

Stormwater Construction Certification



Document Number: F18/596 (18/173681)

Note: this form has been designed for properties in Bayside West: Arncliffe; Banksia; Bardwell Park; Bardwell Valley; Bexley; Bexley North; Brighton Le Sands; Carlton; Dolls Point; Kingsgrove; Kogarah; Kyeemagh; Monterey; Ramsgate; Ramsgate Beach; Rockdale; Sandringham; Sans Souci, Turrella and Wolli Creek however, if applicable, it can be used for properties in Bayside East.

The information requested on this form is required to be submitted to the Principal Certifying Authority together with the Work-as-Executed drainage plans when lodging the Occupation Certificate or application for Positive Covenant/88 Instrument. Please tick and sign the appropriate box and attach the information as requested.

- Where drainage elements were uncompleted at time of inspection these need to be noted and a copy of the letter/certificate to builder detailing corrections attached.
- Where various drainage elements were altered, or deliberately un-constructed, or an alternate design constructed, a detailed report is to be attached justifying why these elements could not be completed or changed. In some instances this may require a Section 4.55 application to amend the drawings.

Property and Development Details			
Unit No.		Street No.	Street
Suburb			Postcode
Type of Development			
Designer Details			
Ms/Mr/Mrs/ Other (please circle)	Given Name(s)		Surname
Street Address			
Company Name (if applicable)			
Mailing Address (if different)			
Daytime Telephone No. (Home/Work)		Mobile No.	
Email Address			

I certify that the drainage design is in accordance with the Technical Specification and DCP and I am practising in my area of competence and have the accreditation required. I acknowledge that where I am not competent Council has the right to recover from me the reasonable costs of the time spent assessing this design.

Design Certification			
Design Certifiers Name		Design Certifiers Signature	
Professional Qualifications		Date	:...../...../.....
Accreditation Organisation		Accreditation Reference	
Contact Details if Different to Designer Above			

Privacy Statement

The personal information provided on this form (including your name and other details) will be handled in accordance with the Privacy and Personal Information Protection Act 1998 and may be available to the public under various legislation. Refer also to the Privacy Statement on Council's website.

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DRAINAGE CONSTRUCTION CHECKLIST**Property Address:** **Date:**/...../.....

How to complete this checklist.

- I. Where the "Construction Requirement" applies to this particular development mark as applicable Yes/No.
- II. Where the construction certifier has marked a requirement as applicable, tick one of the next two columns to indicate whether this has been satisfactorily completed, or not. Tolerances are given below for some items to guide whether the work is satisfactory or not.
- III. Where the work is unsatisfactory two outcomes are possible:
 - a. Builder has not completed element at this time. Certifier to include in list of outstanding works to builder and attach a copy. Drainage Construction Certificate should be delayed until rectification works are complete
 - b. Variation is required from original design. Additional information is to be provided to the PCA to justify the non-compliance.

Construction Tolerances

Pit Sizes	-10% to + no limit
Grate Sizes	-15% to + no limit
Pipe Grade	-10% to + no limit
Rainwater Tank Volumes	-5% to + no limit
Volumes - Stormwater Reuse	-10% to + no limit
Volumes - OSD and OSR	-10% to + no limit
OSR Base Areas	-10% to + no limit
Orifice Sizes	-20% to + 5%
Design Orifice Depth	-15% to + 15%
Freeboard	- 30 mm to + no limit
Emergency Overflow	Must be provided to detention and retention systems.

Construction Requirements	Applies (Yes/No)	Design Complies (Yes/No)	If No, Justification for Variation
General Requirements			
• Work-as-Executed Plan(s) Attached			
• List of Outstanding Works Attached			
• List of Variations Attached			
• Floor Levels (Habitable & Garage/parking)			
• Minimum Freeboard to habitable floor levels			
Roof Drainage Systems			
• Eave, box and valley gutter size			
• Eave, box and valley gutter details			
• Downpipe location & spacing			
• Downpipe size			
• Charge pipe cleanout pit(s) provided			

Construction Requirements	Applies (Yes/No)	Design Complies (Yes/No)	If No, Justification for Variation
<i>Surface Drainage Systems</i>			
• Pipe size			
• Pipe grade			
• Pipe class			
• Pipe cover			
• Kerb adapter fitted for kerb discharge			
• Kerbs or collection system • provided along boundary			
• Overland flow path location			
• Overland flow path detail/section provided			
• Flow through fence provided as per plans			
• Pit location			
• Pit size			
• Pit invert levels			
• Pit surface levels			
• Pit detail/section			
• Child proof locks provided to grates			
• Driveway trench grates location and size			
• Trench grates bolted down in large residential/commercial developments			
<i>Subsoil drainage</i>			
• Subsoil drain location			
• Subsoil drain size			
<i>On-site Detention (OSD)</i>			
• OSD location			
• OSD volume above ground			
• OSD volume below ground			
• Minimum depth of tank provided • for OHS			
• Orifice plate fitted, sealed and correct orifice size(s)			
• Maximesh Screen(s) Fitted			
• Silt trap, seepage holes & removable geotextile provided			
• Sewer vent raised above max above ground storage			
• Emergency Overflow Provided			
• Step irons / ladders provided			
• Satisfactory connection point to Council system			
• Warning signs provided			

Construction Requirements	Applies (Yes/No)	Design Complies (Yes/No)	If No, Justification for Variation
<i>On-site Retention (OSR)</i>			
• OSR location			
• OSR base area			
• Maximesh screen fitted			
• Silt trap, seepage holes & removable geotextile provided			
• OSR volume in pits and trench			
• OSR volume above ground			
• OSR detail/section			
• Emergency Overflow Escape Route Provided			
• Warning signs provided			
<i>Pumped discharge systems</i>			
• Pump storage location			
• Pump storage volume			
• Pump discharge			
• Pump storage detail/section			
• Minimum pump pit size with step irons if applicable			
<i>Ancillary (where applicable)</i>			
• Reflux valves			
• Connection to Council pipes			
• Rainwater tank volumes			
• Rainwater tank location			
• Rainwater tank overflow detail			
• Rainwater used as per BASIX or Council requirements			
• Rainwater pump fitted			
• Driveway profile protects Low Level Driveways			
• Groundwater Recharge Trench			
• Silt/litter arrestor pit provided			
• Stormwater Reuse System Volume			
• Stormwater reuse pump fitted			
• Step irons fitted to reuse tank if required			
• Approved uses of reuse water provided			
• Car park water treatment provided			
• Car wash areas provided			
• Other WSUD Requirements			

For OSD Systems Only: Works-As-Executed Discharge Calculation50/100 Year ARI Storm: $h_{so} = \dots\dots\dots rrl$ PSD = $\dots\dots\dots$ litres/sec2 Year ARI Storm: $h_2 = \dots\dots\dots m$ $D_2 = \dots\dots\dots MM$ $Q_2 = \dots\dots\dots$ litres/sec