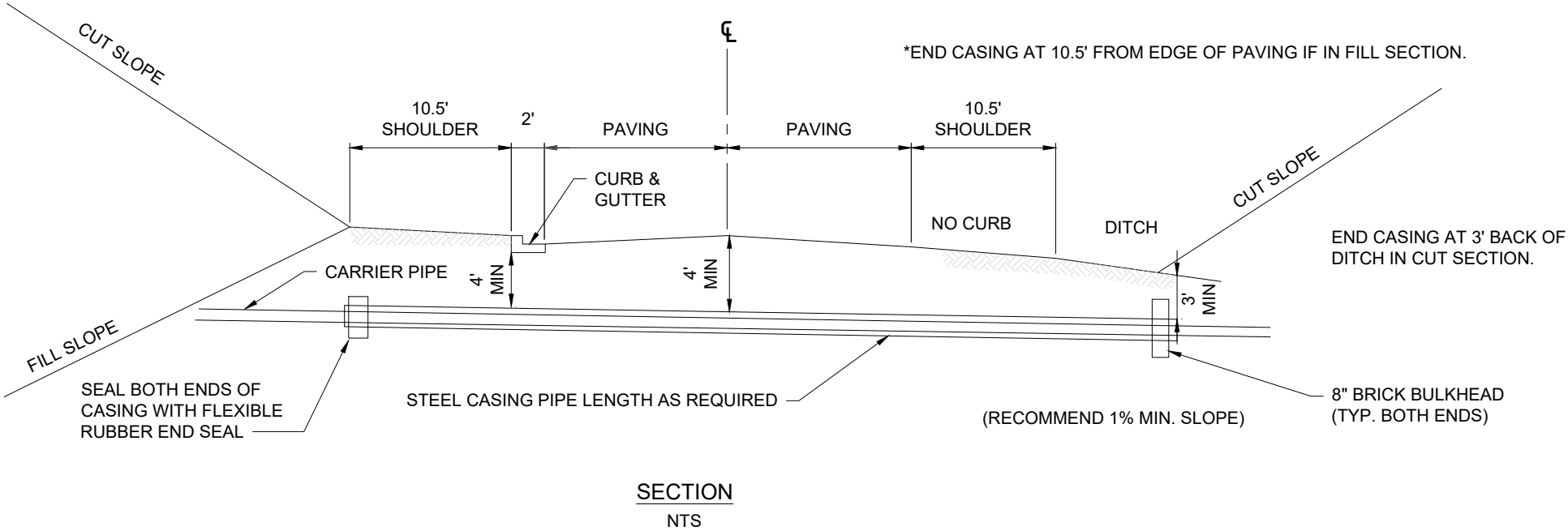


107 - Roadway Crossing- Bore and Case Detail.dwg March 17, 2026 - 1:19pm



PIPE CASING: THE STEEL CASING PIPE SHALL BE MANUFACTURED FROM STEEL CONFORMING TO ASTM: A 139, GRADE B. SIZE AND THICKNESS SHALL BE AS FOLLOWS:

| TABLE 107-1<br>UNDER RAILROADS |                                          |                                    |
|--------------------------------|------------------------------------------|------------------------------------|
| PIPE DIAMETER<br>INCHES (I.D)  | CASING<br>DIAMETER<br>INCHES (I.D.) MIN. | CASING WALL<br>THICKNESS<br>INCHES |
| 6                              | 16                                       | 0.250                              |
| 8                              | 18                                       | 0.375                              |
| 10                             | 20                                       | 0.375                              |
| 12                             | 22                                       | 0.375                              |
| 14                             | 28                                       | 0.375                              |
| 16                             | 30                                       | 0.406                              |
| 18                             | 32                                       | 0.406                              |
| 20                             | 36                                       | 0.469                              |
| 24                             | 42                                       | 0.469                              |
| 30                             | 48                                       | 0.500                              |

- NOTES:
- CASING TO BE STEEL PIPE (ROUND) WITH 45° BEVELED EDGES.
  - ALL CUTS TO BE SQUARED TO END.
  - JOIN ALL PIPE WITH DOUBLE BEAD BUTT WELDS.
  - AUGER HEAD DIAMETER CANNOT EXCEED DIAMETER OF CASING BY MORE THAN 2 INCHES.
  - BORING AND CASING SHALL BE INSTALLED SIMULTANEOUSLY.
  - ANYTHING 6" OR LARGER REQUIRES BORE AND CASE.
  - CASING PIPE SHALL HAVE A PROTECTIVE COATING CONSISTING OF AN EPOXY HAVING A MINIMUM DRY FILM THICKNESS OF SIXTEEN (16) MILS. SURFACE PREPARATION SHALL BE SSPC-SP-10, AND EPOXY SHALL HAVE A MINIMUM SOLIDS CONTENT OF SIXTY-FIVE (65) PERCENT BY VOLUME AND SHALL BE AIRLESS SPRAY APPLIED. MINIMUM DRYING TIME SHALL BE SEVEN DAYS. EPOXY SHALL BE TNEEC, CARBOLINE, OR VALSPAR.
  - PIT TO BE A MINIMUM OF 10' FROM EDGE OF PAVEMENT IN GDOT RIGHT-OF-WAY.
  - THREE STAINLESS STEEL CASING SPACERS ARE REQUIRED PER JOINT.
  - CASING PIPE SHALL BE STEEL.
  - FIELD LOCKING GASKETS REQUIRED INSIDE OF CASING.
  - ALL BORING MUST BE APPROVED AND A PERMIT OBTAINED FROM PUBLIC WORKS (404) 612-7400 AND AUTHORITIES HAVING JURISDICTION AS REQUIRED.

\* SEE DRAWING NO. 129 FOR RAILROAD, INTERSTATE HIGHWAY AND SPACER DETAILS.

| TABLE 107-2<br>UNDER HIGHWAYS |            |                                         |                          |
|-------------------------------|------------|-----------------------------------------|--------------------------|
| PIPE DIAMETER<br>INCHES (I.D) | BELL<br>OD | CASING<br>DIAMETER<br>INCHES (I.D) MIN. | WALL THICKNESS<br>INCHES |
| 6                             | 9.19       | 16                                      | 0.250                    |
| 8                             | 11.33      | 18                                      | 0.250                    |
| 10                            | 13.56      | 20                                      | 0.250                    |
| 12                            | 15.74      | 22                                      | 0.375                    |
| 14                            | 21.43      | 28                                      | 0.375                    |
| 16                            | 23.7       | 30                                      | 0.375                    |
| 18                            | 25.82      | 32                                      | 0.375                    |
| 20                            | 29.88      | 36                                      | 0.375                    |
| 24                            | 36.34      | 42                                      | 0.500                    |
| 30                            | 38.30      | 48                                      | 0.500                    |

FULTON COUNTY STANDARD DETAIL 107

ROADWAY/RAILROAD CROSSING  
BORE AND CASE DETAIL

| DATE | REVISIONS | DATE | REVISIONS |
|------|-----------|------|-----------|
|      |           |      |           |
|      |           |      |           |
|      |           |      |           |
|      |           |      |           |
|      |           |      |           |
|      |           |      |           |

DGS/DRN/CHKD: MB/EB/ML  
APPROVED: TM  
DATE: 02-18-2026



FULTON COUNTY PUBLIC WORKS  
141 PRYOR ST. ATLANTA, GA. 30303  
404-612-7400 FAX: 404-224-0498

DRAWING NO.

107