



TYPICAL DIELECTRIC CONNECTION AT PIPE JOINTS AND ANTI-SEEP COLLARS FOR WELDED STEEL PIPE

NO SCALE

NOTES

1. JOINTS BETWEEN LENGTHS OF PIPE AND ANTI-SEEP COLLARS ARE TO BE ELECTRICALLY BRIDGED ON THE OUTSIDE OF THE PIPE WITH INSULATED COPPER WIRE, #4 AWG OR LARGER, SECURELY ATTACHED TO THE UNCOATED PIPE METAL AT BOTH SIDES OF THE JOINT OR ANTI-SEEP COLLAR. DIELECTRIC CONNECTIONS SHALL BE PLACED AS SHOWN ON THE DRAWINGS. THE WIRE SHALL HAVE A TOUGH, WATERPROOF INSULATION DESIGNED FOR DIRECT BURIAL, WITH A RATING OF AT LEAST 600 VOLTS. BARE WIRE AND EXPOSED PIPE METAL AT THE POINTS OF CONNECTION SHALL BE THOROUGHLY COATED WITH A COATING EQUIVALENT TO THE ORIGINAL PIPE COATING TO PREVENT THE ENTRY OF MOISTURE. WELDED WIRE TO PIPE CONNECTIONS SHALL BE MADE BY CADWELDING, THERMOWELDING OR OTHER PROCESS OF EQUAL ABILITY. COPPER WIRE TO COPPER WIRE CONNECTIONS SHALL BE SOLDERED.
2. STANDARDIZED DESIGNS - MUST BE ADOPTED TO THE SPECIFIC SITE.



NRCS

Natural Resources Conservation Service
United States Department of Agriculture

TYPICAL DIELECTRIC CONNECTIONS

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