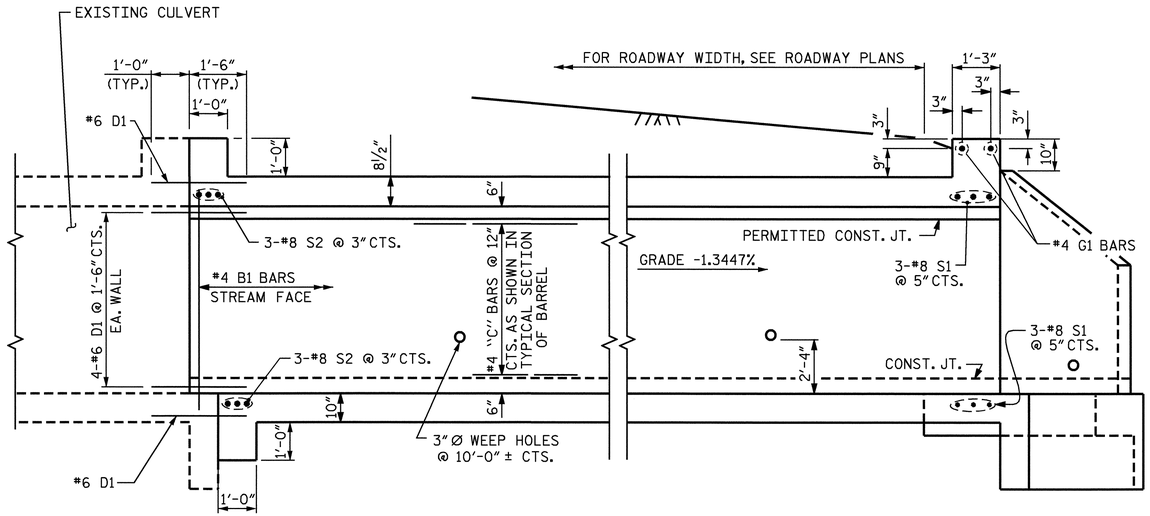
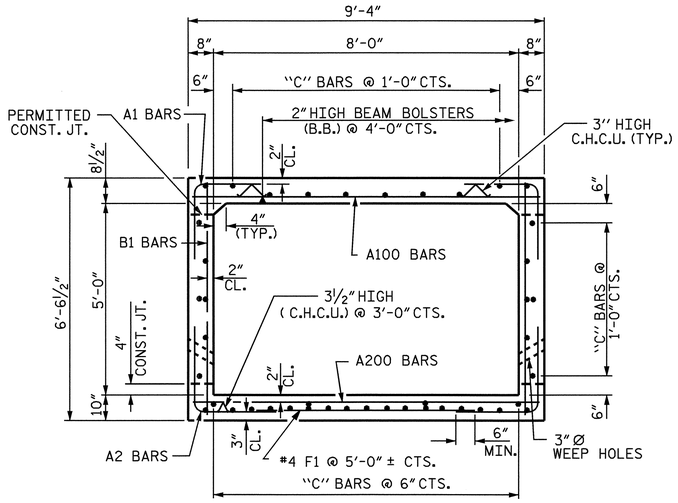
07-OCT-2004 16:09
W:\squadg\TURNED_IN\R2237B\FINAL_PLANS\R-2237B_sd_CU_02.dgn
wparker

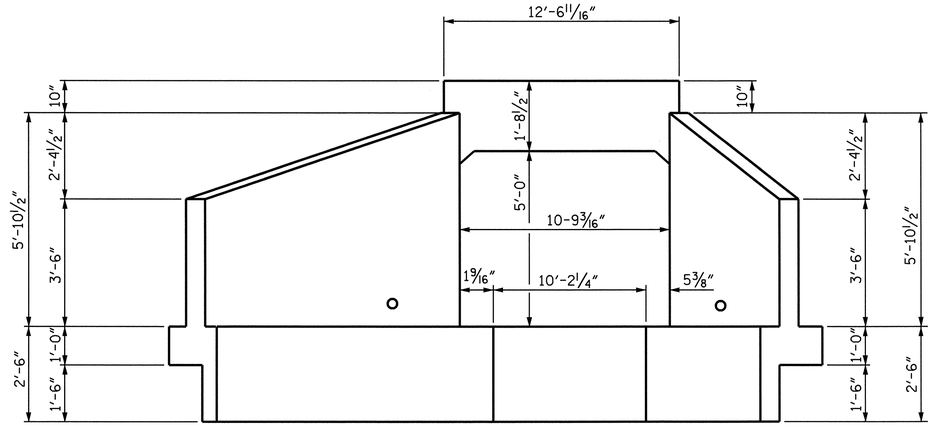


CULVERT SECTION ALONG ℄ CULVERT



RIGHT ANGLE SECTION OF BARREL

THERE ARE 43 "C" BARS IN SECTION OF BARREL



END ELEVATION NORMAL TO SKEW

RIGHT EXTENSION QUANTITIES

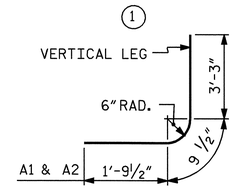
CLASS A CONCRETE

BARREL	19.6	C.Y.
WINGS, ETC.	9.2	C.Y.
TOTAL	28.8	C.Y.

REINFORCING STEEL

BARREL	3614	LBS.
WINGS, ETC.	460	LBS.
TOTAL	4074	LBS.

FOUNDATION CONDITIONING MATERIAL 15 TONS



BAR TYPE

DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

RIGHT EXTENSION-BARREL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	80	#5	1	5'-10"	487
A2	80	#5	1	5'-10"	487
A100	42	#5	STR	9'-0"	394
A101	2	#5	STR	7'-10"	16
A102	2	#5	STR	6'-3"	13
A103	2	#5	STR	4'-8"	10
A104	2	#5	STR	3'-0"	6
A105	2	#5	STR	8'-1"	17
A106	2	#5	STR	7'-0"	15
A107	2	#5	STR	6'-0"	13
A108	2	#5	STR	5'-0"	10
A109	2	#5	STR	4'-0"	8
A110	2	#5	STR	2'-11"	6
A200	35	#6	STR	9'-0"	473
A201	2	#6	STR	7'-6"	23
A202	2	#6	STR	5'-8"	17
A203	2	#6	STR	3'-9"	11
A204	2	#6	STR	8'-3"	25
A205	2	#6	STR	7'-0"	21
A206	2	#6	STR	5'-9"	17
A207	2	#6	STR	4'-6"	14
A208	2	#6	STR	3'-3"	10
A209	2	#6	STR	2'-1"	6
B1	66	#4	STR	6'-1"	268
C1	43	#4	STR	14'-0"	402
C2	43	#4	STR	12'-9"	366
D1	22	#6	STR	2'-6"	82
F1	5	#4	STR	6'-5"	21
G1	2	#4	STR	12'-1"	16
S1	6	#8	STR	12'-1"	194
S2	6	#8	STR	10'-4"	166
REINFORCING STEEL				=	3614 LBS.

SPLICE LENGTH CHART

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

PROJECT NO. R-2237B

CALDWELL COUNTY

STATION: 82+94.91 -L-

SHEET 6 OF 9

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SINGLE 8 FT. X 5 FT. CONCRETE BOX CULVERT RIGHT EXTENSION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-16
1			3			TOTAL SHEETS
2			4			19

NORTH CAROLINA PROFESSIONAL SEAL 23926 ENGINEER BRIAN C. HAWKS
10/6/04

ASSEMBLED BY : J.L. WALTON DATE : 4/13/04
CHECKED BY : K.K. PUROHIT DATE : 7/22/04

STR #2