

Standard Conditions for Approval of Building Plans

By accepting approval of building plans in the Solo Water scheme at the Beaches Development Catherine Hill Bay you are agreeing to the following conditions that must be complied with to be able to connect to the system.

Pre-Construction

1. Prior to commencing construction, the builder responsible for the site must contact Solo Water to arrange a pre-construction induction with Solo Water site personnel.
2. The builder is responsible to ensure all employees and subcontractors are made aware of the responsibilities via building site inductions.

Connection to Services

1. Prior to commencing construction please apply to Solo Water for connection to services using the application form at www.solowater.com.au/downloads. Once the connection application is finalised:
 - a. Solo Water must be contacted to arrange supply of the drinking water meter for installation by your licenced plumber at the start of construction for the builder's water supply;
 - b. Solo Water must be contacted to arrange a time to witness any connection or repair to the sewerage connection point on the Solo Water sewerage network before the work is backfilled. Solo Water must witness any new connection to an existing sewer that then connects to the Solo Water sewerage network before the work is backfilled;
 - c. Solo Water must be contacted once all internal and external plumbing is complete to arrange final inspection and verification of all plumbing compliance documents and witnessing of the cross-connection test. Once all compliance checks have been done the recycled water meter will be issued to your licenced plumber for installation.

Solo Water Easements

1. No building work is permitted inside Solo Water easements.
2. No excavation and filling inside Solo Water easements.

Protection of Solo Water Assets during Construction

1. Prior to commencement of any excavation the builder is responsible to engage a professional services locator and licenced surveyor to identify and mark out all Solo Water assets;

Warning: There is an underground 240 Volt power supply to each Pressure Sewer Unit that runs from the street to the Pressure Sewer Unit.

2. All Solo Water assets on the property are to be fenced off and kept outside of the building construction site so that Solo Water is provided 24 hour 7 days a week access to the assets for operations and maintenance purposes;
3. Any excavation within 1 metre of a Solo Water asset is to be undertaken using hand tools only;
4. Avoid all ponding of water around Solo Water assets during construction;
5. All Solo Water assets are to be located outside of sediment control fencing;
6. The builder is responsible to prevent stormwater entry into the sewer during construction including temporarily capping/sealing any slab sewer drainage connections point prior to roofing being completed (Note: this is required to eliminate a potential sewer overflow as a result of uncontrolled stormwater management on the site);
7. The builder must immediately notify Solo Water of any damage to Solo Water assets that occurs during building construction. The builder is responsible to cover the cost of all rectification works required to Solo Water assets.

Zone of Influence of Underground Assets

1. No building works are permitted inside the 2:1 (2 horizontal: 1 vertical) Zone of Influence of any Solo Water underground assets;
2. All driveways with an underlying sewerage pipe must maintain the minimum of 750 mm cover on top of the sewerage pipe;
3. For any building works near the 2:1 zone of influence footprint of any Solo Water asset, or where the minimum cover to a sewerage pipe under a driveway is reduced to <750 mm, Solo Water must be provided the following:
 - a. A certified design prepared by a Chartered Professional Engineer certifying that the proposed building works will be constructed below the Zone of Influence and will not impact on the assets;
 - b. Work as Executed Drawing certified by the Chartered Professional Engineer certifying the works have been constructed to the certified design; and
 - c. A liability statement confirming that any damage to Solo Water assets caused by building works inside the Zone of Influence will be rectified at full cost to the home owner.

Requirements for Pools and Spas

1. All pools must use a non-backwashable cartridge type filter;
2. Media filters and filters that require backwash are prohibited;
3. Pools are not permitted any connections to sewer what so ever;
4. A stormwater pit or channel drain must be provided near the pool to take all stormwater from the pool area. Any pool water discharged to the stormwater drainage must also meet Lake Macquarie City Council requirements;
5. A drinking water tap must be provided adjacent to the pool for filling;
6. Recycled water can not be used to fill pools;
7. No pool water can be discharged to a sewer Overflow Relief Gully (ORG);
8. Any earthworks, landscaping, concreting, paving or similar relating to the pool must not result in stormwater and/or excess pool water entering the sewer system or sewer trench.

Plumbing Compliance

1. All plumbing work is to be undertaken by a licenced plumber in compliance with the latest version of the National Construction Code and AS3500;
2. The recycled water supply (lilac coloured pipe) must be connected to the following:
 - a. All toilets;
 - b. Clothes washing machine cold water service;
 - c. Outdoor irrigation taps;
 - d. Outdoor taps used for bin washing and cleaning.
3. Potable water (blue coloured pipe) must be connected to all other plumbing fixtures including the kitchen, bathroom, drinking water taps, hot water system, laundry sink and any other potable water fixtures;
4. The household sewer drain must connect to the 100 mm gravity connection point provided on the lot. No connections are permitted directly to the Pressure Sewer Unit. It is the responsibility of the builder/plumber to ensure that all plumbing fixtures can freely drain to the connection point via gravity;
5. No rainwater or stormwater connections are permitted on the sewerage system, including but not limited to roof water via down pipes, surface water inlets, surface runoff, subsoil flow or boggy areas;

6. Surface water is to be directed away from all sewerage assets to ensure no ponding of stormwater near sewerage assets, particularly near the Pressure Sewer Unit and any household Overflow Relief Gullies (ORGs) provided on the lot;
7. Subsoil water can not be directed to the sewer trench. All lots are required to install subsoil drainage systems connected to stormwater to ensure subsurface water is not directed to sewer or left to pond in and around sewer trench or PSU;
8. All Overflow Relief Gullies (ORGs) are to be installed in a position where the designed function of the ORG is best achieved, this will generally be at the lowest contours in the development. To avoid potential pooling ORGs must not be placed in the “cut” of a cut and fill development. ORG’s must be installed in a position that will not create a nuisance to landscaping or proposed future developments at the site i.e the middle of a future path, at the higher contours or in a proposed pool area. ORGs must be installed and maintained per AS3500 and using an ORG for any other purpose, e.g. to drain stormwater, to connect an outdoor shower or to empty a pool, is strictly prohibited;
9. No outdoor showers are permitted to be connected to sewer. All outdoor showers must fall onto the ground or be connected to stormwater;
10. No rainwater tanks are permitted to be installed for recycled water uses including garden, toilet, laundry and vehicle washing with the Catherine Hill Bay recycled water system recognised as a reticulated alternative water supply scheme in BASIX;
11. Lake Macquarie City Council are responsible for plumbing inspections and compliance. Contact Council directly for plumbing and building compliance inspections;
12. Prior to final connections to the system Solo Water must be provided the Certificates of Compliance from the licenced plumber certifying that all of the works have been constructed in compliance with the latest version of the National Construction Code and AS3500 and the above conditions. The Certificates of Compliance must be provided for the household sewerage drain, the drinking water system and the recycled water system.

Final Connection Certificate

Solo Water will provide a final Connection Certificate after compliance with the above conditions has been demonstrated by the builder.

This Solo Water Connection Certificate is required to receive an Occupation Certificate from Council.

In order to receive the Connection Certificate from Solo Water the following is required as a minimum:

- Successful completion of all Solo Water inspections including:
 - Builder induction;
 - Drinking water connection witness;
 - Sewer connection witness;
 - Recycled water connection witness;
 - Pool inspection.
- Demonstrate the stormwater runoff and subsoil drainage systems are compliant and not resulting in infiltration to sewer and or ponding around Solo Water assets;
- Provision of Certificates of Compliance for all plumbing work;
- Provision of Sewer Drainage Diagram;
- Copy of the LMCC Plumbing and Drainage Works Satisfactory Completion letter;
- Engineer certification in relation to the zone of influence and Solo Water assets;
- There are no outstanding rectification notices, accounts, invoices or bills associated with the property or the builder;

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- There are no damaged Solo Water assets associated with the build;
- Completion of any other site specific RFI made by Solo Water for the site.

Compliance with the above conditions will be verified by Solo Water staff prior to issue of the connection certificate required for occupancy.

Failure to comply with the above conditions or failure to provide the required information will result in a delay in receiving the Connection Certificate.

For further information please visit solowater.com.au, call us on 1300 7656 98 (1300 SOLO WU) or email us at info@solowater.com.au.