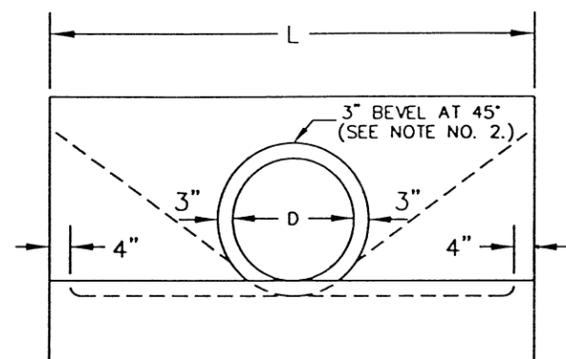
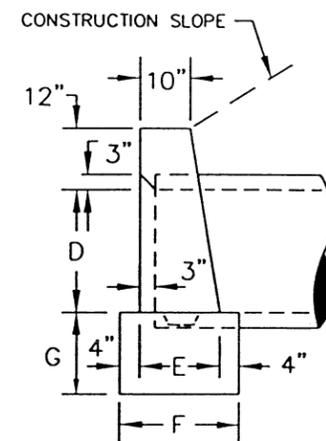


PLAN



FRONT ELEVATION



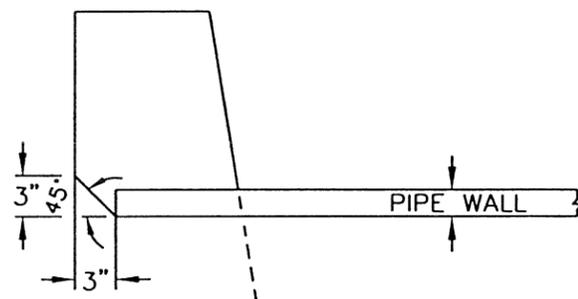
SIDE ELEVATION

TABLE "A" - DIMENSIONS FOR ONE STRAIGHT, CONCRETE ENDWALL (X=0°)

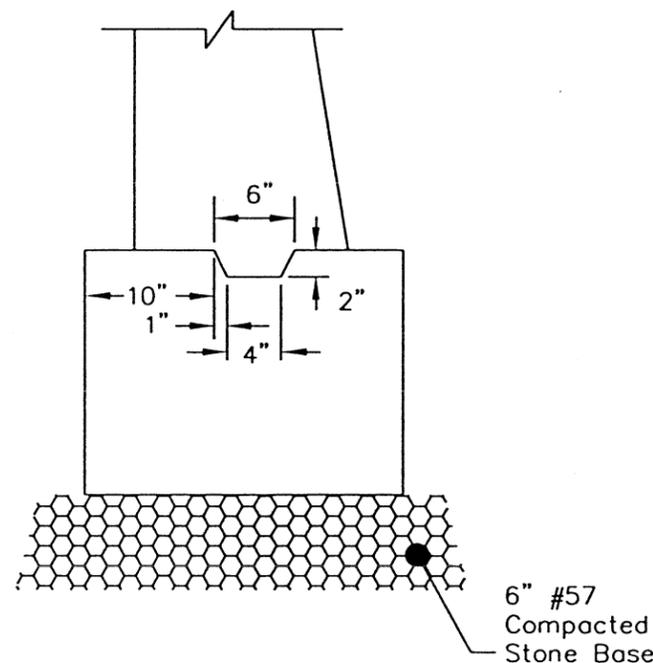
| DIMENSIONS |        |       |         |        |       |
|------------|--------|-------|---------|--------|-------|
| OPENING    | WALL   |       | FOOTING |        |       |
| D          | L      | H     | E       | F      | G     |
| 1'-6"      | 6'-0"  | 2'-6" | 1'-3"   | 1'-11" | 1'-3" |
| 2'-0"      | 8'-0"  | 3'-0" | 1'-4"   | 2'-0"  | 1'-4" |
| 2'-6"      | 10'-0" | 3'-6" | 1'-6"   | 2'-2"  | 1'-6" |

TABLE "B" - VALUE OF "L" WHEN ANGLE "X" IS GREATER THAN 0°

| D     | 0(+)-10' | 10(+)-20' | 20(+)-30' | 30(+)-40' | 40(+)-50' |
|-------|----------|-----------|-----------|-----------|-----------|
| 1'-6" | 6'-0"    | 6'-5"     | 6'-11"    | 7'-10"    | 9'-4"     |
| 2'-0" | 8'-2"    | 8'-6"     | 9'-3"     | 10'-5"    | 12'-6"    |
| 2'-6" | 10'-2"   | 10'-7"    | 11'-6"    | 13'-2"    | 15'-7"    |



DETAIL OF BEVEL



SECTION C-C  
SHOWING CONSTRUCTION JOINT

NOTES

1. WHEN A PIPE IS ON A SKEW, REFER TO TABLE "B" FOR THE VALUE OF "L".
2. ALL TYPE "S", CONCRETE ENDWALLS ON THE INLET END OF THE PIPE AND AT 90° TO THE PIPE SHALL BE BEVELED 3" AT A 45° ANGLE. THE BEVEL WILL NOT BE REQUIRED WHEN THE ENDWALL IS CONSTRUCTED ON THE "BELLED" END OF A CONCRETE PIPE.
3. WHEN MORE THAN ONE LINE OF PIPE IS REQUIRED, THE DISTANCE FROM CENTER TO CENTER OF PIPES SHALL BE (D+1'-0").
4. A 1" CHAMFER SHALL BE USED ON EACH EXPOSED EDGE AND CORNER.
5. ENDWALLS SHALL HAVE #4 BARS AT 12" ON CENTER, EACH WAY, IN THE CENTER OF ALL SLABS AND WALLS.
6. EIGHT INCH (8") BRICK WALLS MAY BE SUBSTITUTED FOR CONCRETE WALLS WHEN "D" IS 36" OR LESS.



|  |  |                                   |
|--|--|-----------------------------------|
| <b>CITY OF CHATTANOOGA AND HAMILTON COUNTY</b> |  |                                   |
| <b>CONCRETE ENDWALL (TYPE "S")</b>             |  |                                   |
|  | DATE OF ORIGINAL ISSUE<br><b>DECEMBER 10, 1999</b> | STANDARD NUMBER: <b>SD-601.01</b> |
| 0<br>NO.                                       | INITIAL ISSUE<br>REVISION                          | 12/10/99<br>DATE                  |