

Principles of Environmentally Sustainable Design

Fall Course - Class 8

Resources Quality & Unique Design

Improving projects through
environmental assets

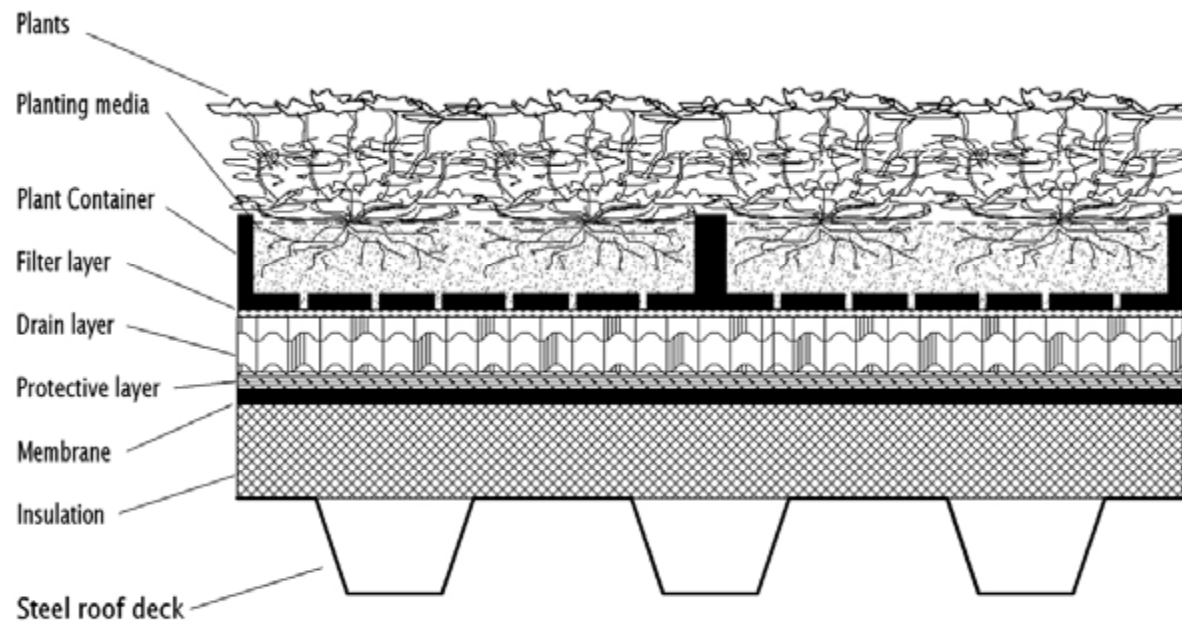
Advantages of Environmental Assets

- Green Roofs - Manage Food Growth
- Grey Water Systems – Manage Water
- Solar / Wind Systems – Manage Energy
- Recycling Systems – Manage Waste
- Environmental Controls – Manage Operations

Investigating the Green Roof

Extensive Green Roof Construction

Cross section of basic elements



Challenges



Determining Right System

- Climate
- Annual Rainfall / Water levels
- Availability for Solar Harvesting
- Conditions for Wind Harvesting
- Distance from Sea Water / Aquifers
- Soil Composition
- Air Quality

Outcomes

- Valuation of Environmental Assets
- Greening of the Lease – managing Environmental Assets
- New Revenues / Fees – Resources supplied by Environmental Assets
- New Property Valuation

Hanging Gardens of Babylon

