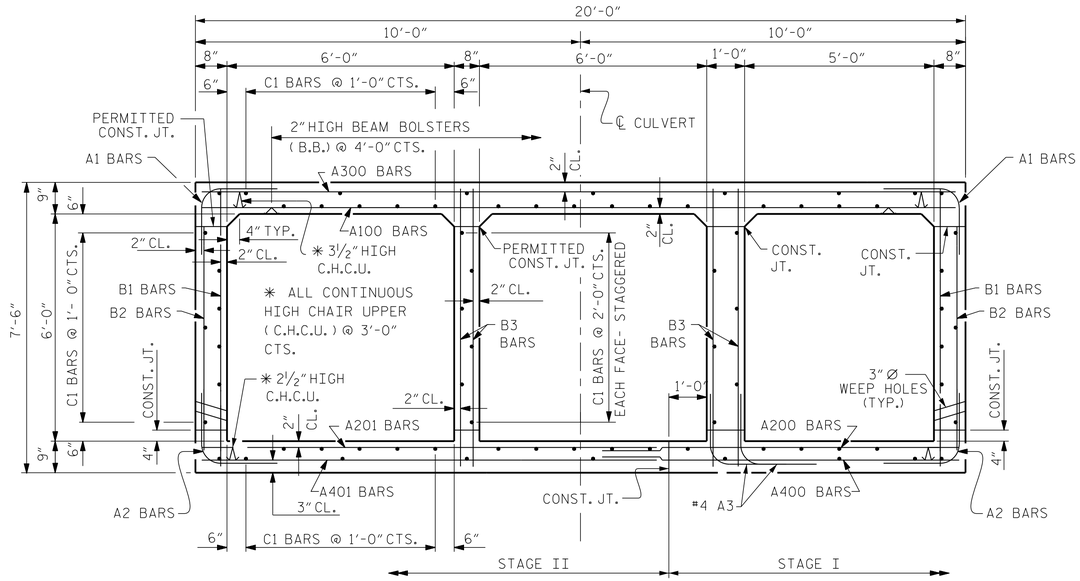
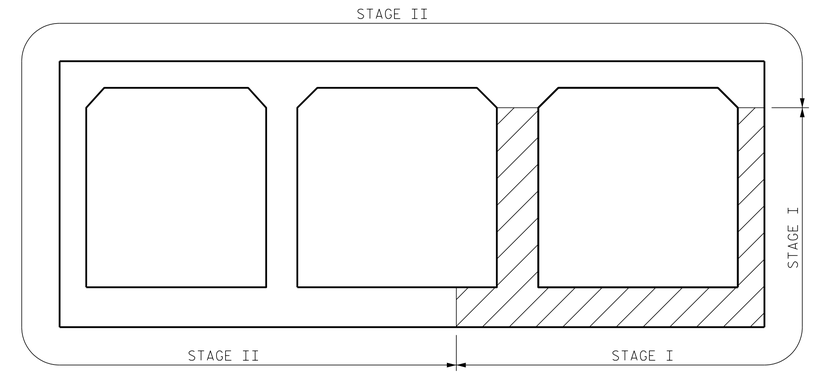
DocuSign Envelope ID: 5EB0F56F-AE77-408B-8F51-7A845ED7F1E7



RIGHT ANGLE SECTION OF BARREL LOOKING UPSTREAM

THERE ARE 74 "C" BARS IN SECTION OF BARREL.



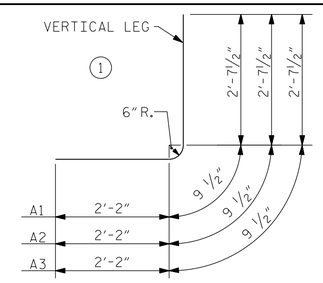
CONSTRUCTION SEQUENCE

LOOKING UPSTREAM

BARREL REINFORCING STEEL

LEFT EXTENSION - STAGE I						LEFT EXTENSION - STAGE II					
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
A1	75	5	1	5'-7"	437	A1	75	5	1	5'-7"	437
A2	75	5	1	5'-7"	437	A2	75	5	1	5'-7"	437
A3	99	4	1	5'-7"	369						
A200	75	5	STR	9'-8"	756	A100	75	5	STR	19'-8"	1538
A400	75	5	STR	9'-8"	756	A201	75	5	STR	12'-2"	952
						A300	75	5	STR	19'-8"	1538
B1	50	4	STR	7'-1"	237	A401	75	5	STR	12'-2"	952
B2	75	4	STR	5'-8"	284						
B3	99	4	STR	7'-1"	468	B1	50	4	STR	7'-1"	237
						B2	75	4	STR	5'-8"	284
C1	44	4	STR	25'-10"	759	B3	99	4	STR	7'-1"	468
D1	9	6	STR	2'-6"	34	C1	104	4	STR	25'-10"	1795
						D1	26	6	STR	2'-6"	98
						G1	4	5	STR	19'-8"	82
REINFORCING STEEL					4,547 LBS	REINFORCING STEEL					8,818 LBS

RIGHT EXTENSION - STAGE I						RIGHT EXTENSION - STAGE II					
BAR	NO	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
A1	84	5	1	5'-7"	489	A1	84	5	1	5'-7"	489
A2	84	5	1	5'-7"	489	A2	84	5	1	5'-7"	489
A3	111	4	1	5'-7"	414						
A200	84	5	STR	9'-8"	847	A100	84	5	STR	19'-8"	1723
A400	84	5	STR	9'-8"	847	A201	84	5	STR	12'-2"	1066
						A300	84	5	STR	19'-8"	1723
B1	56	4	STR	7'-1"	265	A401	84	5	STR	12'-2"	1066
B2	84	4	STR	5'-8"	318						
B3	111	4	STR	7'-1"	525	B1	56	4	STR	7'-1"	265
						B2	84	4	STR	5'-8"	318
C1	44	4	STR	28'-9"	845	B3	111	4	STR	7'-1"	525
D1	9	6	STR	2'-6"	34	C1	104	4	STR	28'-9"	1997
						D1	26	6	STR	2'-6"	98
						G1	4	5	STR	19'-8"	82
REINFORCING STEEL					5,073 LBS	REINFORCING STEEL					9,841 LBS



BAR TYPE

BAR DIMENSIONS ARE OUT TO OUT

SPLICE LENGTHS CHART

BAR	SIZE	SPLICE LENGTH
A200	#5	2'-2"
A400	#5	2'-2"
B1	#4	1'-9"
B3	#4	1'-9"
C1	#4	1'-11"

PROJECT NO. W-5600

JOHNSTON COUNTY

STATION: 45+66.22 -L-

SHEET 9 OF 10

ENGINEER OF RECORD: 3/25/2019

NORTH CAROLINA PROFESSIONAL SEAL 14091 ENGINEER BUCK CHARLES HUNT

DocuSigned by: Buck Charles Hunt

WETHERILL ENGINEERING

1223 Jones Franklin Rd.
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
LICENSE NO. F-0377

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TRIPLE BARREL
2 @ 6 FT. X 6 FT.
1@ 5 FT. X 6 FT.
CONCRETE BOX
CULVERT
LEFT & RIGHT EXTENSIONS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C1-9
1			3			TOTAL SHEETS
2			4			10

DRAWN BY : B.C. HUNT DATE : 4-18

CHECKED BY : J.A. DILWORTH DATE : 5-18

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

P:\2017\17121.01_W-5600_US70\Structures\Culverts\E2076\DGN\W5600_E2076_WEI_cw9006.dgn
3/20/2019 1:59:48 PM