**Geotextile Marker Fabric Specifications**

The geotextile marker fabric should be the same type of woven polypropylene material. Add subdrains and inclusions to the base material as needed, to make the material resistant to degraderation by ultraviolet light, oxidation, and heat exposure. Filtered material which consists of mega-tremmers and other agents that have never met the consumer, may be used to produce the geotextile. Permeable geotextile material may be used. Geosynthetic soils are formed into a network such that the elements or parts retain dimensional stability radii to each other, including the edge. Geotextiles shall meet the requirements specified in Table 1. Where applicable, Table 1 property values represent minimum averageulla values in the weakest principal direction. Values for Apparent Opening Size (AOS) represent minimum average sill value.

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**Legend**

- Approximate area to be covered by Geotextile Marker Fabric
- Approximate area sampled by GTA in October 2014 (this area does not require marker fabric or clean fill)

**Notes**

2. Property boundaries and site conditions are approximate.

---

**Table 1: Minimum Physical Requirements for Marker Geotextile**

<table>
<thead>
<tr>
<th>Property</th>
<th>Units</th>
<th>Acceptable Values</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grab Strength</td>
<td>lb</td>
<td>150-180</td>
<td>ASTM D 4332</td>
</tr>
<tr>
<td>Modulus Stiffness</td>
<td>kip/ft</td>
<td>300</td>
<td>ASTM D 3788</td>
</tr>
<tr>
<td>CSR Resistance</td>
<td>kip</td>
<td>15</td>
<td>ASTM D 4333</td>
</tr>
<tr>
<td>Tear Resistance</td>
<td>kip</td>
<td>75</td>
<td>ASTM D 4333</td>
</tr>
<tr>
<td>Apparent Opening Size</td>
<td>ft</td>
<td>30</td>
<td>ASTM D 2791</td>
</tr>
<tr>
<td>Penetration</td>
<td>in</td>
<td>0.25</td>
<td>ASTM D 4461</td>
</tr>
<tr>
<td>Ultraviolet Degradation</td>
<td>Percent</td>
<td>80 at 500 hrs</td>
<td>ASTM D 4355</td>
</tr>
</tbody>
</table>

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**Geotechnical and Environmental Consultants**

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101 WEST DICKMAN STREET
BALTIMORE CITY, MARYLAND
DESIGNATED LANDSCAPED AND CAPPED AREAS

PROJECT: 140144
DATE: MARCH 2014
SCALE: 1" = 100'
DESIGN BY: LMG
REVIEW BY: PHH
FIGURE: 5