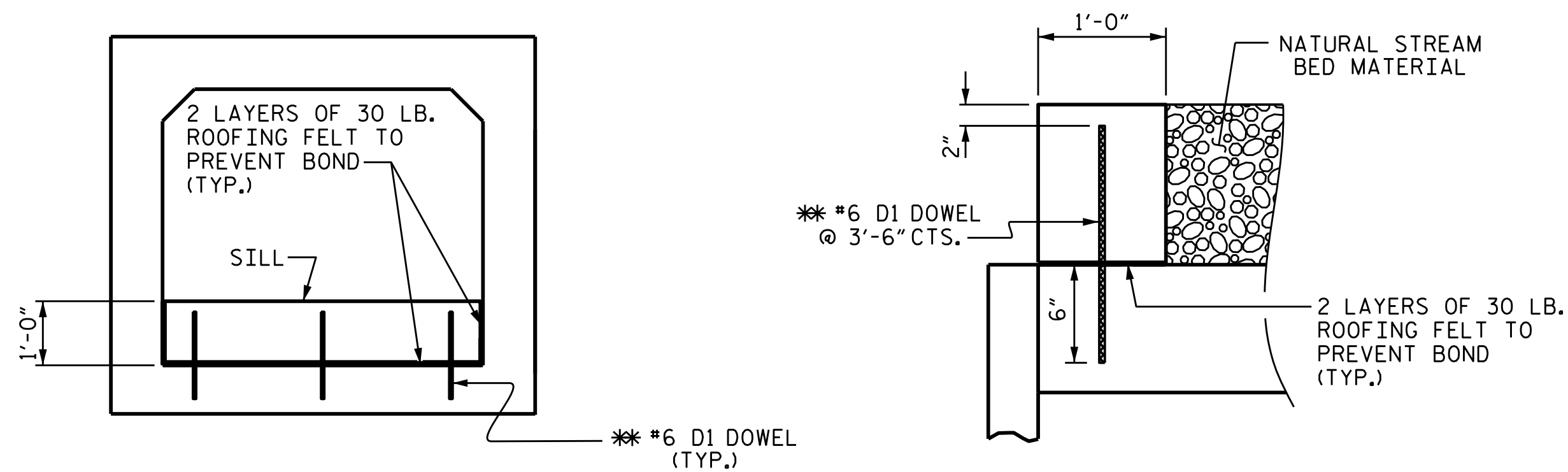


**RIGHT ANGLE SECTION OF BARREL**

THERE ARE 40 C1 BARS IN SECTION OF BARREL



**ELEVATION**

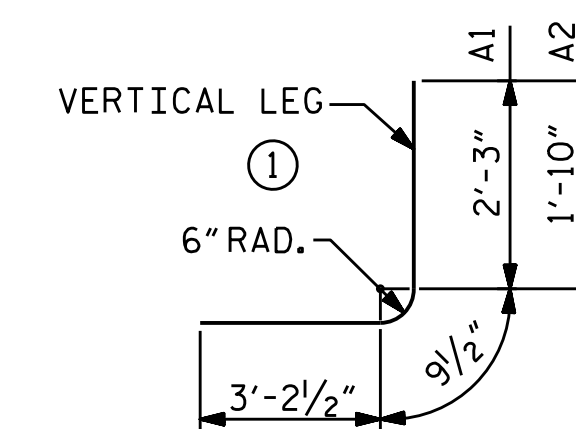
**SECTION THROUGH SILL**

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

**SILL DETAILS**

(SILLS ARE LOCATED AT UPSTREAM AND DOWNSTREAM ENDS ALONG SKEW)

**BAR TYPE**



BAR DIMENSIONS ARE OUT TO OUT.

**BILL OF MATERIAL**

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	298	#4	1	6'-3"	1244
A2	298	#4	1	5'-10"	1161
A100	196	#4	STR	9'-11"	1298
A101	6	#4	STR	5'-9"	23
A102	6	#4	STR	2'-0"	8
A200	174	#5	STR	9'-11"	1800
A201	4	#5	STR	7'-1"	30
A202	4	#5	STR	4'-3"	18
B1	136	#4	STR	8'-10"	802
B2	298	#4	STR	7'-4"	1460
C1	120	#4	STR	24'-0"	1924
D1	6	#6	STR	1'-4"	12
G1	4	#4	STR	10'-4"	28
S2	12	#8	STR	10'-4"	331
REINFORCING STEEL				LBS.	10,139

**SPLICE LENGTH CHART**

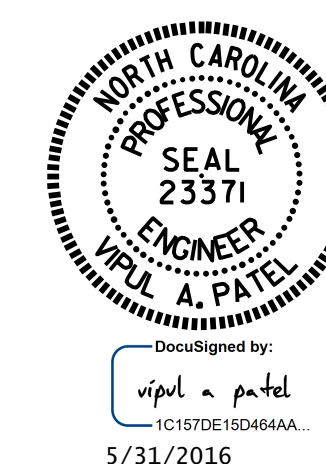
BAR NO.	NO.	SPLICE LENGTH
B1	#4	1'-5"
C1	#4	1'-11"

PROJECT NO. W-5313  
ROWAN COUNTY  
 STATION: 349+71.00 -L-

SHEET 4 OF 5

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**SINGLE 9 FT. X 8 FT.  
 CONCRETE BOX CULVERT**

67° SKEW



DRAWN BY : N.D'AIUTO DATE : 8/15/14  
 CHECKED BY : M.E.GILES DATE : 8/27/14  
 DESIGN ENGINEER OF RECORD: N.D'AIUTO DATE : 8/27/15

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-9
1			3			TOTAL SHEETS
2			4			15

CUL. #2