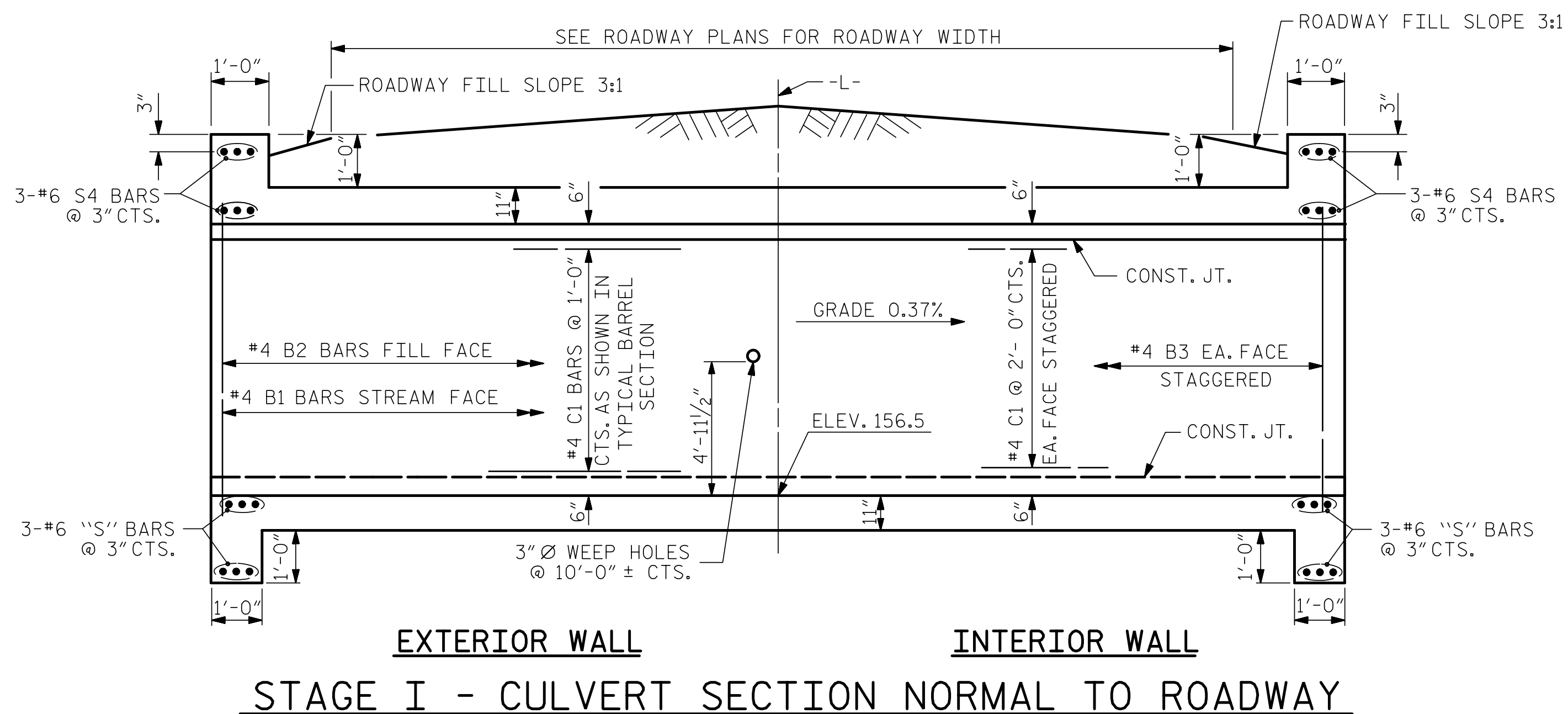


RIGHT ANGLE SECTION OF BARREL

THERE ARE 72 "C" BARS IN SECTION OF BARREL.
(LOOKING DOWNSTREAM)



EXTERIOR WALL INTERIOR WALL
STAGE I - CULVERT SECTION NORMAL TO ROADWAY

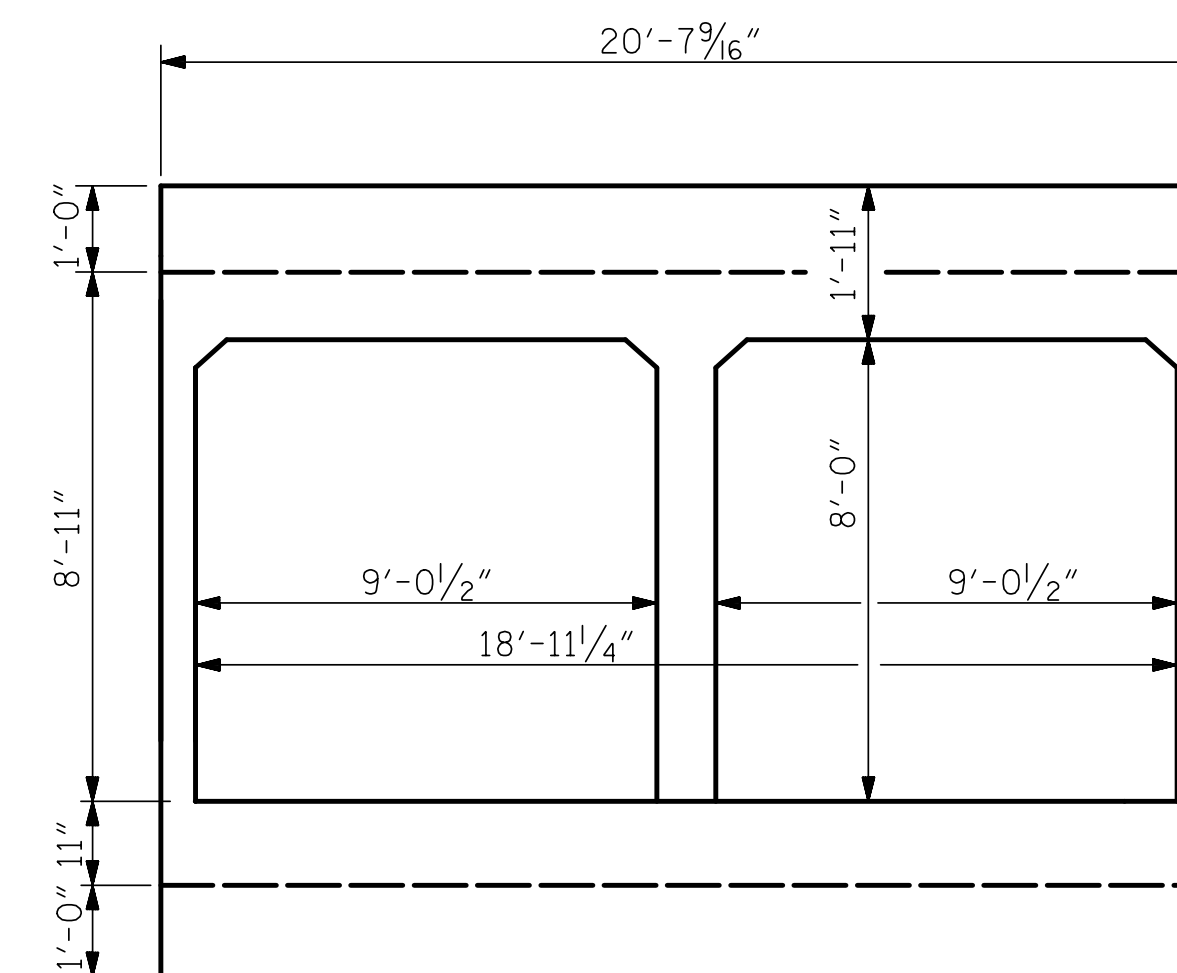
DRAWN BY : ZCS DATE : 9/21
CHECKED BY : MGC DATE : 10/21
DESIGN ENGINEER OF RECORD: ZCS DATE : 10/21

STAGE I BAR SCHEDULE

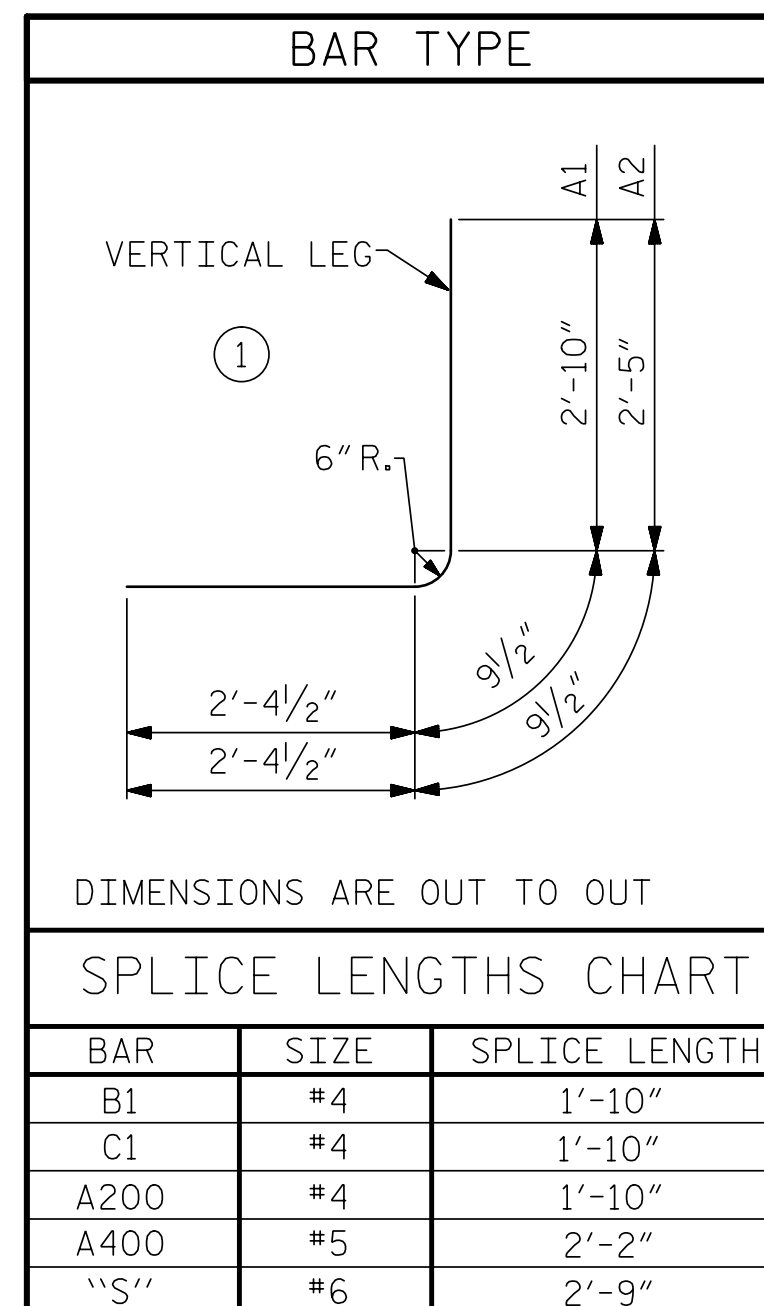
| BAR NO. | SIZE | TYPE | LENGTH | WEIGHT | BAR NO. | SIZE | TYPE | LENGTH | WEIGHT | BAR NO. | SIZE | TYPE | LENGTH | WEIGHT | BAR NO. | SIZE | TYPE | LENGTH | WEIGHT | | | | | |
|---------|------|------|--------|---------|---------|------|------|--------|--------|---------|------|------|--------|--------|---------|--------|------|--------|-------------------|----|------------|--------|------|--|
| A100 | 139 | #4 | STR | 17'-11" | 1664 | A250 | 147 | #4 | STR | 7'-6" | 736 | A400 | 164 | #5 | STR | 12'-8" | 2167 | A1 | 350 | #4 | 1 | 6'-0" | 1403 | |
| A101 | 2 | #4 | STR | 17'-11" | 23 | A251 | 1 | #4 | STR | 7'-0" | 5 | A401 | 1 | #5 | STR | 11'-9" | 12 | A2 | 554 | #4 | 1 | 5'-7" | 2066 | |
| A102 | 2 | #4 | STR | 15'-10" | 21 | A252 | 1 | #4 | STR | 5'-9" | 4 | A402 | 1 | #5 | STR | 10'-8" | 11 | | | | | | | |
| A103 | 2 | #4 | STR | 14'-7" | 19 | A253 | 1 | #4 | STR | 4'-9" | 3 | A403 | 1 | #5 | STR | 9'-7" | 10 | B1 | 204 | #4 | STR | 9'-4" | 1272 | |
| A104 | 2 | #4 | STR | 13'-4" | 18 | A254 | 1 | #4 | STR | 3'-2" | 2 | A404 | 1 | #5 | STR | 8'-5" | 9 | B2 | 350 | #4 | STR | 7'-4" | 1715 | |
| A105 | 2 | #4 | STR | 12'-0" | 16 | A255 | 1 | #4 | STR | 6'-9" | 5 | A405 | 1 | #5 | STR | 7'-4" | 8 | B3 | 204 | #4 | STR | 9'-4" | 1272 | |
| A106 | 2 | #4 | STR | 10'-9" | 14 | A256 | 1 | #4 | STR | 5'-6" | 4 | A406 | 1 | #5 | STR | 6'-3" | 7 | | | | | | | |
| A107 | 2 | #4 | STR | 9'-6" | 13 | A257 | 1 | #4 | STR | 4'-3" | 3 | A407 | 1 | #5 | STR | 5'-1" | 5 | C1 | 216 | #4 | STR | 35'-3" | 5086 | |
| A108 | 2 | #4 | STR | 8'-3" | 11 | A258 | 1 | #4 | STR | 3'-0" | 2 | A408 | 1 | #5 | STR | 4'-0" | 4 | | | | | | | |
| A109 | 2 | #4 | STR | 7'-0" | 9 | | | | | | | A409 | 1 | #5 | STR | 2'-11" | 3 | S2 | 12 | #6 | STR | 14'-7" | 263 | |
| A110 | 2 | #4 | STR | 5'-9" | 8 | A300 | 159 | #5 | STR | 17'-11" | 2971 | A410 | 1 | #5 | STR | 11'-7" | 12 | S3 | 12 | #6 | STR | 8'-5" | 152 | |
| A111 | 2 | #4 | STR | 4'-5" | 6 | A301 | 2 | #5 | STR | 17'-1" | 36 | A411 | 1 | #5 | STR | 10'-5" | 11 | S4 | 12 | #6 | STR | 20'-3" | 365 | |
| A112 | 2 | #4 | STR | 3'-2" | 4 | A302 | 2 | #5 | STR | 16'-0" | 33 | A412 | 1 | #5 | STR | 9'-4" | 10 | | | | | | | |
| | | | | | | A303 | 2 | #5 | STR | 14'-11" | 31 | A413 | 1 | #5 | STR | 8'-3" | 9 | | | | | | | |
| A200 | 143 | #4 | STR | 12'-5" | 1186 | A304 | 2 | #5 | STR | 13'-9" | 29 | A414 | 1 | #5 | STR | 7'-2" | 7 | | | | | | | |
| A201 | 1 | #4 | STR | 11'-5" | 8 | A305 | 2 | #5 | STR | 12'-8" | 26 | A415 | 1 | #5 | STR | 6'-0" | 6 | | | | | | | |
| A202 | 1 | #4 | STR | 10'-2" | 7 | A306 | 2 | #5 | STR | 11'-7" | 24 | A416 | 1 | #5 | STR | 4'-11" | 5 | | | | | | | |
| A203 | 1 | #4 | STR | 8'-11" | 6 | A307 | 2 | #5 | STR | 10'-5" | 22 | A417 | 1 | #5 | STR | 3'-10" | 4 | | | | | | | |
| A204 | 1 | #4 | STR | 7'-8" | 5 | A308 | 2 | #5 | STR | 9'-4" | 19 | A418 | 1 | #5 | STR | 2'-9" | 3 | | | | | | | |
| A205 | 1 | #4 | STR | 6'-4" | 4 | A309 | 2 | #5 | STR | 8'-3" | 17 | | | | | | | | | | | | | |
| A206 | 1 | #4 | STR | 5'-1" | 3 | A310 | 2 | #5 | STR | 7'-2" | 15 | A450 | 168 | #5 | STR | 7'-6" | 1314 | | | | | | | |
| A207 | 1 | #4 | STR | 3'-10" | 3 | A311 | 2 | #5 | STR | 6'-0" | 13 | A451 | 1 | #5 | STR | 7'-2" | 7 | | | | | | | |
| A208 | 1 | #4 | STR | 2'-7" | 2 | A312 | 2 | #5 | STR | 4'-11" | 10 | A452 | 1 | #5 | STR | 6'-0" | 6 | | | | | | | |
| A209 | 1 | #4 | STR | 12'-0" | 8 | A313 | 2 | #5 | STR | 3'-10" | 8 | A453 | 1 | #5 | STR | 4'-11" | 5 | | | | | | | |
| A210 | 1 | #4 | STR | 10'-9" | 7 | A314 | 2 | #5 | STR | 2'-9" | 6 | A454 | 1 | #5 | STR | 3'-10" | 4 | | | | | | | |
| A211 | 1 | #4 | STR | 9'-6" | 6 | | | | | | | A455 | 1 | #5 | STR | 2'-9" | 3 | | | | | | | |
| A212 | 1 | #4 | STR | 8'-3" | 6 | | | | | | | A456 | 1 | #5 | STR | 6'-9" | 7 | | | | | | | |
| A213 | 1 | #4 | STR | 7'-0" | 5 | | | | | | | A457 | 1 | #5 | STR | 5'-8" | 6 | | | | | | | |
| A214 | 1 | #4 | STR | 5'-9" | 5 | | | | | | | A458 | 1 | #5 | STR | 4'-7" | 5 | | | | | | | |
| A215 | 1 | #4 | STR | 4'-5" | 3 | | | | | | | A459 | 1 | #5 | STR | 3'-5" | 4 | | | | | | | |
| A216 | 1 | #4 | STR | 3'-2" | 2 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | REINFORCING STEEL | | 24,373 LBS | | | |

STAGE I QUANTITIES

| | |
|--|-------------|
| CLASS A CONCRETE | |
| BARREL @ 1.91 CY/FT | 195.3 C.Y. |
| 4 EDGE BEAMS | 3.1 C.Y. |
| TOTAL | 198.4 C.Y. |
| REINFORCING STEEL | |
| BARREL | 24,373 LBS. |
| TOTAL | 24,373 LBS. |
| CULVERT EXCAVATION LUMP SUM | |
| FOUNDATION COND. MAT'L. 160 TONS | |
| FOUNDATION COND. GEOTEXTILE 530 SQ. YDS. | |

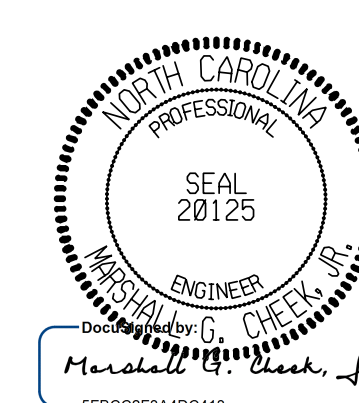


END ELEVATION NORMAL TO SKEW



PROJECT NO. I-5987B
ROBESON COUNTY
STATION: 677+13.20 -L-

SHEET 3 OF 13



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
**DOUBLE 8 FT. X 8 FT.
CONCRETE BOX CULVERT
STAGE I**

| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | | | |
|---|-----|-------|-----|-----|-------|
| REVISIONS | | | | | |
| NO. | BY: | DATE: | NO. | BY: | DATE: |
| 1 | | | 3 | | |
| 2 | | | 4 | | |

| SHEET NO. | |
|--------------|--|
| C15-3 | |
| TOTAL SHEETS | |
| 13 | |