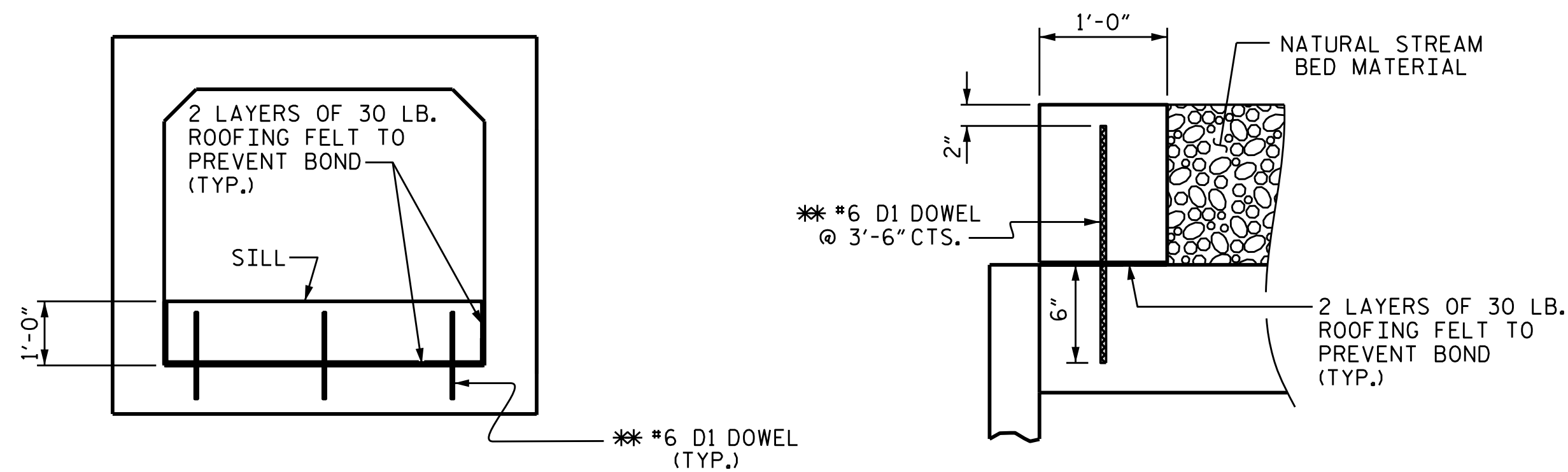


RIGHT ANGLE SECTION OF BARREL

THERE ARE 40 C1 BARS IN SECTION OF BARREL



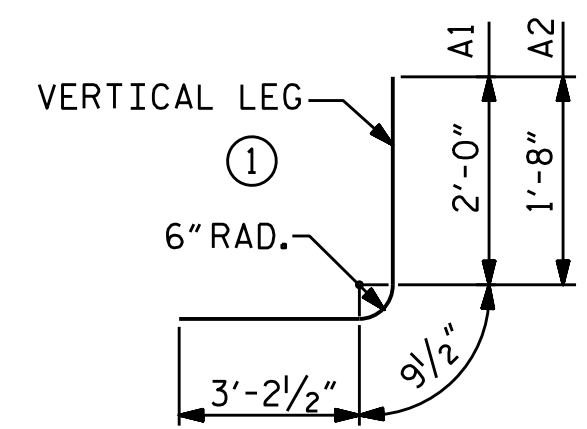
ELEVATION

SECTION THROUGH SILL

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.	SIZE	TYPE	LENGTH	WEIGHT
A1	268	#4	1	6'-0"	1074
A2	268	#4	1	5'-8"	1014
A100	141	#5	STR	9'-11"	1458
A101	4	#5	STR	6'-1"	25
A102	4	#5	STR	2'-8"	11
A200	172	#5	STR	9'-11"	1779
A201	4	#5	STR	7'-1"	30
A202	4	#5	STR	4'-3"	18
B1	134	#4	STR	8'-11"	798
B2	268	#4	STR	7'-4"	1313
C1	120	#4	STR	23'-8"	1897
D1	6	#6	STR	1'-4"	12
G1	4	#4	STR	10'-4"	28
S2	12	#8	STR	10'-4"	331
REINFORCING STEEL				LBS.	9,788

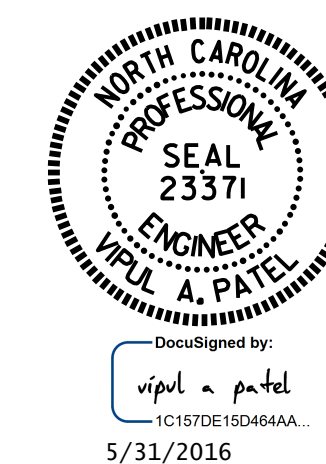
SPLICE LENGTH CHART

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

PROJECT NO. W-5313
ROWAN COUNTY
 STATION: 179+65.00 -L-

SHEET 4 OF 5

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**SINGLE 9 FT. X 8 FT.
 CONCRETE BOX CULVERT**
 79° SKEW



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

DRAWN BY : N.D'AIUTO DATE : 8/8/14
 CHECKED BY : H.A.LOCKLEAR DATE : 8/20/14
 DESIGN ENGINEER OF RECORD: N.D'AIUTO DATE : 8/20/14

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED