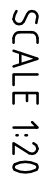


NOTE:
PIT TO BE DESIGNED
BY STRUCTURAL ENGINEER



CONSTITUENT	QUANTITY (kg/m ² OF FILTER MEDIA)
GRANULATED POLYBUTYLENE MAINE FIBERS	50
SUPERPHOSPHATE	2
MAGNESIUM SULPHATE	2
POTASSIUM SULPHATE	3
TRIAE ELEMEN MIX	1
FERTILISER NPK (16, 4, 14)	20
LIME	4

PRIOR TO PLANTING, THE TOP 100mm OF THE BIORETENTION FILTER MEDIA IS TO BE AMELIORATED WITH APPROPRIATE ORGANIC MATTER, FERTILISER AND TRACE ELEMENTS TO AID PLANT ESTABLISHMENT AS PER THE TABLE BELOW:

PLANTS TO BE IN ACCORDANCE WITH PENRITH COUNCIL WUSD HANDBOOK PART 5 - VEGETATION SELECTION GUIDE, WITH A MINIMUM OF SIX DIFFERENT SPECIES.

DRAINAGE LAYER TO BE CLEAN GRAVEL 5-7mm

ENSURE CAPABILITY OF SUPPORTING PLANT LIFE.

c. PHOSPHOROUS CONTENT TO BE NO GREATER THAN 35mg/kg

AND TO BE NO GREATER THAN 5% (W/W).

FILTER MEDIA THAT DOES NOT MEET THE FOLLOWING CRITERIA SHALL BE REJECTED:

FILTER MEDIA TO HAVE THE FOLLOWING COMPOSITION RANGE

CLAY & SILT (<0.05mm)

EINE SAND (0.15-0.25mm)

MEDIUM TO COARSE SAND

(COARSE SAND (1.0-2.0mm)	7-10%
FINE GRAVEL (2.0-3.4mm)	<3%

BIO-RETENTION NOTES:

FILTER MEDIA TO BE LOAMY SAND WITH A PERMEABILITY NOT LESS THAN 200mm/hr. FILTER MEDIA TO BE FREE OF RUBBISH, DELETERIOUS MATERIAL, TOXICANTS, DECLARED PLANTS AND LOCAL WEEDS, AND IS TO NOT BE HYDROPHOBIC.

FOR S75W APPROVAL

CostinRoe Consulting

Value in Engineering and Management

DRAWING TITLE
CONCEPT STORMWATER
DETAILS-SHEET 2

DRAWING NO
C011888.04-DA4

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