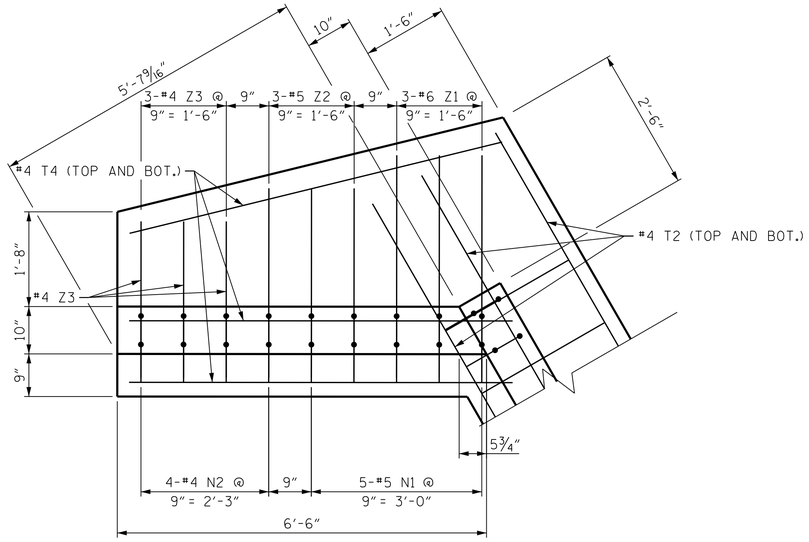
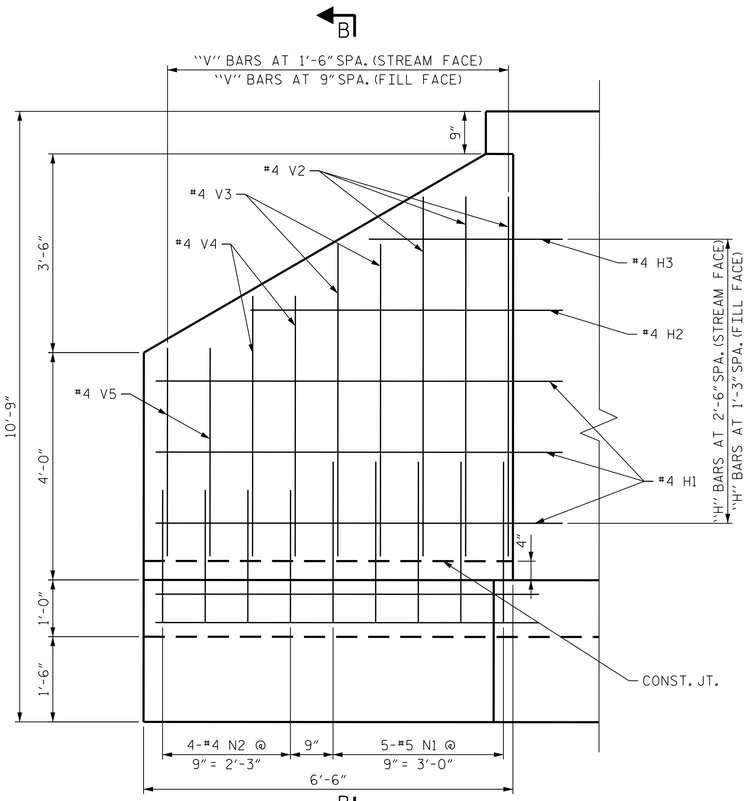
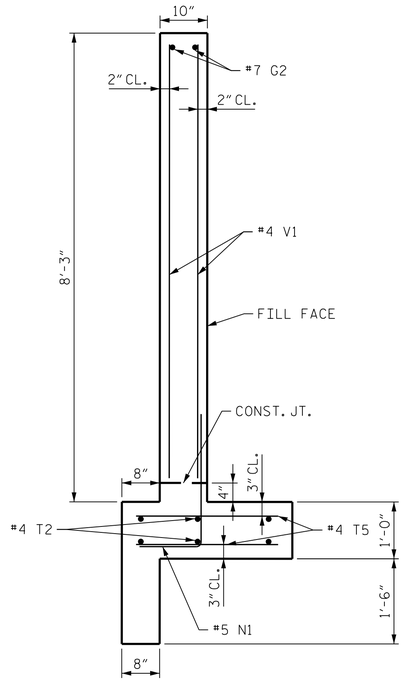


PLAN W1

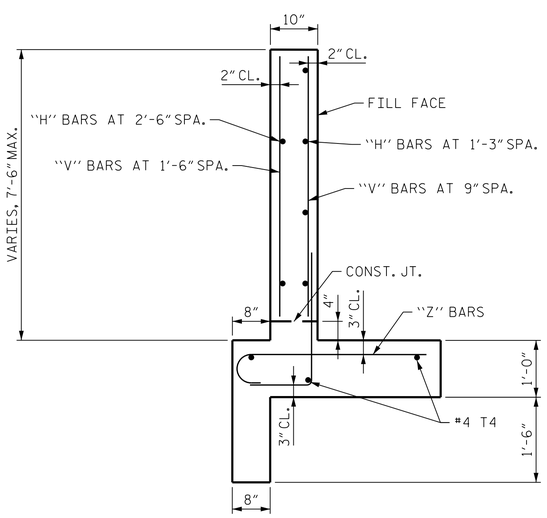


ELEVATION W1



SECTION A-A

(HEADWALL)



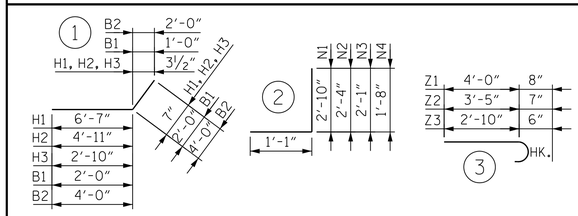
SECTION B-B

(WING)

NOTES

WING 1 SHOWN, WING 2 SIMILAR.

BAR TYPES



DIMENSIONS ARE OUT-TO-OUT

BILL OF MATERIALS

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#4	1	4'-0"	21
B2	8	#4	1	8'-0"	43
G2	2	#7	STR.	15'-2"	62
H1	10	#4	1	7'-2"	48
H2	2	#4	1	5'-6"	7
H3	4	#4	1	3'-5"	9
H4	2	#4	STR.	6'-8"	9
H5	2	#4	STR.	7'-4"	10
H6	2	#4	STR.	8'-1"	11
N1	21	#5	2	3'-11"	86
N2	8	#4	2	3'-5"	18
N3	3	#5	2	3'-2"	10
N4	2	#5	2	2'-9"	6
T2	6	#4	STR.	20'-2"	81
T4	6	#4	STR.	6'-9"	27
T5	62	#4	STR.	2'-6"	104
V1	18	#4	STR.	7'-9"	93
V2	10	#4	STR.	6'-4"	42
V3	6	#4	STR.	5'-6"	22
V4	6	#4	STR.	4'-7"	18
V5	6	#4	STR.	3'-8"	15
V6	4	#4	STR.	2'-11"	8
V7	4	#4	STR.	2'-0"	5
V8	4	#4	STR.	1'-7"	4
V9	3	#4	STR.	1'-2"	2
V10	13	#4	STR.	1'-0"	9
V11	2	#4	STR.	0'-9"	1
V12	3	#4	STR.	3'-5"	7
Z1	6	#6	3	4'-8"	42
Z2	6	#5	3	4'-0"	25
Z3	6	#4	3	3'-4"	13
REINFORCING STEEL					858 LBS.
CLASS "A" CONCRETE					10.0 C.Y.

PROJECT NO. R-5861

CHEROKEE COUNTY

STATION: 81+90.44 -L-

SHEET 3 OF 6

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SPECIAL HEADWALL EXTENSION
STR. 0908
WINGS, SECTIONS,
AND BILL OF MATERIALS

RK&K
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NORTH CAROLINA PROFESSIONAL SEAL 054077 ENGINEER PETER L. OARE
7/27/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-3
1			3			TOTAL SHEETS
2			4			6

DRAWN BY : A. J. WOLCOTT DATE : JUL 2023
CHECKED BY : P. L. OARE DATE : JUL 2023
DESIGN ENGINEER OF RECORD : P. L. OARE DATE : JUL 2023

tboyd
7/27/2023 R:\Structures\Headwalls\DGN\Final\R-5861_SMU_HW_S3.dgn