

## Purpose

This quality assurance checklist is to be used for Wastewater Networks Designs in Land Developments to ensure that key design items and standards have been addressed prior to an SA Water audit being undertaken.

All items require a response. Any requirements marked “no” should be supported with comments.

## Development Details

Developer/Project Details	
Developer Name	
Development Name	
Number of Allotments	
Suburb	
Drawing Number/s	
Contract Number	
SA Water Docket Number	
Audit Submission Number (e.g. 1, 2 etc.)	

Accredited Consultant Details	
Designer Name	
Phone	
Email	

## Use of this Checklist

For all design submissions, the checklist overleaf shall be completed and signed by the Chartered Engineer responsible for the technical content of the design drawings and provided to SA Water along with the design drawings.

The Chartered Engineer is responsible for ensuring each drawing has been design to SA Water standards and has been reviewed for quality and consistency prior to submission.

Checklist for Audit			
Has concept design been considered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Are details consistently referenced on all sheets?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Is the Safety in Design Report attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>	Are all allotments serviced?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Is an updated Safety in Design Hazard register provided, which has been updated during detailed design? <sup>2</sup>	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>	Is detail included for 'non-standard' elements (e.g. road crossings or bored installations)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Have drawings been checked and signed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Are main sizes and materials correct?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Is the drawing title block complete?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	For >DN375, has approval been sought for pipe fittings?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Have internal and external easements been shown?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Is main correctly located (allocation of space)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Is drawing information clear and legible?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Are connection sizes and depths correct?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Is stage boundary clearly shown?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Have WSA02 service clearances been achieved?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Are drawings at correct scale?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Are ties shown to all appurtenances and bends?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Are contract and connection notes completed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Are SWD's shown?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Are existing/future mains shown and labelled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Are start/finish chainages shown for 'standard' doglegs in rising mains?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Is north point correctly orientated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Is fitting schedule complete and correct?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Are appurtenances correctly used and spaced?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Does long section detail the sewer, connections, inverts, grades etc.?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Are existing/design levels shown on plan?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Has availability been considered and shown?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

## Notes:

- 1) **This information is mandatory.** If not supplied, the audit will not proceed, and the design will be returned.
- 2) The expectation of this document is that it contains atypical hazards, evidence of consultation and co-operation with stakeholders as well as the control measures identified in the design.

Comments	

Chartered Engineers sign-off	
Chartered Engineer Name	
Chartered Engineer Membership Number	
Phone	
Email	
Signature	

For internal use	
Reviewing Officer	
Date	
Can SA Water Audit proceed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

## Document Control

<b>Approved by</b>	Principal Engineer, Reticulation Networks
<b>Effective Date</b>	22/03/2022
<b>Next Review Date</b>	-
<b>Documents superseded by this document</b>	<ul style="list-style-type: none"><li>• Wastewater Design Drawing Checklist for Land Development Networks</li><li>• Safety in Design Checklist – Water and Wastewater</li></ul>

## Version History

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Comments</b>
1.0	22/03/2022	Davis, Matthew	Final.