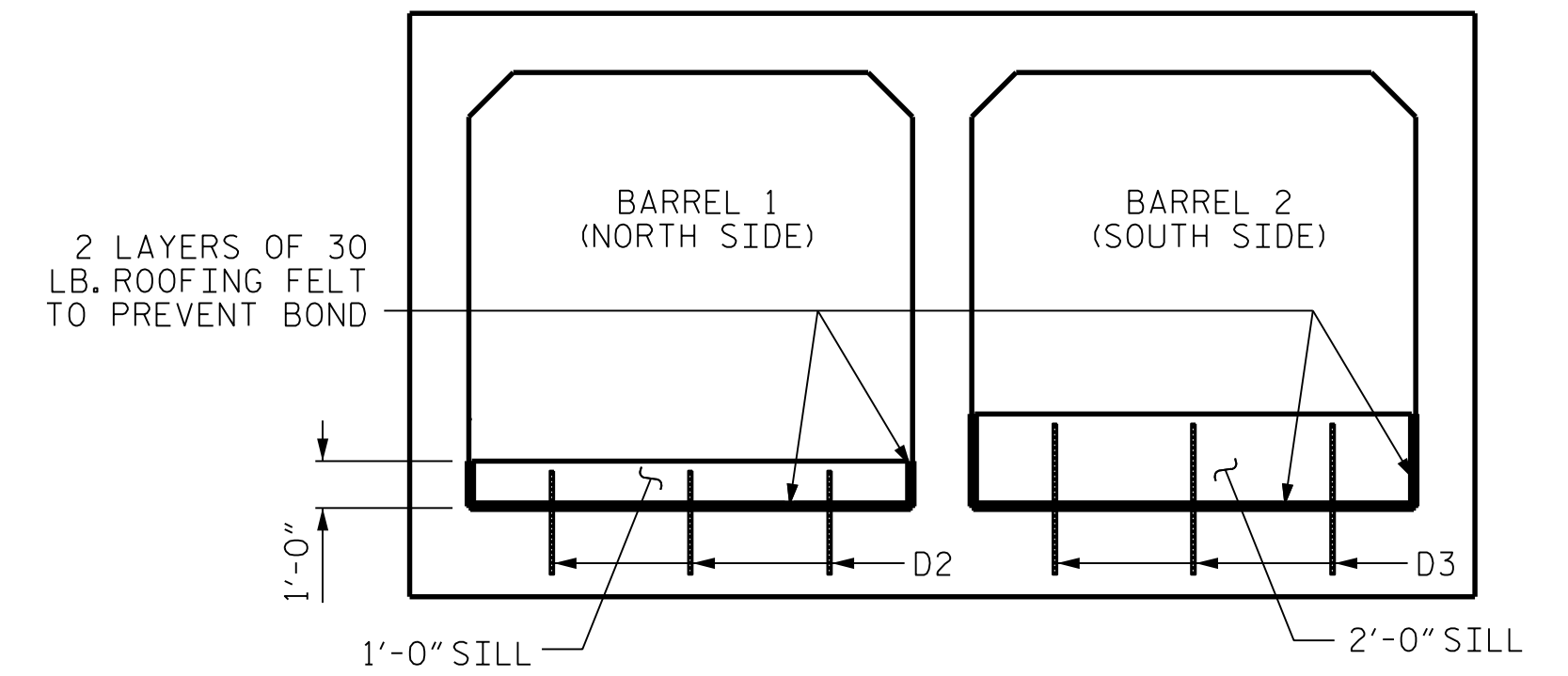


CONCRETE SILL DETAILS

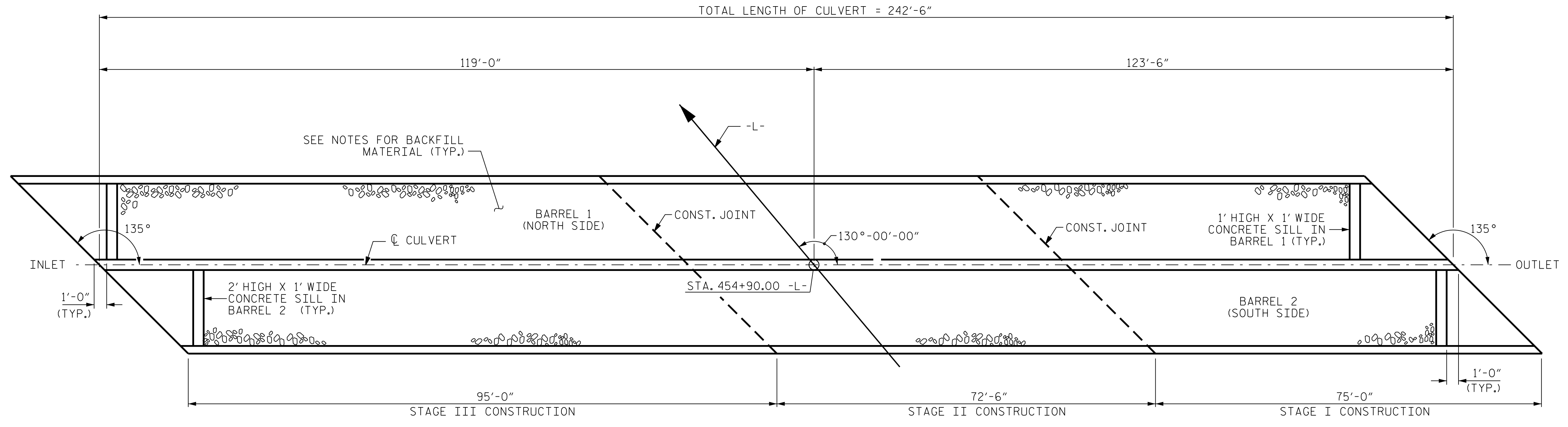
THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE NATIVE MATERIAL BACKFILL SHALL BE PLACED PRIOR TO THE CASTING OF THE ROOF SLAB.

NOTES:

- CULVERT FLOOR SLAB IS BURIED 1.0' BELOW EXISTING STREAM BED. BACKFILL WITH NATIVE MATERIAL TO SILL HEIGHT IN BOTH BARRELS.
- NATIVE MATERIAL BETWEEN SILLS IN THE CULVERT SHALL PROVIDE A CONTINUOUS LOW FLOW CHANNEL.
- NATIVE MATERIAL CONSISTS OF MATERIAL THAT IS EXCAVATED FROM THE STREAM OR FLOODPLAIN AT THE PROJECT SITE DURING CONSTRUCTION. ONLY MATERIAL THAT IS EXCAVATED FROM THE STREAM BED MAY BE USED TO LINE THE CULVERT BARRELS. RIP RAP MAY BE USED TO SUPPLEMENT THE NATIVE MATERIAL IN THE HIGH FLOW CULVERT BARREL 2.
- IF RIP RAP IS USED TO LINE THE HIGH FLOW CULVERT BARREL 2, NATIVE MATERIAL IS TO BE PLACED ON TOP TO FILL VOIDS AND PROVIDE A FLAT SURFACE FOR ANIMAL PASSAGE.
- NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO PERMIT CONDITIONS.
- SILLS ARE TO BE 1 FOOT WIDE, CAST SEPARATELY AND ATTACHED BY DOWELS.
- TOP OF LOW FLOW SILLS SHOULD MATCH STREAM BED ELEVATION IN LOW FLOW CHANNEL OF STREAM. (THALWEG)
- DO NOT SET ELEVATION OF HIGH SILLS ABOVE BANK FILL.
- THE ENTIRE COST OF WORK REQUIRED TO PLACE EXCAVATED OR SUPPLEMENTAL MATERIAL AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR CULVERT EXCAVATION.



INLET ELEVATION
(LOOKING DOWNSTREAM)



PLAN

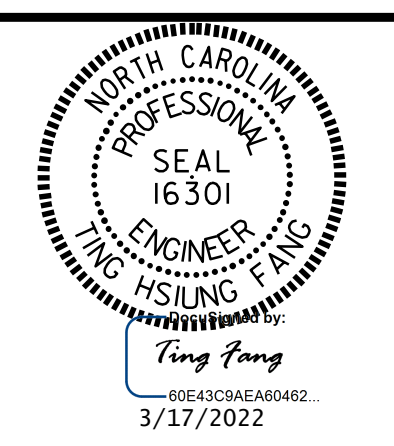
PROJECT NO. I-5987A
ROBESON COUNTY
 STATION: 454+90.00 -L-
 SHEET 6 OF 8

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CDM Smith
 CDM SMITH
 5400 Glenwood Avenue, Suite 400
 Raleigh, NC 27612-3228
 NC COA No. F-1255

DRAWN BY: JJR DATE: 10/21
 CHECKED BY: THF DATE: 11/21
 DESIGN ENGINEER: VDK DATE: 12/21

DWG. No.



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

DETAILS OF SILLS FOR CONCRETE BOX CULVERT

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C13-6
1			3			TOTAL SHEETS
2			4			8