Notes:
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 all soil-rock interfaces.
4. IDOT CA 5, 7 B, 11 or 12 may be used for Coarse Aggregate.
5. Riprap must be IDOT Quality Designation A or B.

Quantities:
- Geotextile________________________Sq. Yd.
- Rock Riprap________________________tons
- Coarse Aggregates____________________lbs.
- Relief Well Pipe Height______________Ft.
- Diameter_________________________In.

<table>
<thead>
<tr>
<th>Relief Well Diameter</th>
<th>Riprap Quantity</th>
<th>Fabric Quantity</th>
<th>Aggregate Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>Tons</td>
<td>Square Yards</td>
<td>Pounds</td>
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<tr>
<td>12</td>
<td>2.1</td>
<td>7.3</td>
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