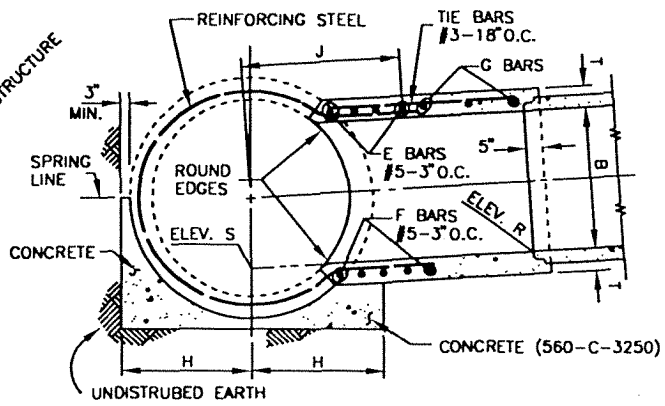
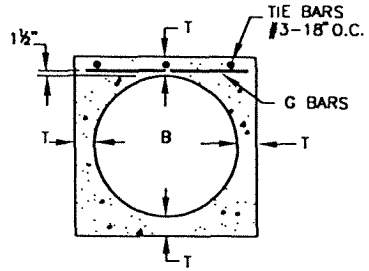


**PLAN**



**SECTION Z-Z**

| TABLE OF VALUES FOR T |     |
|-----------------------|-----|
| B                     | T   |
| 12"                   | 5"  |
| 15"                   | 5"  |
| 18"                   | 5"  |
| 21"                   | 5"  |
| 24"                   | 5½" |
| 27"                   | 5½" |
| 30"                   | 6"  |
| 33"                   | 6½" |
| 36"                   | 6½" |
| 39"                   | 7"  |



**SECTION M-M**

**NOTES:**

1. JUNCTION STRUCTURE No. 2 IS TO BE USED WHEN OUTSIDE DIAMETER OF B IS GREATER THAN ½ THE INSIDE DIAMETER OF D, OR B IS GREATER THAN 24". B SHALL NOT EXCEED ¼D OR 39". NOTE: NO MORE THAN ONE OPENING SHALL BE MADE IN ONE SECTION OF PIPE.
2. VALUES OF A, B, C, AND D ARE SHOWN ON PROJECT DRAWINGS. ELEVATION "R" AND ELEVATION "S" ARE SHOWN WHEN REQUIRED PER NOTE 10.
3. ELEVATION S APPLIES AT INSIDE WALL OF STRUCTURE.
4. THE OPENING SHALL BE RECTANGULAR, CUT NORMAL TO PIPE SURFACE WITHOUT DAMAGING REINFORCING STEEL. IF A JOINT IN THE MAIN LINE PIPE FALLS WITHIN THE LIMITS OF THE CONCRETE CRADLE, PROVIDE A CONCRETE ENCASMENT ONE FOOT ABOVE THE TOP OF MAIN LINE PIPE TO THE LIMITS OF THE CRADLE.
5. THE TRANSVERSE REINFORCEMENT IN PIPE SHALL BE CUT AT CENTER OF OPENING AND BENT INTO TOP AND BOTTOM SLABS OF SPUR.
6. THE MAIN LINE PIPE SHALL BE CRADLED AND ENCASED IN 560 C 3250 CONCRETE MIX EXTENDING LONGITUDINALLY 12" BEYOND THE LIMITS OF BREAK OUT (SEE NOTE 4), AND TRANSVERSELY A DISTANCE OF H ON EACH SIDE OF THE CENTERLINE OF PIPE  $H = \frac{1}{2} \text{ O.D. OF PIPE} + 3" \text{ MIN.}$  CRADLE MAYBE OMITTED ON SIDE OPPOSITE LATERAL INLET WHEN CONSTRUCTED IN CONNECTION WITH EXISTING STORM DRAIN.
7. REINFORCING STEEL SHALL BE PLACED ½" CLEAR FROM FACE OF CONCRETE, UNLESS OTHERWISE SHOWN.
8. E AND F BARS SHALL BE CARRIED TO A POINT NOT LESS THAN J DISTANCE FROM CENTERLINE.  
 $J = (7D/12) + 6"$
9. FLOOR OF STRUCTURE SHALL BE STEEL-TROWELED TO SPRING LINE.
10. WHEN ELEVATION "R" AND ELEVATION "S" ARE NOT SHOWN ON PROJECT DRAWINGS, INLET PIPE SHALL ENTER MAIN LINE RADIALLY. WHEN INLET PIPE ENTERS MAIN LINE OTHER THAN RADIALLY, ELEVATION "S" SHALL BE SHOWN PROJECT DRAWINGS AND INLET PIPE SHALL BE LAID ON A STRAIGHT GRADE FROM ELEVATION S TO CATCH BASIN OR GRADE BREAK IN LINE. ELEVATION "R" SHALL BE SHOWN ON PROJECT DRAWINGS ONLY WHEN STUB IS TO BE PROVIDED IN MAIN LINE FOR FUTURE CONSTRUCTION OF INLET PIPE.
11. STATIONS SPECIFIED ON DRAWINGS APPLY AT THE INTERSECTION OF CENTER LINES OF MAIN LINE AND LATERALS, EXCEPT THAT STATIONS FOR CATCH BASIN CONNECTOR PIPE APPLY AT INSIDE WALL OF STRUCTURE.

|      |       |    |      |
|------|-------|----|------|
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| REV. | APPR. | BY | DATE |
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|                            |                                 |             |                       |
|----------------------------|---------------------------------|-------------|-----------------------|
|                            | <b>JUNCTION STRUCTURE No. 2</b> |             | STANDARD PLAN<br>2002 |
|                            | DRAWN: STAFF                    | CKD.: STAFF | PLATE 522             |
| Department of Public Works |                                 | APPR.       | SHEET 1 OF 1          |