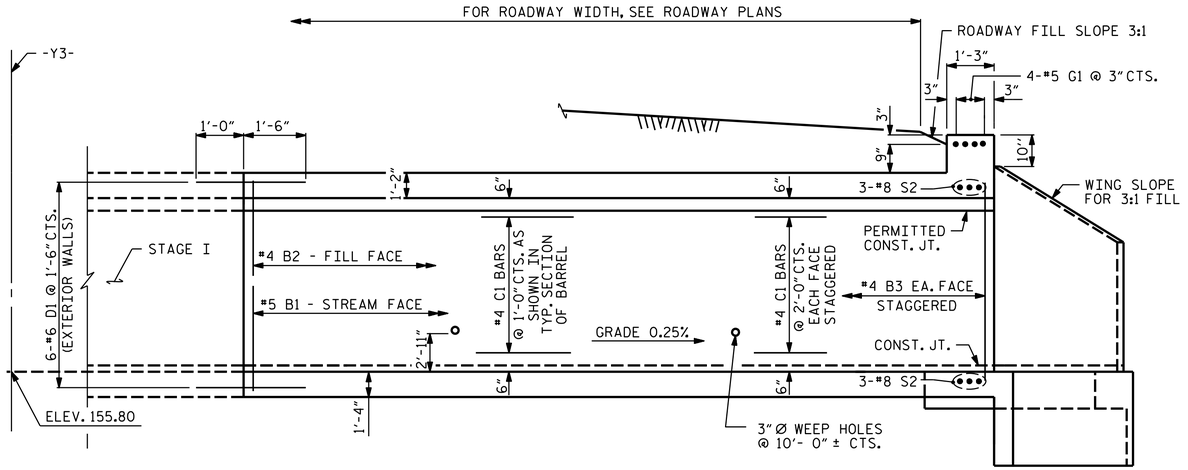
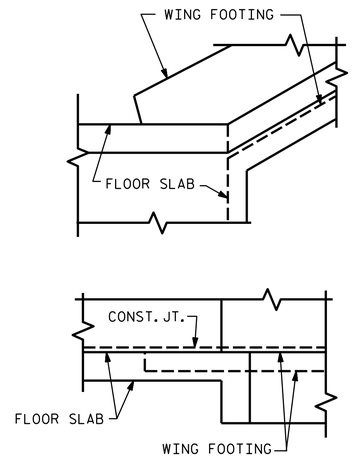


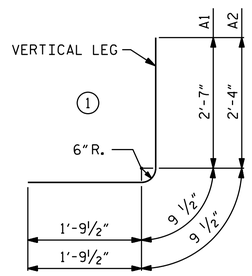
CULVERT SECTION NORMAL TO ROADWAY



DETAIL

CONNECTION OF WING FOOTING AND FLOOR SLAB WHEN SLAB IS THICKER THAN FOOTING

BAR TYPE



DIMENSIONS ARE OUT TO OUT

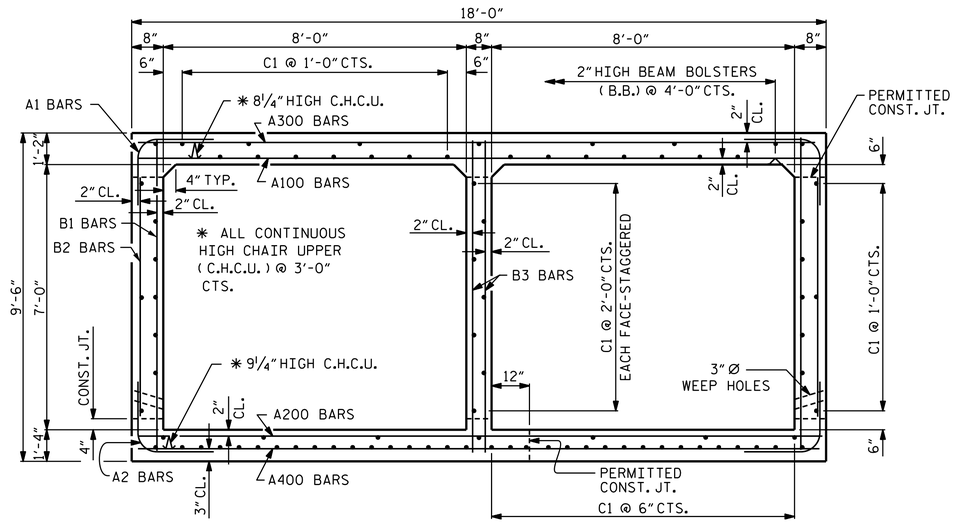
SPLICE LENGTHS CHART

BAR	SIZE	SPLICE LENGTH
C1	#4	1'-10"
A200	#5	3'-0"
A400	#6	2'-9"
S2	#8	3'-8"

BAR SCHEDULE

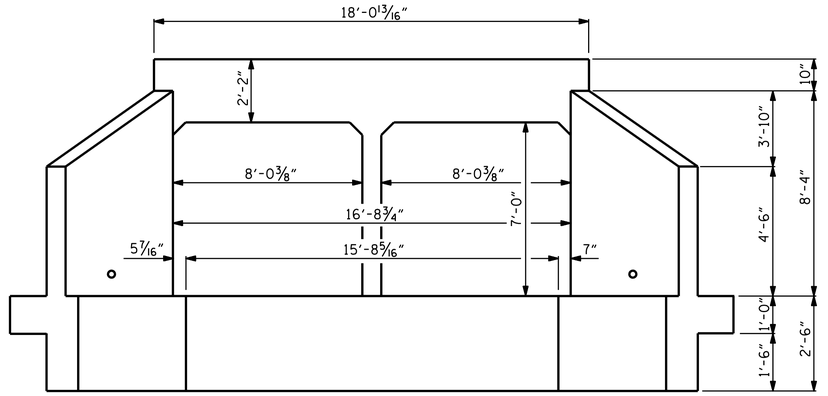
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A100	69	#5	STR	17'-7"	1265
A101	1	#5	STR	9'-4"	10
A200	69	#5	STR	17'-7"	1265
A201	1	#5	STR	9'-4"	10
A300	69	#6	STR	17'-7"	1822
A301	1	#6	STR	9'-4"	14
A400	69	#6	STR	17'-7"	1822
A401	1	#6	STR	9'-4"	14
A1	140	#4	1	5'-2"	483
A2	140	#4	1	4'-11"	460
B1	105	#5	STR	9'-1"	995
B2	140	#4	STR	6'-4"	592
B3	105	#4	STR	9'-1"	637
C1	174	#4	STR	27'-5"	3187
D1	36	#6	STR	2'-6"	135
D2	3	#6	STR	1'-11"	9
D3	3	#6	STR	2'-11"	13
G1	4	#5	STR	17'-7"	73
S2	6	#8	STR	17'-7"	282

REINFORCING STEEL 13,088 LBS



RIGHT ANGLE SECTION OF BARREL

THERE ARE 87 "C" IN SECTION OF BARREL.



OUTLET END ELEVATION

STAGE II QUANTITIES

CLASS A CONCRETE

BARREL	2.193 CY/FT	114.6	C.Y.
WINGS, ETC.		15.3	C.Y.
SILLS		0.9	C.Y.
TOTAL		130.8	C.Y.

REINFORCING STEEL

BARREL & SILLS	13,088	LBS.
WINGS, ETC.	930	LBS.
TOTAL	14,018	LBS.

CULVERT EXCAVATION	LUMP SUM	
FOUNDATION COND. MAT'L.	81	TONS

PROJECT NO. I-5987A

ROBESON COUNTY

STATION: 24+79.00 -Y3-

SHEET 6 OF 10

NORTH CAROLINA PROFESSIONAL SEAL 20125 ENGINEER MARSHALL G. CHEEK, JR.

5/10/2022 | 10:06 AM EDT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH STREET
SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DOUBLE 8 FT. X 7 FT. CONCRETE BOX CULVERT 95°-00'-00" SKEW STAGE II

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C14-6
1			3			TOTAL SHEETS
2			4			10

ASSEMBLED BY : STM DATE : 10/21
CHECKED BY : MGC DATE : 12/21

3/16/2022
X:\NCDOT\I-5987A\Structures\Site 14 - 24+79 -Y3-\FinalPlans\DGNs\417_011_I-5987A_Site 14_SMU_CU_006.dgn
User:smassinople

FILE NAME: 417_011_I-5987A_Site 14_SMU_CU_006.dgn

SITE 14