1. Inlet and outlet connections to relief well must be watertight.
2. Geotextile (non-woven, needle punched) Minimum criteria:
   - Grab tensile strength (lb) ASTM D 4632 ≥ 202
   - Elongation at failure (%) ASTM D 4632 ≥ 50
   - Trapezoidal tear strength (lb) ASTM D 4533 ≥ 79
   - Puncture strength (lb) ASTM D 6241 ≥ 433
   - Ultraviolet light (% retained strength) ASTM D 4355
     min 50
   - Apparent opening size (AOS) ASTM D 4751
     max 0.22 mm (US sieve size 70)
   - Permeability sec⁻¹ ASTM D 4491
     min 0.70
3. Any geotextile splices must overlap a minimum of 12 inches. Place fabric at soil-rock interfaces.
4. IDOT CA 5, 7, 8, 11 or 12 may be used for Coarse Aggregate.

Quantities:
- Geotextile
- Coarse Aggregates
- Relief Well Pipe Height
- Relief Well Pipe Diameter

<table>
<thead>
<tr>
<th>Relief Well Diameter Inches</th>
<th>Total Fabric Quantity Square Yards</th>
<th>Aggregate Quantity Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>0.3</td>
<td>47</td>
</tr>
<tr>
<td>24</td>
<td>0.8</td>
<td>187</td>
</tr>
<tr>
<td>36</td>
<td>1.4</td>
<td>414</td>
</tr>
</tbody>
</table>

Notes:
- Inlet "6" Max or as needed to exclude surface flow from riser
- Outlet EL
- Inlet EL
- Flow
- Ground Line EL
- Relief Well Pipe
- Coarse Aggregate
- Geotextile See Note 3