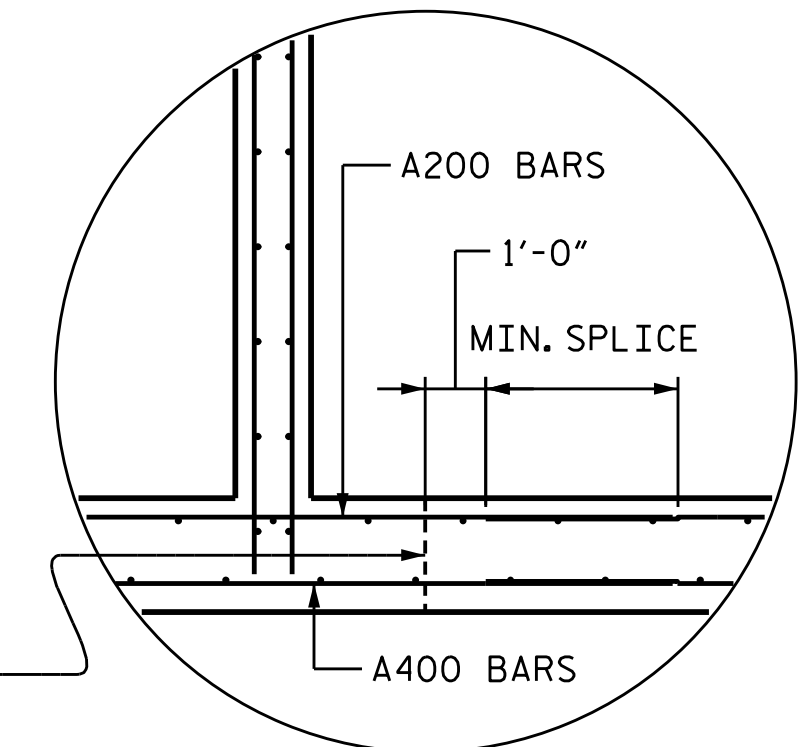


### CONSTRUCTION PHASING

LOOKING DOWNSTREAM

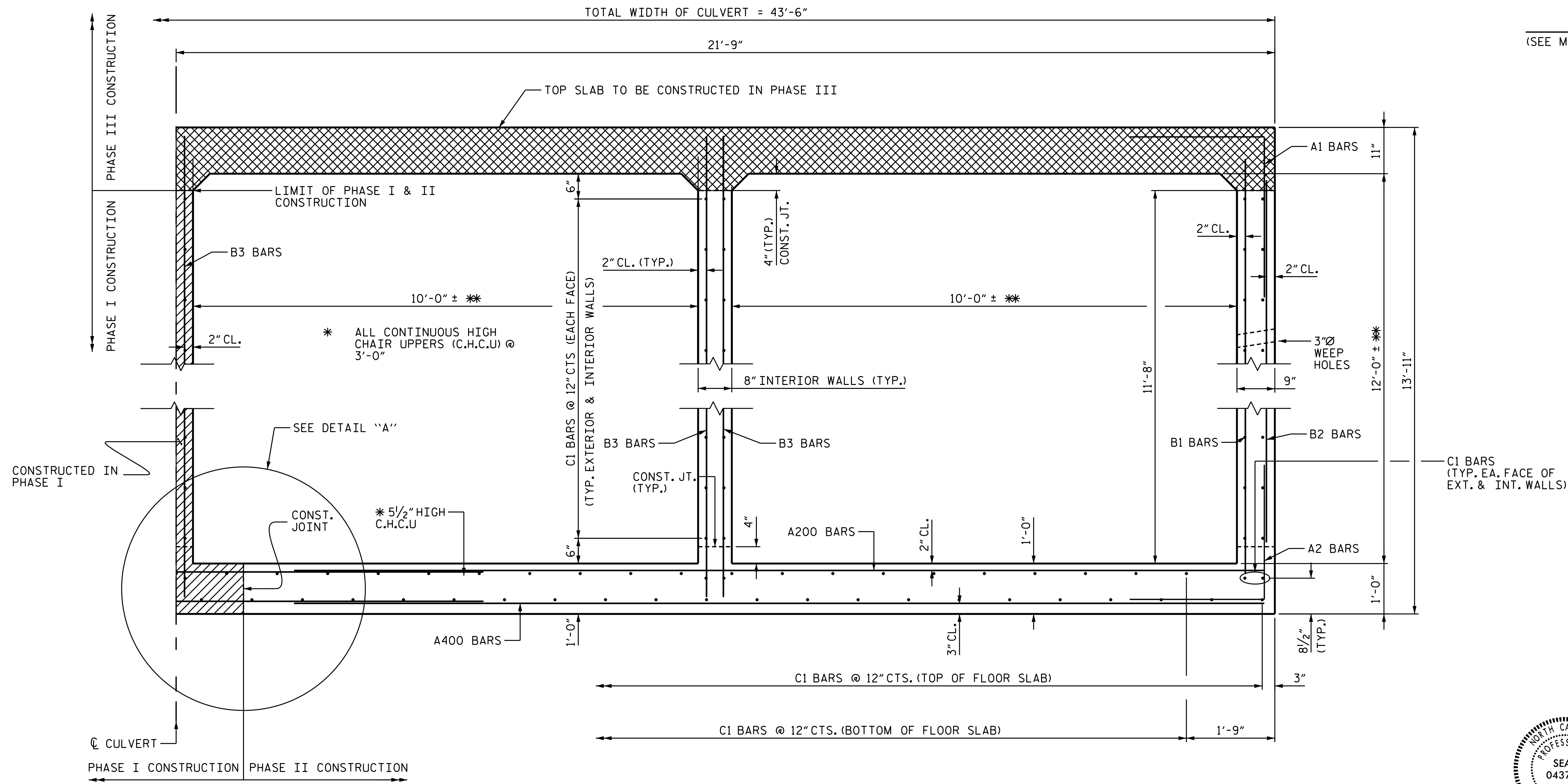
**NOTES:**  
 THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY BRACING INTERIOR AND EXTERIOR WALLS OF THE CULVERT AFTER PHASE II IS COMPLETED. TEMPORARY BRACING MAY BE REMOVED UPON COMPLETION OF PHASE III.  
 \* MATCH EXISTING CULVERT DIMENSIONS



CONST. JOINT

### DETAIL "A"

(SEE MIN. SPLICE LENGTH IN TITLE SHEET)



I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. U-4405  
CUMBERLAND COUNTY  
 STATION: 137+99.59 -L-

SHEET 3 OF 18

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

CULVERT EXTENSION  
 QUADRUPLE 10 FT. X 12 FT.  
 CONCRETE BOX CULVERT  
 PHASE II - SECTION DETAILS

North Carolina Professional Engineer  
 SEAL 043777  
 ENGINEER  
 JACOB H. DUKE

DocuSigned by:  
 Jacob H. Duke  
 6/12/2018 1:26:37 PM PDT

**KCA** 4800 SIX FORKS ROAD SUITE 120  
 KISINGER CAMPO & ASSOCIATES RALEIGH, NC 27609  
 (919) 882-7839

DRAWN BY : DIEGO A. AGUIRRE DATE : 5-18-18  
 CHECKED BY : JACOB H. DUKE DATE : 5-22-18  
 DESIGN ENGINEER OF RECORD : JACOB H. DUKE DATE : 5-25-18

### PHASE II - RIGHT ANGLE SECTION OF BARREL

(ALL DIMENSIONS ARE SYMMETRICAL ABOUT THE C OF THE CULVERT)  
 THERE ARE 310 "C" BARS IN SECTION OF BARREL

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	C1-3	
1			3			TOTAL SHEETS	18
2			4				

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED