



RAINGARDEN MEDIA SPECIFICATION																						
<b>MULCH</b> - WASHED AGGREGATE 10-20mm <b>BIO FILTRATION SPECIFICATION</b> SANDY LOAM MIX (IN ACCORDANCE WITH FAWB GUIDELINES) - SATURATED HYDRAULIC CONDUCTIVITY 100mm /Hr - 250mm \Hr	<b>TRANSITION LAYER SPECIFICATIONS</b> COARSE WASHED RIVER SAND OR RECYCLED CRUSHED GLASS EQUIVALENT - 90% PARTICLES RETAINED ABOVE 0.25mm - SATURATED HYDRAULIC CONDUCTIVITY >250mm/Hr  <b>DRAINAGE LAYER SPECIFICATION</b> NO FINES DRAINAGE GRAVEL <table border="1"> <thead> <tr> <th>ACCEPTABLE PARTICLE DISTRIBUTION</th> <th>% RETAINED</th> </tr> </thead> <tbody> <tr> <td>&gt;7mm</td> <td>0</td> </tr> <tr> <td>4-7mm</td> <td>&gt; 70%</td> </tr> <tr> <td>2-4mm</td> <td>&lt;20%</td> </tr> <tr> <td>&lt;2mm</td> <td>0</td> </tr> </tbody> </table>	ACCEPTABLE PARTICLE DISTRIBUTION	% RETAINED	>7mm	0	4-7mm	> 70%	2-4mm	<20%	<2mm	0											
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<b>PARTICLE DISTRIBUTION</b> <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>PROPORTION</th> <th>GRADING</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>	DESCRIPTION	PROPORTION	GRADING	Clay & Silt	<3%	<0.05mm	Very Fine Sand	5-30%	0.05-0.15mm	Fine Sand	10-30%	0.15-0.25mm	Medium to Coarse Sand	40-60%	0.25-1.0mm	Coarse Sand	7-10%	1.0-2.0mm	Fine Gravel	<3%	2.0-3.4mm	- TOTAL CLAY AND SILT CONTENT ≤3% - ORGANIC CONTENT <5% - PH (1:5 IN WATER) 5.5 - 7.5 - ELECTRICAL CONDUCTIVITY (EC) <1.2ds/m - TOTAL NITROGEN <1000mg/kg - ORTHOPHOSPHATE (PO <sub>4</sub> <sup>3-</sup> ) <80mg/kg
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- NOTES**
1. BACK OF KERB SHALL BE CONSTRUCTED VERTICALLY AND NO EXCESS CONCRETE SHALL BE POURED IN THE RAIN GARDEN.
  2. WHERE STRUCTURAL STABILITY OF KERB IS A CONCERNED MATTER, THE KERB & GUTTER MAY BE REINFORCED USING REINFORCEMENT STEEL BARS REFER DWG# 1.1.15
  3. THE KERBS MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH CITY OF SYDNEY STREET CODE

SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED