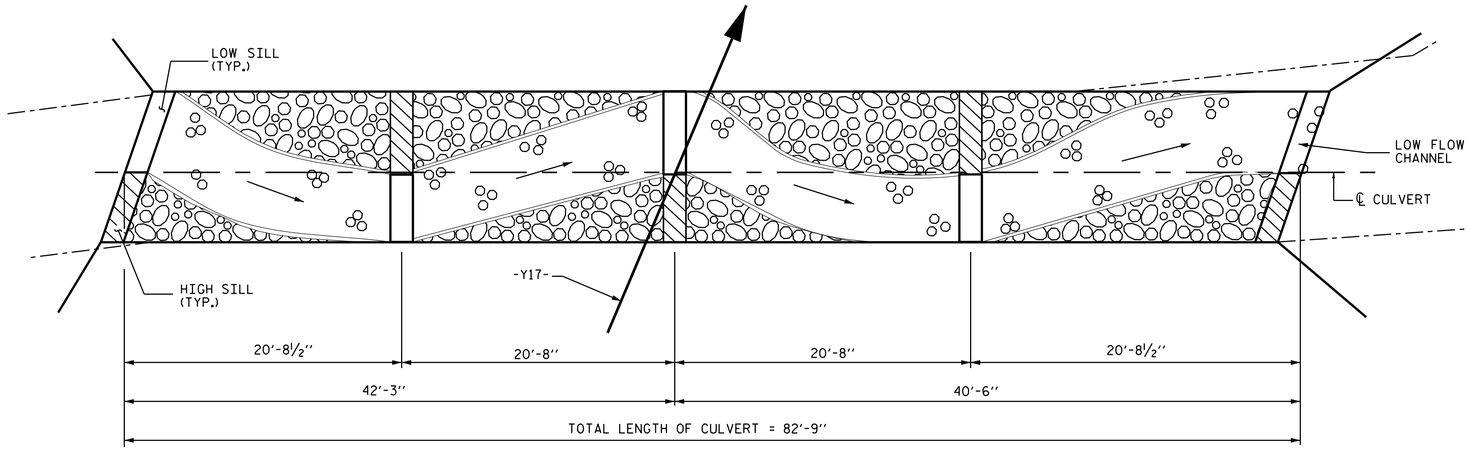
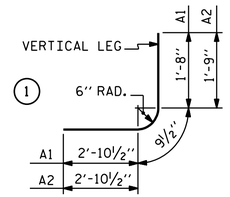


FLOOR SILL LAYOUT

NOTE: HIGH FLOW SILLS ARE DENOTED BY CROSS-HATCHED AREA

BAR TYPE



BAR DIMENSIONS ARE OUT TO OUT

SPLICE LENGTH CHART

BAR	SIZE	SPLICE LENGTH
B1	4	1'-9"
C1	4	1'-11"

BAR SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	284	4	1	5'-4"	1012
A2	284	5	1	5'-5"	1604
A100	128	5	STR	8'-11"	1190
A101	4	5	STR	5'-0"	21
A200	137	6	STR	8'-11"	1835
A201	4	6	STR	5'-3"	32
B1	166	4	STR	6'-10"	758
B2	284	4	STR	5'-4"	1012
C1	102	4	STR	28'-10"	1965
D1	10	6	STR	1'-3"	19
D2	10	6	STR	0'-9"	11
G1	4	4	STR	9'-6"	25
S2	12	8	STR	9'-6"	304
REINFORCING STEEL					9788 LBS.

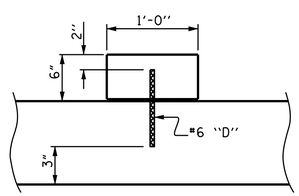
NOTES

MATERIAL EXCAVATED FROM THE EXISTING BED SHALL BE STOCKPILED FOR USE IN THE PROPOSED CULVERT AS SHOWN IN THE "FLOOR SILL LAYOUT". BED MATERIAL SHALL BE SUPPLEMENTED WITH CLASS "B" RIP RAP AS NECESSARY. STONE LARGER THAN 6" SHALL NOT BE PLACED WITHIN THE LOW FLOW CHANNEL. BED MATERIAL SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.

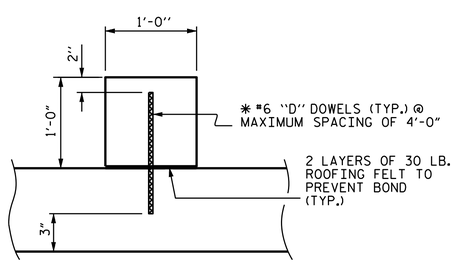
THE ENTIRE COST OF WORK REQUIRED TO PLACE THE EXCAVATED MATERIAL OR SUPPLEMENTAL MATERIAL AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE BID FOR CULVERT EXCAVATION.

THE ENTIRE COST OF WORK REQUIRED TO CONSTRUCT THE SILLS SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS.

THE STOCKPILED MATERIAL SHALL BE PLACED AS SHOWN IN THE "FLOOR SILL LAYOUT" SKETCH TO PROVIDE A 6" DEPTH LOW FLOW CHANNEL BETWEEN THE LOW FLOW SILLS, AND SHALL BE PLACED TO THE LEVEL OF 1'-0" BETWEEN THE HIGH FLOW SILLS.

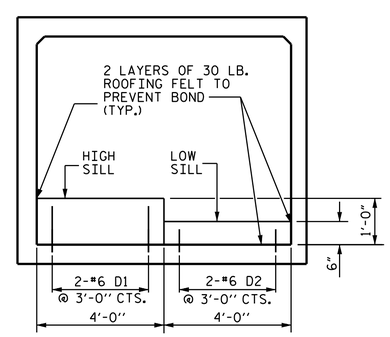


SECTION THRU LOW SILL



SECTION THRU HIGH SILL

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



ELEVATION

CULVERT SILL DETAILS

PROJECT NO. R-2519B

YANCEY COUNTY

STATION: 14+90.30 -Y17-

SHEET 3 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SINGLE 8 FT. X 6 FT. CONCRETE BOX CULVERT

NORTH CAROLINA PROFESSIONAL SEAL 20125 ENGINEER MARSHALL G. CHEEK, JR.

8/27/2014 Marshall G. Cheek, Jr.

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-80
1			3			TOTAL SHEETS
2			4			87

DRAWN BY : M.E. POOLE DATE : 08/2011
CHECKED BY : S.W. PEARCE DATE : 04/2012
DESIGN ENGINEER OF RECORD: M. A. LEBLANC DATE : 10/2013

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

STR. #14