

Detailed design

Checklist to assist in the assessment of Clause 56.07-4

Introduction

This checklist provides a recommended list of considerations to ensure the required information is submitted in the detailed design stage and that the design is appropriate, in order to satisfy the stipulated permit conditions. Each statement should be satisfied before proceeding; if the required information has not been submitted then council should request further information from the application. This checklist is a recommendation only and it is recognised that councils may have a checklist of local requirements that should be followed.

Detailed design checklist

Yes	No
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Is the detailed design generally consistent with the conceptual design?

Is the design deliverable?

Consider:

- hydraulic functionality (e.g. flow routing and capacity, also considering the receiving drainage system downstream);
- WSUD treatment sizing relative to catchment area;
- space requirements (including impact on dedicated open space and landscaping areas);
- structural issues (e.g. WSUD impact on nearby roads/buildings)
- public safety (e.g. batter slope gradient, step-downs, access to water bodies, etc.); and
- maintenance requirements (e.g. access for staff/machinery, slope)

Is the flow modelling consistent with the detailed design plans (an amended model may be required if significant changes have occurred between conceptual and detailed design)?

Is the stormwater quality model consistent with the detailed design plans (an amended model may be required if significant changes have occurred between conceptual and detailed design)?

Have appropriate parameters been used in the stormwater quality model?

Tip - if within Melbourne Water's water management boundary refer Melbourne Water's MUSIC Guidelines which can be downloaded from www.melbournewater.com.au

Is the Drainage/WSUD Plan consistent with the other plans (e.g. site layout or landscaping plans) submitted?

Detailed design checklist

Yes	No
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Does the detailed design meet the Clause 56.07 (USBEPMG) water quality targets?

That is, a reduction in typical urban annual loads of:

- 80% for Total Suspended Solids;
- 45% for Total Nitrogen;
- 45% for Total Phosphorous; and
- 70% for Gross Pollutants?

Are discharges for 1.5 year Annual Recurrence Interval (ARI) maintained at pre-development levels?

Does the design satisfactorily provide every lot with drainage?

Does the design comply with all Council-specific guidelines/requirements?

Does the detailed Site Management Plan submitted satisfy the requirements of Clause 56.08 and adequately protect the WSUD and environment from construction impacts?

Are the proposed contractual management arrangements for maintenance and handover (where relevant) of the WSUD system acceptable to council, including defects liability?

Have all conditions required by referral authorities have been satisfied?

Condition compliance and release of subdivision

Upon completion of this checklist, the requirements of Clause 56.07-4 should have been met. Once all planning permit conditions have been satisfied (Statement of Compliance will be required from referral authorities who have set permit conditions), the subdivision may be released.