<table>
<thead>
<tr>
<th>Test Method</th>
<th>Manufacture/Supplier</th>
<th>Frequency</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D2248-97</td>
<td>W. W. Graff Associates</td>
<td>1 test per 1000 lb of cement</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Sieve Analysis:**
- ASTM D422-96: 1 test per 1000 lb of cement
- Standard: I.S. 108-1989
- Recommended: B-1004
- The Sieve Analysis shall be performed on a sample of the cement to determine the particle size distribution. The analysis shall be performed in accordance with the standard method specified.

**Reclaimed Limestone:**
- ASTM D434-98: 1 test per 1000 lb of cement
- Recommended: B-1004
- The Reclaimed Limestone samples shall be tested for physical properties in accordance with the standard method specified.

### 5.0.2 Material Properties

**Permeability:**
- ASTM D698-93: 1 test per 1000 lb of cement
- Recommended: B-5004
- The Permeability tests shall be performed on the cement to determine the permeability characteristics.

**Compression:**
- ASTM D698-93
- Recommended: B-5004
- The Compression tests shall be performed on the cement to determine the compressive strength.

**Sieve Analysis:**
- ASTM D2488-97: 1 test per 1000 lb of cement
- Recommended: B-1004
- The Sieve Analysis shall be performed on a sample of the cement to determine the particle size distribution. The analysis shall be performed in accordance with the standard method specified.

### 5.0.3 Liquefaction Tests

**Nuclear Density/Moisture:**
- ASTM D422-96: 1 test per 500 square yards of lift
- Required: B-5004
- The Nuclear Density/Moisture tests shall be performed on the compacted lift to determine the moisture content and density.

**Permeability:**
- ASTM D698-93
- Required: B-5004
- The Permeability tests shall be performed on the compacted lift to determine the permeability characteristics.

**Sieve Analysis:**
- ASTM D2488-97
- Required: B-5004
- The Sieve Analysis shall be performed on a sample of the compacted lift to determine the particle size distribution. The analysis shall be performed in accordance with the standard method specified.

### 5.0.4 Nuclear Density/Moisture

**Nuclear Density/Moisture:**
- ASTM D422-96: 1 test per 500 square yards of lift
- Required: B-5004
- The Nuclear Density/Moisture tests shall be performed on the compacted lift to determine the moisture content and density.

**Permeability:**
- ASTM D698-93
- Required: B-5004
- The Permeability tests shall be performed on the compacted lift to determine the permeability characteristics.

**Sieve Analysis:**
- ASTM D2488-97
- Required: B-5004
- The Sieve Analysis shall be performed on a sample of the compacted lift to determine the particle size distribution. The analysis shall be performed in accordance with the standard method specified.

### 5.0.5 Construction

**Compaction:**
- ASTM D698-93
- Required: B-5004
- The Compaction tests shall be performed on the compacted lift to determine the compaction characteristics.

**Sieve Analysis:**
- ASTM D2488-97
- Required: B-5004
- The Sieve Analysis shall be performed on a sample of the compacted lift to determine the particle size distribution. The analysis shall be performed in accordance with the standard method specified.

**Permeability:**
- ASTM D698-93
- Required: B-5004
- The Permeability tests shall be performed on the compacted lift to determine the permeability characteristics.

### 5.0.6 Nuclear Density/Moisture

**Nuclear Density/Moisture:**
- ASTM D422-96: 1 test per 500 square yards of lift
- Required: B-5004
- The Nuclear Density/Moisture tests shall be performed on the compacted lift to determine the moisture content and density.

**Permeability:**
- ASTM D698-93
- Required: B-5004
- The Permeability tests shall be performed on the compacted lift to determine the permeability characteristics.

**Sieve Analysis:**
- ASTM D2488-97
- Required: B-5004
- The Sieve Analysis shall be performed on a sample of the compacted lift to determine the particle size distribution. The analysis shall be performed in accordance with the standard method specified.