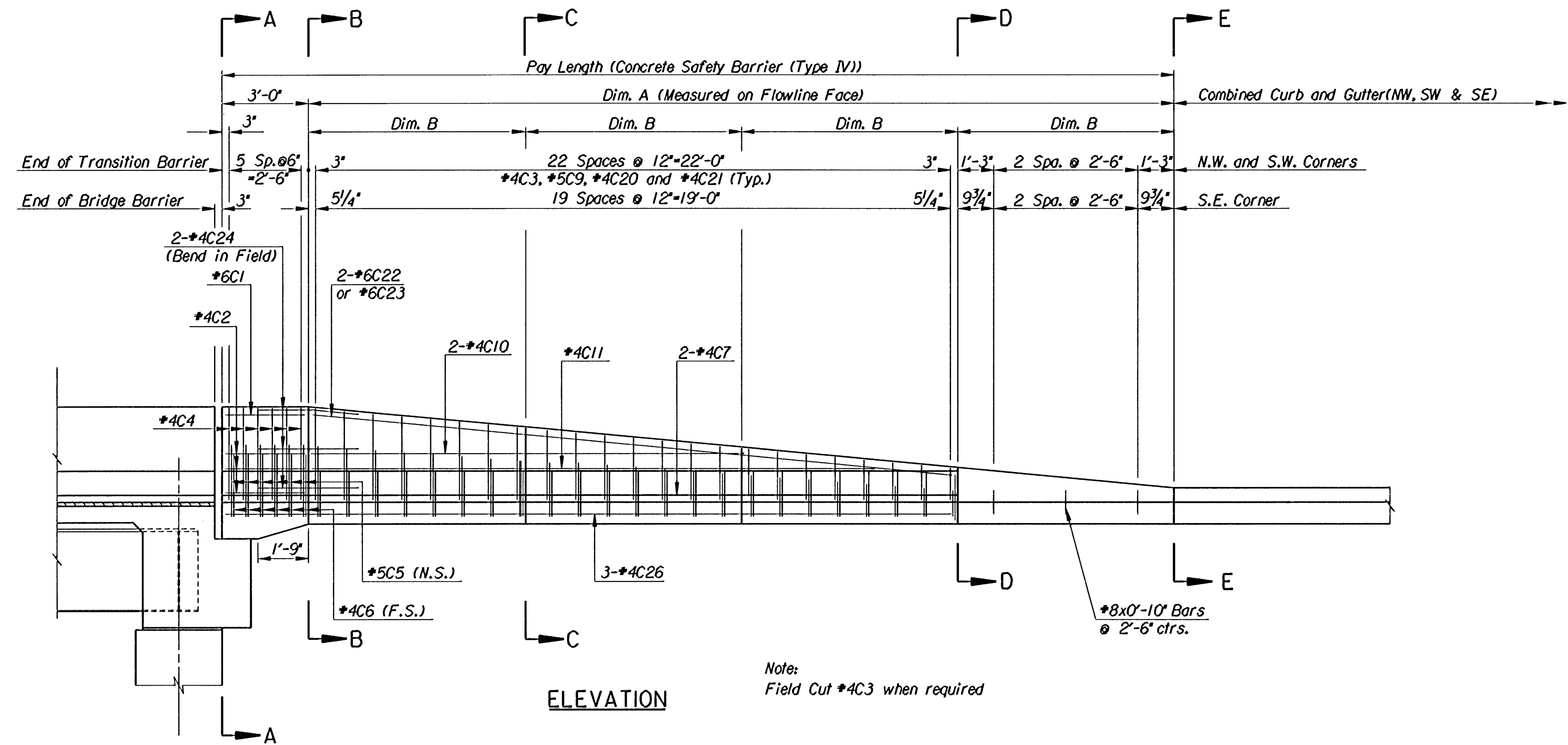
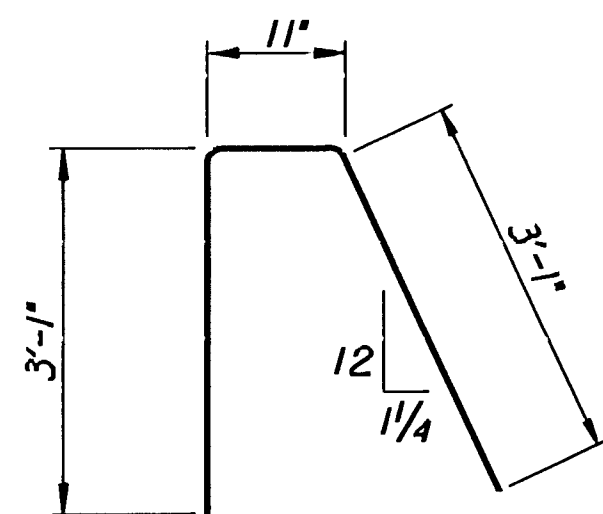


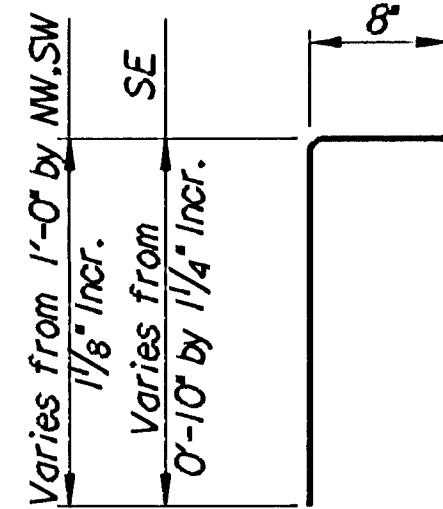
PLAN



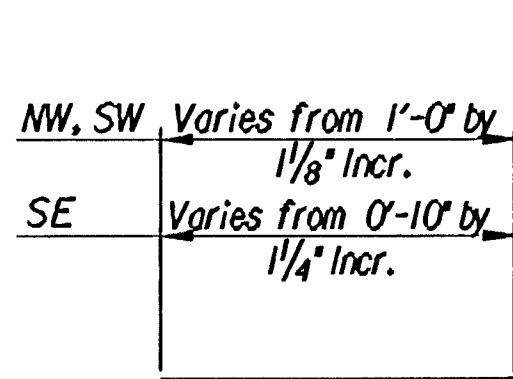
ELEVATION



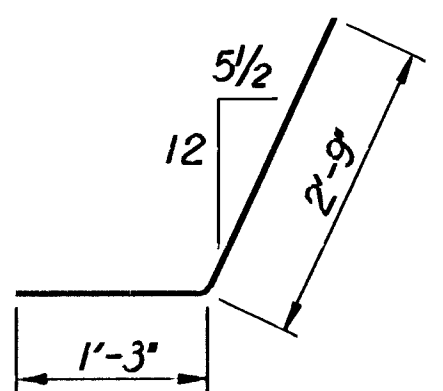
C4



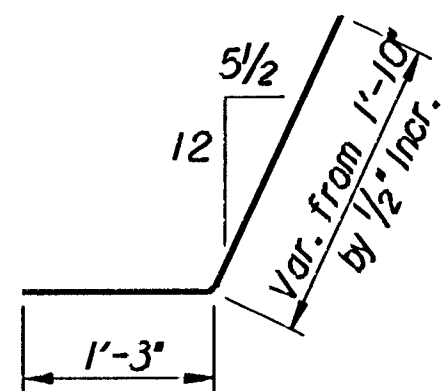
C21



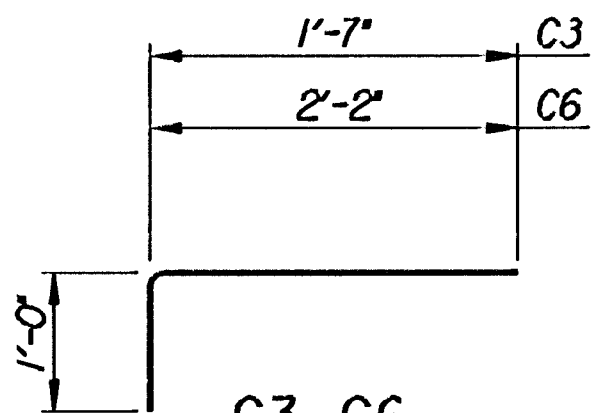
C20



C5



C9



C3, C6

BENDING DIAGRAMS  
Dimensions are out to out of bars

See Sh.No.C26 for Barrier Sections & Notes.

| BILL OF MATERIALS             |     |      |             |           |     |      |        |
|-------------------------------|-----|------|-------------|-----------|-----|------|--------|
| REINFORCING STEEL - NW CORNER |     |      |             |           |     |      |        |
| Straight Bars                 |     |      |             | Bent Bars |     |      |        |
| Mark                          | No. | Size | Length      | Mark      | No. | Size | Length |
| C1                            | 2   | 6    | 2'-8"       | C3        | 23  | 4    | 2'-7"  |
| C2                            | 5   | 4    | 2'-8"       | C4        | 6   | 4    | 7'-1"  |
| C7                            | 2   | 4    | 25'-2"      | C5        | 6   | 5    | 4'-0"  |
| C10                           | 2   | 4    | 15'-6"      | C6        | 6   | 4    | 3'-2"  |
| C11                           | 1   | 4    | 22'-6"      | C9        | 23  | 5    | Varies |
|                               |     |      |             | C21       | 23  | 4    | Varies |
| C20                           | 23  | 4    | Varies      |           |     |      |        |
| C24                           | 6   | 4    | 3'-6"       |           |     |      |        |
| C25                           | 29  | 4    | 3'-2"       |           |     |      |        |
| C26                           | 3   | 4    | 25'-2"      |           |     |      |        |
| C22                           | 2   | 6    | 22'-4"      |           |     |      |        |
| * SUMMARY OF QUANTITIES       |     |      |             |           |     |      |        |
| Class AAA Concrete (AE)       |     |      | 3.3 Cu.Yds. |           |     |      |        |
| Reinforcing Steel (Gr.60)     |     |      | 505 Lbs.    |           |     |      |        |

| BILL OF MATERIALS             |     |      |             |           |     |      |        |
|-------------------------------|-----|------|-------------|-----------|-----|------|--------|
| REINFORCING STEEL - SE CORNER |     |      |             |           |     |      |        |
| Straight Bars                 |     |      |             | Bent Bars |     |      |        |
| Mark                          | No. | Size | Length      | Mark      | No. | Size | Length |
| C1                            | 2   | 6    | 2'-8"       | C3        | 20  | 4    | 2'-7"  |
| C2                            | 5   | 4    | 2'-8"       | C4        | 6   | 4    | 7'-1"  |
| C7                            | 2   | 4    | 19'-6"      | C5        | 6   | 5    | 4'-0"  |
| C10                           | 2   | 4    | 14'-8"      | C6        | 6   | 4    | 3'-2"  |
| C11                           | 1   | 4    | 19'-6"      | C9        | 20  | 5    | Varies |
|                               |     |      |             | C21       | 20  | 4    | Varies |
| C20                           | 20  | 4    | Varies      |           |     |      |        |
| C23                           | 2   | 6    | 19'-8"      |           |     |      |        |
| C24                           | 6   | 4    | 3'-6"       |           |     |      |        |
| C25                           | 26  | 4    | 3'-2"       |           |     |      |        |
| C26                           | 3   | 4    | 22'-6"      |           |     |      |        |
| * SUMMARY OF QUANTITIES       |     |      |             |           |     |      |        |
| Class AAA Concrete (AE)       |     |      | 3.0 Cu.Yds. |           |     |      |        |
| Reinforcing Steel (Gr.60)     |     |      | 450 Lbs.    |           |     |      |        |

| BILL OF MATERIALS             |     |      |             |           |     |      |        |
|-------------------------------|-----|------|-------------|-----------|-----|------|--------|
| REINFORCING STEEL - SW CORNER |     |      |             |           |     |      |        |
| Straight Bars                 |     |      |             | Bent Bars |     |      |        |
| Mark                          | No. | Size | Length      | Mark      | No. | Size | Length |
| C1                            | 2   | 6    | 2'-8"       | C3        | 23  | 4    | 2'-7"  |
| C2                            | 5   | 4    | 2'-8"       | C4        | 6   | 4    | 7'-1"  |
| C7                            | 2   | 4    | 25'-2"      | C5        | 6   | 5    | 4'-0"  |
| C10                           | 2   | 4    | 15'-6"      | C6        | 6   | 4    | 3'-2"  |
| C11                           | 1   | 4    | 22'-6"      | C9        | 23  | 5    | Varies |
|                               |     |      |             | C21       | 23  | 4    | Varies |
| C20                           | 23  | 4    | Varies      |           |     |      |        |
| C24                           | 6   | 4    | 3'-6"       |           |     |      |        |
| C25                           | 29  | 4    | 3'-2"       |           |     |      |        |
| C26                           | 3   | 4    | 25'-2"      |           |     |      |        |
| C22                           | 2   | 6    | 22'-4"      |           |     |      |        |
| * SUMMARY OF QUANTITIES       |     |      |             |           |     |      |        |
| Class AAA Concrete (AE)       |     |      | 3.3 Cu.Yds. |           |     |      |        |
| Reinforcing Steel (Gr.60)     |     |      | 505 Lbs.    |           |     |      |        |

\* For Information Only

| TABLE OF DIMENSIONS                    |        |           |  |
|----------------------------------------|--------|-----------|--|
| Location                               | Dim.A  | Dim.B     |  |
| NW Corner                              | 30'-0" | 7'-6"     |  |
| SE Corner                              | 26'-6" | 6'-7 1/2" |  |
| SW Corner                              | 30'-0" | 7'-6"     |  |
| SUMMARY OF QUANTITIES                  |        |           |  |
| NW - Concrete Safety Barrier (Type IV) | 330    | Un.Ft.    |  |
| SE - Concrete Safety Barrier (Type IV) | 295    | Un.Ft.    |  |
| SW - Concrete Safety Barrier (Type IV) | 330    | Un.Ft.    |  |
| TOTAL                                  | 955    | Un.Ft.    |  |

| Revisions                                                                                                                                                                                                                                                               |        |            |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|------------|
| No.                                                                                                                                                                                                                                                                     | By     | Date       |            |
| CITY OF WICHITA, KANSAS<br>MICHAEL E. LINDEBAK, P.E., CITY ENGINEER<br>DOUGLAS AVENUE BRIDGE<br>OVER ARKANSAS RIVER<br>APPROACH BARRIER-NW,SW,SE<br>CITY OF WICHITA PROJECT NO. 412-82121<br>PROFESSIONAL ENGINEERING CONSULTANTS, P.A.<br>ENGINEERS<br>WICHITA, KANSAS |        |            |            |
| Designed by                                                                                                                                                                                                                                                             | R.W.A. | Checked by | R.A.S.     |
| Drawn by                                                                                                                                                                                                                                                                | W.L.L. | Date       | Sept. 1997 |
|                                                                                                                                                                                                                                                                         |        | Job No.    | 95088-4    |