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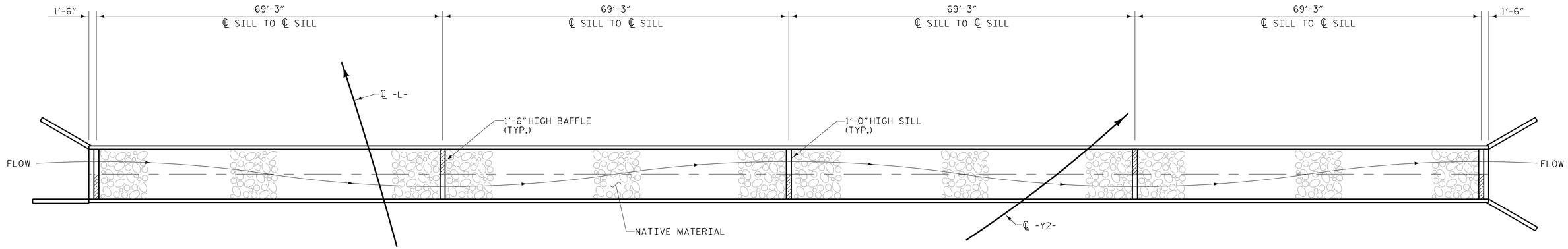


PLAN

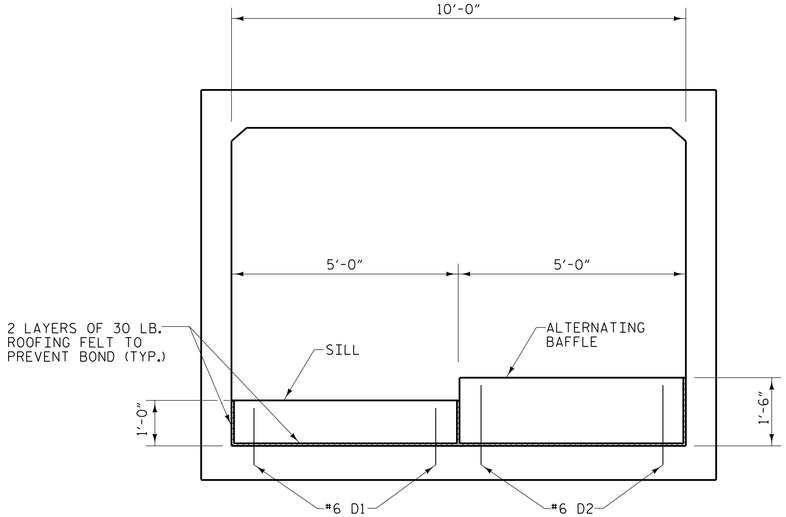
NOTES:

BED MATERIAL PLACED BETWEEN SILLS IN THE CULVERT SHALL PROVIDE A CONTINUOUS LOW FLOW CHANNEL BETWEEN THE LOWER SILLS. THE MATERIAL SHALL BE NATIVE MATERIAL THAT IS EXCAVATED FROM THE STREAM BED AT THE PROJECT SITE DURING CULVERT CONSTRUCTION. STONES LARGER THAN 12 INCHES SHALL NOT BE PLACED WITHIN THE LOW FLOW CHANNEL. NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO PERMIT CONDITIONS.

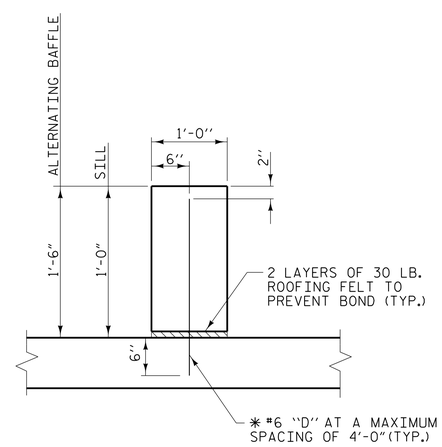
SILLS AND ALTERNATING BAFFLES ARE TO BE 1' WIDE AND CAST SEPERATELY AND ATTACHED BY DOWELS.

#6 'D' BARS ARE INCLUDED IN "REINFORCING STEEL" QUANTITY ON SHEET C-6.

SILL & BAFFLE CONCRETE QUANTITY IS INCLUDED IN CLASS 'A' CONCRETE ON SHEET C-6.



BARREL SECTION
(LOOKING DOWNSTREAM)



SECTION THROUGH SILL & ALTERNATING BAFFLE

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

SILL & BAFFLE DETAILS

PROJECT NO. U-5105
HENDERSON COUNTY
STATION: 21+17.00 -L-

SHEET 4 OF 7

NORTH CAROLINA ENGINEER L. KEVIN AUSTIN 2/27/2018
DocuSigned by: L. Kevin Austin
2/27/2018 | 3:30:57 PM PST

PLANS PREPARED BY:
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6750 TRYON ROAD
CARY, NC 27518
phone: 919.851.1912
CALYXengineers.com
NC License # F-1333

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SINGLE 10 FT. X 7 FT.
CONCRETE BOX CULVERT
106° SKEW
SILL DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-4
1			3			TOTAL SHEETS
2			4			7

DRAWN BY : W. B. ALLEN DATE : 2/17
CHECKED BY : Z. H. BROWN DATE : 2/17
DESIGN ENGINEER OF RECORD: L. K. AUSTIN DATE : 2/17

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

2/5/2018 11:33:30 AM R:\Structures\U-5105_SMU_CU_04.dgn