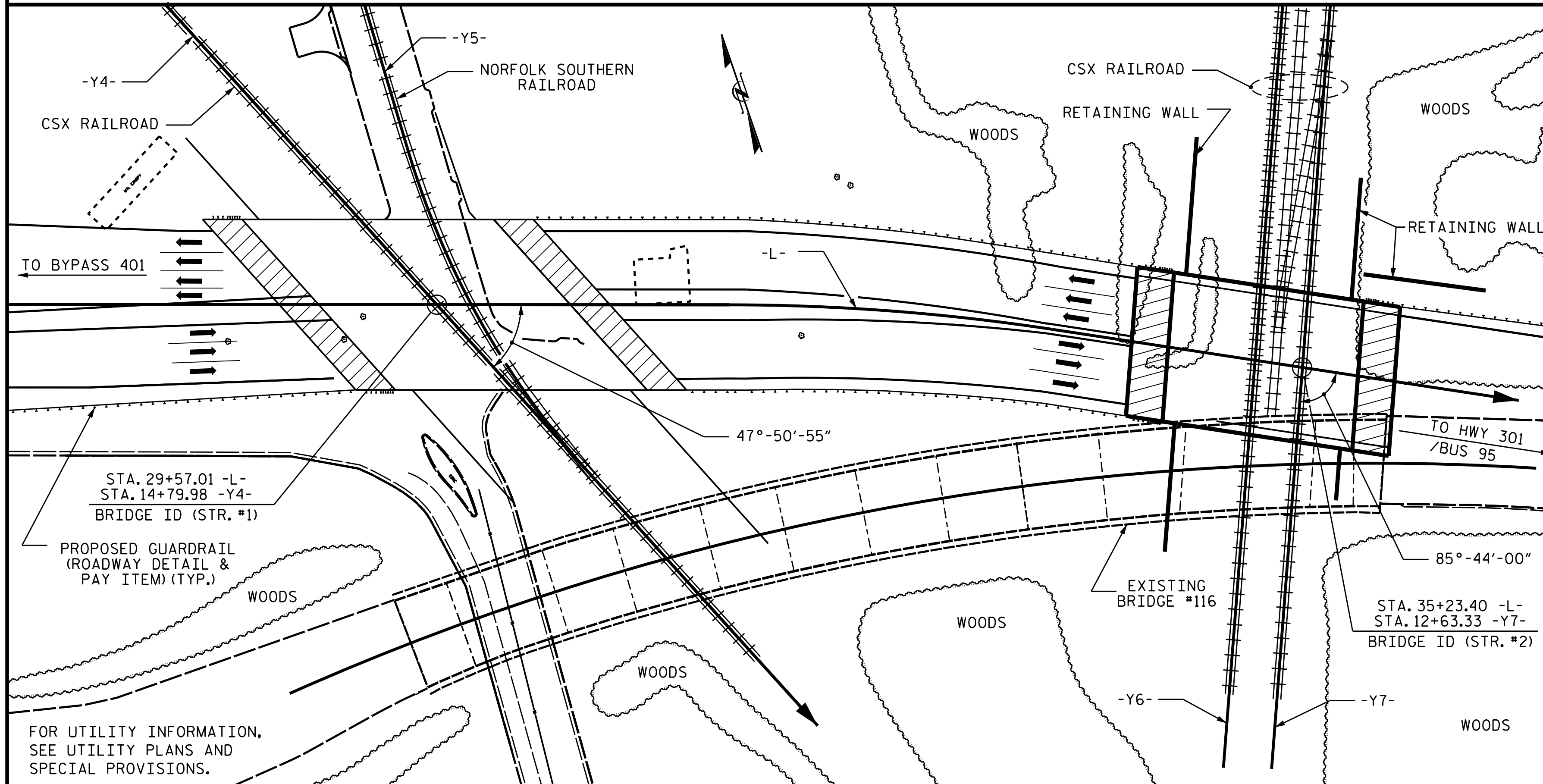
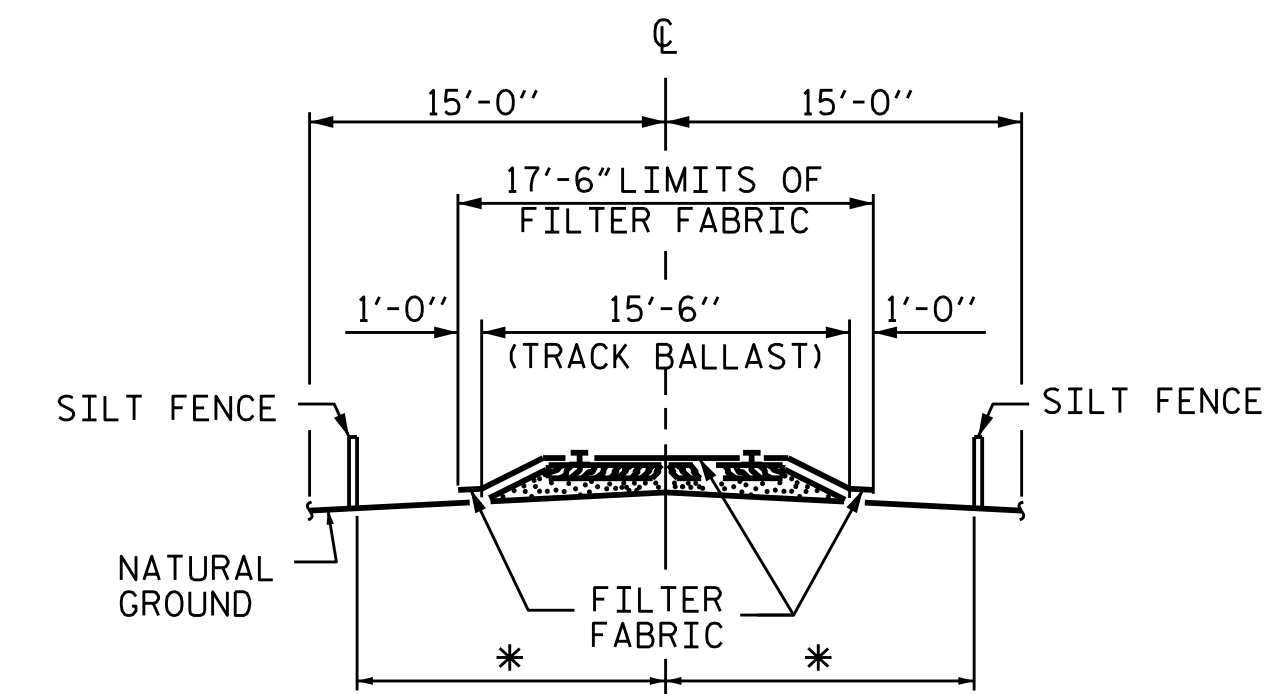


BENCHMARK 81: RAILROAD SPIKE IN BASE OF 18" HARDWOOD, 55.59' LEFT STATION 39+80.50 -L-, EL. 106.57



LOCATION SKETCH



RAILROAD EROSION CONTROL DETAIL

* TO BE DETERMINED BY THE RESIDENT ENGINEER IN CONSULTATION WITH THE RAILROAD ENGINEER.

NOTES:

RAILROAD EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO PERFORMING ANY WORK IN THE RAILROAD RIGHT-OF-WAY.

ADDITIONAL EROSION CONTROL MEASURES FOR PROTECTION OF RAILROAD DITCHES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

NO SEPARATE PAYMENT WILL BE MADE FOR RAILROAD EROSION CONTROL MEASURES.

LIMITS OF SILT FENCE AND FILTER FABRIC PARALLEL TO RAILROAD SHALL EXTEND A MINIMUM OF 25'-0" OUTSIDE EDGE OF SUPERSTRUCTURE OR TOE OF SLOPE ON CONSTRUCTION. A GREATER LENGTH OF SILT FENCE OR FILTER FABRIC MAY BE REQUIRED IF SO DIRECTED BY THE ENGINEER.

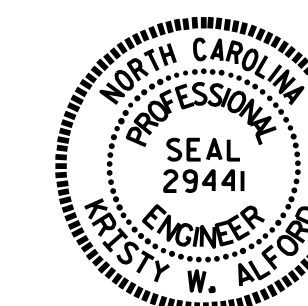
FILTER FABRIC TO BE NAILED TO TIMBER RAIL TIES WITH PRIME SOURCE "GRIP CAP" OR EQUIVALENT. FILTER FABRIC ON SHOULDER TO BE SECURED AS DIRECTED BY THE ENGINEER AND RAILROAD.

TOTAL BILL OF MATERIAL

	PDA TESTING	REINFORCED CONCRETE DECK SLAB	GROOVING BRIDGE FLOORS	CLASS A CONCRETE	BRIDGE APPROACH SLABS	REINFORCING STEEL	STRUCTURAL STEEL APPROX. 427500 LBS.	PAINTING OF STRUCTURAL STEEL	HP 12 X 53 STEEL PILES	PILE REDRIVES	TWO BAR METAL RAIL	1'-4" X 3'-0 1/2" CONCRETE PARAPET	1'-4" X 3'-3" CONCRETE PARAPET	4 INCH SLOPE PROTECTION	ELASTOMERIC BEARINGS	EXPANSION JOINT SEALS	APPLICATION OF BRIDGE COATING	ORNAMENTAL FENCE	ARCHITECTURAL CONCRETE SURFACE TREATMENT
	EACH	SQ. FT.	SQ. FT.	CU. YDS.	LUMP SUM	LBS.	LUMP SUM	LUMP SUM	No.	LIN. FT.	EACH	LIN. FT.	LIN. FT.	SQ. YDS.	LUMP SUM	LUMP SUM	LUMP SUM	LIN. FT.	SQ. FT.
SUPERSTRUCTURE		12701	14435		LUMP SUM		LUMP SUM	LUMP SUM				127.12	127.12		LUMP SUM	LUMP SUM	LUMP SUM	237.2	819.2
END BENT 1				84.0		12512			15	900	7			53					
END BENT 2				82.6		12039			15	900	7			54					
TOTAL	2	12701	14435	166.6	LUMP SUM	24551	LUMP SUM	LUMP SUM	30	1800	14	238.8	127.12	107	LUMP SUM	LUMP SUM	LUMP SUM	237.2	819.2

PROJECT NO. B-4490
CUMBERLAND COUNTY
 STATION: 35+23.40 -L-

SHEET 3 OF 3



DocuSigned by:
 W. Alford
 3/29/2016

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING
 FOR BRIDGE ON NC 24-210
 OVER CSX RAILROAD

DRAWN BY : J.P. ADAMS DATE : 7/2015
 CHECKED BY : I.L. AVERETTE DATE : 8/2015

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-45
1			3			TOTAL SHEETS 84
2			4			