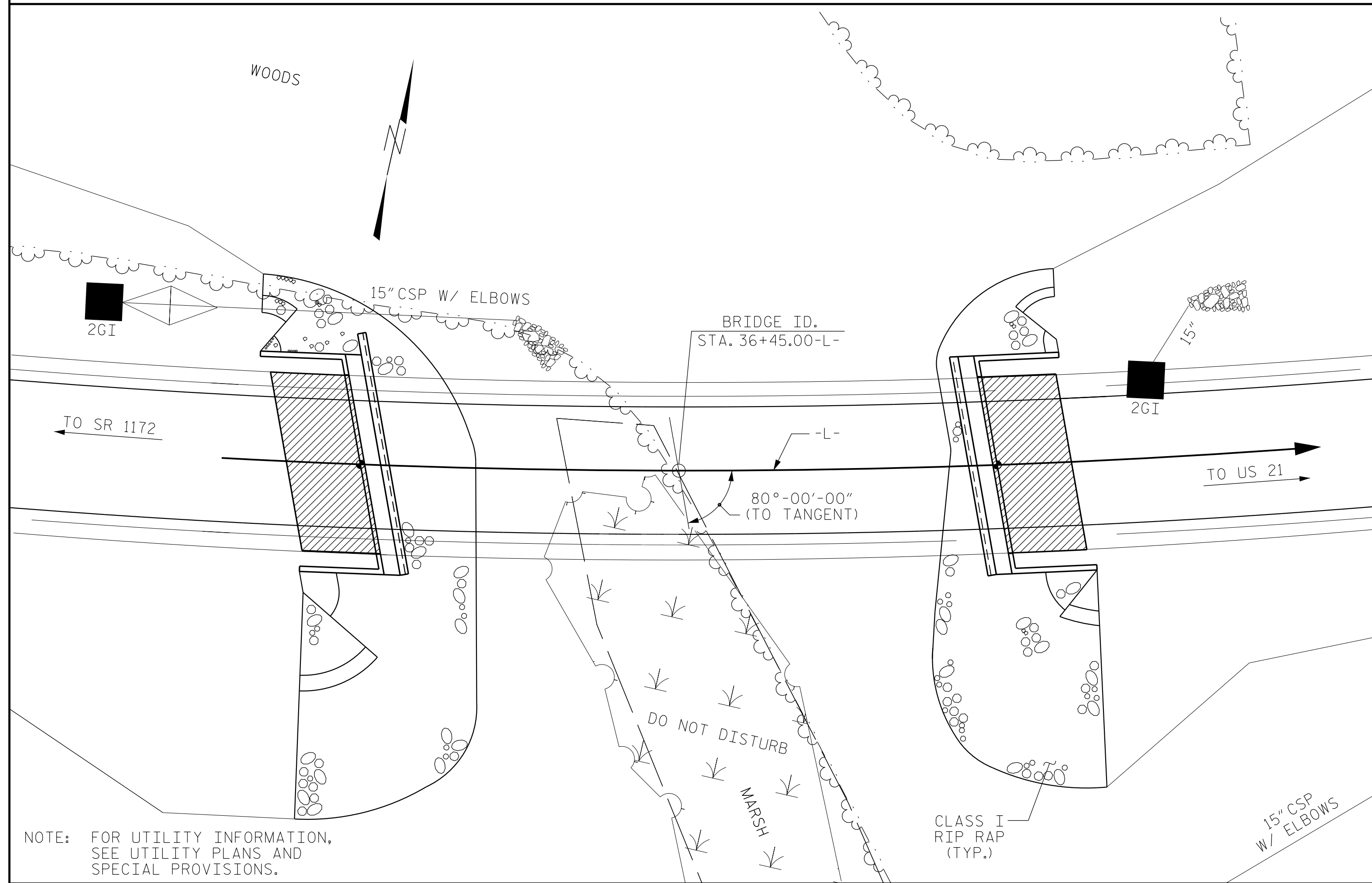


BENCHMARK #2: STA. 36+71.77-L-, 276.5 FT. (RT) EL. 2795.14 NAVD88



LOCATION SKETCH

HYDRAULIC DATA

DESIGN DISCHARGE..... 47 CFS
 FREQUENCY OF DESIGN FLOOD..... 50 YEARS
 DESIGN HIGH WATER ELEVATION... N/A
 DRAINAGE AREA..... 10 AC.
 BASE DISCHARGE(0100)..... 50 CFS
 BASE HIGH WATER ELEVATION..... N/A

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE..... N/A
 FREQUENCY OF OVERTOPPING FLOOD... 500 YR.
 OVERTOPPING FLOOD ELEVATION..... N/A

NOTES

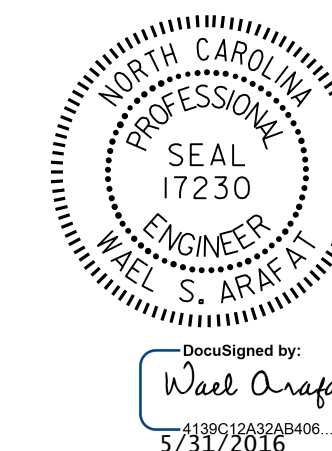
- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
- THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
- THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.
- REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.
- NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER.
- THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.
- FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.
- FOR PLACING LOAD ON STRUCTURE MEMBERS, SEE SPECIAL PROVISIONS.

TOTAL BILL OF MATERIAL

	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	MODIFIED 72" PRESTRESSED CONCRETE GIRDERS		HP 12 X 53 STEEL PILES		CONCRETE BARRIER RAIL	RIP RAP CLASS I 1'-6" THICK	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS
	SO. FT.	SO. FT.	CU. YDS.	LUMP SUM	LBS.	NO.	LIN. FT.	NO.	LIN. FT.	LIN. FT.	TON	SO. YDS.	LUMP SUM
SUPERSTRUCTURE	4229	4242		LUMP SUM		4	469.75			236.62			LUMP SUM
END BENT NO. 1			43.7		7137			9	250		280	310	
END BENT NO. 2			42.5		6950			9	230		200	220	
TOTAL	4229	4242	86.2	LUMP SUM	14087	4	469.75	18	480	236.62	480	530	LUMP SUM

PROJECT NO. R-4060
ALLEGHANY COUNTY
 STATION: 36+45.00 -L-

SHEET 4 OF 4



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 BRIDGE OVER UT TO
 BLEDSOE CREEK ON
 SPARTA BYPASS BETWEEN
 SR 1172 AND US 21

DRAWN BY : H. T. BARBOUR DATE : 11-25-15
 CHECKED BY : V. X. NGUYEN DATE : 3-21-16

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-4
2			4			TOTAL SHEETS 26