



NOTES:

1. CASING SHALL BE UNCOATED SPIRAL WELDED STEEL MEETING ASTM A-139, GRADE B WITH A YIELD STRENGTH OF 35,000 PSI.
2. CROSSINGS ON NCDOT MAINTAINED ROADS TO BE IN ACCORDANCE WITH CURRENT NCDOT STANDARDS AND APPROVED ENCROACHMENT AGREEMENT.
3. RESTRAINED JOINT PIPE ONLY. MEGE-LUGS ARE NOT PERMITTED.
4. SUPPORTS SHALL BE MANUFACTURED BY ADVANCE PRODUCTS & SYSTEMS, INC, PIPELINE SEAL AND INSULATOR LTD, OR BWM COMPANY.
5. THREE SUPPORTS SHALL BE INSTALLED ON EACH PIPE SEGMENT.
6. LARGER ENCASEMENT SIZES MAY BE UTILIZED AT THE DISCRETION OF THE DESIGN ENGINEER AND/OR CONTRACTOR FOR EASE OF INSTALLATION AS LONG AS ALL OTHER DESIGN CRITERIA IS MET.
7. ALL PIPES 36" AND LARGER SHALL REQUIRE 4 SUPPORTS.

| Carrier Pipe Nominal Diameter (inches) | Casing Minimum Inside Diameter (inches) | Casing Nominal Wall Thickness (inches) |
|--|---|--|
| 6 | 14 | 0.375 |
| 8 | 16 | 0.375 |
| 10 | 18 | 0.375 |
| 12 | 20 | 0.375 |
| 14 | 24 | 0.375 |
| 16 | 30 | 0.500 |
| 18 | 30 | 0.500 |
| 20 | 36 | 0.500 |
| 24 | 36 | 0.625 |
| 30 | 42 | 0.625 |
| 36 | 48 | 0.750 |
| 42 | 54 | 0.875 |