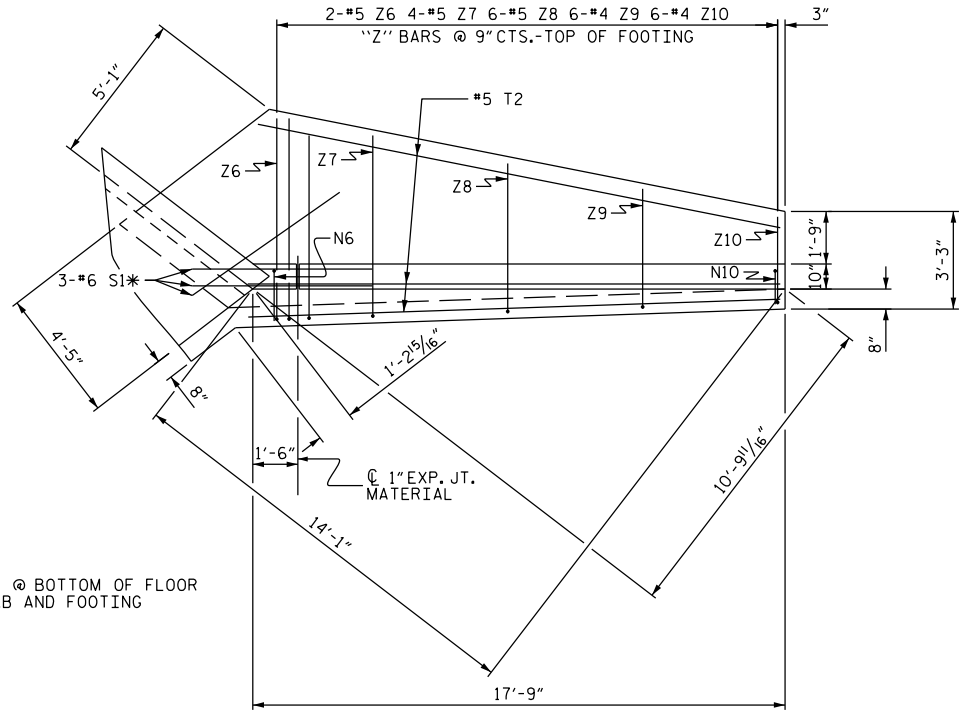
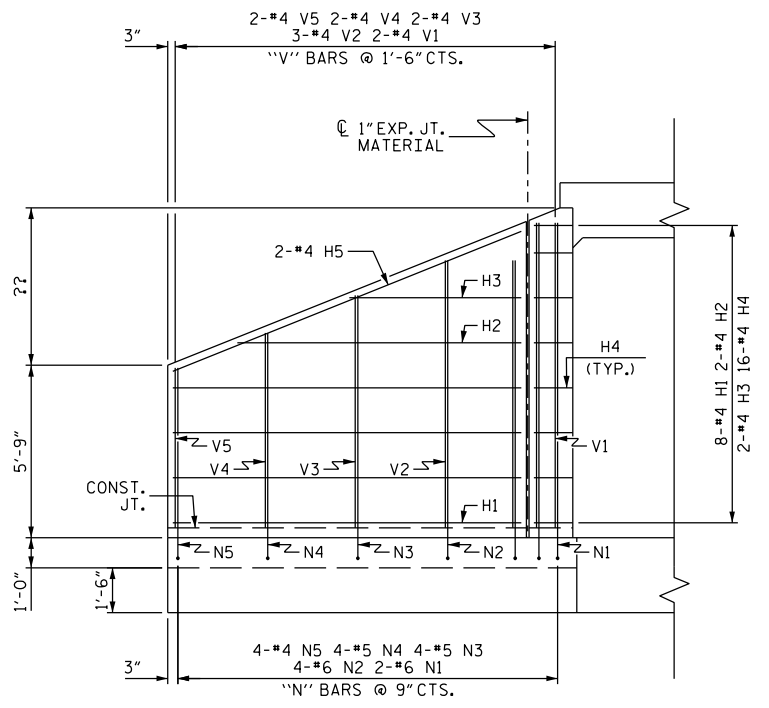


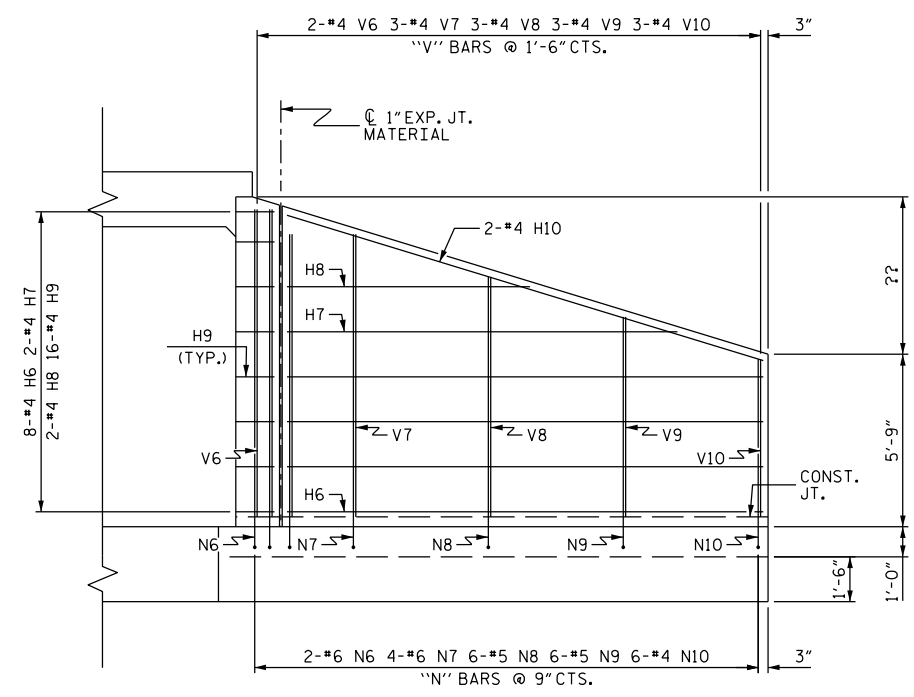
PLAN W2



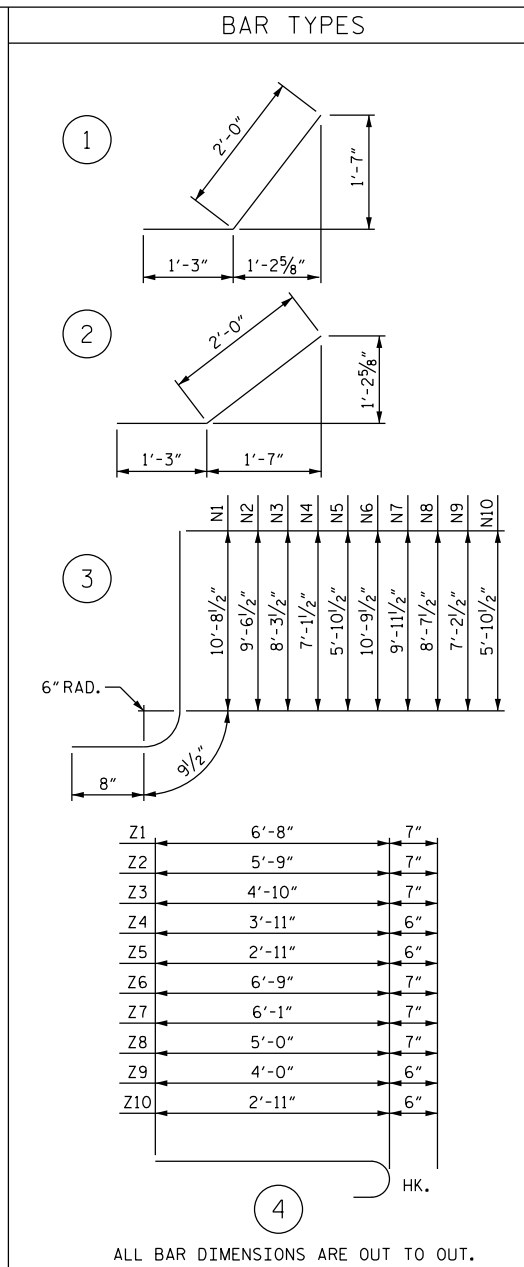
PLAN W1



ELEVATION W2



ELEVATION W1



TYPICAL WING SECTION

BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	16	#4	STR	11'-7"	124
H2	4	#4	STR	9'-5"	25
H3	4	#4	STR	5'-8"	15
H4	32	#4	1	3'-3"	69
H5	4	#4	STR	12'-6"	33
H6	16	#4	STR	15'-10"	169
H7	4	#4	STR	13'-0"	35
H8	4	#4	STR	8'-1"	22
H9	32	#4	2	3'-3"	69
H10	4	#4	STR	16'-7"	44
N1	4	#6	3	12'-2"	73
N2	8	#6	3	11'-0"	132
N3	8	#5	3	9'-9"	81
N4	8	#5	3	8'-7"	72
N5	8	#4	3	7'-4"	39
N6	4	#6	3	12'-3"	74
N7	8	#6	3	11'-5"	137
N8	12	#5	3	10'-1"	126
N9	12	#5	3	8'-8"	108
N10	12	#4	3	7'-4"	59
S1	12	#6	STR	6'-0"	108
T1	6	#5	STR	13'-6"	84
T2	6	#5	STR	17'-9"	111
V1	4	#4	STR	10'-2"	27
V2	6	#4	STR	8'-11"	36
V3	4	#4	STR	7'-9"	21
V4	4	#4	STR	6'-6"	17
V5	4	#4	STR	5'-4"	14
V6	4	#4	STR	10'-3"	27
V7	6	#4	STR	9'-5"	38
V8	6	#4	STR	8'-0"	32
V9	6	#4	STR	6'-8"	27
V10	6	#4	STR	5'-3"	21
Z1	4	#5	4	7'-3"	30
Z2	8	#5	4	6'-4"	53
Z3	8	#5	4	5'-5"	45
Z4	8	#4	4	4'-5"	24
Z5	8	#4	4	3'-5"	18
Z6	4	#5	4	7'-4"	31
Z7	8	#5	4	6'-8"	56
Z8	12	#5	4	5'-7"	70
Z9	12	#4	4	4'-6"	36
Z10	12	#4	4	3'-5"	27
REINFORCING STEEL FOR 4 WINGS					2459 LBS
CLASS A CONCRETE					32.8 CY
4 WINGS					CY
2 HEADWALLS					CY
2 END CURTAIN WALLS					CY
TOTAL					CY

PROJECT NO. _____ COUNTY _____

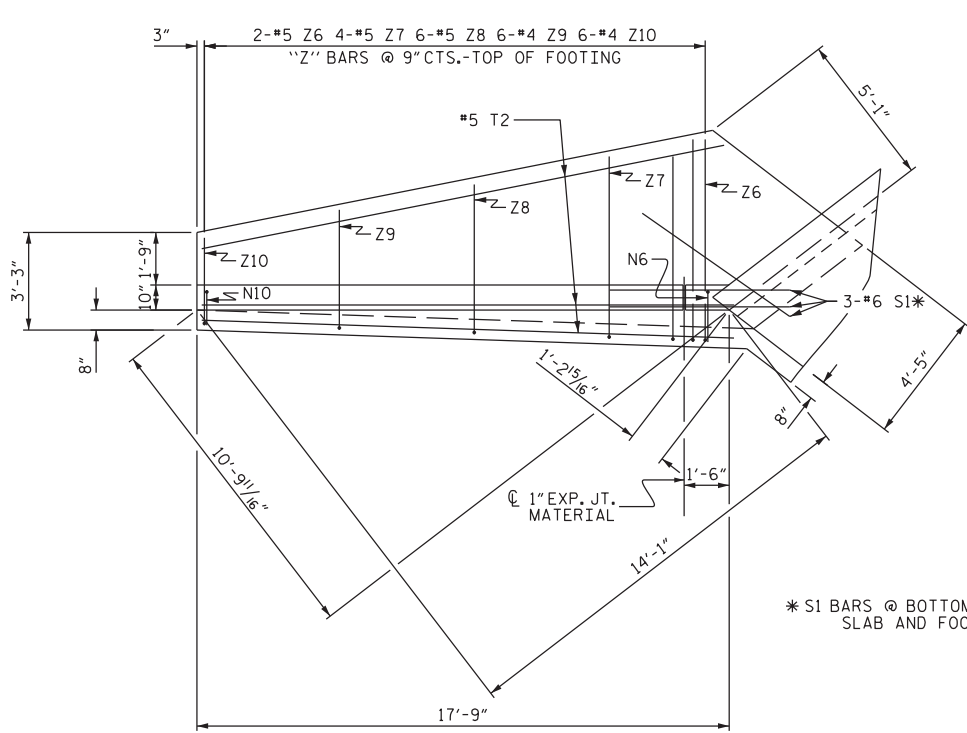
STATION: _____ SHEET _____ OF _____

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD WINGS
FOR
CONCRETE BOX CULVERT
H = 10'-0" SLOPE = 2:1
75° SKEW

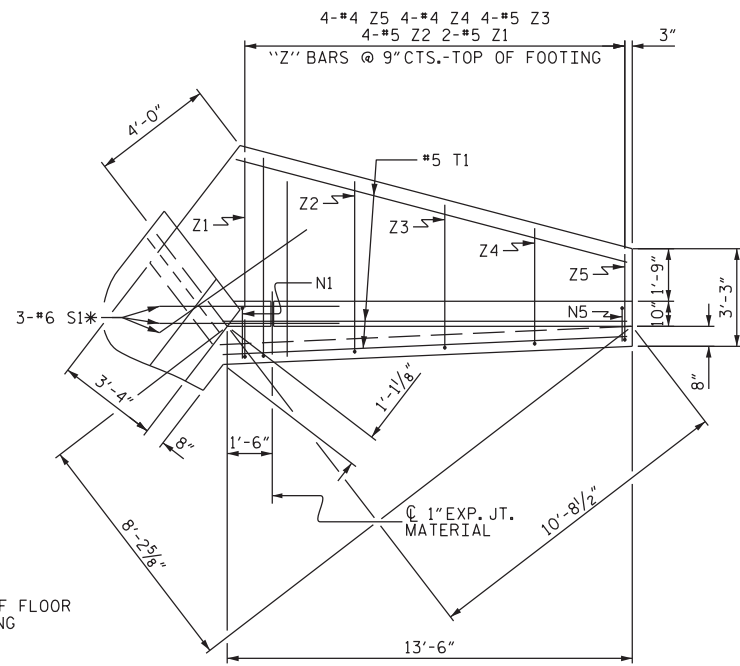
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

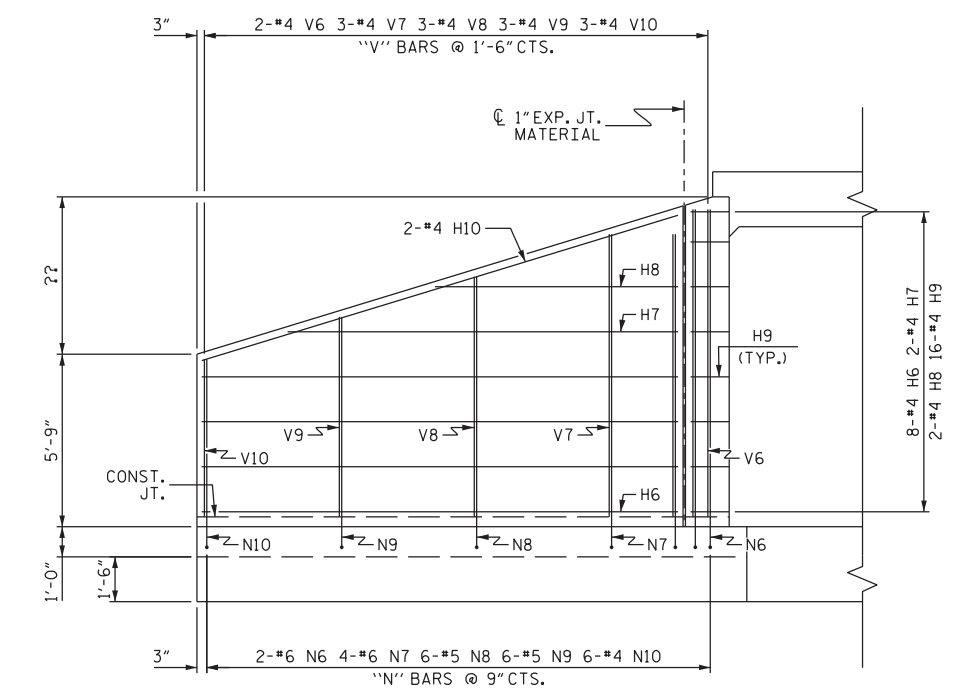
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CHECKED BY : -	DATE : -
DRAWN BY : CCJ 01/00	REV. 6/19 MAA/THC
CHECKED BY : RWW 03/00	



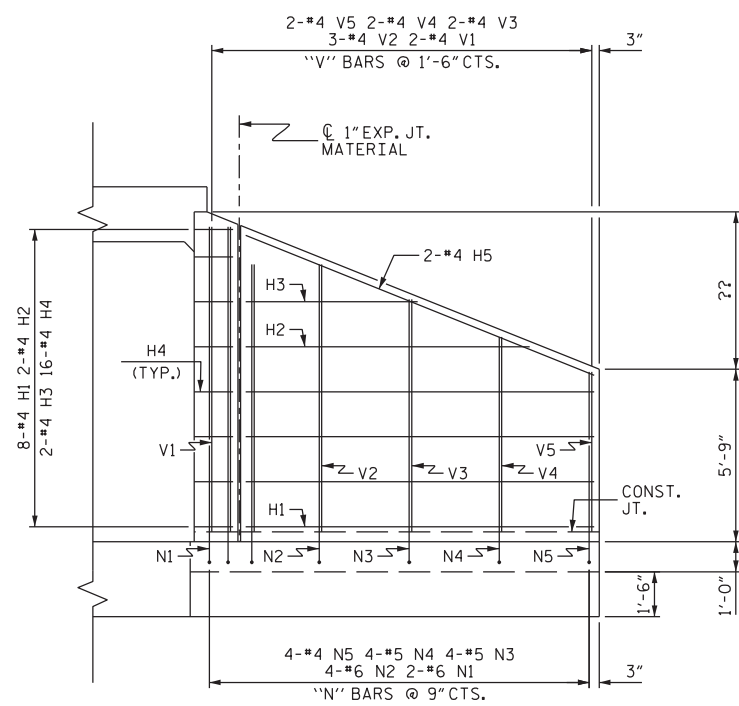
PLAN W1



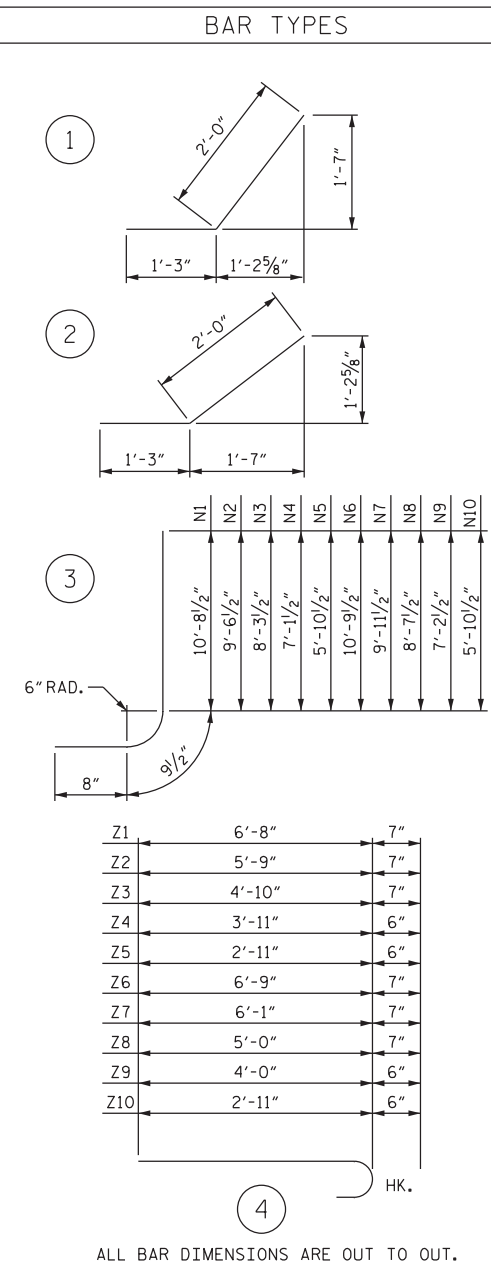
PLAN W2



ELEVATION W1



ELEVATION W2



TYPICAL WING SECTION

BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	16	#4	STR	11'-7"	124
H2	4	#4	STR	9'-5"	25
H3	4	#4	STR	5'-8"	15
H4	32	#4	1	3'-3"	69
H5	4	#4	STR	12'-6"	33
H6	16	#4	STR	15'-10"	169
H7	4	#4	STR	13'-0"	35
H8	4	#4	STR	8'-1"	22
H9	32	#4	2	3'-3"	69
H10	4	#4	STR	16'-7"	44
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V1	4	#4	STR	10'-2"	27
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V3	4	#4	STR	7'-9"	21
V4	4	#4	STR	6'-6"	17
V5	4	#4	STR	5'-4"	14
V6	4	#4	STR	10'-3"	27
V7	6	#4	STR	9'-5"	38
V8	6	#4	STR	8'-0"	32
V9	6	#4	STR	6'-8"	27
V10	6	#4	STR	5'-3"	21
Z1	4	#5	4	7'-3"	30
Z2	8	#5	4	6'-4"	53
Z3	8	#5	4	5'-5"	45
Z4	8	#4	4	4'-5"	24
Z5	8	#4	4	3'-5"	18
Z6	4	#5	4	7'-4"	31
Z7	8	#5	4	6'-8"	56
Z8	12	#5	4	5'-7"	70
Z9	12	#4	4	4'-6"	36
Z10	12	#4	4	3'-5"	27
REINFORCING STEEL FOR 4 WINGS					2459 LBS
CLASS A CONCRETE					32.8 CY
4 WINGS					CY
2 HEADWALLS					CY
2 END CURTAIN WALLS					CY
TOTAL					CY

PROJECT NO. _____ COUNTY _____
 STATION: _____
 SHEET _____ OF _____
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
STANDARD WINGS FOR CONCRETE BOX CULVERT
 H = 10'-0" SLOPE = 2:1
 105° SKEW

ASSEMBLED BY : -	DATE : -
CHECKED BY : -	DATE : -
DRAWN BY : CCJ 01/00	REV. 6/19 MAA/THC
CHECKED BY : RWW 03/00	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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