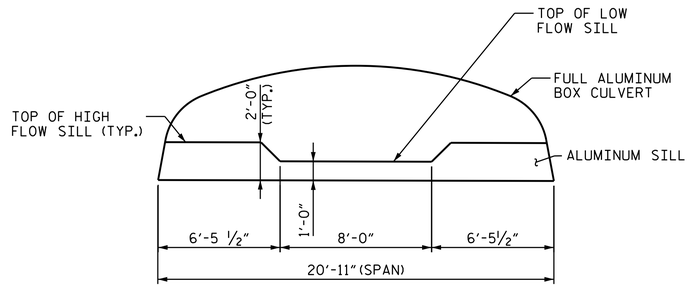
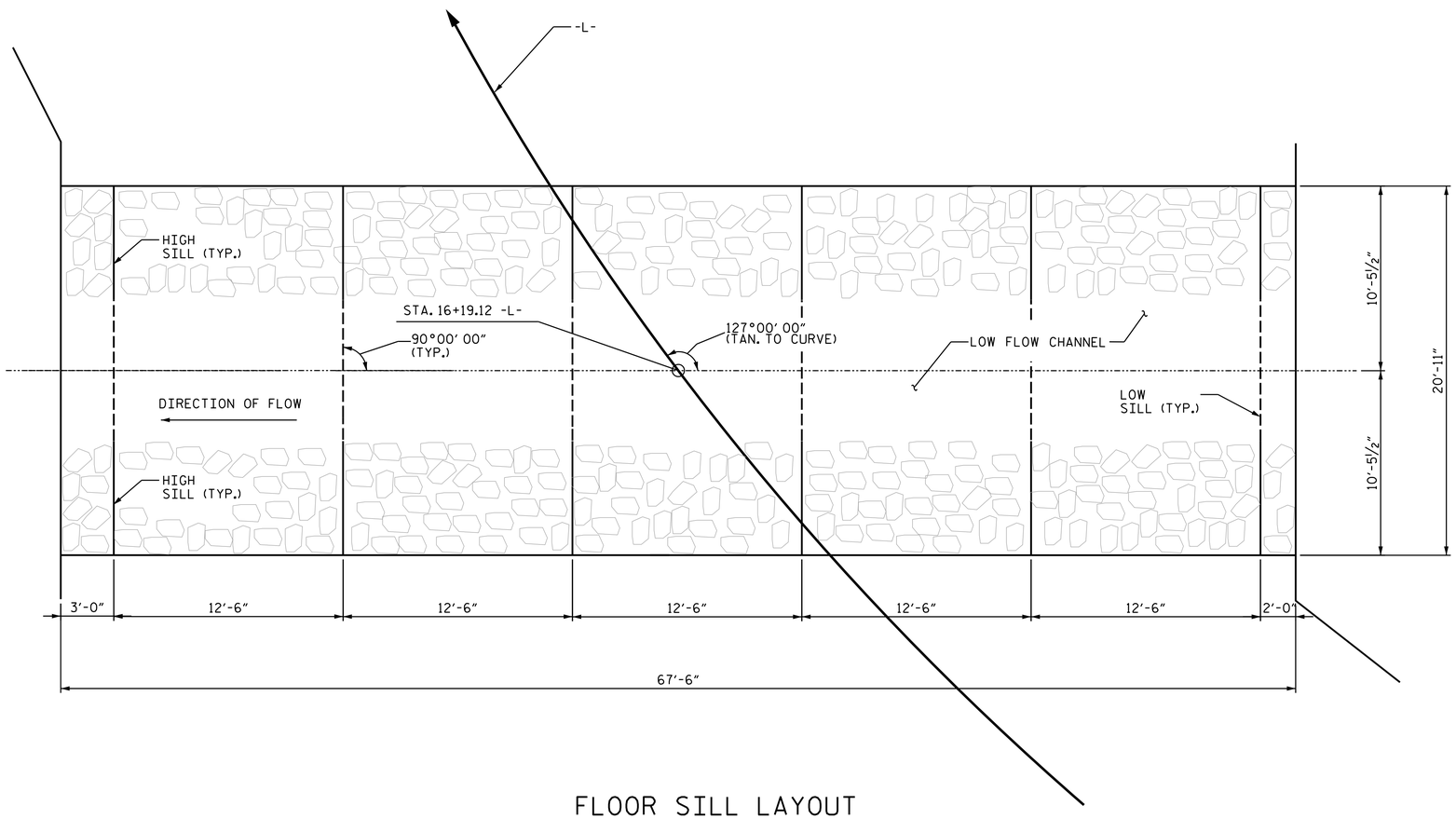
DocuSign Envelope ID: 6C2FDF06-7B8F-4893-B244-44F6FC0EF400



END ELEVATION

(INLET AND OUTLET END)



FLOOR SILL LAYOUT

NOTES:

NATIVE MATERIAL EXCAVATED FROM THE EXISTING STREAM BED OR FLOOD PLAIN SHALL BE STOCKPILED AND LATER PLACED IN THE PROPOSED CULVERT BETWEEN SILLS TO PROVIDE A CONTINUOUS LOW FLOW CHANNEL. RIP RAP MAY BE USED TO SUPPLEMENT THE NATIVE MATERIAL IN THE HIGH FLOW PORTIONS OF THE BARREL. IF RIP RAP IS USED, NATIVE MATERIAL SHALL BE PLACED ON TOP TO FILL VOIDS AND PROVIDE A LEVEL SURFACE FOR ANIMAL PASSAGE.
NATIVE MATERIAL IS SUBJECT TO APPROVAL BY THE ENGINEER AND MAY BE SUBJECT TO PERMIT CONDITIONS.

THE STOCKPILED NATIVE MATERIAL SHALL BE PLACED AS SHOWN IN THE FLOOR SILL LAYOUT SKETCH TO PROVIDE A 1'-0" DEPTH LOW FLOW CHANNEL BETWEEN LOW FLOW SILLS AND SHALL BE PLACED TO THE DEPTH OF 2'-0" BETWEEN HIGH FLOW SILLS.

THE ENTIRE COST OF WORK REQUIRED TO PLACE THE EXCAVATED MATERIAL SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE BID FOR CULVERT EXCAVATION.

THE SILLS SHALL BE ALUMINUM AND BOLTED INTO THE CULVERT.

THE ENTIRE COST OF THE ALUMINUM SILLS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR THE ALUMINUM BOX CULVERT.

TOP OF LOW FLOW SILLS SHALL MATCH STREAM BED ELEVATION IN LOW FLOW CHANNEL OF STREAM.

DO NOT SET ELEVATIONS OF HIGH SILL ABOVE BANK FULL.

PROJECT NO. 17BP.14.R.205
CHEROKEE COUNTY
STATION: 16+19.12 -L-
SHEET 3 OF 5

NORTH CAROLINA PROFESSIONAL SEAL 20125 ENGINEER MARSHALL G. CHEEK, JR.
DocuSigned by: Marshall G. Cheek, Jr.
5FBCC2F3A4DC413...
6/15/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

20'-11' X 6'-1"
ALUMINUM BOX CULVERT
127° SKEW

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

DRAWN BY :	LAB	DATE :	3/19
CHECKED BY :	MGC	DATE :	3/19
DESIGN ENGINEER OF RECORD :	MGC	DATE :	4/19