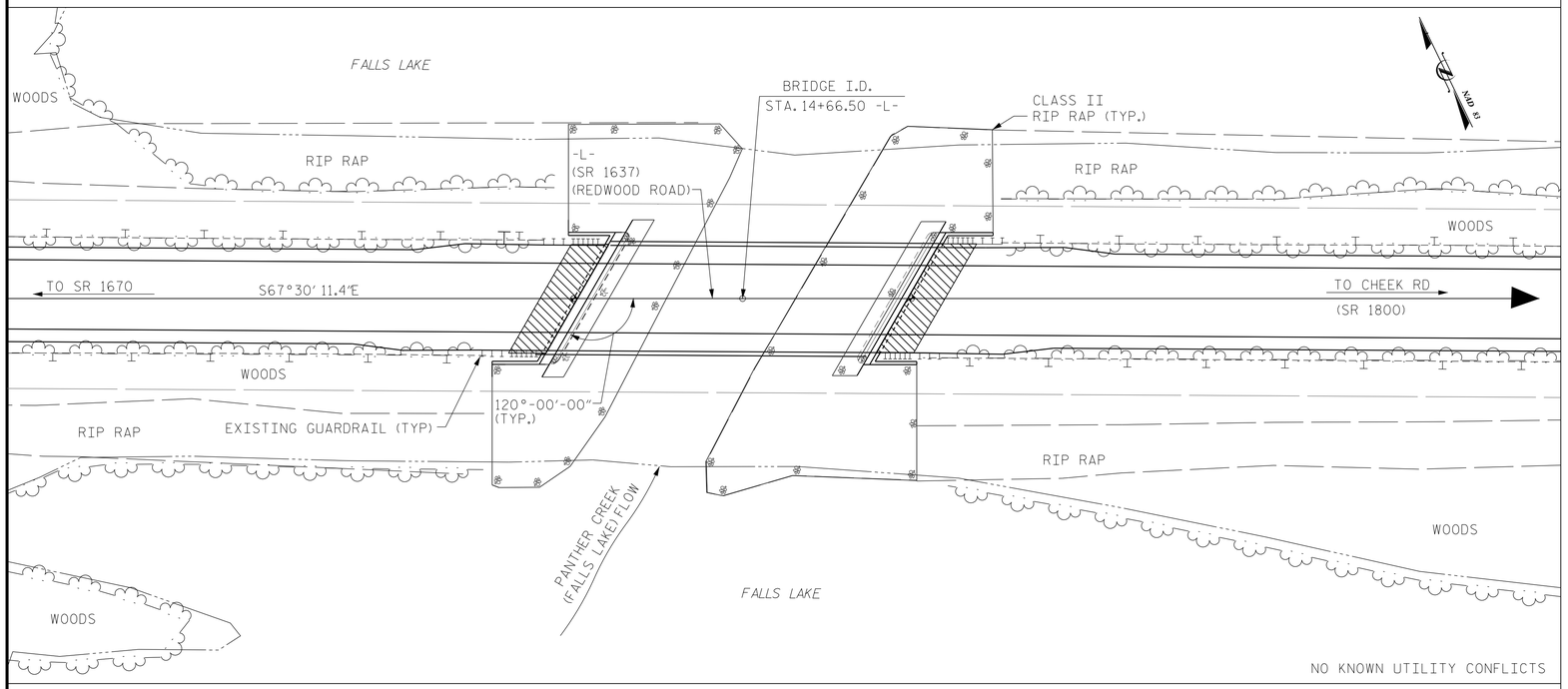
DocuSign Envelope ID: 265CCDF1-B5FF-4EEE-ADEF-CF1A8E2DA2AF

BENCH MARK: BM#1 STA. 9+80.76 -L-, 36.89' RIGHT, BENCH TIE SET IN 17" PINE, ELEV. 271.74, NAVD 88, N 837910.8 E 2066045.9



LOCATION SKETCH

NOTES:

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 25 FT. EACH SIDE OF CENTERLINE ROADWAY AS INDICATED IN THE PLANS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS.

ASPHALT WEARING SURFACE IS INCLUDED IN ROADWAY QUANTITY ON ROADWAY PLANS.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18 - EVALUATING SCOUR AT BRIDGES".

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.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

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

TOTAL BILL OF MATERIAL

	PDA TESTING	UNCLASSIFIED STRUCTURE EXCAVATION AT STA. 14+66.50 -L-	CLASS A CONCRETE	BRIDGE APPROACH SLABS AT STA. 14+66.50 -L-	REINFORCING STEEL	PILE DRIVING EQUIPMENT SET UP FOR HP 12 x 53 STEEL PILES	PILE DRIVING EQUIPMENT SET UP FOR HP 14 x 73 STEEL PILES	HP 12 x 53 STEEL PILES		HP 12 x 53 STEEL BRACE PILES		HP 14 x 73 STEEL PILES		HP 14 x 73 STEEL BRACE PILES		1'-2"x2'-9¾" CONCRETE PARAPET	2-BAR METAL RAIL	RIP RAP CLASS II (2'-0" THICK)	GEOTEXTILE FOR DRAINAGE	ELASTOMERIC BEARINGS	3'-0"x 3'-3" PRESTRESSED CONCRETE BOX BEAMS	
	EACH	LUMP SUM	CU. YDS.	LUMP SUM	LBS.	EACH	EACH	NO.	LIN. FT.	NO.	LIN. FT.	NO.	LIN. FT.	NO.	LIN. FT.	LIN. FT.	LIN. FT.	TONS	SQ. YDS.	LUMP SUM	NO.	LIN. FT.
SUPERSTRUCTURE				LUMP SUM												210	193.66			LUMP SUM	12	1260
END BENT No. 1		LUMP SUM	68.4		7804		9					4	100	5	125			80	50			
END BENT No. 2		LUMP SUM	33.7		5196	7		5	125	2	50							97	59			
TOTAL	1	LUMP SUM	102.1	LUMP SUM	13000	7	9	5	125	2	50	4	100	5	125	210	193.66	177	109	LUMP SUM	12	1260

PROJECT NO. 15005.1032011

DURHAM COUNTY

STATION: 14+66.50 -L-

SHEET 3 OF 3

Dewberry
2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9939
NC COA No. F-0929

NORTH CAROLINA PROFESSIONAL SEAL 032906 ENGINEER JENNIFER R. MCRAY

DocuSigned by: Jennifer R. McRay

3/14/2018

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON SR 1637
OVER FALLS LAKE
BETWEEN SR 1670 & SR 1800

REVISIONS						SHEET No.
No.	BY:	DATE:	No.	BY:	DATE:	S03
1			3			TOTAL SHEETS
2			4			21

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY :	JRM	DATE :	02/18
CHECKED BY :	LMP	DATE :	02/18

2/12/2018 4:37:20 PM
S03_REDWOOD RD_LocSketch.dgn
USER: lmcray