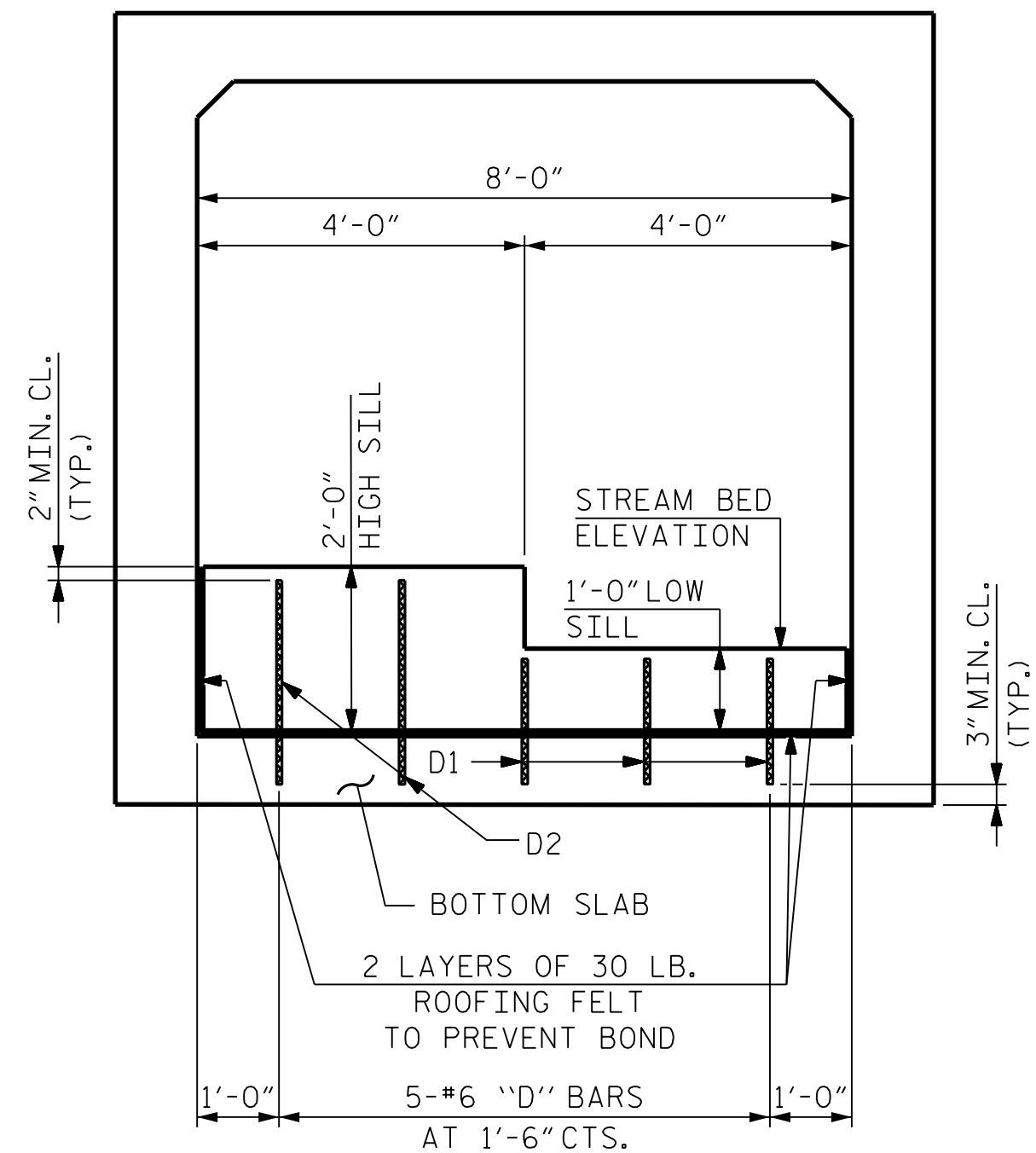


**RIGHT ANGLE SECTION OF BARREL**

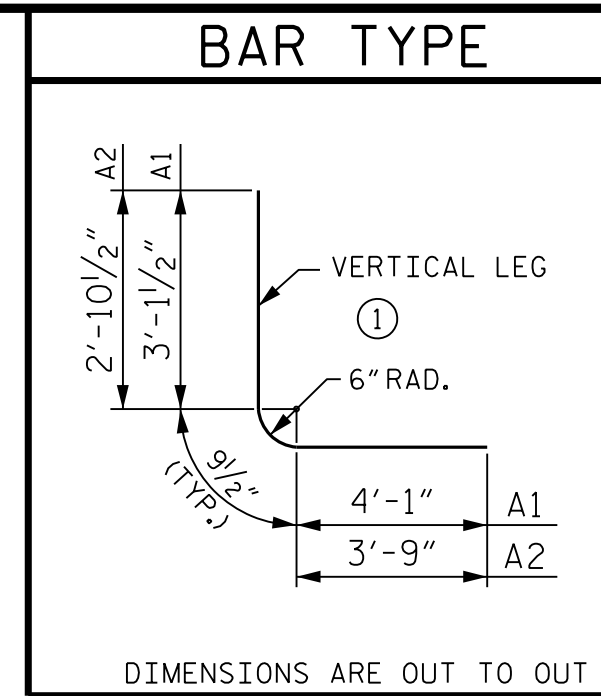
THERE ARE 51 'C' BARS IN SECTION OF BARREL



**SILL ELEVATION**

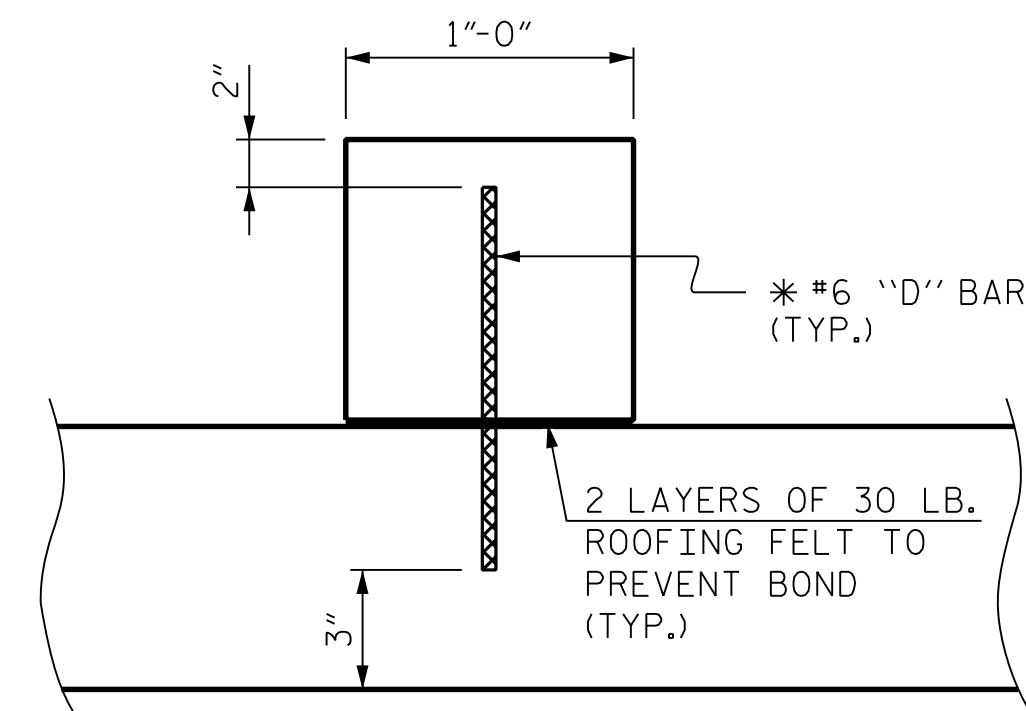
DOWEL SPACING SHOWN PERPENDICULAR TO CULVERT BARREL

SPLICE LENGTHS		
BAR	SIZE	SPLICE LENGTHS
B1	#5	2'-4"
B2	#5	2'-4"
C1	#4	2'-5"
C2	#4	2'-5"



BILL OF MATERIAL (STAGE I)					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	282	#8	1	8'-0"	6,024
A2	282	#8	1	7'-5"	5,584
A100	141	#8	STR.	9'-2"	3,451
A200	141	#8	STR.	9'-2"	3,451
B1	282	#5	STR.	10'-7"	3,113
B2	282	#5	STR.	8'-0"	2,353
C1	153	#4	STR.	33'-10"	3,458
D1	15	#6	STR.	1'-8"	38
D2	10	#6	STR.	2'-8"	40
F1	19	#4	STR.	5'-8"	72
G1	2	#4	STR.	9'-2"	12
S2	12	#8	STR.	9'-2"	294

REINFORCING STEEL 27,890 LBS.

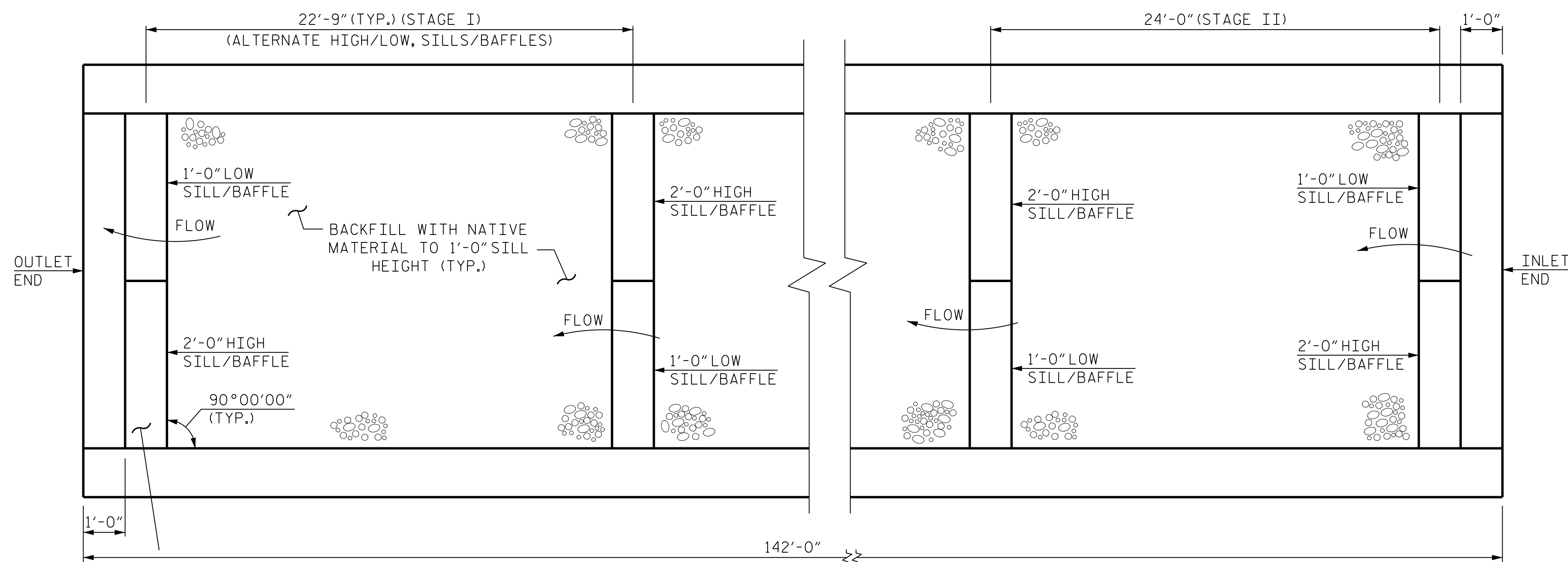


**SECTION THROUGH SILL**

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

BILL OF MATERIAL (STAGE II)					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	144	#8	1	8'-0"	3,076
A2	144	#8	1	7'-5"	2,852
A100	72	#8	STR.	9'-2"	1,762
A200	72	#8	STR.	9'-2"	1,762
B1	144	#5	STR.	10'-7"	1,590
B2	144	#5	STR.	8'-0"	1,202
C1	102	#4	STR.	25'-1"	1,709
D1	6	#6	STR.	1'-8"	15
D2	4	#6	STR.	2'-8"	16
F1	10	#4	STR.	5'-8"	38
G1	2	#4	STR.	9'-2"	12
S2	6	#8	STR.	9'-2"	147

REINFORCING STEEL 14,181 LBS.



**SILL PLAN**

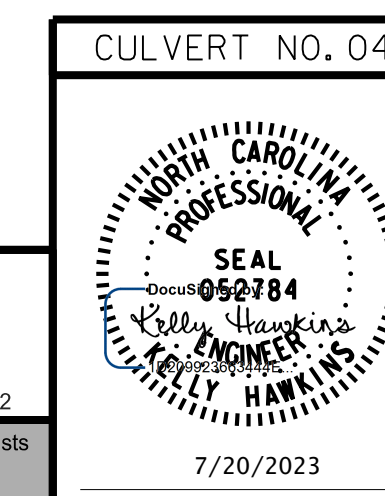
ALTERNATE 2'-0" TALL HIGH SILLS/BAFFLES LEFT AND RIGHT TO FORCE STREAM TO MEANDER ALONG THE LENGTH OF THE CULVERT

**NOTES:**

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 STREAM BED MAY BE USED TO BACKFILL THE CULVERT BARREL. NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO PERMIT CONDITIONS.

PROJECT NO. R-5861  
CHEROKEE COUNTY  
 STATION: 127+65.00 -L-

SHEET 6 OF 8



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SINGLE 8 FT. X 9 FT.  
 CONCRETE BOX CULVERT**



REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

SHEET NO.  
**CU-4-6**  
 TOTAL SHEETS  
**8**

7/20/2023 R:\Structures\Culverts\Culvert 4 - GoldBranch.DGN\FinalR-5861\_SMU\_CU\_4-6\_190000.dgn

DRAWN BY : B. H. GONFA DATE : JUN 2023  
 CHECKED BY : K. HAWKINS DATE : JUN 2023  
 DESIGN ENGINEER OF RECORD : K. HAWKINS DATE : JUN 2023