**RIP RAP LINED CHANNELS**

**CITY OF RALEIGH PUBLIC WORKS DEPARTMENT**

**REV: SW-20.12**

**DATE 9/1/13**

**NOT TO SCALE**

\[ W \]

\[ \frac{2}{3} W \]

\[ d \]

**PARABOLIC-SHAPED**

(Shaped by Bulldozer)

**FILTER FABRIC OR GRAVEL BEDDING**

\[ 1.5 d \text{ MAX} \]

\[ 6''(\text{MIN}) \]

**SMOOTHLY BLEND CONTACT AREA**

**NOTE:**

1. To be used where excessive stormwater velocities prohibit vegetative linings.

2. Dimensions for d & w and size of stone must be determined by appropriate design criteria.

**TABLE**

<table>
<thead>
<tr>
<th>d MAX</th>
<th>STONE CLASSIFICATION</th>
<th>RIP RAP DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>A</td>
<td>12&quot;</td>
</tr>
<tr>
<td>12&quot;</td>
<td>B</td>
<td>18&quot;</td>
</tr>
<tr>
<td>18&quot;</td>
<td>CLASS 1</td>
<td>27&quot;</td>
</tr>
<tr>
<td>24&quot;</td>
<td>CLASS 2</td>
<td>36&quot;</td>
</tr>
</tbody>
</table>