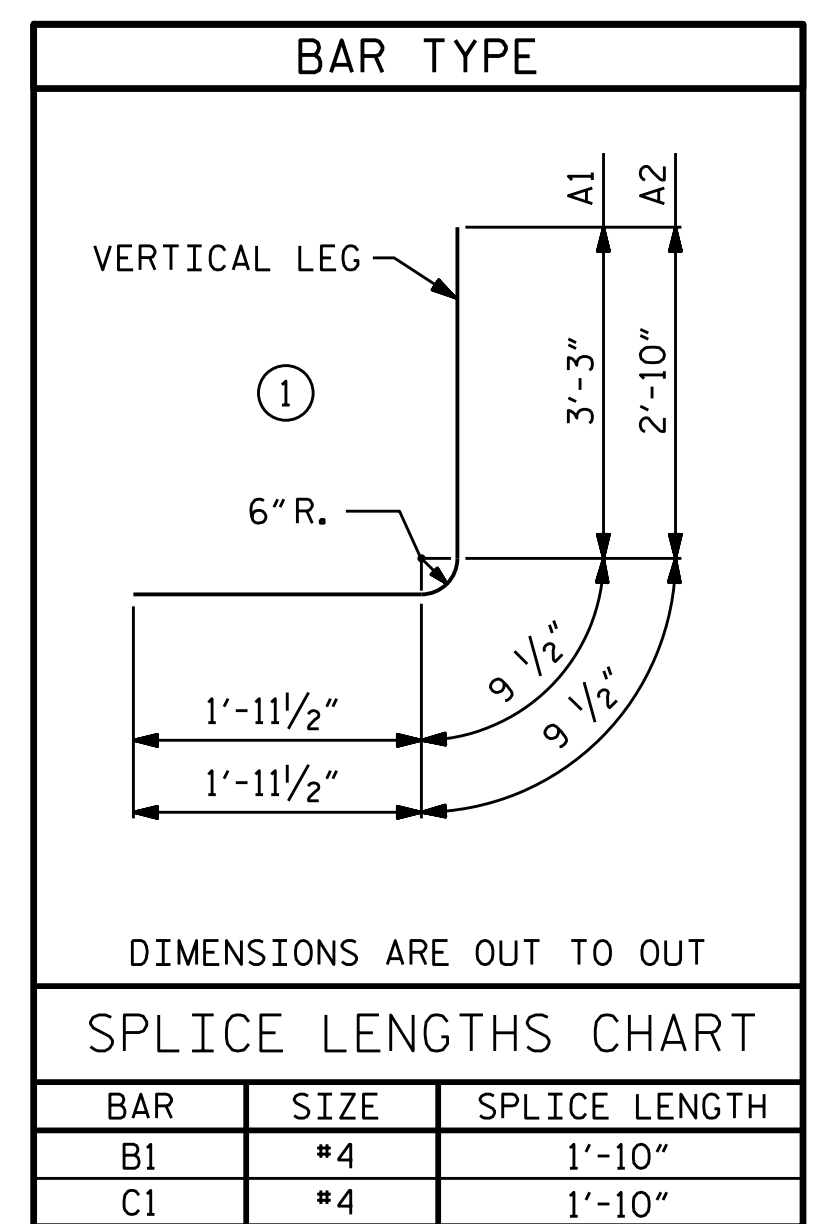


CULVERT SECTION NORMAL TO ROADWAY



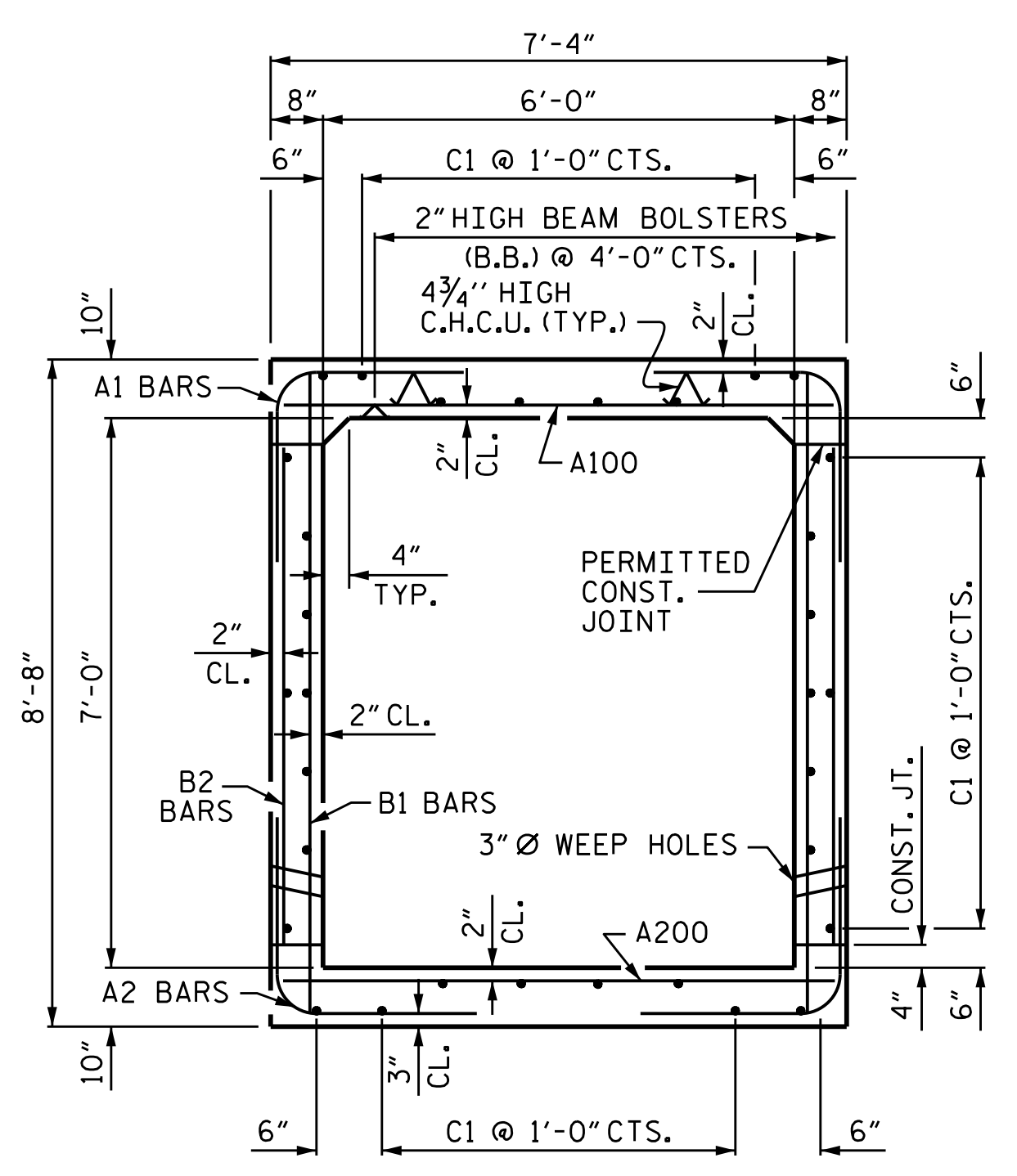
STAGE 3 (LEFT) BAR SCHEDULE

| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
|------|-----|------|------|---------|--------|
| A100 | 233 | #4 | STR | 6'-11" | 1077 |
| A101 | 1 | #4 | STR | 5'-9" | 4 |
| A102 | 1 | #4 | STR | 3'-6" | 2 |
| A200 | 155 | #5 | STR | 6'-11" | 1118 |
| A201 | 1 | #5 | STR | 5'-4" | 6 |
| A202 | 1 | #5 | STR | 2'-5" | 3 |
| A1 | 235 | #5 | 1 | 6'-0" | 1471 |
| A2 | 235 | #5 | 1 | 5'-7" | 1369 |
| B1 | 157 | #5 | STR | 8'-1" | 1324 |
| B2 | 235 | #4 | STR | 6'-4" | 994 |
| C1 | 128 | #4 | STR | 30'-10" | 2636 |
| D1 | 44 | #6 | STR | 2'-6" | 165 |
| E2 | 16 | #5 | STR | 4'-8" | 78 |
| E3 | 16 | #5 | STR | 5'-2" | 86 |
| S2 | 6 | #8 | STR | 7'-2" | 115 |

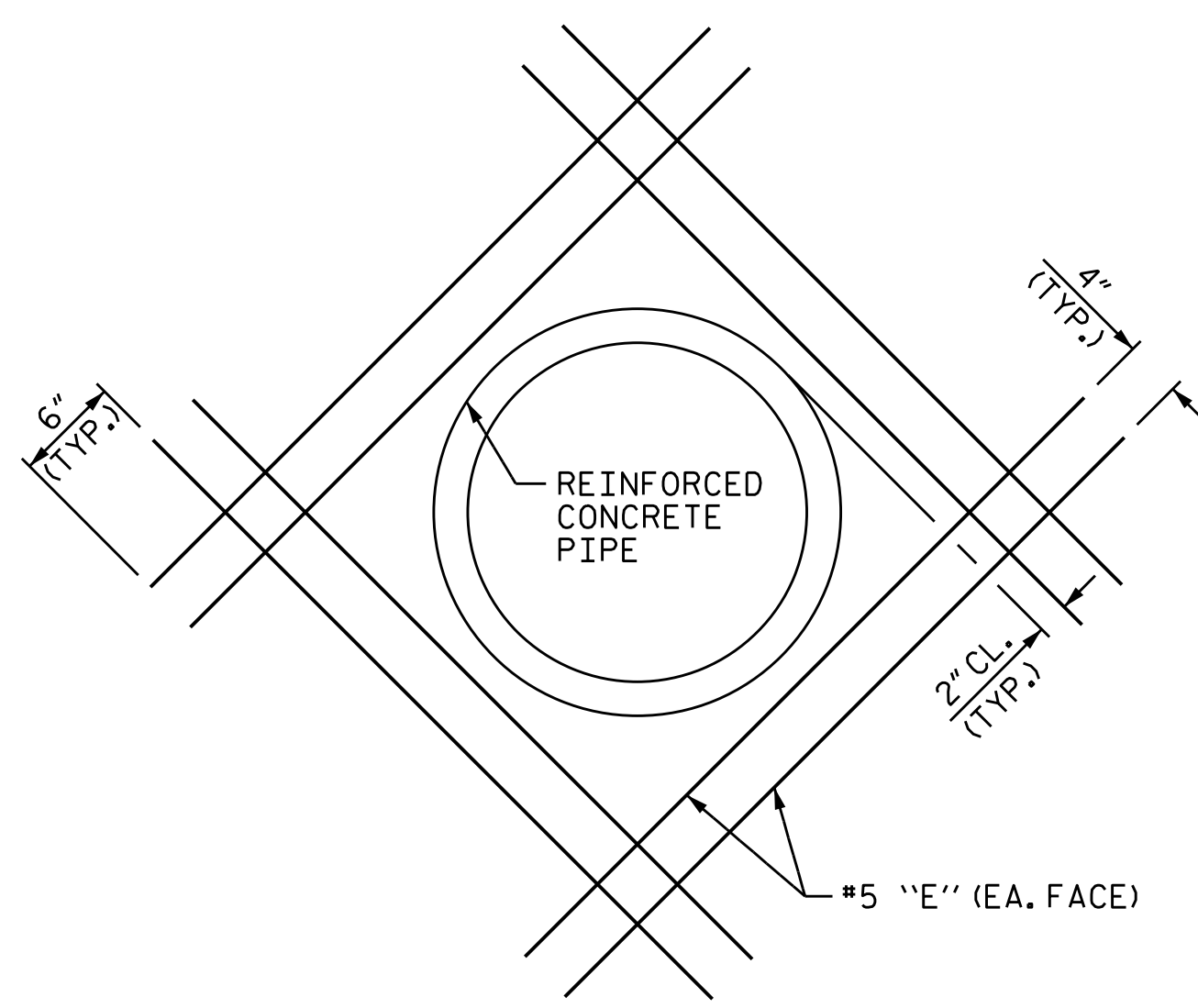
REINFORCING STEEL 10,448 LBS

STAGE 3 (LEFT) QUANTITIES

| | |
|-----------------------------|-------------|
| CLASS A CONCRETE | |
| BARREL @ 0.802 CY/FT | 94.1 C.Y. |
| EDGE BEAMS | 0.6 C.Y. |
| TOTAL | 94.7 C.Y. |
| REINFORCING STEEL | |
| BARREL | 10,448 LBS. |
| TOTAL | 10,448 LBS. |
| CULVERT EXCAVATION | LUMP SUM |
| FOUNDATION COND. MAT'L. | 94 TONS |
| FOUNDATION COND. GEOTEXTILE | 340 S.Y. |



RIGHT ANGLE SECTION OF BARREL
THERE ARE 32 C1 IN SECTION OF BARREL



DETAIL A
THE PIPES THROUGH THE WALL OF THE CULVERT WILL BE LOCATED BY THE ENGINEER.
REINFORCING STEEL MAY BE FIELD CUT & FIELD BENT AS NECESSARY TO CLEAR THE PIPE.

PROJECT NO. I-5987B
ROBESON COUNTY
STATION: 708+48.43 -L-

SHEET 15 OF 20

4/12/2022 | 10:44 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

SINGLE 6 FT. X 7 FT. CONCRETE BOX CULVERT STAGE 3 (LEFT)

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | C16-15 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 20 |

DRAWN BY: STM DATE: 10/21
CHECKED BY: MGC DATE: 03/22
DESIGN ENGINEER OF RECORD: STM DATE: 03/22