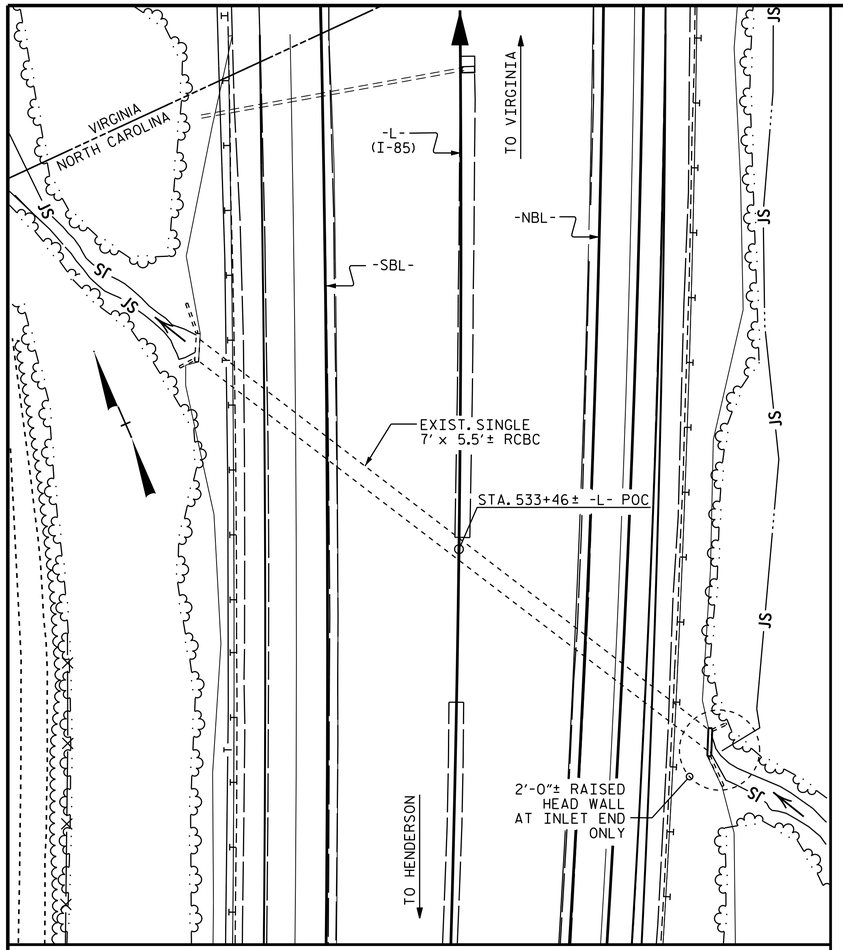


LOCATION SKETCH

NOTES

INSTALL #6 S1 BARS IN THE EXISTING SLAB USING AN ADHESIVE ANCHORING SYSTEM. THE YIELD LOAD OF THE BARS IS 10.0 KIPS. LEVEL ONE FIELD TESTING OF THE ANCHORING SYSTEM IS REQUIRED. FOR ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS, SEE SECTION 420-13 OF THE STANDARD SPECIFICATIONS.

CLASS AA CONCRETE SHALL BE USED FOR THE CAST-IN-PLACE HEADWALL.

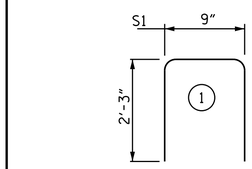
UPON REMOVAL OF EXISTING HEADWALLS, ANY REINFORCING STEEL WHICH IS EMBEDDED IN THE TOP SLAB OF THE CULVERT SHALL BE RETAINED, CLEANED, AND FREE OF RUST TO THE SATISFACTION OF THE ENGINEER.

UPON REMOVAL OF EXISTING HEADWALLS, ANY DAMAGE TO THE EXISTING CULVERT SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REPAIRS.

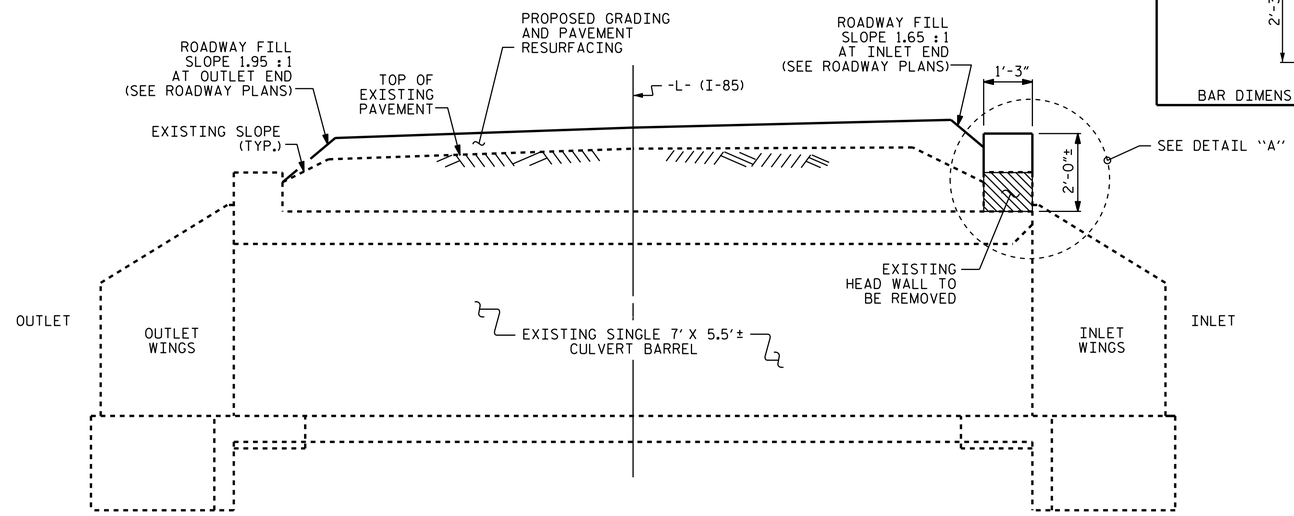
BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	#5	STR	6'-6"	81
S1	10	#6	1	5'-3"	79
REINFORCING STEEL					160 LBS
CLASS AA CONCRETE					1.0 C.Y.

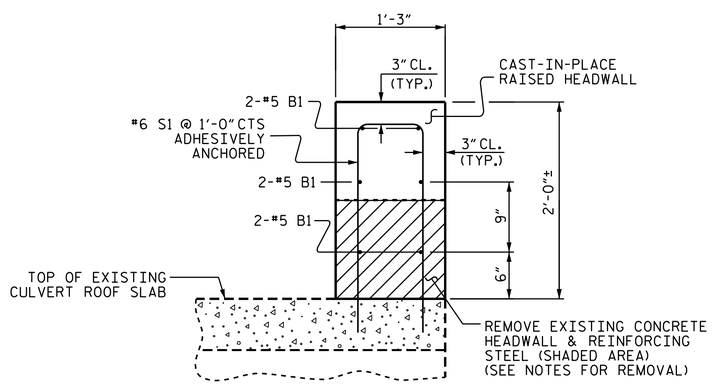
BAR TYPES



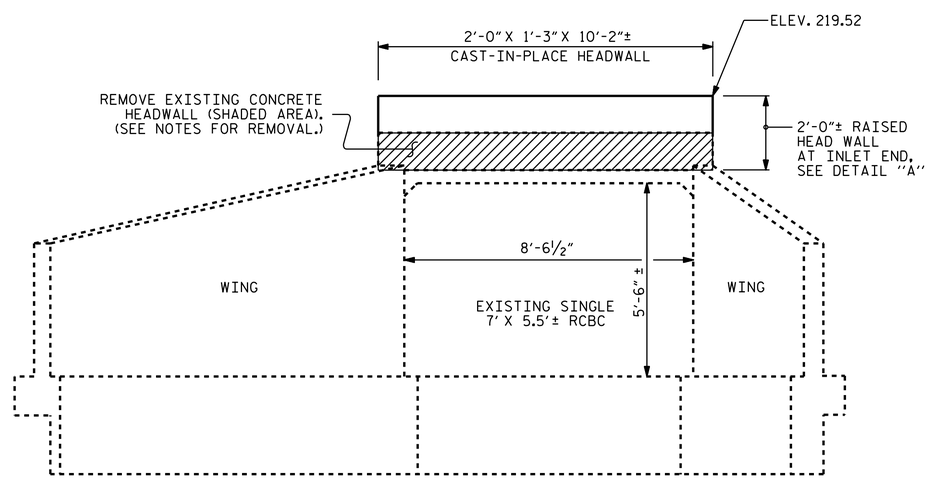
BAR DIMENSIONS ARE OUT TO OUT.



EXISTING CULVERT SECTION NORMAL TO ROADWAY



SECTION THRU HEADWALL
DETAIL "A"



INLET ELEVATION NORMAL TO SKEW

THE EXISTING CULVERT DIMENSIONS ARE BASED ON THE BEST AVAILABLE INFORMATION. FIELD ADJUSTMENT MAY BE REQUIRED AS APPROVED BY THE ENGINEER.

NORTH CAROLINA PROFESSIONAL SEAL 21545 ENGINEER STEVEN L. WANCE

DocuSigned by: Steven L. Wance
986CB74EEDF1402...
12/18/2014

PROJECT NO. I-0914BB
WARREN COUNTY
STATION: 533+46 -L- POC

CULVERT MODIFICATION

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

MODIFICATION OF CULVERT HEADWALL AT INLET END

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

ASSEMBLED BY : S. WANCE		DATE : 10/22/14	
CHECKED BY : T. H. FANG		DATE : 10/27/14	
DRAWN BY : FCJ	6/88	REV. 7/10/01	LES/RDR
CHECKED BY : ARB	6/88	REV. 5/7/03	RWW/JTE
		REV. 5/1/06	TLA/GM

18-DEC-2014 15:03
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