### Mulch Specifications
- **Washed Aggregate 10-20mm**

### Biofiltration Media Specifications
- **Sandy Loam Mix** (in accordance with FAWB guidelines)
  - **Saturation Hydraulic Conductivity**: 100mm/hr - 250mm/hr

#### Particle Distribution

<table>
<thead>
<tr>
<th>Description</th>
<th>Proportion</th>
<th>Gradation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay &amp; Silt</td>
<td>&lt;3%</td>
<td>&lt;0.05mm</td>
</tr>
<tr>
<td>Very Fine Sand</td>
<td>5-30%</td>
<td>0.05-0.15mm</td>
</tr>
<tr>
<td>Fine Sand</td>
<td>10-30%</td>
<td>0.15-0.25mm</td>
</tr>
<tr>
<td>Medium to Coarse Sand</td>
<td>40-60%</td>
<td>0.25-1.0mm</td>
</tr>
<tr>
<td>Coarse Sand</td>
<td>7-10%</td>
<td>1.0-2.0mm</td>
</tr>
<tr>
<td>Fine Gravel</td>
<td>&lt;3%</td>
<td>2.0-3.4mm</td>
</tr>
</tbody>
</table>

- **Total Clay and Silt Content**: ≤3%
- **Organic Content**: <5%
- **pH (1:5 in water)**: 5.5 - 7.5
- **Electrical Conductivity (EC)**: <1.2 dS/m
- **Total Nitrogen**: <1000 mg/kg
- **Orthophosphate (PO₄³⁻)**: <80 mg/kg

### Transition Layer Specifications
- **Coarse Washed River Sand or Recycled Crushed Glass Equivalent**
  - 90% particles retained above 0.25mm
  - **Saturation Hydraulic Conductivity**: >250mm/hr

### Submerged Zone Specifications
- **Mix of**
  - No Fine Drainage Gravel
  - 5% Organic Mulch (Sugar Cane Mulch)
  - 5% Hardwood Chips (not treated)

#### Acceptable Particle Distribution

<table>
<thead>
<tr>
<th>Particle Size</th>
<th>% Retained</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;7 mm</td>
<td>0%</td>
</tr>
<tr>
<td>4-7 mm</td>
<td>&gt;70%</td>
</tr>
<tr>
<td>2-4 mm</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>&lt;2 mm</td>
<td>0%</td>
</tr>
</tbody>
</table>

### Drainage System
- **Transit Layer (100mm thick)**
- **280mm Max ponding depth**
- **Submerged Zone (300mm thick)**
  - **100mm dia slotted PVC drainage pipe**
  - **Lintel**
  - **Bypass chamber**
  - **Inlet chamber**
  - **Non-standard drainage pit connection (submerged zone)**
  - **Drainage Network**
  - **90° bends**
  - **Riser**

### Notes
1. Back of kerb shall be constructed vertically and no excess concrete shall be poured in the raingarden.
2. Where structural stability of kerb & gutter is concerned, the kerb & gutter may be reinforced using reinforcement steel bars as per dwg #1.1.5.
3. The kerb material shall be selected in accordance with City of Sydney Street Code K&G (NOTES).