| CO     | NFLICTING PIPE                            | RESTRAIN EX. JOINTS AS<br>DIRECTED BY ENGINEER                     |   |  |
|--------|---|--|---|--|
|        | 6" INSULATION<br>PER MnDOT 3760           | <u>_12" MIN →    </u>  |   |  |
| EX. WA |   |  |   |  |
|        |   |  |   |  |
|        |   | 3"MIN.   |   |  |
|        | MECHANICAL JOINT —<br>BEND (TYP.)         | 6"MIN  |   |  |
|        | ALL JOINTS SHALL BE<br>OR APPROVED EQUAL. | RESTRAINED WITH EBAA IRON MEGALUG                                  |   |  |
|        |   | BE RODDED UNDER ANY CIRCUMSTANCE.                                  |   |  |
| 3.     |   | AIN SHALL BE WRAPPED WITH POLYETHYL                                |   |  |
| 4.     |   | DATION MATERIAL SHALL EXTEND IN BOT<br>3' BEYOND THE STORM SEWER & | Н |  |

5. MECHANICAL JOINT OFFSET MAY BE USED IF AMOUNT OF OFFSET

316 - WM ALTERATION 1 316 - WM ALTERATION 1.DWG 9/2016

IS 10 OK LESS. CONDUCTIVITY ACROSS JOINTS IS REQUIRED. INSTALL INSULATION WITH OVERLAPPING JOINTS. LENGTH OF JOINT RESTRAINT TO CONFORM TO DIPRA REQUIREMENTS CONCRETE ANCHOR BLOCKS MAY BE REQUIRED AT VERTICAL BENDS.

H:\Cad\_Comn\Details Updated\0 - 300 - WATER\316 - WM Alteration 1

WATERMAIN.

6. 7. 8.

IS 18" OR LESS.

| CITY OF<br>BLOOMINGTON<br>MINNESOTA<br>1700 W 98TH ST.<br>BLOOMINGTON MN 55431<br>PHONE (952) 563-8700 | 316 - WM Alteration 1   |
|--|-------------------------|
| ENGINEERING DIVISION   | LAST REVISED: 9/16/2016 |
| PUBLIC WORKS DEPARTMENT  | LAST REVISED BY: KBO    |