



- 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

RAINGARDEN MEDIA SPECIFICATION	
TRANSITION LAYER SPECIFICATIONS COARSE WASHED RIVER SAND OR RECYCLED CRUSHED GLASS EQUIVALENT - 90% PARTICLES RETAINED ABOVE 0.25mm - SATURATED HYDRAULIC CONDUCTIVITY >250mm/hr	
SUBMERGED ZONE SPECIFICATIONS MIX OF - NO FINES DRAINAGE GRAVEL - 5% ORGANIC MULCH (SUGAR CANE MULCH) - 5% HARDWOOD CHIPS (NOT TREATED)	
ACCEPTABLE PARTICLE DISTRIBUTION	
PARTICLE SIZE	% RETAINED
>7mm	0
4-7mm	>70%
2-4mm	<20%
<2mm	0

RAINGARDEN MEDIA SPECIFICATION		
MULCH - WASHED AGGREGATE 10-20mm BIO FILTRATION MEDIA SPECIFICATION SANDY LOAM MIX (IN ACCORDANCE WITH FAWB GUIDELINES) - SATURATED HYDRAULIC CONDUCTIVITY 100mm /hr - 250mm /hr		
PARTICLE DISTRIBUTION		
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 (PO₄³⁻) <80mg/kg	
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

