



NOTE:
 THE PIPE, FITTINGS AND RESTRAINER DEVICES SHALL BE BID AS SEPARATE ITEMS FROM THE WATER MAIN ADJUSTMENT.
 *TIE RODS WILL BE CONSIDERED INCIDENTAL TO THE COST OF THE ADJUSTMENT.

NOTE:
 TIE TOP BENDS TO EXISTING MAIN WITH M.J. RESTRAINER DEVICES IF A PIPE JOINT IS EXPOSED.

TIE RODS REQUIRED FOR WATER MAINS 12" DIAMETER AND LARGER.
 *NUMBER OF TIE RODS REQUIRED ARE EQUAL TO 1/2 THE NUMBER OF BOLT HOLES + 2.

Revised: April 2008

City of Madison
 Engineering Department
 Water Main
 Adjustment / Replacement



PO Box 308
 116 W. Center Street
 Madison, SD 57042
 Phone: (605)256-7514
 Fax: (605)256-7511