

19.03-3L Water sensitive urban design

Proposed C269yara

Policy application

This policy applies to applications for:

- The construction of a building.
- An extension to an existing building that is 50 square metres in floor area or greater.
- Subdivision of land in a commercial zone.

This policy does not apply to an application for the subdivision of an existing building.

Objective

To achieve the best practice water quality performance objectives set out in the *Urban Stormwater Best Practice Environmental Management Guidelines*, CSIRO 1999 amended).

To mitigate the detrimental effect of development on downstream waterways, by the application of best practice stormwater management through water sensitive urban design for new development.

To minimise peak stormwater flows and stormwater pollutants to improve the health of water bodies, including creeks, rivers and bays.

To reintegrate urban water into the landscape to facilitate a range of benefits including microclimate cooling, local habitat and provision of attractive spaces for community use and well-being.

Strategies

Improve the quality of stormwater and reduce the flow of water discharged to waterways including through:

- Collection and reuse of rainwater and stormwater on site.
- Vegetated swales and buffer strips.
- Rain gardens.
- Water recycling systems.
- Infiltration, including porous paving and permeable trenches/sumps.
- Directing flow from impervious ground surfaces to landscaped areas.
- Use of silt traps and other measures during construction.

Use measures to prevent litter being carried off-site in stormwater flows, including:

- Waste enclosures and storage bins.
- Litter traps for developments with the potential to generate significant amounts of litter.

Encourage green roofs, walls and facades on buildings where practicable (to be irrigated with rainwater/stormwater) to enhance the role of vegetation on buildings in managing the quality and quantity of stormwater.

Incorporate works to maintain or improve the quality of stormwater within or exiting the site.

Avoid adding to the storm water discharge or adversely affecting water quality entering the drainage system.

Policy guidelines

Consider as relevant:

- Best practice stormwater management as set out in the *Urban Stormwater Best Practice Environmental Management Guidelines* (CSIRO, 1999).
- The following tools (or equivalent):

- Melbourne Water's STORM Calculator.
- Model for Urban Stormwater Improvement Conceptualisation (MUSIC).
- The level of ongoing management required to achieve and maintain the desired stormwater quality measures that will be used during the construction phase to prevent a loss of stormwater quality as a result of building activities, such as silt traps.

Expiry

This policy will expire when superseded (as determined by the Minister for Planning) by Water Sensitive Urban Design provisions in the Victoria Planning Provisions or the Building Code of Australia Regulations, whichever happens first.