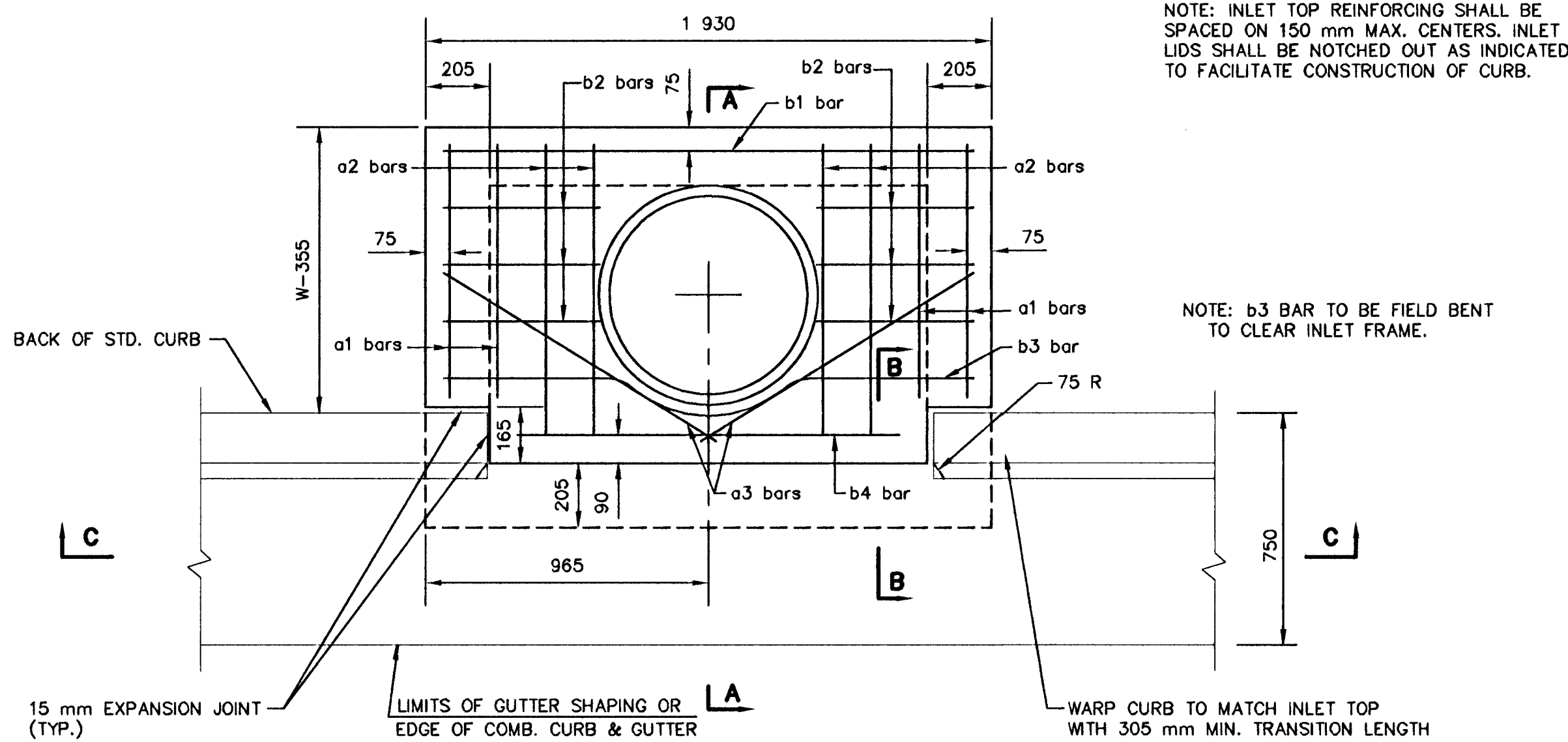
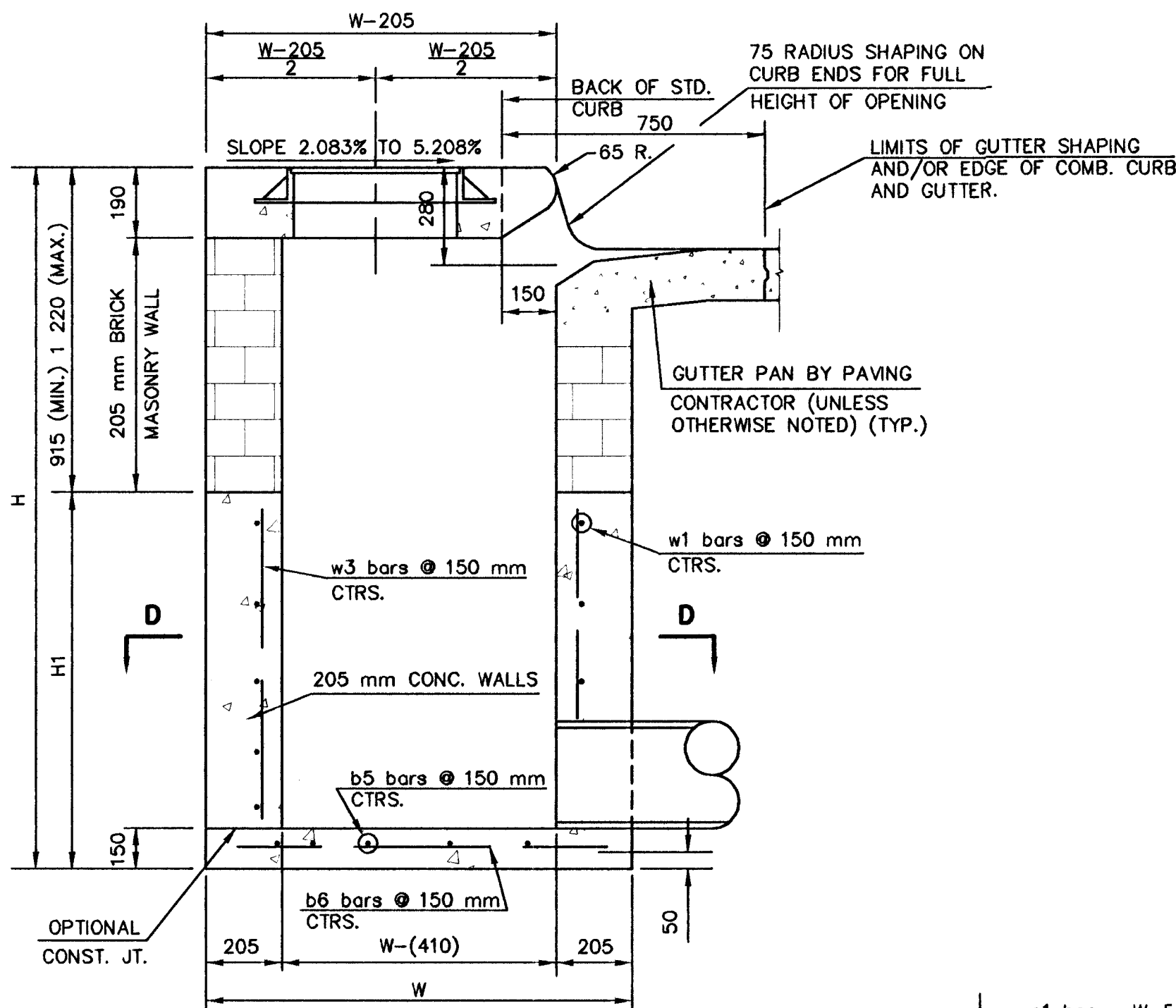


| FHWA<br>REGION<br>NO. | STATE  | PROJECT NO. | YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|-----------------------|--------|-------------|------|--------------|-----------------|
| 7                     | KANSAS | 87N-0116-01 | 1999 | 38           | 110             |

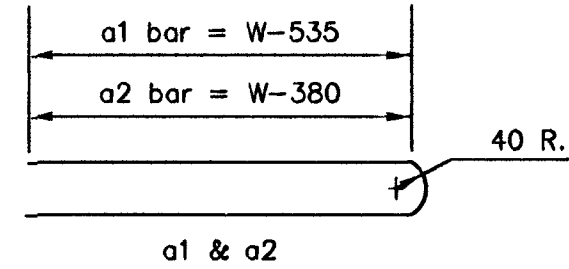


PLAN

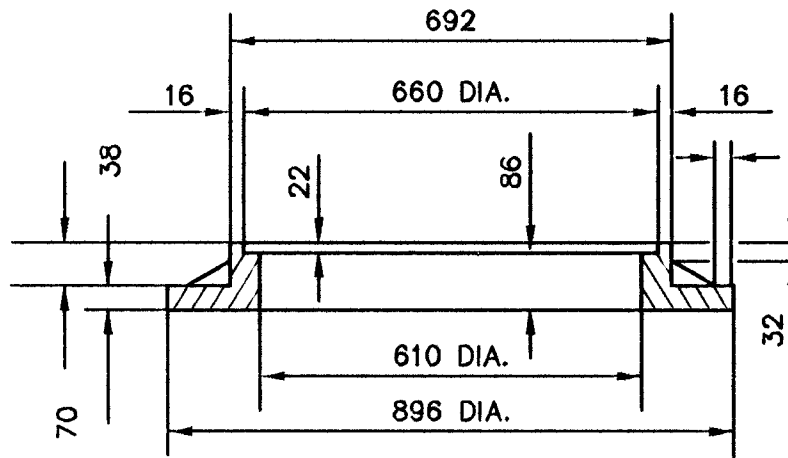
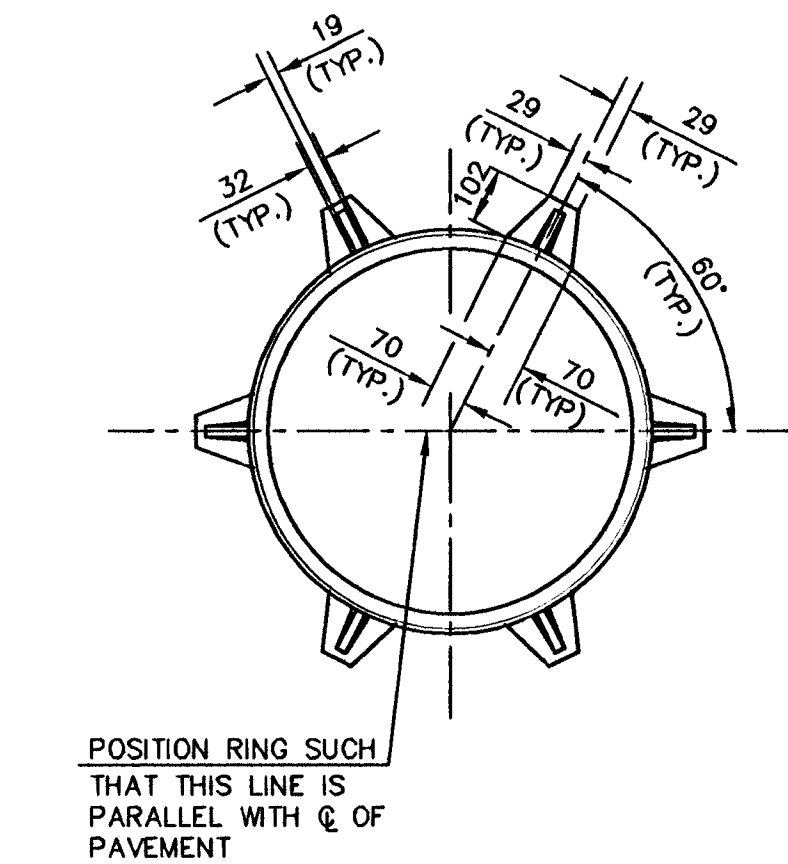
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.



SECTION A-A



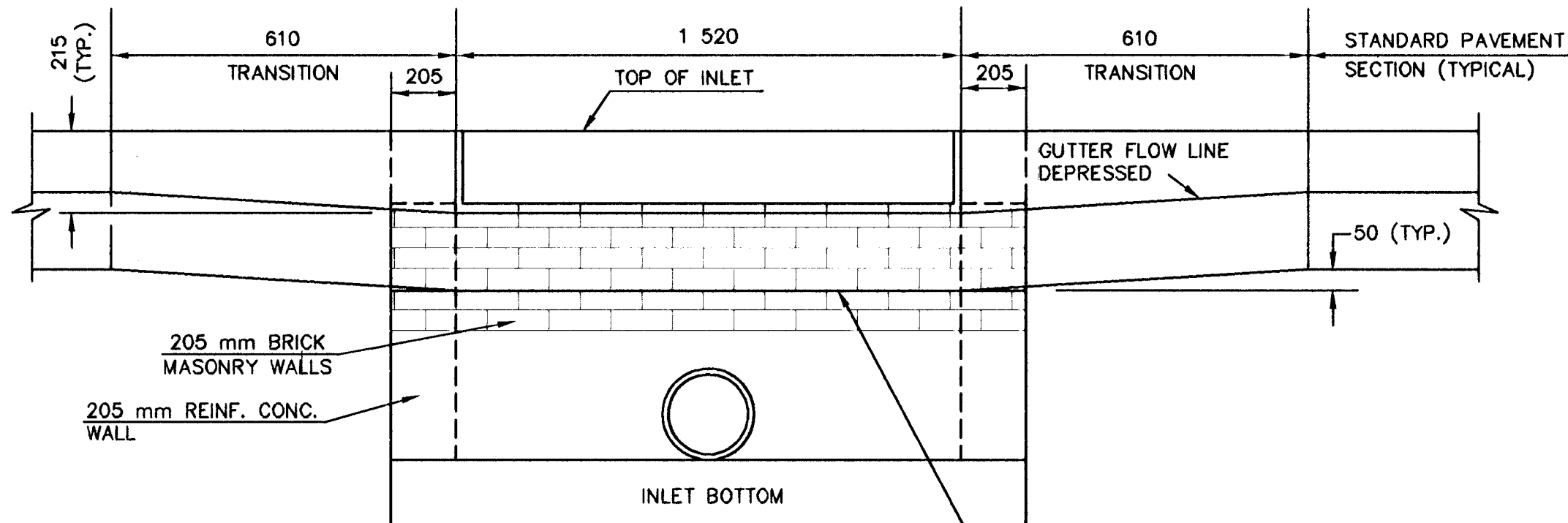
BENDING DIAGRAM



INLET FRAME

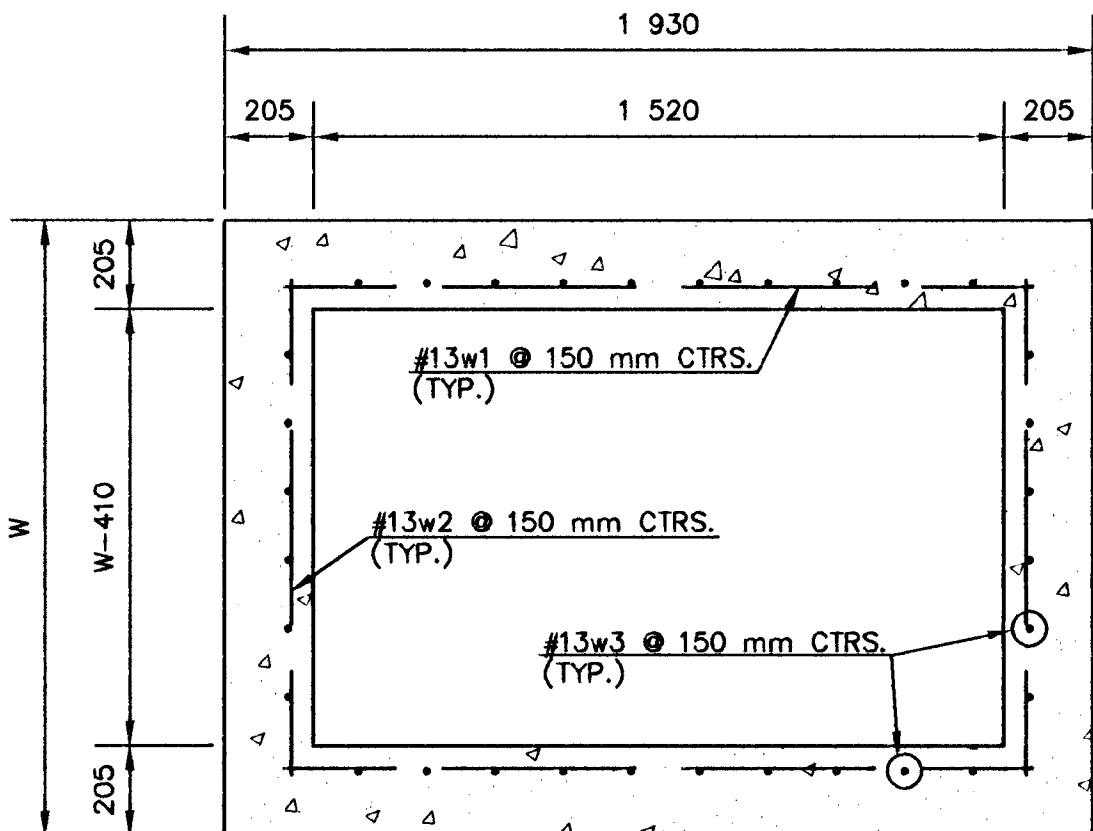
WT.=81.65 kg

SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



SECTION C-C

SUBGRADE TO BE SHAPED TO ALLOW FOR DEPRESSION IN PAVEMENT



SECTION D-D

STEEL SCHEDULE

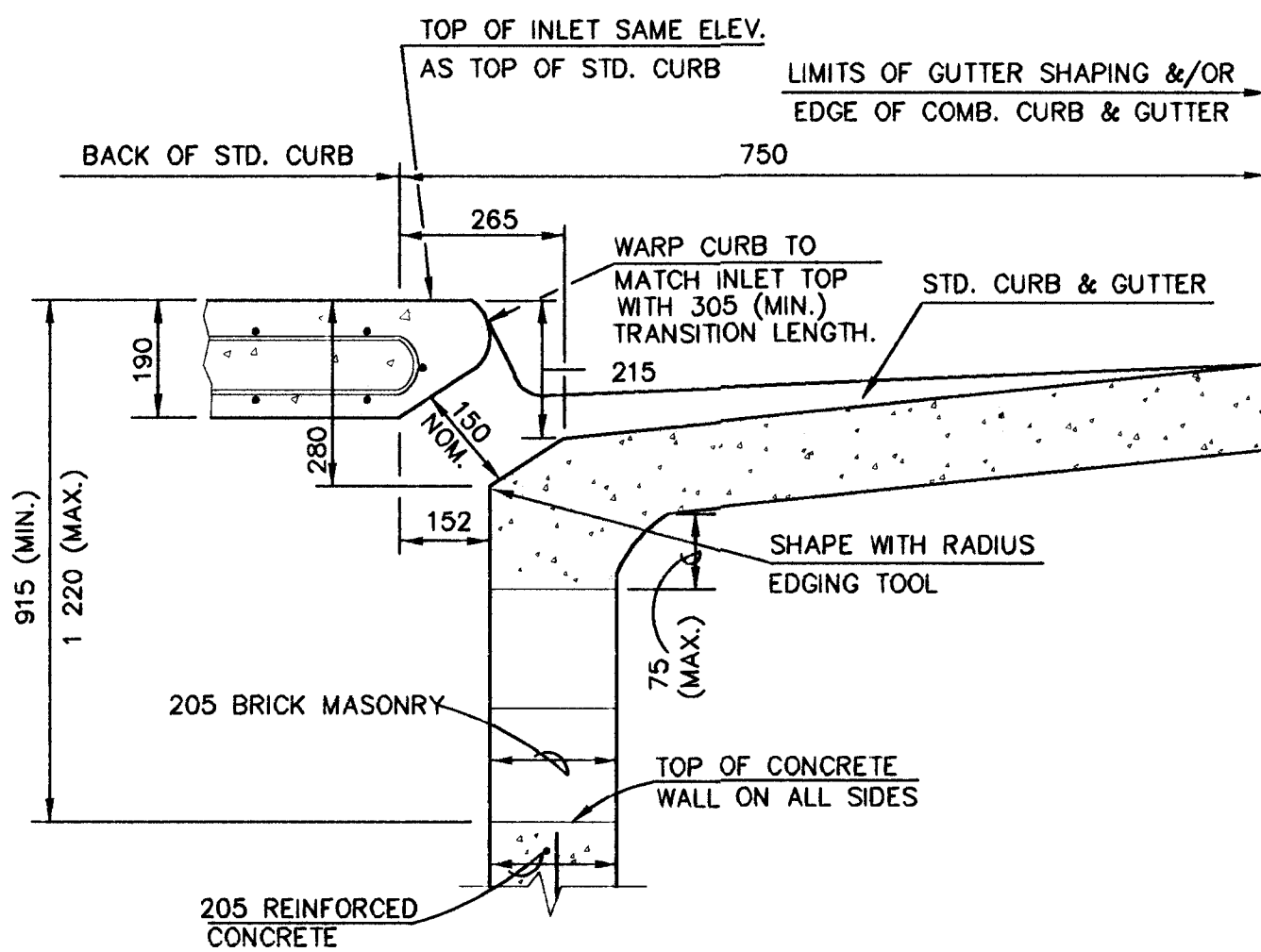
| MARK | SIZE | W=1 321 |        | W=1 626 |        | W=1 930 |        | W=2 235 |        | W=2 540 |        |
|------|------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|
|      |      | NO.     | LENGTH | NO.     | LENGTH | NO.     | LENGTH | NO.     | LENGTH | NO.     | LENGTH |
| a1   | #13  | 4       | 1 700  | 4       | 2 310  | 4       | 2 920  | 4       | 3 530  | 4       | 4 140  |
| a2   | #13  | 4       | 2 005  | 4       | 2 615  | 4       | 3 225  | 4       | 3 835  | 4       | 4 445  |
| a3   | #13  | 2       | 1 220  | 2       | 1 525  | 2       | 1 830  | 2       | 2 135  | 2       | 2 440  |
| b1   | #13  | 1       | 1 855  | 3       | 1 855  | 5       | 1 855  | 7       | 1 855  | 9       | 1 855  |
| b2   | #13  | 6       | 535    | 6       | 535    | 6       | 535    | 6       | 535    | 6       | 535    |
| b3   | #13  | 1       | 1 880  | 1       | 1 880  | 1       | 1 880  | 1       | 1 880  | 1       | 1 880  |
| b4   | #19  | 1       | 1 420  | 1       | 1 420  | 1       | 1 420  | 1       | 1 420  | 1       | 1 420  |
| b5   | #13  | 7       | 1 625  | 9       | 1 625  | 11      | 1 625  | 13      | 1 625  | 15      | 1 625  |
| b6   | #13  | 11      | 1 015  | 11      | 1 320  | 11      | 1 625  | 11      | 1 930  | 11      | 2 235  |

STEEL SCHEDULE

| MARK | SIZE | W=1 321 |        | W=1 626 |        | W=1 930 |        | W=2 235 |        | W=2 540 |        |
|------|------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|
|      |      | NO.     | LENGTH | NO.     | LENGTH | NO.     | LENGTH | NO.     | LENGTH | NO.     | LENGTH |
| w1   | #13  | ①       | 1 625  | ①       | 1 625  | ①       | 1 625  | ①       | 1 625  | ①       | 1 625  |
| w2   | #13  | ①       | 1 015  | ①       | 1 320  | ①       | 1 625  | ①       | 1 930  | ①       | 2 235  |
| w3   | #13  | ②       |        | ②       |        | ②       |        | ②       |        | ②       |        |

NOTE: a3 BARS TO BE PLACED APPROX. 50 mm BELOW TOP OF INLET COVER.

- ①  $2 \left( \frac{H1-200}{150} + 1 \right)$
- ②  $22 + 2 \left( \frac{W-410}{150} + 1 \right)$
- ③  $(H1-230)$



SECTION B-B

| STANDARD CURB INLET PRECAST TOPS |                     |               |          |
|----------------------------------|---------------------|---------------|----------|
| W                                | PRE-CAST TOP SIZE   | PIPE SIZE     | m³ CONC. |
| 1 321                            | 1 118 x 1 930 x 190 | 530 & SMALLER | ± 0.011  |
| 1 626                            | 1 421 x 1 930 x 190 | 600 & 750     | ± 0.014  |
| 1 930                            | 1 725 x 1 930 x 190 | 900 & 1 050   | ± 0.018  |
| 2 235                            | 2 030 x 1 930 x 190 | 1 200 & 1 350 | ± 0.022  |
| 2 540                            | 2 335 x 1 930 x 190 | 1 500 & 1 675 | ± 0.025  |

GENERAL NOTES

- CONCRETE SHALL BE C.O.W. STANDARD PAVING MIX. ALL EXPOSED EDGES SHALL BE FINISHED WITH AN EDGING TOOL. REINFORCING BARS SHALL BE FIELD BENT OR CUT TO CLEAR PIPES. ALL BARS ARE #13 BARS AT 150 mm SPACING AND SHALL HAVE A MINIMUM CLEARANCE OF 40 mm UNLESS OTHERWISE NOTED. FLOORS OF INLET SHALL BE SHAPED WITH 10.5 SACKS PER m³ SAND MIX CONCRETE TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTFALL PIPE(S). THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT 205 mm BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN H= 2 135 mm OR LESS AND W= 1 930 mm OR LESS.
- THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

REVISED: 12-21-1984

## STANDARD TYPE 1 CURB INLET

INLET OPENING=150 x 1 520

OCTOBER, 1984

CITY OF WICHITA, KANSAS

|                      |                   |            |            |
|----------------------|-------------------|------------|------------|
| Design<br>BER<br>KJS | Checked by<br>MWB | Checked by | Checked by |
| Drawn by             | Date              | Date       | Job No.    |