

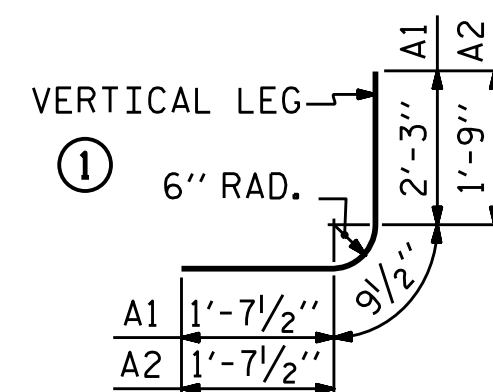
REINFORCING BAR SCHEDULE

STAGE I

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	166	#4	1	4'-8"	517	A300	70	#4	STR	19'-7"	916	D1	9	#6	STR	1'-5"	19
A2	166	#4	1	4'-2"	462	A301	4	#4	STR	16'-11"	45	D2	9	#6	STR	2'-5"	33
						A302	4	#4	STR	13'-10"	37						
A100	87	#4	STR	19'-7"	1138	A303	4	#4	STR	10'-9"	29	G1	4	#5	STR	21'-2"	88
A101	4	#4	STR	17'-8"	47	A304	4	#4	STR	7'-8"	20						
A102	4	#4	STR	15'-3"	41	A305	4	#4	STR	4'-7"	12	S1	6	#8	STR	21'-2"	339
A103	4	#4	STR	12'-9"	34							S2	12	#6	STR	21'-2"	382
A104	4	#4	STR	10'-3"	27	A400	70	#5	STR	19'-7"	1430	REINFORCING STEEL = 11,424 LBS.					
A105	4	#4	STR	7'-10"	21	A401	4	#5	STR	16'-11"	71						
A106	4	#4	STR	5'-4"	14	A402	4	#5	STR	13'-10"	58						
A107	4	#4	STR	2'-10"	8	A403	4	#5	STR	10'-9"	45						
						A404	4	#5	STR	7'-8"	32						
A200	87	#4	STR	19'-7"	1138	A405	4	#5	STR	4'-7"	19						
A201	4	#4	STR	17'-8"	47												
A202	4	#4	STR	15'-3"	41	B1	104	#4	STR	7'-3"	504						
A203	4	#4	STR	12'-9"	34	B2	166	#4	STR	5'-4"	591						
A204	4	#4	STR	10'-3"	27	B3	104	#4	STR	7'-3"	504						
A205	4	#4	STR	7'-10"	21												
A206	4	#4	STR	5'-4"	14	C1	140	#4	STR	27'-11"	2611						
A207	4	#4	STR	2'-10"	8												

REINFORCING STEEL = 11,424 LBS.

BAR TYPE



BAR DIMENSIONS ARE OUT TO OUT

REINFORCING BAR SCHEDULE

STAGE II - PHASE 1

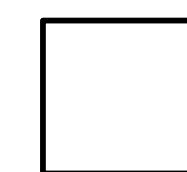
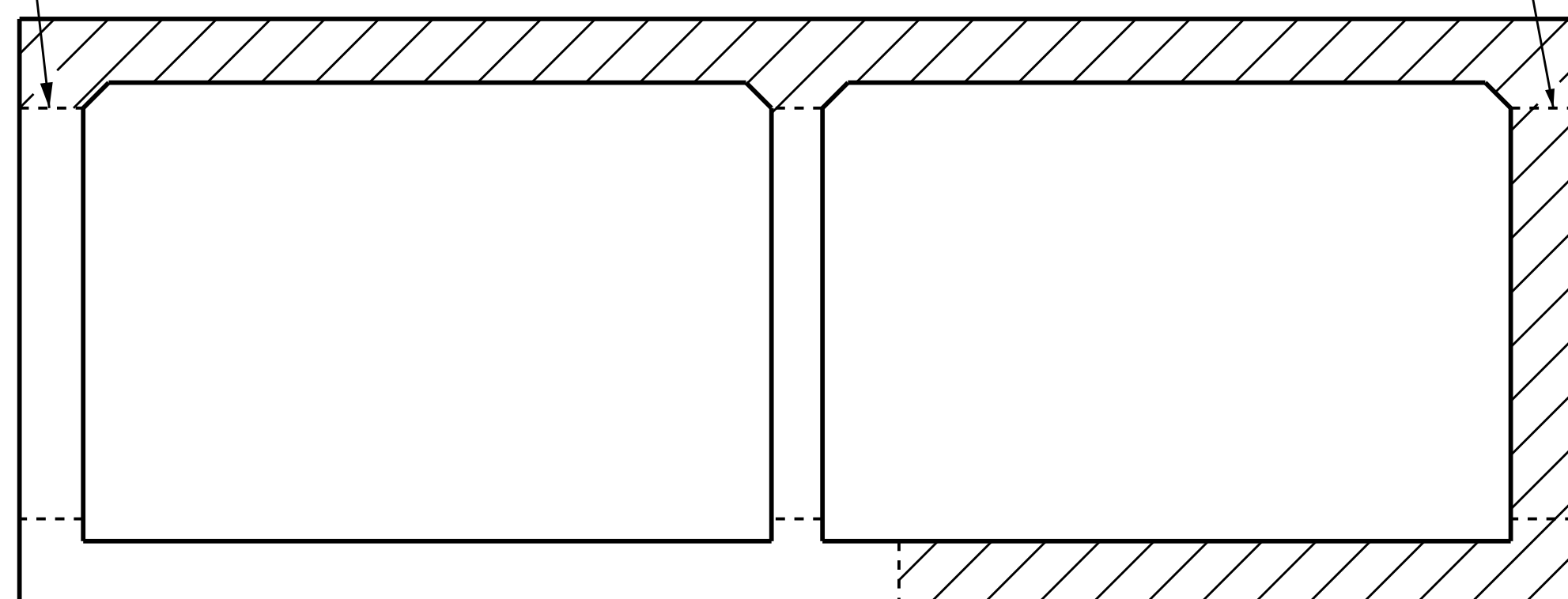
STAGE II - PHASE 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	107	#4	1	4'-8"	334	A1	107	#4	1	4'-8"	334	A850	101	#5	STR	8'-4"	878
A2	241	#4	1	4'-2"	671	A2	107	#4	1	4'-2"	298	A851	2	#5	STR	6'-6"	14
												A852	2	#5	STR	3'-5"	7
A600	123	#4	STR	12'-9"	1048	A500	118	#4	STR	19'-7"	1544	A853	2	#5	STR	6'-0"	13
A601	2	#4	STR	10'-8"	14	A501	4	#4	STR	17'-6"	47	A854	2	#5	STR	2'-11"	6
A602	2	#4	STR	8'-2"	11	A502	4	#4	STR	15'-0"	40						
A603	2	#4	STR	5'-8"	8	A503	4	#4	STR	12'-7"	34	B1	67	#4	STR	7'-3"	324
A604	2	#4	STR	3'-3"	4	A504	4	#4	STR	10'-1"	27	B2	107	#4	STR	5'-4"	381
A605	2	#4	STR	11'-4"	15	A505	4	#4	STR	7'-7"	20						
A606	2	#4	STR	8'-10"	12	A506	4	#4	STR	5'-1"	14	C2	129	#4	STR	23'-7"	2032
A607	2	#4	STR	6'-4"	8	A507	4	#4	STR	2'-8"	7						
A608	2	#4	STR	3'-11"	5							D1	12	#6	STR	1'-5"	26
A800	98	#5	STR	13'-1"	1337	A650	127	#4	STR	8'-4"	707	G1	4	#5	STR	21'-2"	88
A801	2	#5	STR	10'-10"	23	A651	2	#4	STR	6'-4"	8						
A802	2	#5	STR	7'-9"	16	A652	2	#4	STR	3'-11"	5	S1	3	#8	STR	21'-2"	170
A803	2	#5	STR	4'-8"	10	A653	2	#4	STR	6'-2"	8	S2	6	#6	STR	21'-2"	191
A804	2	#5	STR	11'-2"	23	A654	2	#4	STR	3'-8"	5	S5	3	#8	STR	8'-11"	71
A805	2	#5	STR	8'-1"	17							S6	6	#6	STR	8'-11"	80
A806	2	#5	STR	5'-0"	10	A700	94	#4	STR	19'-7"	1230						
						A701	4	#4	STR	17'-4"	46	REINFORCING STEEL = 8,758 LBS.					
B1	67	#4	STR	7'-3"	324	A702	4	#4	STR	14'-3"	38						
B2	107	#4	STR	5'-4"	381	A703	4	#4	STR	11'-2"	30						
B3	134	#4	STR	7'-3"	649	A704	4	#4	STR	8'-1"	22						
						A705	4	#4	STR	5'-0"	13						
C2	81	#4	STR	23'-7"	1276												
D2	12	#6	STR	2'-5"	44												
S3	3	#8	STR	17'-2"	138												
S4	6	#6	STR	15'-0"	135												
REINFORCING STEEL = 6,513 LBS.																	

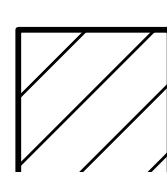
REINFORCING STEEL = 8,758 LBS.

CONST. JT.
(TYP., EXCEPT
AS NOTED)

PERMITTED
CONST. JT.



STAGE II
PHASE 1



STAGE II
PHASE 2

PHASING SEQUENCE

STAGE II
LOOKING UPSTREAM

STAGE I QUANTITIES

CLASS A CONCRETE	
BARREL @ 1.749 CY/FT	90.5 C.Y.
WINGS, ETC.	11.0 C.Y.
SILLS/BAFFLES	3.0 C.Y.
TOTAL	104.5 C.Y.

REINFORCING STEEL	
BARREL & SILLS	11,424
WINGS, ETC.	465 LBS.
TOTAL	11,889 LBS.

CULVERT EXCAVATION	LUMP SUM
FOUNDATION COND. MAT'L	88 TONS

STAGE II QUANTITIES

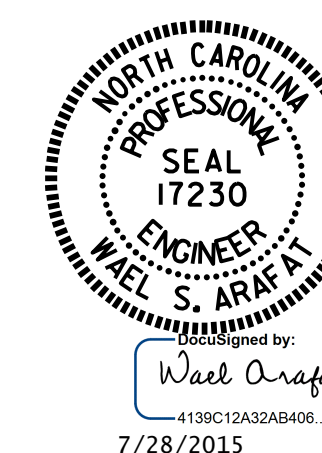
CLASS A CONCRETE	
BARREL @ 1.749 CY/FT	117.3 C.Y.
WINGS, ETC.	11.0 C.Y.
SILLS/BAFFLES	4.0 C.Y.
TOTAL	132.3 C.Y.

REINFORCING STEEL	
BARREL & SILLS	15,271 LBS.
WINGS, ETC.	465 LBS.
TOTAL	15,736 LBS.

CULVERT EXCAVATION	LUMP SUM
FOUNDATION COND. MAT'L	114 TONS

SPLICE LENGTH CHART

BAR	SIZE	SPLICE LENGTH
A200, A600	#4	1'-5"
A400, A800	#5	1'-9"
B1	#4	1'-5"
B3	#4	1'-5"
"C"	#4	1'-11"
S3	#8	4'-11"
S4	#6	2'-9"



PROJECT NO. R-2915A
WATAUGA/ASHE COUNTY
 STATION: 66+11.00 -L-

SHEET 7 OF 9

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**DOUBLE 9'-0" X 6'-0"
 CONCRETE BOX CULVERT
 STAGES I & II**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-7
1			3			TOTAL SHEETS
2			4			20

DRAWN BY: V.X. NGUYEN DATE: 2-3-15
 CHECKED BY: H.T. BARBOUR DATE: 5-1-15
 DESIGN ENGINEER OF RECORD: J.P. McCARTHA DATE: 6-15