

**STORMWATER DRAINAGE CONNECTION  
INFORMATION**

**CITY  
OF  
SYDNEY**



**FOUNDED 1842**

## Stormwater Drainage Connection Information

**Introduction:** This information is intended to provide a summary of the guidelines for connection to the City of Sydney's stormwater drainage system.

a) When the City's approval is required

The property owner (or a person authorised by the owner) must apply to the City of Sydney for approval to connect private drainage pipes to the City of Sydney's stormwater drainage pipes and gully pits. Approval is required under section 68 of the Local Government Act 1993 and must be obtained **prior to issue of the construction certificate**.

Minor works that consist of gravity discharge of stormwater via downpipe to the kerb may be approved by a private certifier. Discharge of seepage water through kerb outlets using a **timed** pump may also be privately certified.

Contact the City's Land Information Officer to determine whether stormwater drainage pipes are owned by the City. Many drainage pipes in the city are owned by Sydney Water or other public utility authorities.

b) What is required

- An "Application for Approval of Stormwater Drainage Connections" must be lodged at the City's One Stop Shop or Neighbourhood Service Centres.

Payment of fee as determined by The City's "Schedule of Fees and Charges" The City charges a fee for inspecting drainage works and an additional fee will be charged for each direct connection to the City's gully pits or drainage pipes.

Design proposal prepared by a qualified Civil Engineer or Hydraulic Consultant showing:

- i) Proposed point of connection to the City's drainage system, either to the kerb or a gully pit or drainage pipe.
- ii) The pipe diameter, construction material and grade.
- iii) Depth of proposed pipe below surface of road or footway.

c) Design Guidelines/Requirements

i) General

The owner may discharge stormwater, sub-soil water, de-humidification water, planter box water and sprinkler test water into the drainage system, and must not discharge or allow to be discharged any polluted water into the drainage system.

Dry-weather flow will not be permitted through kerb outlets unless the water is stored on-site and discharged using a **timed** pump between the hours of midnight and 4.00am.

The pavements and any surfaces of the public way disturbed or affected by the installation or maintenance of drainage will be restored at the expense of the owner of the property.

#### ii) Requirements for On-Site Detention (OSD)

##### - Connection to Sydney Water or Other Public Utility Authority Drainage System

For development sites that connect directly to the Sydney Water or any other public utility authority drainage system, approval is subject to the owner complying with on-site detention conditions imposed by the owner of the drainage system.

##### -All other Development Sites and Subdivision Sites

For all sites generally greater than 250 m<sup>2</sup> OSD is required in accordance with the current Sydney Water guidelines. That is, the 100yr Average Recurrence Interval (ARI) post-development site run-off must be limited to the pre-development 5yr ARI site run-off. All run-off must pass through a silt trap located on the site, before entering the City's drainage system.

For sites < 10,000 m<sup>2</sup> the applicant may make a case to the City for exemption from the OSD requirements based on site size, nature of development and proximity to the receiving waters.

#### iii) Kerb Connections

- The maximum size of private drainage lines connecting to the City's kerb shall be 150mm x 100mm or circular pipes of 100mm diameter.
- All private drainage lines under the footpath must be laid at right angles (approx.) to the building line and/or kerb line. Private pits or manifolds are not permitted.
- A maximum number of three (3) stormwater drainage outlets shall be located in a set at any one point along the kerb and the minimum distance between the centre lines of each outlet shall not be less than 300mm.

The distance between sets of drainage outlets shall not be less than 6 metres. The City's Asset Inspectors, Service and Quality Division, will have holes cut in the kerb for the outlets of each pipe if required.

- The private drainage lines beneath the footpath are to be constructed of uPVC pressure pipe (Class 12 to AS 1477) with a minimum wall thickness of 5mm. Mild steel is satisfactory if heavily galvanised and provided the wall thickness is a minimum of 4mm.

#### iv) Underground Connections

For any underground connection to either a pipe or gully pit, approval is subject to the owner entering into a Deed and Positive Covenant with the City of Sydney.

#### v) Discharge from balconies

The City does not allow the installation of overflows from balconies, as a primary means of drainage. Overflows may be used for emergency drainage, in which case they must be a minimum of 50mm above the floor level.

#### vi) Temporary site discharge

Temporary discharge from construction sites must comply with the Landcom manual 'Managing Urban Stormwater – Soils and Construction'. Compliance must be certified by an environmental consultant.

#### d) Requirements for carrying out the work

#### i) Permits and conditions for work on the public way

The owner must:

- obtain a Road Opening Permit (or such other permit as is required under the Roads Act) from the City's One Stop Shop, Level 2, Town Hall House, 456 Kent Street, or from either of the City's Neighbourhood Service Centres, prior to commencement of work within the public way.
- ascertain the location of the services of the various statutory bodies in the public footway before the connections beneath the footway are commenced.
- pay all costs of and incidental to any diversion required, as well as for damage that might be caused to these services.
- Pay any inspection fees required.
- Contact the City's Development Engineer prior to commencement of work.

All drainage work must be carried out

in accordance with AS/NZS 3500.3:2003-Stormwater Drainage Systems and the Local Government (General) Regulations 2005.

- in accordance with the approved drawings, the requirements and under the supervision of the City's representative.
- such that excavation for the connection to the City's stormwater system is backfilled and consolidated by the owner to the reasonable satisfaction of the City.

ii) Qualified personnel

All work must be carried out by the holder of a permit issued in accordance with the Plumbing and Drainage Code of Practice as per clause 20 of the Local Government (General) Regulations 2005.

iii) Certification of Completed Work

For major developments, certification is required by a civil engineer/hydraulic consultant that drainage works have been constructed to the approved drawings. A copy of that certification is to be forwarded to the City.

e) Contacts

The Land Information Officer may be contacted on telephone 9265 9015, facsimile 9265 9415.

The Development Engineer may be contacted on telephone 9265 9105 or 9246 7899, facsimile 9265 9566.

The Sydney Water Urban Development Officer may be contacted on telephone 9350 4473, facsimile 9350 4228.

f) Forms

i) The “Application for Approval of Stormwater Drainage Connections” may be downloaded by clicking the icon below or from the City’s One Stop Shop or Neighbourhood Service Centres.

