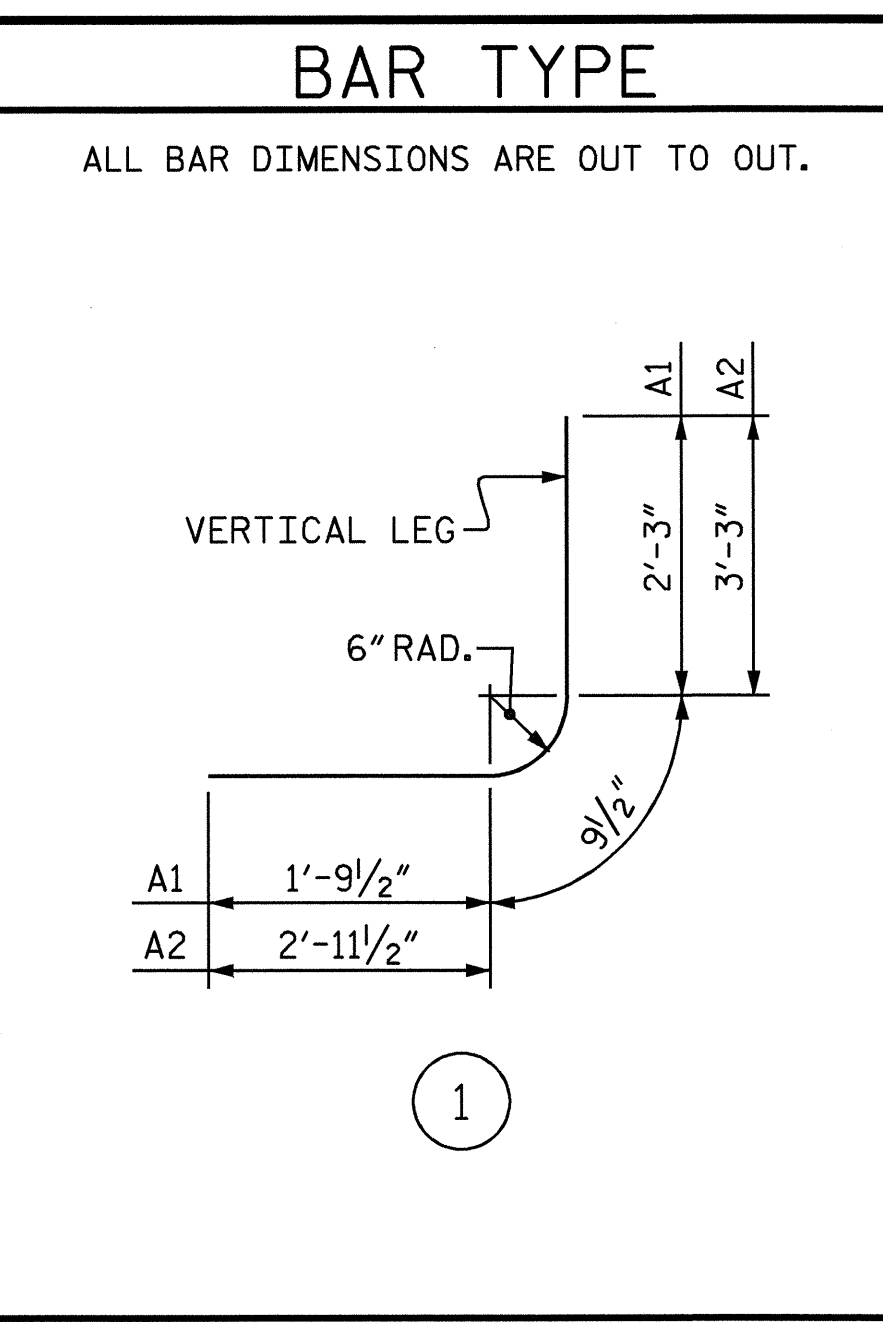


STRUCTURE QUANTITIES (STAGE I CONSTRUCTION)	
CLASS A CONCRETE	
BARREL @ 2.681	CY/FT 257.4 C.Y.
WINGS, ETC.	20.6 C.Y.
TOTAL	278.0 C.Y.
REINFORCING STEEL	
BARREL	46302 LBS.
WINGS ETC.	1074 LBS.
TOTAL	47376 LBS.
CULVERT EXCAVATION	LUMP SUM
FOUNDATION CONDITIONING MATERIAL	176 TONS

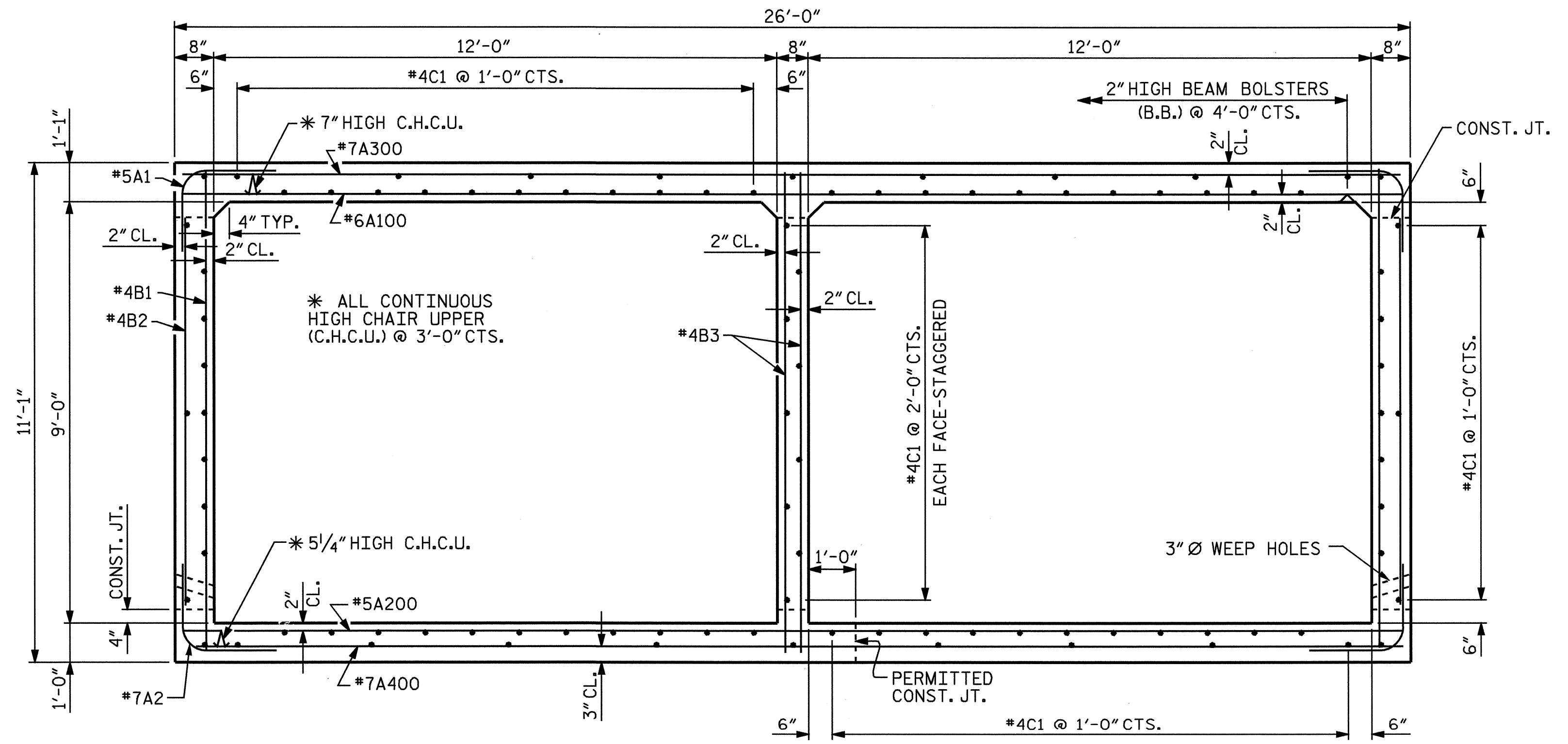


BILL OF MATERIAL STAGE I CONSTRUCTION											
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A100	131	#6	STR	25'-7"	5034	A400	140	#7	STR	25'-7"	7321
A101	4	#6	STR	23'-3"	140	A401	4	#7	STR	23'-5"	191
A102	4	#6	STR	21'-1"	127	A402	4	#7	STR	21'-5"	175
A103	4	#6	STR	18'-11"	114	A403	4	#7	STR	19'-4"	158
A104	4	#6	STR	16'-9"	101	A404	4	#7	STR	17'-4"	142
A105	4	#6	STR	14'-7"	88	A405	4	#7	STR	15'-4"	125
A106	4	#6	STR	12'-5"	75	A406	4	#7	STR	13'-4"	109
A107	4	#6	STR	10'-3"	62	A407	4	#7	STR	11'-3"	92
A108	4	#6	STR	8'-1"	49	A408	4	#7	STR	9'-3"	76
A109	4	#6	STR	5'-11"	36	A409	4	#7	STR	7'-3"	59
A110	4	#6	STR	3'-9"	23	A410	4	#7	STR	5'-3"	43
						A411	4	#7	STR	3'-2"	26
A200	140	#5	STR	25'-7"	3736						
A201	4	#5	STR	23'-5"	98	A1	332	#5	1	4'-10"	1674
A202	4	#5	STR	21'-5"	89	A2	332	#7	1	7'-0"	4750
A203	4	#5	STR	19'-4"	81						
A204	4	#5	STR	17'-4"	72	B1	192	#4	STR	10'-7"	1357
A205	4	#5	STR	15'-4"	64	B2	332	#4	STR	8'-4"	1848
A206	4	#5	STR	13'-4"	56	B3	230	#4	STR	10'-7"	1626
A207	4	#5	STR	11'-3"	47						
A208	4	#5	STR	9'-3"	39	C1	380	#4	STR	25'-6"	6473
A209	4	#5	STR	7'-3"	30						
A210	4	#5	STR	5'-3"	22	D2	4	#6	STR	2'-7"	16
A211	4	#5	STR	3'-2"	13						
						G1	8	#5	STR	29'-7"	247
A300	140	#7	STR	25'-7"	7321						
A301	4	#7	STR	23'-5"	191	S1	12	#8	STR	29'-7"	948
A302	4	#7	STR	21'-5"	175	S2	3	#6	STR	29'-7"	133
A303	4	#7	STR	19'-4"	158						
A304	4	#7	STR	17'-4"	142						
A305	4	#7	STR	15'-4"	125						
A306	4	#7	STR	13'-4"	109						
A307	4	#7	STR	11'-3"	92						
A308	4	#7	STR	9'-3"	76						
A309	4	#7	STR	7'-3"	59						
A310	4	#7	STR	5'-3"	43						
A311	4	#7	STR	3'-2"	26						

REINFORCING STEEL 46302 LBS.

*** SPLICE LENGTHS CHART ***

BAR	SIZE	SPLICE LENGTH
B1	#4	1'-9"
B3	#4	1'-9"
C1	#4	1'-11"



RIGHT ANGLE SECTION OF BARREL - STAGE I
(THERE ARE 95 "C" BARS IN SECTION OF BARREL)

PROJECT NO. B-3157
DAVIDSON COUNTY
STATION: 17+48.00 -Y1-
SHEET 3 OF 11

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DOUBLE 12 FT. X 9 FT.
CONCRETE BOX CULVERT
BILL OF MATERIAL
(STAGE I CONSTRUCTION)

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	C-3	
1			3			TOTAL SHEETS 19	
2			4				



DRAWN BY: M. M. PARSONS DATE: 5/5/03
CHECKED BY: T. L. AVERETTE DATE: 7/03