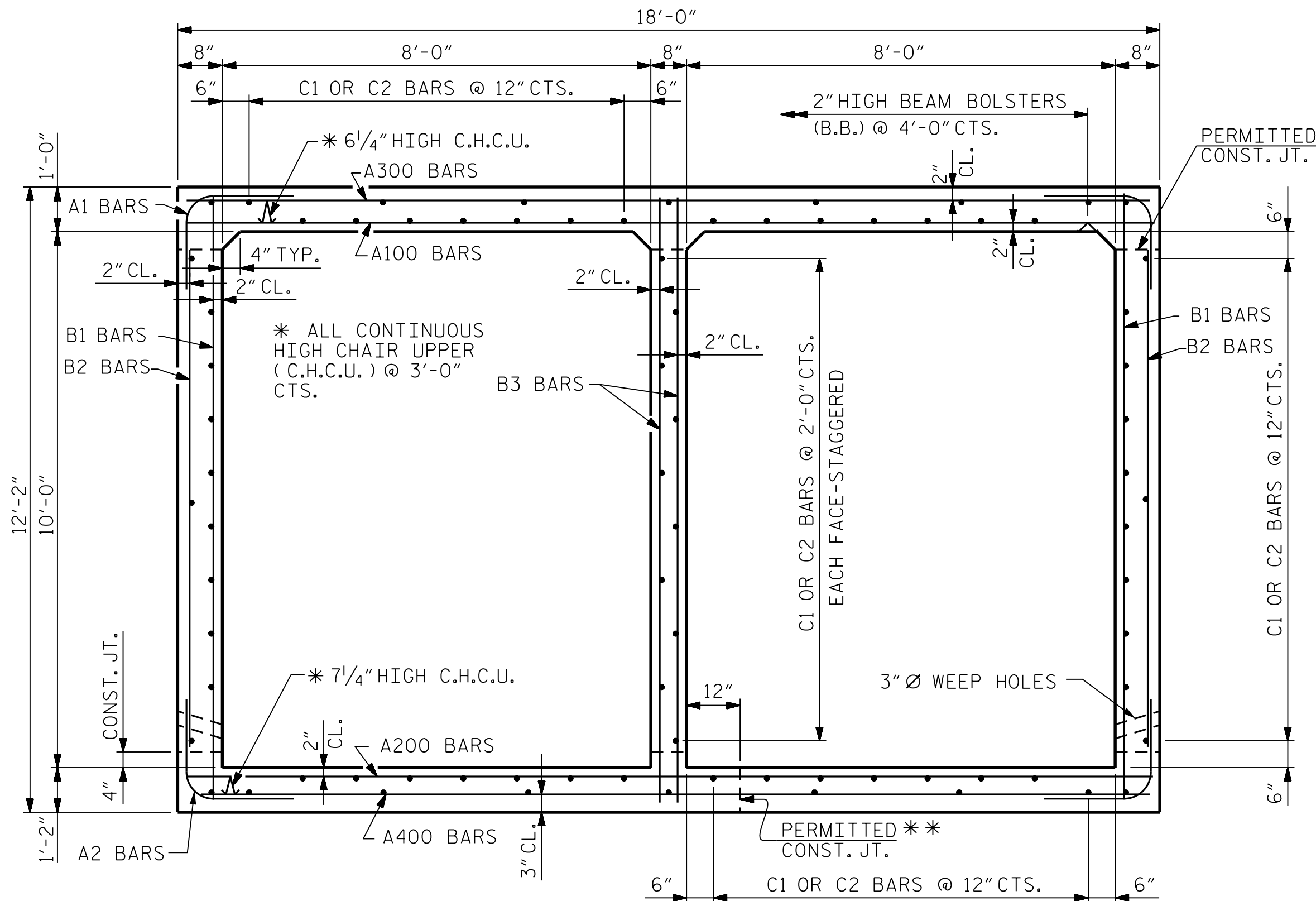




RIGHT ANGLE SECTION OF BARREL

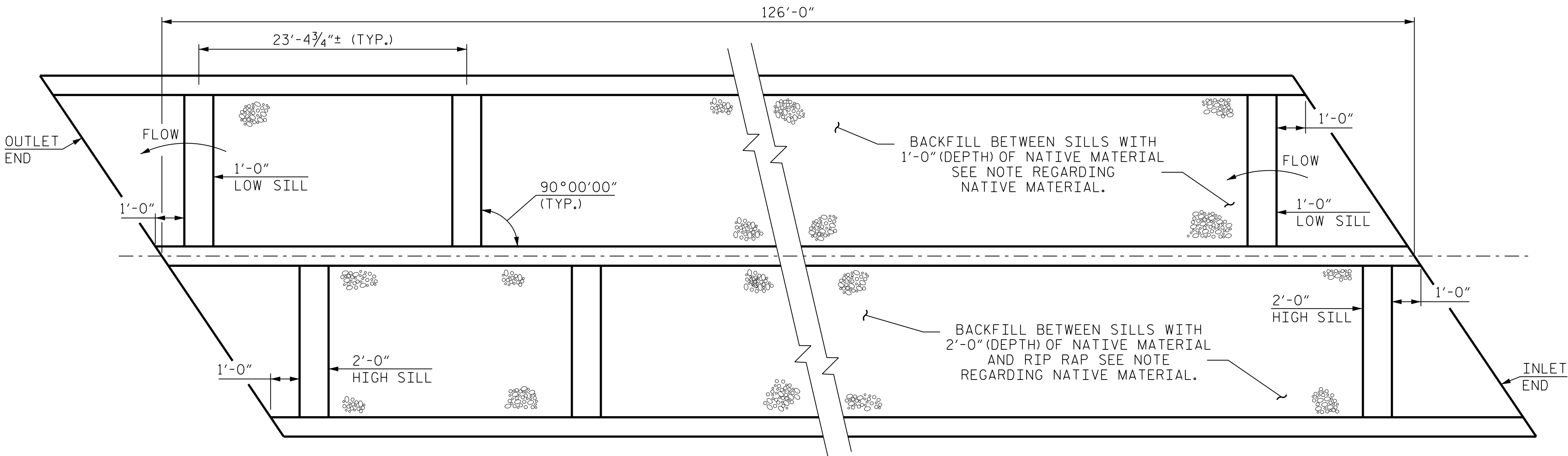
(THERE ARE 78 "C" BARS IN SECTION OF BARREL)

**STEEL IN THE BOTTOM SLAB MAY BE SPliced AT THE PERMITTED CONSTRUCTION JOINT AT THE CONTRACTOR'S OPTION. EXTRA WEIGHT OF STEEL DUE TO SPLICES WILL BE PAID FOR BY THE CONTRACTOR.

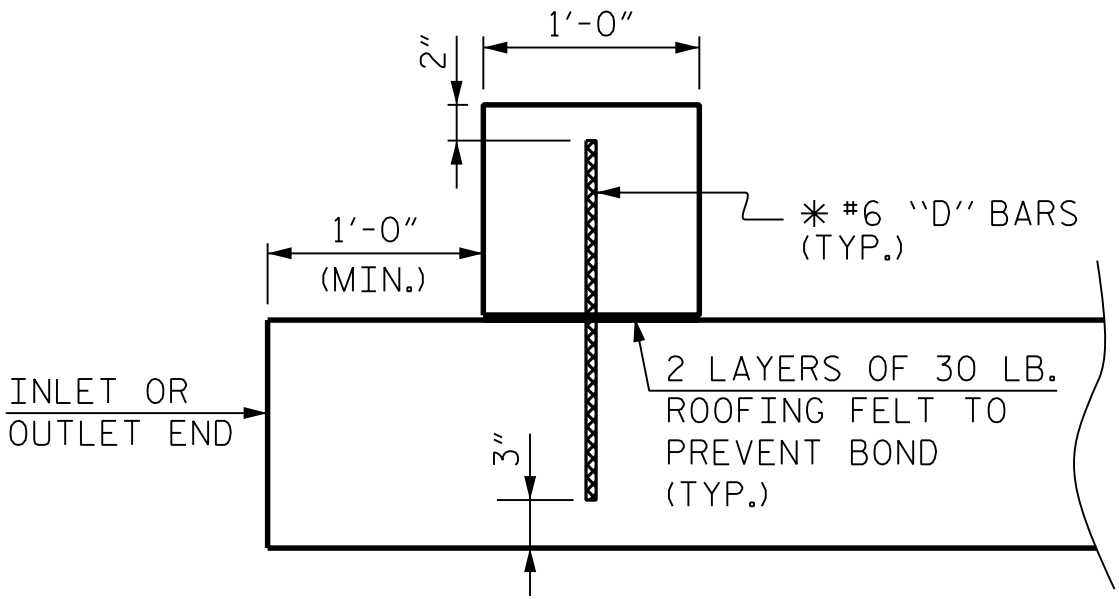
NOTE:
NATIVE MATERIAL CONSISTS OF MATERIAL THAT IS EXCAVATED FROM THE STREAM BED OR FLOODPLAIN AT THE PROJECT SITE DURING CULVERT CONSTRUCTION. ONLY MATERIAL THAT IS EXCAVATED FROM THE STREAMBED MAY BE USED TO LINE THE LOW FLOW BARREL. RIP RAP MAY BE USED TO SUPPLEMENT THE NATIVE MATERIAL IN THE HIGH FLOW CULVERT BARREL.

IF RIP RAP IS USED TO LINE THE HIGH FLOW BARREL, NATIVE MATERIAL SHOULD 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.

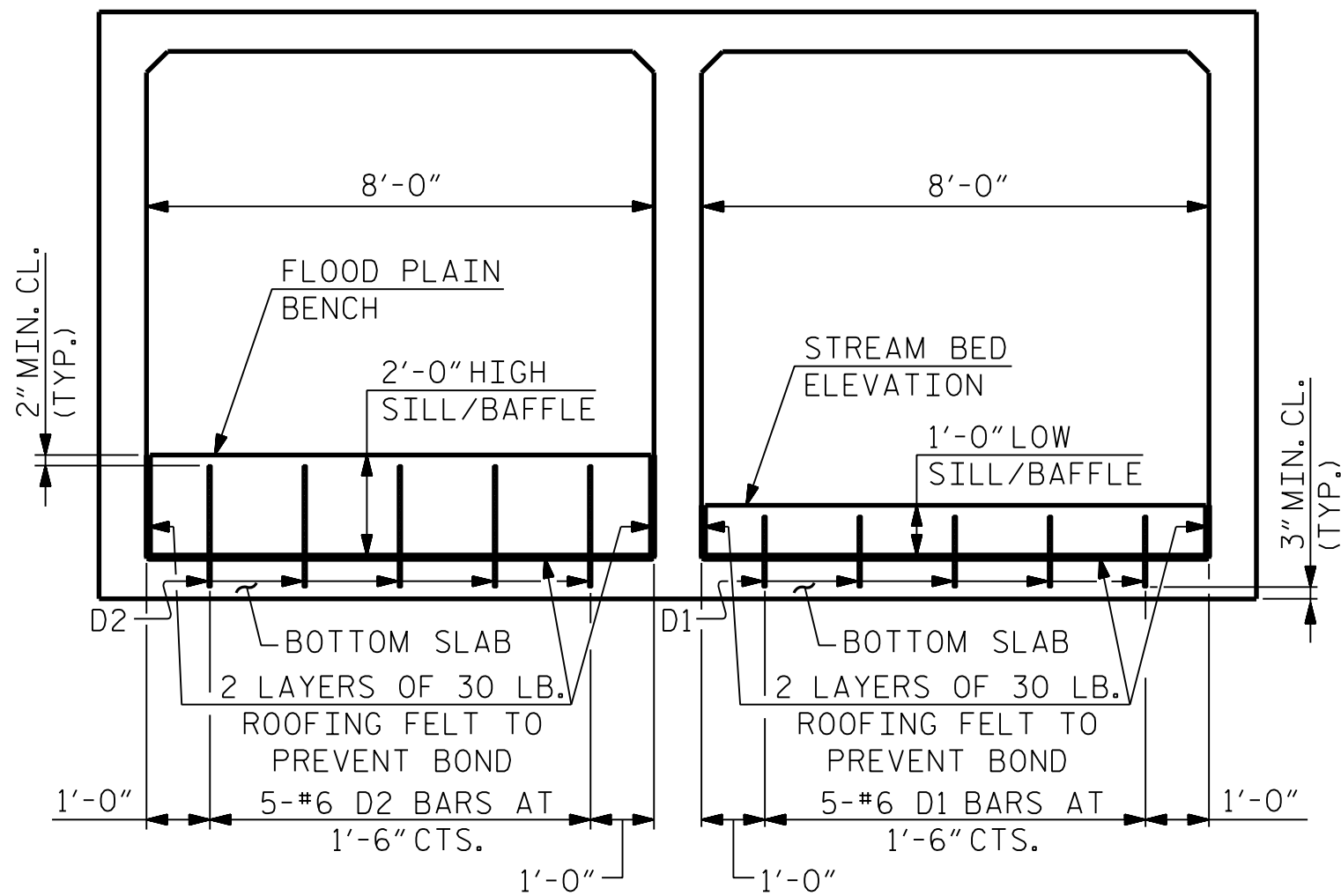


SILL/BAFFLE PLAN



SECTION THROUGH SILL/BAFFLE

* DOWELS MAY BE PUSHED INTO GREEN CONCRETE AFTER SLAB HAS BEEN FLOAT FINISHED.



SILL ELEVATION

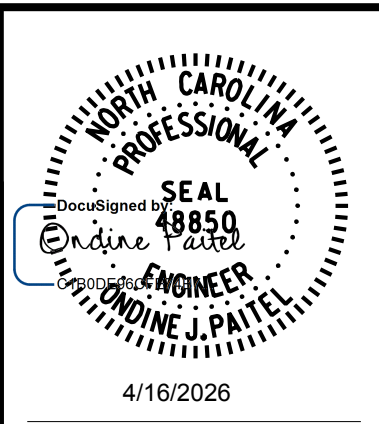
DOWEL SPACING SHOWN PERPENDICULAR TO CULVERT BARREL
LOOKING DOWNSTREAM

SPLICE LENGTHS		
BAR	SIZE	SPLICE LENGTHS
A1	#6	3'-7"
A2	#6	2'-9"
* A200	#6	3'-7"
A300	#6	3'-7"
* A400	#6	2'-9"
* B2	#5	2'-4"
C1	#4	2'-5"

* SEE NOTES ON SHEET C-1

PROJECT NO. U-5810
WATAUGA COUNTY
STATION: 52+14.00 -L-

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
DOUBLE 8 FT. X 10 FT. CONCRETE BOX CULVERT 124° SKEW					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO.					TOTAL SHEETS
C-9					13



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Responsive People | Creative Solutions

DRAWN BY : T. K. BOYD DATE : MAR. 2026
CHECKED BY : R. V. KEITH DATE : MAR. 2026
DESIGN ENGINEER OF RECORD : O. J. PAITEL DATE : MAR. 2026

R:\Structures\Don\Final_Culvert\U-5810_CU.09.dgn
4/14/2026
bgonfa