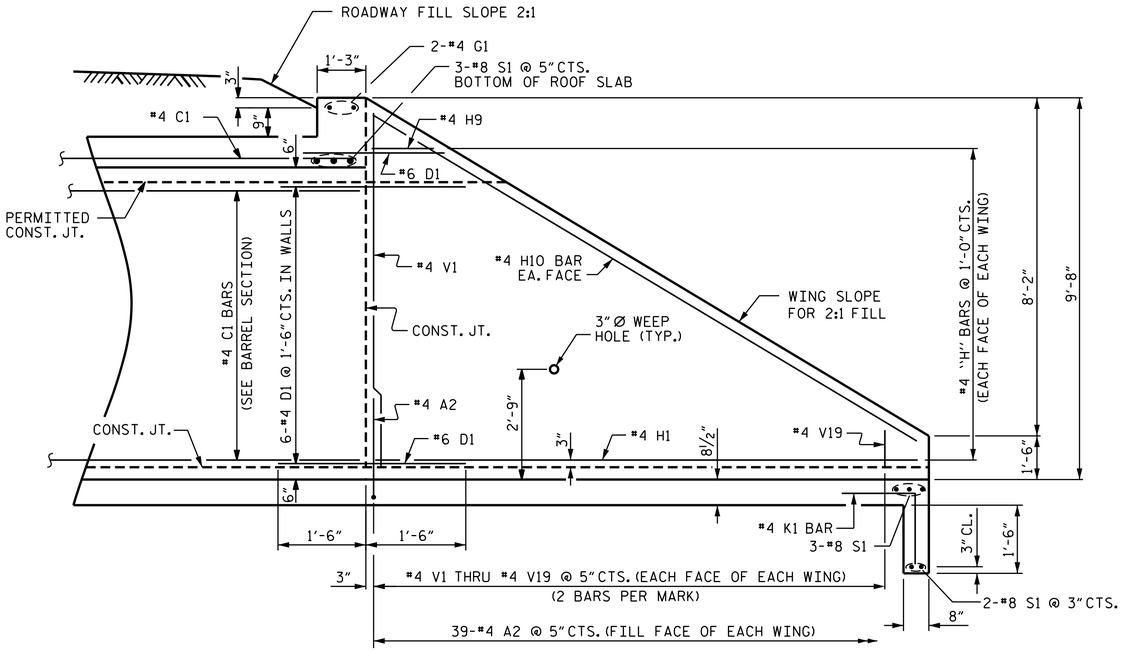
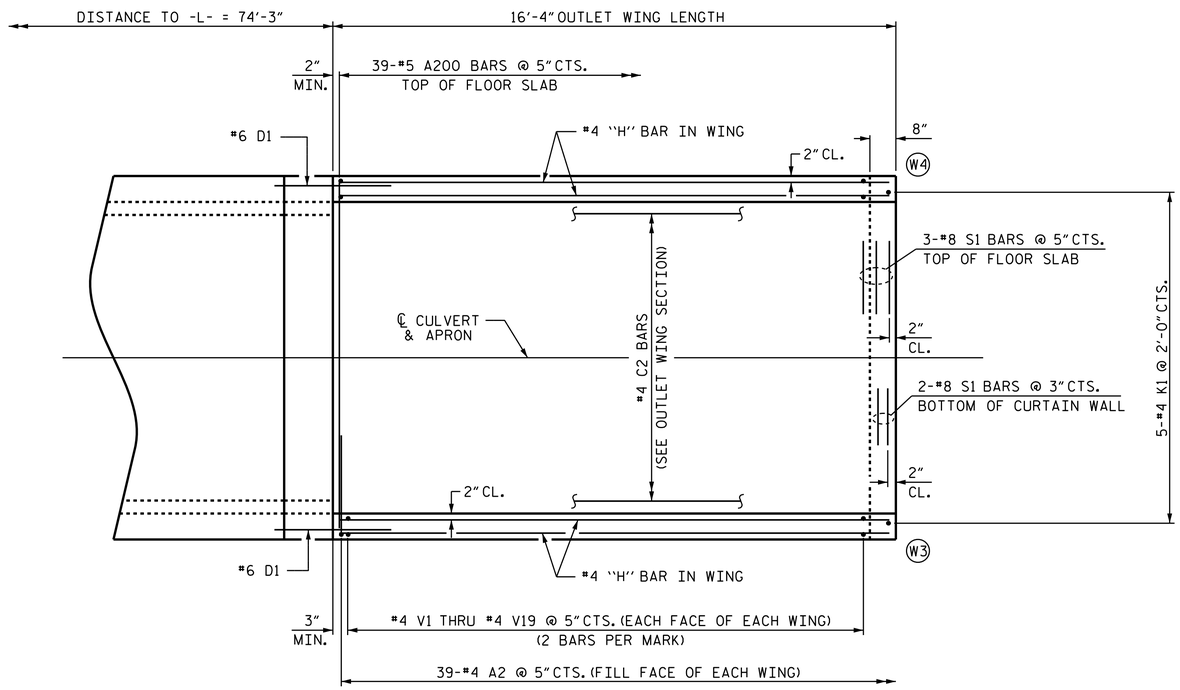
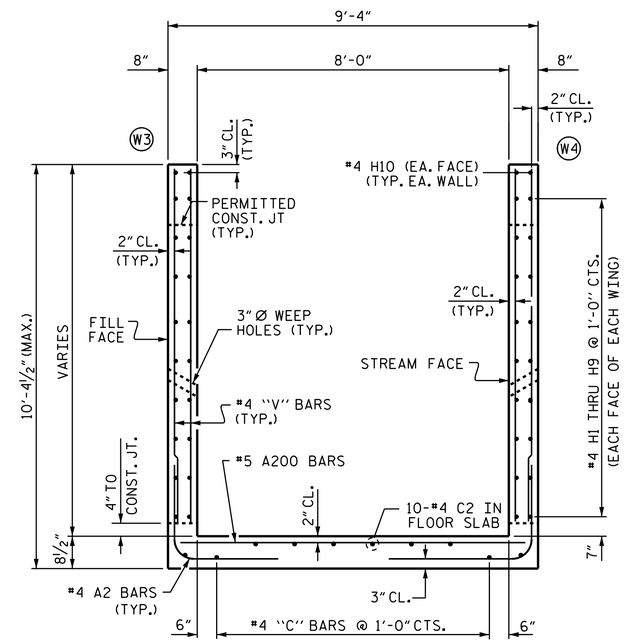


ELEVATION



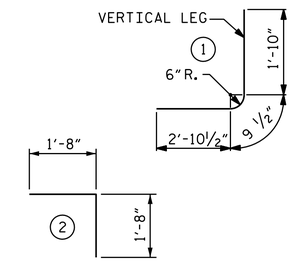
PLAN



OUTLET WING SECTION

(LOOKING UPSTREAM)
THERE ARE 10 C2 BARS IN WING SECTION

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR 2 OUTLET WINGS

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A2	78	#4	1	5'-6"	287
A200	39	#5	STR	8'-11"	363
C2	10	#4	STR	16'-0"	107
H1	4	#4	STR	16'-0"	43
H2	4	#4	STR	15'-7"	42
H3	4	#4	STR	13'-7"	36
H4	4	#4	STR	11'-7"	31
H5	4	#4	STR	9'-7"	26
H6	4	#4	STR	7'-7"	20
H7	4	#4	STR	5'-7"	15
H8	4	#4	STR	3'-7"	10
H9	4	#4	STR	1'-7"	4
H10	4	#4	STR	17'-10"	48
K1	5	#4	2	3'-4"	11
S1	5	#8	STR	9'-0"	120
V1	8	#4	STR	8'-9"	47
V2	8	#4	STR	8'-4"	45
V3	8	#4	STR	7'-11"	42
V4	8	#4	STR	7'-6"	40
V5	8	#4	STR	7'-1"	38
V6	8	#4	STR	6'-9"	36
V7	8	#4	STR	6'-3"	33
V8	8	#4	STR	5'-10"	31
V9	8	#4	STR	5'-5"	29
V10	8	#4	STR	5'-0"	27
V11	8	#4	STR	4'-7"	24
V12	8	#4	STR	4'-2"	22
V13	8	#4	STR	3'-9"	20
V14	8	#4	STR	3'-4"	18
V15	8	#4	STR	2'-11"	16
V16	8	#4	STR	2'-6"	13
V17	8	#4	STR	2'-1"	11
V18	8	#4	STR	1'-8"	9
V19	8	#4	STR	1'-3"	7

REINFORCING STEEL
FOR 2 WINGS & APRON 1,671 LBS

CLASS A CONCRETE

2 WINGS	4.5 CY
1 APRON	4.0 CY
1 HEADWALL	0.4 CY
1 END CURTAIN WALL	0.4 CY
TOTAL	9.3 CY

REINFORCING STEEL QUANTITIES FOR D1 BARS INCLUDED IN THE BARREL REINFORCING STEEL.

AT THE CONTRACTOR'S OPTION THE VERTICAL CONSTRUCTION JOINT BETWEEN THE OUTLET WINGS AND THE BARREL MAY BE ELIMINATED AND THE "C" BARS IN THE BARREL MAY BE EXTENDED TO REPLACE THE "D" AND "H" BARS IN THE WINGS.

PROJECT NO. U-3615B
GUILFORD COUNTY
STATION: 266+36.00 -L-

SHEET 5 OF 7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

OUTLET WINGS FOR CONCRETE BOX CULVERT

H = 8'-0" SLOPE = 2:1
90° SKEW

STAGE I

NORTH CAROLINA PROFESSIONAL SEAL 16301 ENGINEER TING HSIUNG FANG

DocuSigned by: Ting H. Fang
E7208840097743...
12/3/2014

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-5
1			3			TOTAL SHEETS
2			4			7

ASSEMBLED BY : T. KIRSCHBAUM DATE : 5/31/13
CHECKED BY : T.H. FANG DATE : 1/3/14
DESIGN ENGINEER OF RECORD : P.K. NEWTON DATE : 1/7/14

STD. NO. CW9008