NOTES

NATIVE MATERIAL BETWEEN BAFFLE/SILLS IN THE CULVERT SHALL PROVIDE A CONTINUOUS LOW FLOW CHANNEL. NATIVE MATERIAL CONSISTS OF MATERIAL THAT IS EXCAVATED FROM THE STREAM BED AT THE PROJECT SITE DURING CONSTRUCTION. NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO PERMIT CONDITIONS.

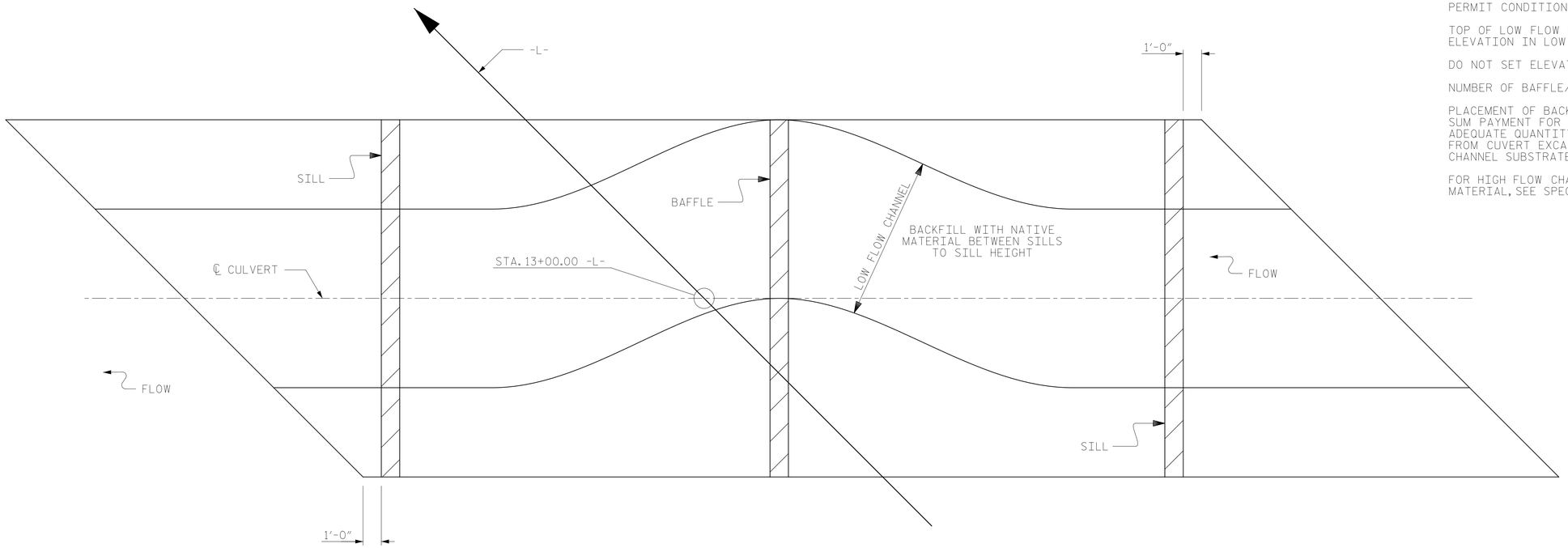
TOP OF LOW FLOW BAFFLE/SILLS SHOULD MATCH STREAM BED ELEVATION IN LOW FLOW CHANNEL OF STREAM.

DO NOT SET ELEVATION OF HIGH BAFFLE/SILLS ABOVE BANK FULL.

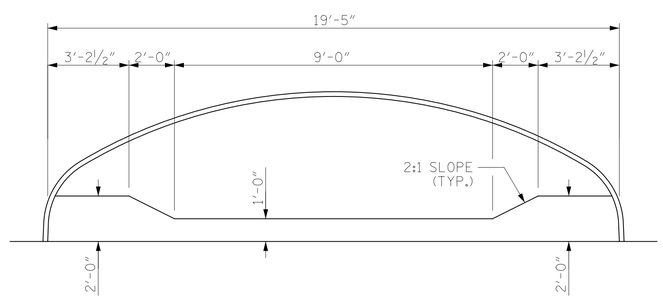
NUMBER OF BAFFLE/SILLS DETERMINED BY THE ENGINEER.

PLACEMENT OF BACKFILL MATERIAL SHALL BE INCLUDED IN THE LUMP SUM PAYMENT FOR "CULVERT EXCAVATION". WHERE THERE IS NOT AN ADEQUATE QUANTITY OF SUITABLE BACKFILL MATERIAL AVAILABLE FROM CUVERT EXCAVATION, USE CHANNEL SUBSTRATE MATERIAL. FOR CHANNEL SUBSTRATE MATERIAL, SEE SPECIAL PROVISIONS.

FOR HIGH FLOW CHANNEL - PLACEMENT OF NATURAL STREAM BED MATERIAL, SEE SPECIAL PROVISIONS.



FLOOR SILL/BAFFLE LAYOUT



FLOOR SILL/BAFFLE DETAIL

PROJECT NO. B-6020

POLK COUNTY

STATION: 13+00.00 -L-

SHEET 5 OF 7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SINGLE 19'-5" X 6'-11" ALUMINUM BOX CULVERT 135° SKEW

NORTH CAROLINA PROFESSIONAL SEAL 020208 ENGINEER ERIC B. NELSON JR.

DocuSigned by: Eric B. Nelson Jr. 4/8/2019
AC8808211907 4CD...

REVISIONS							SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:		C-5
1			3				TOTAL SHEETS
2			4				7

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY:
Gannett Fleming
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(919) 420-7660
NC Lic. No. F-0270

DRAWN BY : E. TODD DATE : 02/19
CHECKED BY : J. FARNHAM DATE : 02/19
DESIGN ENGINEER OF RECORD : R.F. WERTMAN DATE : 02/19

CUL. #144