



TYPICAL RAIN GARDEN SECTION

NOT TO SCALE

RAIN GARDEN MATERIALS KEY

SEE RAINGARDEN MATERIAL SPECIFICATION FOR DETAILS



MULCH LAYER

Min 50mm thick of 4-13mm particle size & free of fines. Type to be 10mm Hillview Quarry Grey aggregate.



FILTER LAYER

Min 300mm Filter Media. Use Burdettes Turf 200 or similar and amend to suit the following properties:-

1. SATURATED HYDRAULIC CONDUCTIVITY (HC) – to be in the range of 150-250mm/H. To be demonstrated through Lab test using ASTM F1815-06.

2. PARTICLE SIZE DISTRIBUTION (PSD) – Composition (W/W):

Description	Proportion	Grading
Clay & Silt	<3%	<0.05 mm
Very Fine Sand	5-30%	0.05-0.15 mm
Medium-Coarse Sand	40-60%	0.25-1.0 mm
Coarse Sand	7-10%	1.0-2.0 mm
Fine Gravel	<3%	2.0-3.4 mm

3. pH – Filter media is to have a pH 6.2-6.8 before delivery to site, add Dolomite as required.

4. ELECTRICAL CONDUCTIVITY (EC) – filter media EC to be <1.2 dS/m



UPPER FILTER MEDIA

Upper 150mm of filter media layer to be mixed with the the following to support plant growth:-

Superphosphate at 300 Grams/m³

Potassium Nitrate 300 Grams/ m³

Trace Element mix (Micromax or approved equivalent) 300 Grams/ m³



TRANSITION LAYER

100mm thick layer of washed A3 filter sand (Vic Roads) or equivalent no fines with 90% particles retained above 0.25mm.



DRAINAGE LAYER

Min 150mm thick layer of 4-7 gravel – free of fines and degradable material. Acceptable particle size distribution:-

PARTICLE SIZE (mm)	% RETAINED
Greater than 7.0	0
4.0 – 7.0	Greater than 70
2.0 – 4.0	Less than 20
Less than 2.0	0



SCALE: AS SHOWN

DATE: Dec 2012

APPROVED:

DRAWN: P.J.D.

CHECKED: DS

INFRASTRUCTURE MANAGER

RAIN GARDEN TYPICAL DETAIL

LAST AMENDED:

June 2013

SD 270

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