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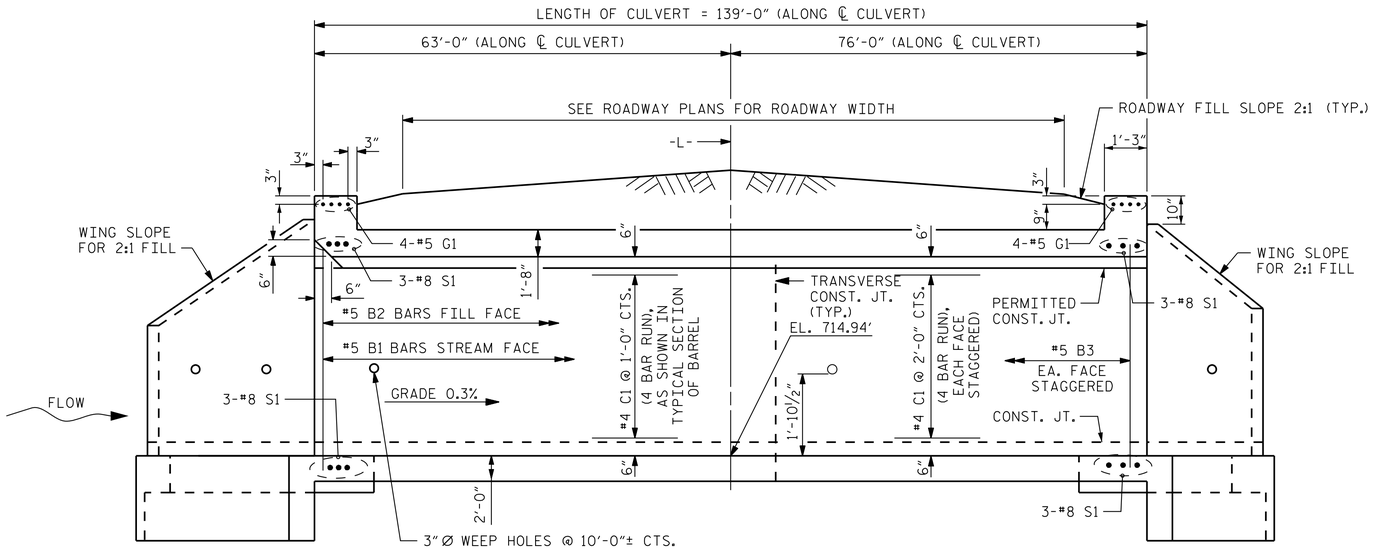
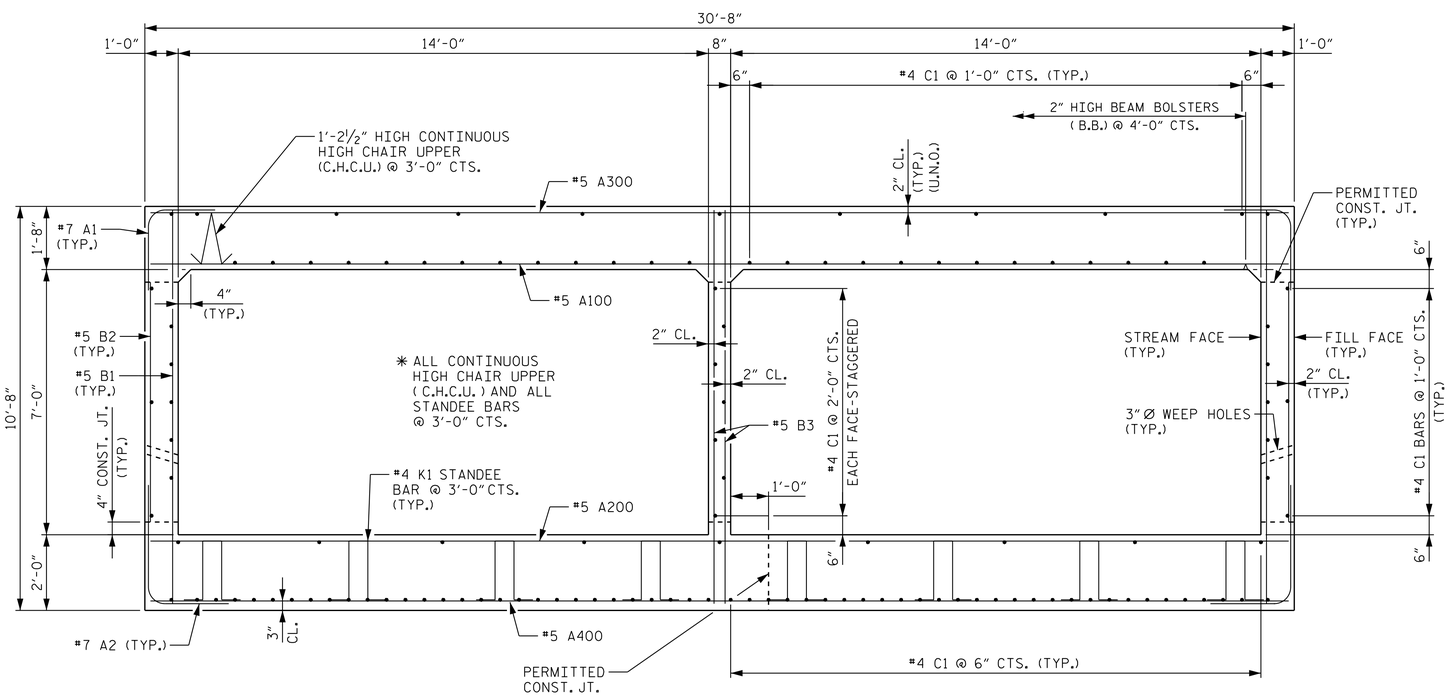


EXTERIOR WALL INTERIOR WALL

CULVERT SECTION NORMAL TO ROADWAY



RIGHT ANGLE SECTION OF BARREL

THERE ARE 127 "C" BARS IN SECTION OF BARREL

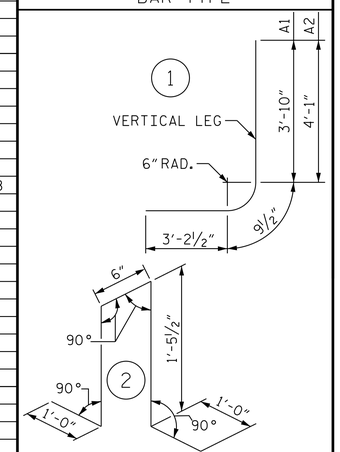
BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	554	7	1	7'-10"	8,870
A2	554	7	1	8'-1"	9,153
A100	243	5	STR	30'-4"	7,688
A101	2	5	STR	29'-6"	62
A102	2	5	STR	28'-8"	60
A103	2	5	STR	27'-9"	58
A104	2	5	STR	26'-11"	56
A105	2	5	STR	26'-1"	54
A106	2	5	STR	25'-2"	52
A107	2	5	STR	24'-4"	51
A108	2	5	STR	23'-5"	49
A109	2	5	STR	22'-7"	47
A110	2	5	STR	21'-9"	45
A111	2	5	STR	20'-10"	43
A112	2	5	STR	20'-0"	42
A113	2	5	STR	19'-1"	40
A114	2	5	STR	18'-3"	38
A115	2	5	STR	17'-5"	36
A116	2	5	STR	16'-6"	34
A117	2	5	STR	15'-8"	33
A118	2	5	STR	14'-10"	31
A119	2	5	STR	13'-11"	29
A120	2	5	STR	13'-1"	27
A121	2	5	STR	12'-2"	25
A122	2	5	STR	11'-4"	24
A123	2	5	STR	10'-6"	22
A124	2	5	STR	9'-7"	20
A125	2	5	STR	8'-9"	18
A126	2	5	STR	7'-10"	16
A127	2	5	STR	7'-0"	15
A128	2	5	STR	6'-2"	13
A129	2	5	STR	5'-3"	11
A130	2	5	STR	4'-5"	9
A131	2	5	STR	3'-6"	7
A132	2	5	STR	2'-8"	6
A133	2	5	STR	1'-10"	4
A200	243	5	STR	30'-4"	7,688
A201	2	5	STR	29'-6"	62
A202	2	5	STR	28'-8"	60
A203	2	5	STR	27'-9"	58
A204	2	5	STR	26'-11"	56
A205	2	5	STR	26'-1"	54
A206	2	5	STR	25'-2"	52
A207	2	5	STR	24'-4"	51
A208	2	5	STR	23'-5"	49
A209	2	5	STR	22'-7"	47
A210	2	5	STR	21'-9"	45
A211	2	5	STR	20'-10"	43
A212	2	5	STR	20'-0"	42
A213	2	5	STR	19'-1"	40
A214	2	5	STR	18'-3"	38
A215	2	5	STR	17'-5"	36
A216	2	5	STR	16'-6"	34
A217	2	5	STR	15'-8"	33
A218	2	5	STR	14'-10"	31
A219	2	5	STR	13'-11"	29
A220	2	5	STR	13'-1"	27
A221	2	5	STR	12'-2"	25
A222	2	5	STR	11'-4"	24
A223	2	5	STR	10'-6"	22

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A224	2	5	STR	9'-7"	20
A225	2	5	STR	8'-9"	18
A226	2	5	STR	7'-10"	16
A227	2	5	STR	7'-0"	15
A228	2	5	STR	6'-2"	13
A229	2	5	STR	5'-3"	11
A230	2	5	STR	4'-5"	9
A231	2	5	STR	3'-6"	7
A232	2	5	STR	2'-8"	6
A233	2	5	STR	1'-10"	4
A300	243	5	STR	30'-4"	7,688
A301	2	5	STR	29'-6"	62
A302	2	5	STR	28'-8"	60
A303	2	5	STR	27'-9"	58
A304	2	5	STR	26'-11"	56
A305	2	5	STR	26'-1"	54
A306	2	5	STR	25'-2"	52
A307	2	5	STR	24'-4"	51
A308	2	5	STR	23'-5"	49
A309	2	5	STR	22'-7"	47
A310	2	5	STR	21'-9"	45
A311	2	5	STR	20'-10"	43
A312	2	5	STR	20'-0"	42
A313	2	5	STR	19'-1"	40
A314	2	5	STR	18'-3"	38
A315	2	5	STR	17'-5"	36
A316	2	5	STR	16'-6"	34
A317	2	5	STR	15'-8"	33
A318	2	5	STR	14'-10"	31
A319	2	5	STR	13'-11"	29
A320	2	5	STR	13'-1"	27
A321	2	5	STR	12'-2"	25
A322	2	5	STR	11'-4"	24
A323	2	5	STR	10'-6"	22
A324	2	5	STR	9'-7"	20
A325	2	5	STR	8'-9"	18
A326	2	5	STR	7'-10"	16
A327	2	5	STR	7'-0"	15
A328	2	5	STR	6'-2"	13
A329	2	5	STR	5'-3"	11
A330	2	5	STR	4'-5"	9
A331	2	5	STR	3'-6"	7
A332	2	5	STR	2'-8"	6
A333	2	5	STR	1'-10"	4
A400	243	5	STR	30'-4"	7,688
A401	2	5	STR	29'-6"	62
A402	2	5	STR	28'-8"	60
A403	2	5	STR	27'-9"	58
A404	2	5	STR	26'-11"	56
A405	2	5	STR	26'-1"	54
A406	2	5	STR	25'-2"	52
A407	2	5	STR	24'-4"	51
A408	2	5	STR	23'-5"	49
A409	2	5	STR	22'-7"	47
A410	2	5	STR	21'-9"	45
A411	2	5	STR	20'-10"	43
A412	2	5	STR	20'-0"	42
A413	2	5	STR	19'-1"	40
A414	2	5	STR	18'-3"	38
A415	2	5	STR	17'-5"	36

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A416	2	5	STR	16'-6"	34
A417	2	5	STR	15'-8"	33
A418	2	5	STR	14'-10"	31
A419	2	5	STR	13'-11"	29
A420	2	5	STR	13'-1"	27
A421	2	5	STR	12'-2"	25
A422	2	5	STR	11'-4"	24
A423	2	5	STR	10'-6"	22
A424	2	5	STR	9'-7"	20
A425	2	5	STR	8'-9"	18
A426	2	5	STR	7'-10"	16
A427	2	5	STR	7'-0"	15
A428	2	5	STR	6'-2"	13
A429	2	5	STR	5'-3"	11
A430	2	5	STR	4'-5"	9
A431	2	5	STR	3'-6"	7
A432	2	5	STR	2'-8"	6
A433	2	5	STR	1'-10"	4
B1	554	5	STR	10'-3"	5,923
B2	554	5	STR	6'-4"	3,660
B3	278	5	STR	10'-3"	2,972
C1	508	4	STR	36'-6"	12,386
D1	24	6	STR	2'-7"	93
D2	24	6	STR	3'-1"	111
D3	14	6	STR	3'-7"	75
G1	8	5	STR	35'-0"	292
K1	474	4	2	5'-5"	1715
S1	12	8	STR	35'-0"	1,121
REINFORCING STEEL				LBS.	81,431

BAR TYPE



ALL BAR DIMENSIONS ARE OUT TO OUT.

BAR SIZE	SPLICE LENGTH
#4 B1 & B3	1'-10"
#4 C1	2'-5"
#5 A200	3'-0"
#5 A400	2'-4"

PROJECT NO. U-6105

MECKLENBURG COUNTY

STATION: 22+01.71 -L-

SHEET 3 OF 8

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DOUBLE 14 FT. X 7 FT. CONCRETE BOX CULVERT 116°-39'-05" SKEW

NORTH CAROLINA PROFESSIONAL SEAL 040769 ENGINEER ANDREW L. PHILLIPS
DocuSigned by: Andrew L. Phillips
11/6/2025

Kimley»Horn
421 Fayetteville Street, Suite 600
Raleigh, NC 27601-1772
Phone (919) 677-2000
NC LICENSE # F-0102

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REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			C2-3
1			3					TOTAL SHEETS
2			4					8

DRAWN BY: D. D. LOWERY DATE: 05/2024
CHECKED BY: B. M. KROL DATE: 05/2024
DESIGN ENGINEER OF RECORD: A. L. PHILLIPS DATE: 05/2024

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11/6/2025