Note:
1. The use of insulation requires prior approval by the Public Works Director.

<table>
<thead>
<tr>
<th>INSULATION WIDTH FOR PIPE DEPTH</th>
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<tbody>
<tr>
<td>Water</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>D (Feet)</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>5</td>
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</tbody>
</table>

Water mains 20 inch diameter and larger - insulation not required for 5 foot bury depths.
Note:
Check dam installation locations shall be as indicated on the plans. However during construction, check dam installation locations may be moved due to field conditions. The check dam shall extend from the bottom of the excavation through the bedding material to the "Normal Backfill" and shall extend completely to each trench sidewall. Do not construct check dam around pipe joint.

N.T.S.
TRENCH DETAIL FOR PVC WATER & SEWER MAINS

Pipe Dia.
3" MIN

Trench Sidewall
Vertical to This Point

Tracer Wire for
Water Main and
Sewer Force Main

Select Bedding Material

Type 1 Bedding Material

Type 1 Bedding or Type
3 Foundation Material
(Unstable Trench
Bottom Only)

Type 4 Foundation
Material or Stabilization
Rock (Unstable Trench
Bottom Only)

Normal Backfill Compacted,
Per Standard Specifications

DATE: 8-19-22

N.T.S.

In some circumstances, larger foundation material may be necessary and in these cases Type 4 Foundation Material or Stabilization Rock maybe used Per Standard Specifications, Section 112. If Type 4 Foundation Material or Stabilization Rock is used, then a minimum 6 inches of Type 3 Foundation Material shall be placed directly above the material and prior to the placement of the Type 1 Bedding Material.

CITY OF RAPID CITY
PUBLIC WORKS DEPARTMENT

DATE: 8-19-22
Sec. - Sht. 11-3