Sandstone Paving

1) Performance Specification:

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
<th>Tested by Std</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>Minimum 27.6 Mpa (Dry &amp; Wet)</td>
<td>ASTM C99</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>Minimum 2.4 Mpa (Dry &amp; Wet)</td>
<td>ASTM C99</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>Minimum of Ha 2</td>
<td>ASTM C1353</td>
</tr>
<tr>
<td>Moisture Absorption by Weight</td>
<td>Max 8% by weight</td>
<td>ASTM C97</td>
</tr>
<tr>
<td>Density</td>
<td>Minimum 2003 kg/cum</td>
<td>ASTM C97</td>
</tr>
</tbody>
</table>

2) Testing of Paving:

All proposed paving must have test results to confirm the above properties are fulfilled. Testing to be irrespective of orientation and be performed on exfoliated finished samples. The required methods and standards of testing are:

ASTM Standards:
- C97/C97M Test methods for absorption and bulk specific gravity of dimension stone.
- C119 Terminology relating to dimension stone.
- C170/C170M Test method for compressive strength of dimension stone.
- C241/C241M Test method for abrasion resistance of stone subjected to foot traffic.
- C880/C880M Test method for flexural strength of dimension stone.
- D7102 Test method – intact rock core specimens.

Australian Standards:
- AS4456.5-2003 Masonry units and segmental pavers and flags - Methods of test - Determining the breaking load of segmental pavers and flags
- AS4586-2004 Slip resistance classification of new pedestrian surface materials

3) Approval of Test Results:

The appropriate specimens should be prepared from the supplied samples and the above test work completed prior to supply of paving.

4) Use of Sandstone, Natural Stone and other non-standard paving materials:

Sandstone, Natural Stone and paving materials that are not included in the City of Perth Design and Construction Notes must be approved by the City of Perth. Prior to submission for approval, a sample shall be prepared and all required tests carried out. The tests required shall be determined through consultation with the City of Perth.