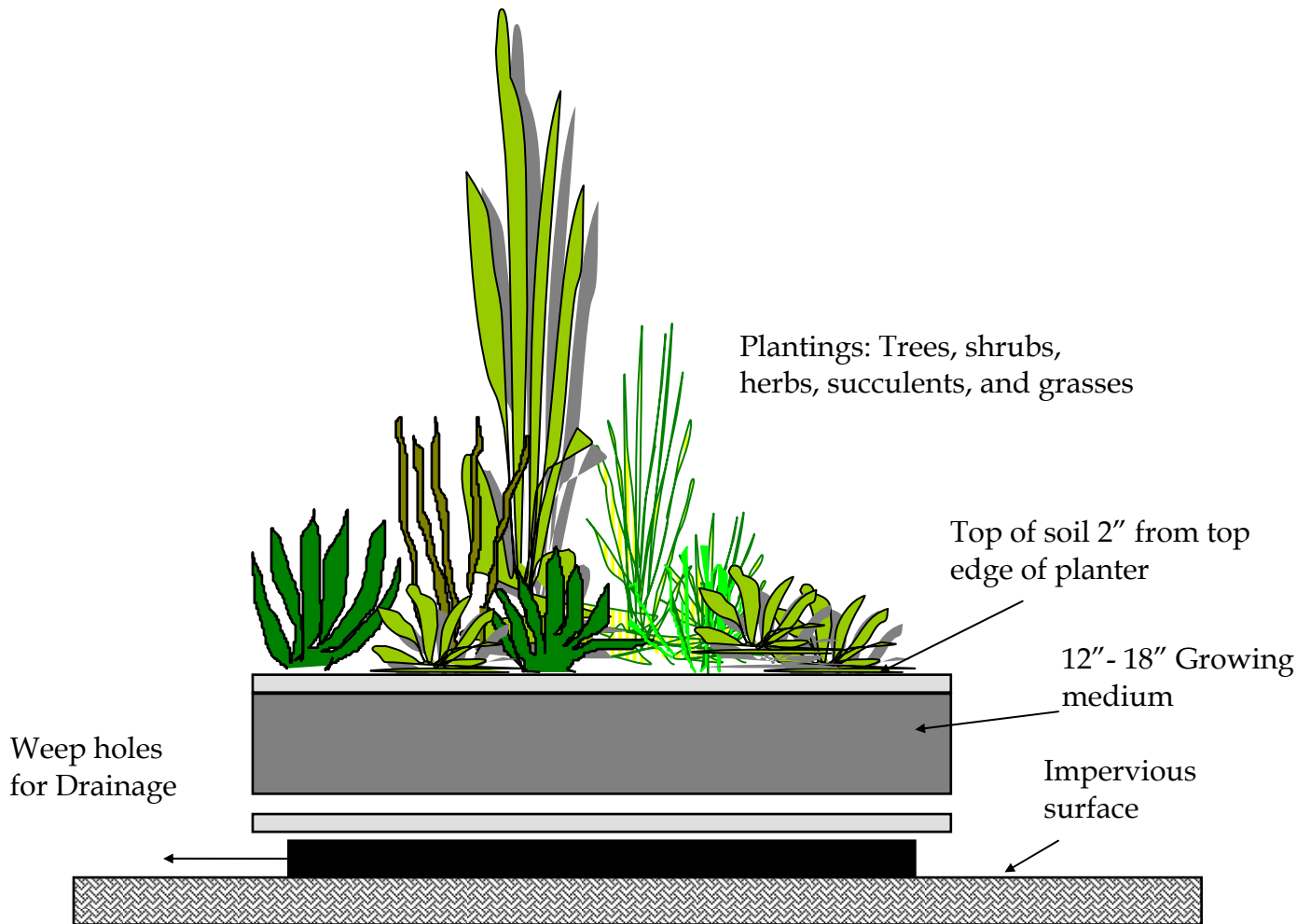


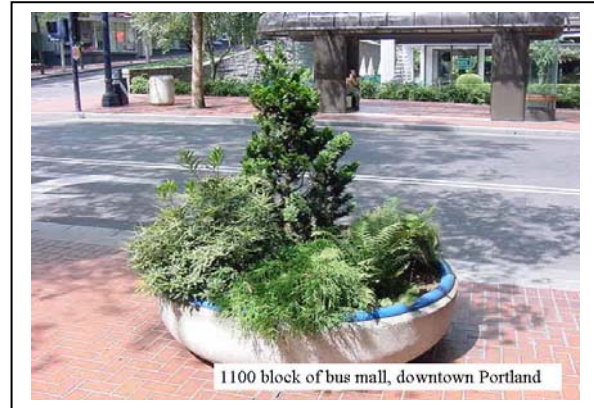
Contained Planter



Section Not to Scale

<u>Stormwater Management Goals Achieved</u>	<u>Acceptable Sizing Methodologies</u>
√ Impervious Area Reduction.....	SIM
√ Pollution Reduction.....	SIM
√ Flow Control.....	SIM
Destination.....	NA
This facility is not classified as an Underground Injection Control structure (UIC).	
SIM=Simplified Approach, PRES= Presumptive Approach, PERF= Performance Approach	
Note: This facility is an impervious area reduction technique. It may be placed over sidewalk, parking lot, flat roof, and plaza areas to reduce the effective impervious area.	

Contained Planter



Description: Contained planters are used for planting trees, shrubs, and ground cover for placement over impervious surface. The planter may be a prefabricated pot of various dimensions or may be constructed in place and have an infinite variety of shapes and sizes. Contained planters accept precipitation only, not stormwater runoff. Planters are placed on impervious surfaces, such as sidewalks, plazas and rooftops. Drainage is allowed through the bottom of the planter onto the impervious surface.

Design Considerations: Plants shall be relatively self-sustaining, with little need for fertilizers or pesticides. Irrigation is optional, although plant viability must be maintained. Planters tend to dry out more quickly due to reflective heat. Insulation to protect roots may be necessary. Trees are encouraged and may receive added stormwater management credit on the tree credit section of Form SIM.

Design Requirements:

Soil Suitability: Contained planters are appropriate for all soil types, as they are placed over impervious surface. Topsoil shall be used within the top 12 to 18 inches of the facility.

Setbacks: Not applicable.

Planter Walls: Planter walls shall be made of stone, concrete, brick, clay, plastic, wood, or other stable material. Chemically treated wood that can leach out toxic chemicals and contaminate stormwater shall not be used.

Sizing: Contained planters are given stormwater management credit for the square footage of impervious surface that they cover, at a 1 to 1 ratio.

Landscaping: Contained planters shall be planted to cover at least 50% of the planter surface.

Trees located in contained planters may be used to meet Tree Credit requirements.

Contained Planter

Checklist of minimal information to be shown on the permit drawings:

- 1) Facility dimensions and location
- 2) Planter wall material specification
- 3) Growing medium specification
- 4) Landscaping plan

Inspection requirements and schedule: The following table shall be used to determine which stormwater facility components require City inspection, and when the inspection shall be requested. Please note that, while not all facility components may require an inspection call, inspectors will inspect for all required components in the field.

Facility Component	Inspection Requirement
Structural planter components	
Growing medium	
Plantings	Call for inspection

Operations and Maintenance requirements: See Chapter 3.0.

Contained Planter

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