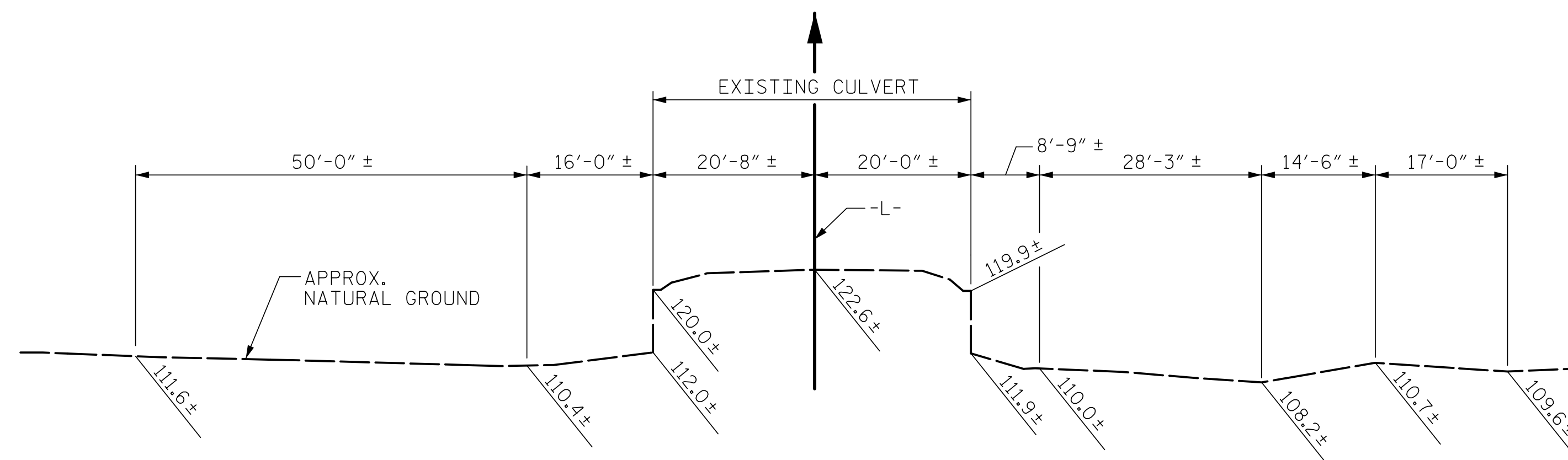


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DRAWN BY : _____ ZCS _____ DATE : 12/22
CHECKED BY : _____ MGC _____ DATE : 1/23
DESIGN ENGINEER OF RECORD: _____ ZCS _____ DATE : 1/23

11/27/2023
X:\NCDOT\IR-5739\Structures\Str. #7 (529 + 01.60 -L-)\Final Plans\DGNs\R-5739_SMU_ CU-650000.dgn
User:ZSmith

CLASS A CONCRETE	
LEFT EXTENSION _____	27.9 C.Y.
RIGHT EXTENSION _____	23.5 C.Y.
TOTAL _____	51.4 C.Y.
REINFORCING STEEL	
LEFT EXTENSION _____	2,511 LBS
RIGHT EXTENSION _____	2,255 LBS
TOTAL _____	4,766 LBS
CULVERT EXCAVATION	LUMP SUM
FOUNDATION COND. MAT'L.	
LEFT EXTENSION _____	11 TONS
RIGHT EXTENSION _____	8 TONS
TOTAL _____	19 TONS

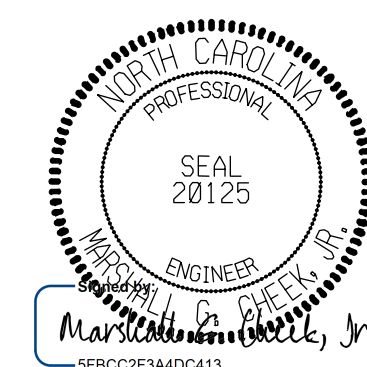
GRADE POINT ELEV. @ STA. 529+01.60 -L- = 123.15'
BED ELEV. @ STA. 529+01.60 -L- _____ = 111.96'
ROADWAY SLOPES _____ = 2:1

DESIGN DISCHARGE_____	= 200 CFS
FREQUENCY OF DESIGN FLOOD_____	= 50 YRS
DESIGN HIGH WATER ELEVATION_____	= 117.4'
DRAINAGE AREA_____	= 0.47 SQ. MI.
BASE DISCHARGE (Q100)_____	= 240 CFS
BASE HIGH WATER ELEVATION_____	= 117.9'

OVERTOPPING DISCHARGE _____ = >350 CFS
FREQUENCY OF OVERTOPPING FLOOD __ = 500+ YRS
OVERTOPPING FLOOD ELEVATION _____ = 123.1'


FOR LIMITS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC CONTROL PLANS. FOR PAY ITEM FOR TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE ROADWAY PLANS.

SHEET 1 OF 12



7/23/2025

SINGLE
6' X 8' LEFT EXT.
&
6' X 9' RIGHT EXT.
60° SKEW

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		REVISONS				SHEET NO.	
 TGS ENGINEERS 706 HILLSBOROUGH STREET SUITE 200 RALEIGH, NC 27603 PH (919) 773-8887 CORP. LICENSE NO.: C-0275	NO.	BY:	DATE:	NO.	BY:	DATE:	C7-1
	1			3			TOTAL SHEETS
	2			4			12

STR #7