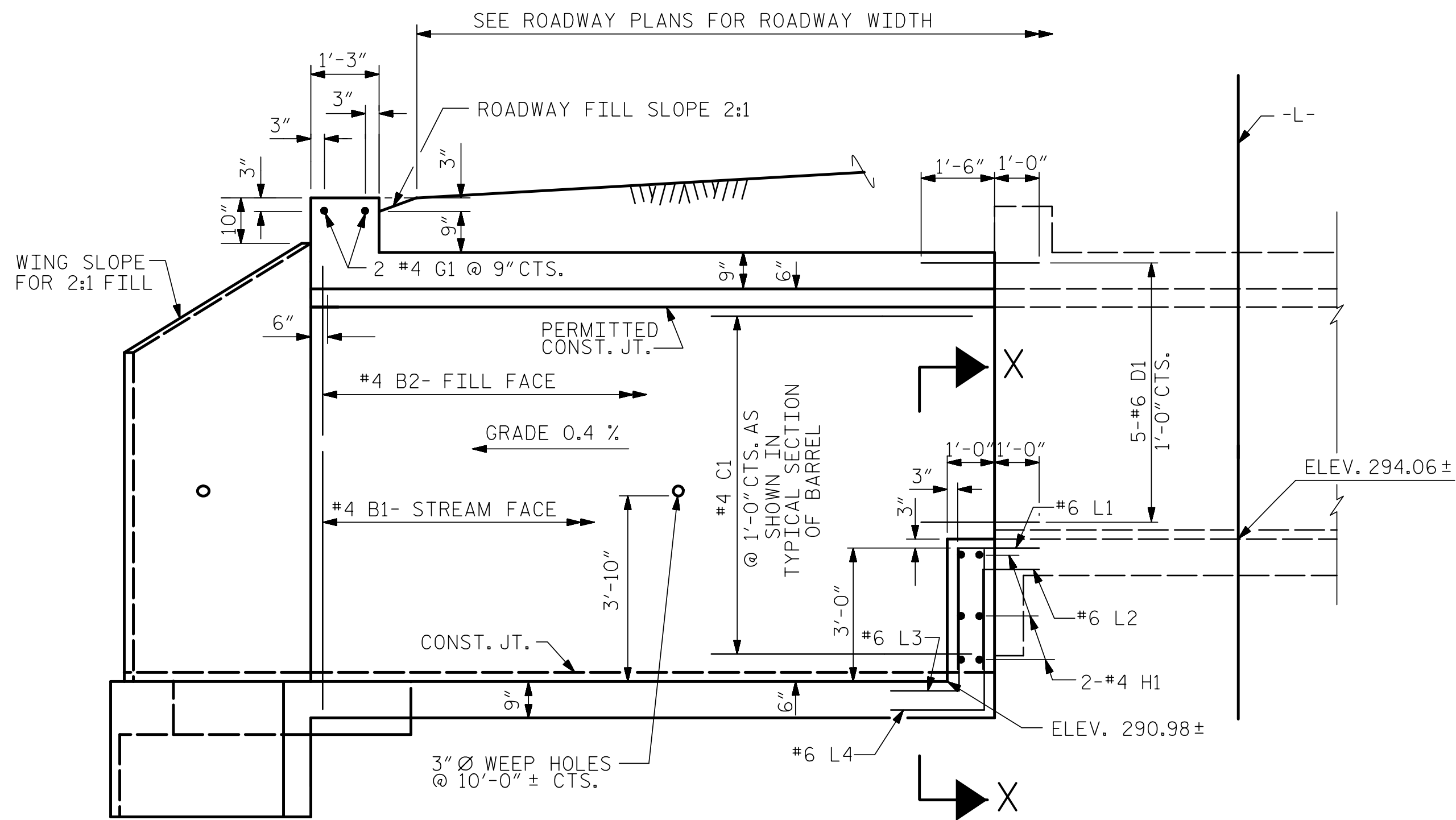
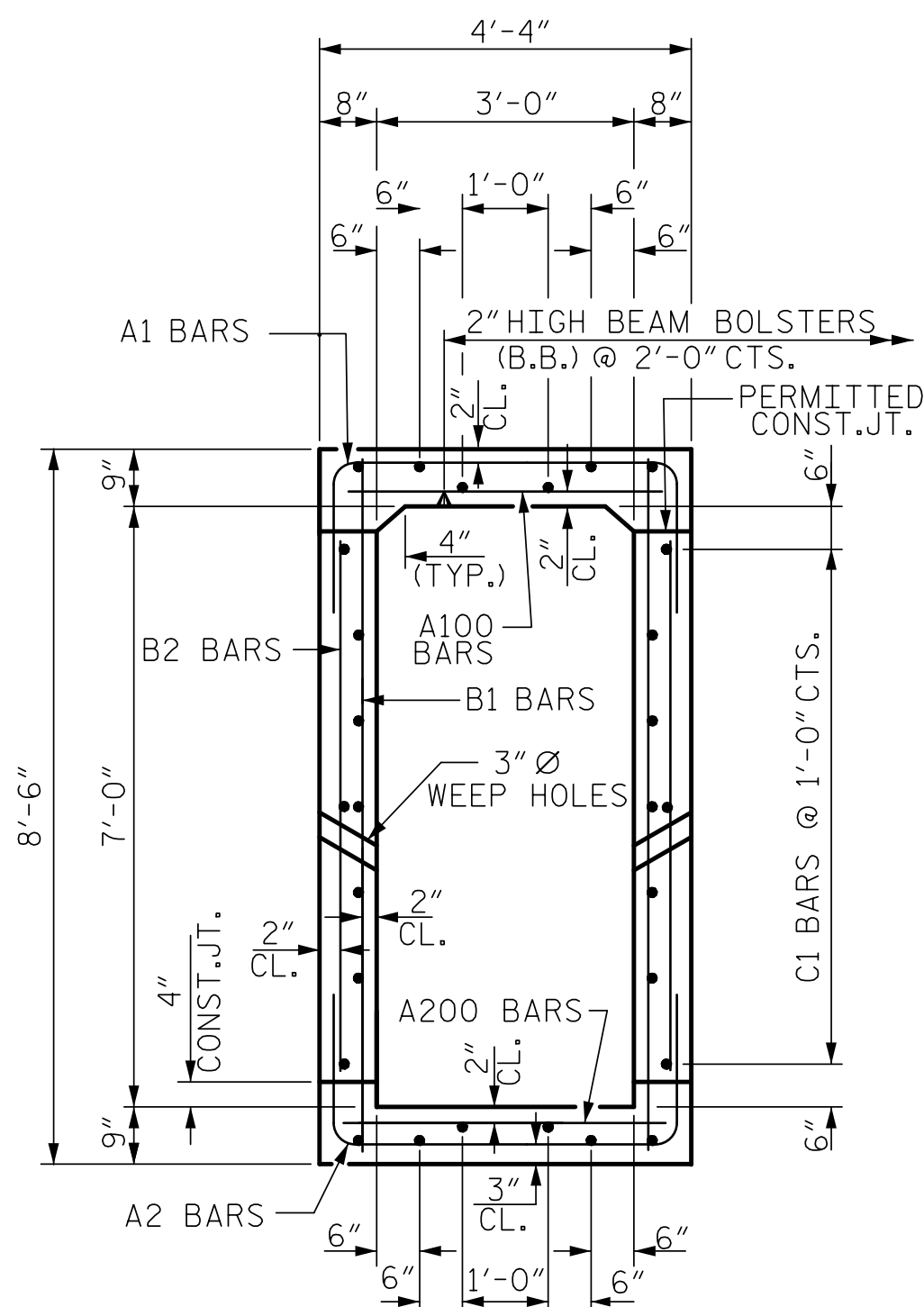


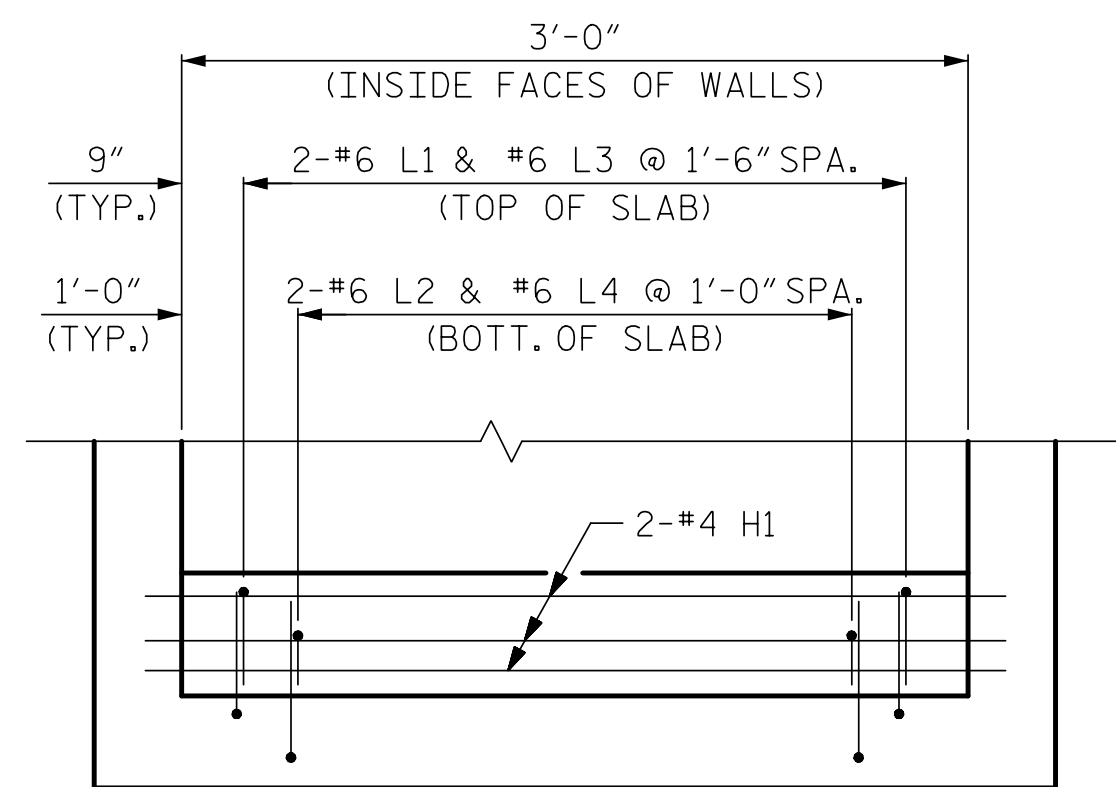


CULVERT SECTION NORMAL TO ROADWAY

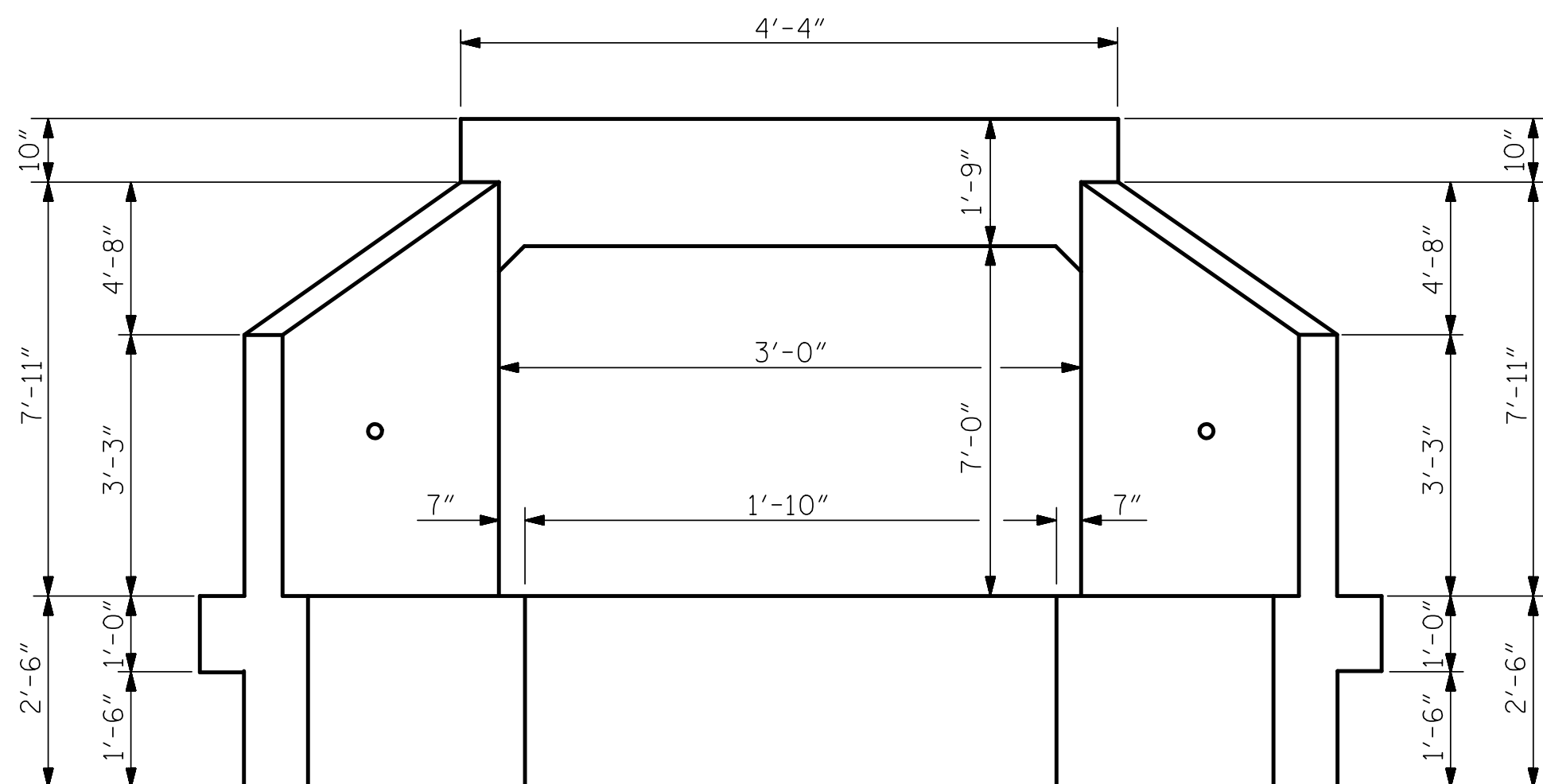


RIGHT ANGLE SECTION OF BARREL

THERE ARE 28 "C" BARS IN SECTION OF BARREL



SECTION X-X



OUTLET END ELEVATION

LEFT EXTENSION QUANTITIES

CLASS A CONCRETE		
BARREL @	0.591 CY/FT	5.3 C.Y.
WINGS, ETC.		8.9 C.Y.
SILL		0.1 C.Y.
BOTTOM SLAB STEP		0.3 C.Y.
TOTAL		14.6 C.Y.

REINFORCING STEEL		
BARREL & SILL		623 LBS.
WINGS, ETC.		572 LBS.
TOTAL		1,195 LBS.

CULVERT EXCAVATION	LUMP SUM
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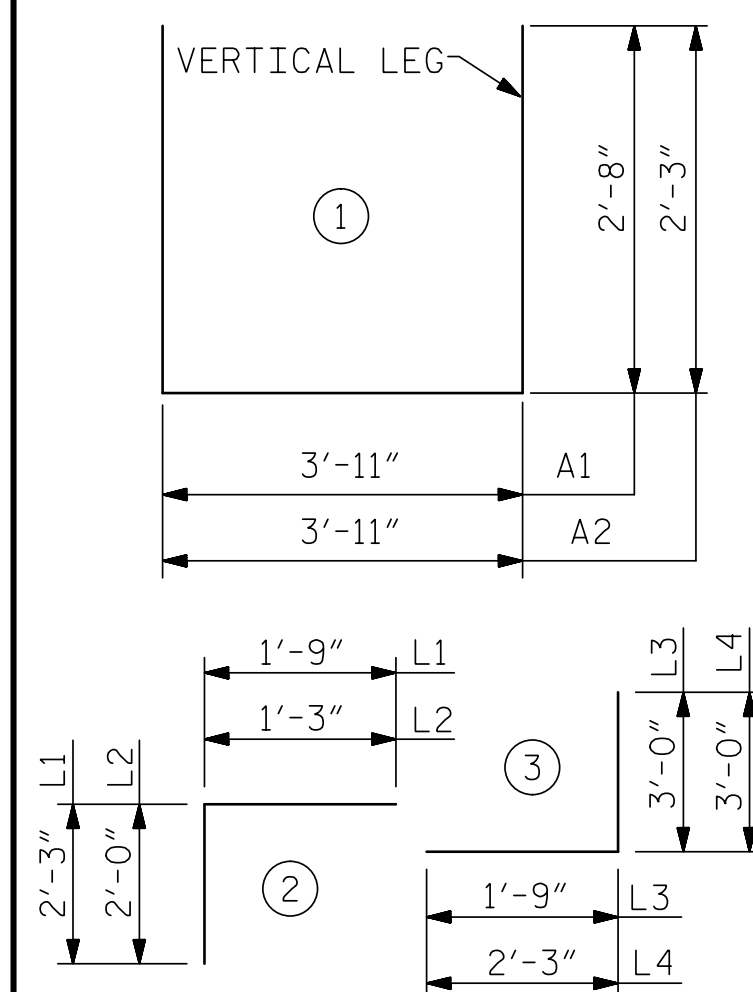
FOUNDATION COND. MAT'L.	5 TONS
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LEFT EXTENSION BAR SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A100	9	#4	STR	3'-11"	24
A200	9	#4	STR	3'-11"	24
A1	9	#4	1	9'-3"	56
A2	9	#4	1	8'-5"	51
B1	18	#4	STR	8'-1"	97
B2	18	#4	STR	6'-4"	76
C1	28	#4	STR	8'-8"	162
D1	15	#6	STR	2'-6"	56
D2	2	#6	STR	1'-4"	4
G1	2	#4	STR	3'-11"	5
H1	6	#4	STR	3'-11"	16
L1	2	#6	2	4'-0"	12
L2	2	#6	2	3'-3"	10
L3	2	#6	3	4'-9"	14
L4	2	#6	3	5'-3"	16

REINFORCING STEEL 623 LBS

BAR TYPE



DIMENSIONS ARE OUT TO OUT

SPLICE LENGTHS CHART

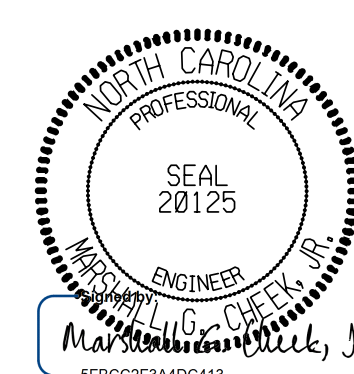
BAR	SIZE	SPLICE LENGTH
"B"	#4	1'-10"

PROJECT NO. R-5739

NORTHAMPTON COUNTY

STATION: 38+74.00 -L-

SHEET 5 OF 10



7/23/2025

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH STREET
SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SINGLE 3 FT. X 7 FT.
CONCRETE BOX CULVERT
90° SKEW
LEFT EXTENSION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			C1-5
2			4			TOTAL SHEETS
						10

STR, #1

DRAWN BY :	ZCS	DATE :	4/22
CHECKED BY :	MGC	DATE :	7/22
DESIGN ENGINEER OF RECORD:	ZCS	DATE :	1/23

11/27/2023
X:\NCDOT\11-5739\Structures\Str. #1 (38 + 74.00 -L-)\Final Plans\DGNS\R-5739_SMU_CU.650000.dgn
User:ZSmith