CHECK DAMS

**DITCH SLOPE**

- 1%
- 2%
- 3%
- 4%
- 5%
- 7.5m
- 10m
- 20m
- 30m
- 60m

**SUFFIX (XX)**

- BOTTOM WIDTH
- DITCH

**CHECK DAM VOLUMES**

<table>
<thead>
<tr>
<th>SUFFIX</th>
<th>CHECK DAM</th>
<th>GRAVEL BAG / SAND BAG</th>
<th>ITEM SUFFIXES</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td>75mm - 150mm</td>
<td>225m (Typ.) 200m</td>
<td>0.6m</td>
</tr>
<tr>
<td>10</td>
<td>150mm - 250mm</td>
<td>240m (Typ.) 260m</td>
<td>0.9m</td>
</tr>
<tr>
<td>15</td>
<td>250mm - 350mm</td>
<td>275m (Typ.) 300m</td>
<td>1.2m</td>
</tr>
<tr>
<td>20</td>
<td>350mm - 450mm</td>
<td>300m (Typ.) 330m</td>
<td>1.5m</td>
</tr>
<tr>
<td>25</td>
<td>450mm - 550mm</td>
<td>325m (Typ.) 350m</td>
<td>1.8m</td>
</tr>
</tbody>
</table>

**APPLICATION NOTES**

- The primary purpose of a check dam is to reduce erosion in a channel by reducing flow velocity in the channel.
- Check dams will capture sediment that falls out of suspension behind the check dam due to decreased velocity.
- Check dams are not intended to and will not filter sediment from turbid water.
- Prefabricated check dams are not to be used on slopes greater than 5%.
- Check dams are not intended to, and will not filter sediment from turbid water.
- Check dams will capture sediment that falls out of suspension behind the check dam due to decreased velocity.

**GENERAL NOTES**

- Gravel bags / sand bags shall be filled with clean stone or clean sand to prevent sediment from accumulating.
- Check dams are not intended to, and will not filter sediment from turbid water.
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**STATE OF NEW YORK**

**DEPARTMENT OF TRANSPORTATION**

**METRIC STANDARD SHEET**

**APPROVED FEBRUARY 09, 2010**

**FOR THE COUNTY CHIEF ENGINEER**

**M209-3R1**