Eco-Green System

Establish Ecology on Concrete Slope

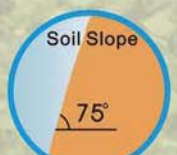
Shotcrete Surface | Rock Filled Slope | Soil Slope





Vegetation Objective

Maximum Application Gradient



Maximum Application Gradient



Erosion Control



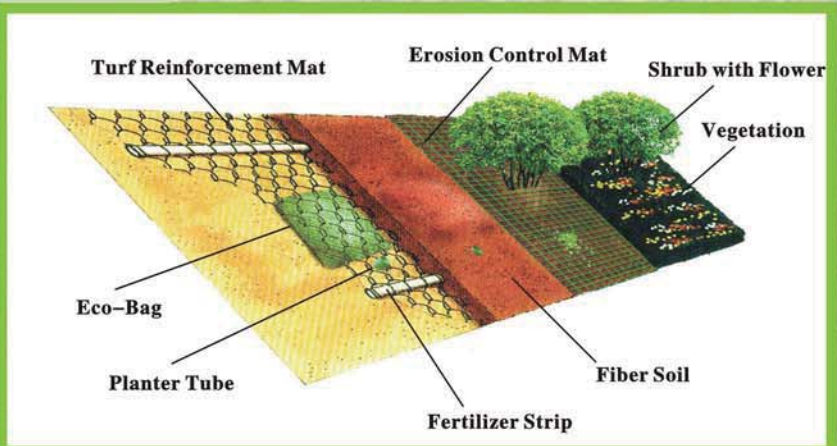
Prefabricated Seed & Fertilizer



Maintenance Free



Structure



Eco-Bag is a UV resistance PVC bag filled with fiber soil which provides adequate thickness of planting media for the anchoring and establishment of woody tree and shrub species.

Advantages :

1. High bio-diversity of plant species
   - Pioneer grass species
   - Native tree and shrub species
   - Nitrogen fixing species
   - Shade tolerance herb
   - Annual and perennial wild flower
2. Self recycle of organic soil nutrient
3. Surface erosion control
4. Encourage inhabitants
5. Reduce surface water run off

INSTALLATION PROCEDURE



1. Fixing of Eco-Bag



2. Fixing of Turf Reinforcement Mat & Fertilizer Strip



3. Spraying of Fiber Soil



4. Fixing of Erosion Control Mat



5. Tube Planting of Climber



6. Pit Planting of Shrub

PROPOSED NATIVE PLANT SPECIES

Tree



Gordonia axuillaris
大頭茶



Mallotus paniculatus
白楸

Shrub



Rhaphiolepis indica
車輪梅



Melastoma sanguineum
毛稔

Herb



Hymenocallis americana
蜘蛛蘭



Spathiphyllum kochii
白掌

Climber



Arachis duranensis
蔓花生



Lonicera japonica
金銀花

Fern



Nephrolepis exaltata
劍蕨



Selaginella uncinata
翠雲草

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