

17 February 2020

Shaun Williams

Planning Officer

Industry Assessments

Department of Planning, Industry and Environment

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RE: State Significant Development (SSD) 9766 – Girraween Waste Recycling and Transfer Facility at 224-232 at Toongabie Road, Girraween

Thank you for notifying Sydney Water of the above mentioned SSD which proposes the demolition of existing structures and the construction of a waste recycling and transfer facility including an unloading shed, waste storage shed, office and amenity facilities, weighbridges, landscaping and other associated works. Sydney Water has reviewed the application based on the initial information supplied and additional data obtained from the proponent to provide the following comments to assist in planning the servicing needs of the proposed development. This letter supersedes our letter dated 17/02/2020.

Sydney Water does not object to this proposal, however, mandates the proponent follow the advice below:

Water Servicing

- The proposed facility is within Prospect Hill Water Supply Zone. The development is fronted by a DN250 main.
- The DN250 fronting the development has sufficient capacity to cater for the proposed demands although amplifications may be required.

Wastewater Servicing

- The proposed development is within Girraween SCAMP which is a part of the Sydney Water North Head System.
- The development is fronted by a DN525 main and amplifications may apply.
- As there is limited capacity in the system during wet weather. The developer will need to provide storage on-site to contain wastewater flows during wet weather.

Trade Waste

- Due to the anticipated trade waste generated by this proposed development's operations, Sydney Water requests the proponent adhere to our trade waste requirements. This may include the provision of sufficient on-site storage of wastewater so it can be treated to our specifications before it is discharged into our wastewater network. The exact type and sizing of any required on-site storage is to be determined through the trade waste process following confirmation of dedicated disposal routes for wastewater. Details of these requirements and the process for progressing applications are found in Attachment 2.

Stormwater

- Sydney Water raises a concern as to the suitability of discharging potentially contaminated wash water from wheel-washing, wash-down water, from inside or outside buildings or any, as yet undefined processes, into the stormwater system in particular, and the impact this could have on wastewater loading. The proponent must consult Council regarding suitable trade waste requirements to ensure the correct controls are in place to safely dispose of trade wastewater into their stormwater system.

Finalising the correct disposal routes for all identified wastewater including wash water and trade waste will identify the true volume of anticipated wastewater generated per annum at the site and will assist with quantifying specific on-site storage and amplification requirements.

This advice is not a formal approval of our servicing requirements. Detailed requirements, including any potential extensions or amplifications, will be provided once the development is referred to Sydney Water for a Section 73 application. More information about the Section 73 application process is available on our web page in the [Land Development Manual](#).

Further advice and requirements for this proposal are in Attachments 1 & 2. If you require any further information, please contact the Growth Planning Team at urbangrowth@sydneywater.com.au.

Yours sincerely,

A handwritten signature in black ink, appearing to read "K. Leitch", with a stylized flourish extending to the right.

Kristine Leitch

Growth Intelligence Manager

City Growth and Development, Liveable City Solutions
Sydney Water, 1 Smith Street, Parramatta NSW 2150

Attachment 1

Sydney Water Servicing

A Section 73 Compliance Certificate under the Sydney Water Act 1994 must be obtained from Sydney Water.

The proponent is advised to make an early application for the certificate, as there may be water and wastewater pipes to be built that can take some time. This can also impact on other services and buildings, driveways or landscape designs.

Applications must be made through an authorised Water Servicing Coordinator. For help either visit www.sydneywater.com.au > Plumbing, building and developing > Developing > Land development or telephone 13 20 92.

Building Plan Approval

The approved plans must be submitted to the Sydney Water [Tap in™](#) online service to determine whether the development will affect any Sydney Water sewer or water main, stormwater drains and/or easement, and if further requirements need to be met.

The Sydney Water [Tap in™](#) online self-service replaces our Quick Check Agents as of 30 November 2015.

The [Tap in™](#) service provides 24/7 access to a range of services, including:

- building plan approvals
- connection and disconnection approvals
- diagrams
- trade waste approvals
- pressure information
- water meter installations
- pressure boosting and pump approvals
- changes to an existing service or asset, e.g. relocating or moving an asset.

Sydney Water's [Tap in™](#) online service is available at:
<https://www.sydneywater.com.au/SW/plumbing-building-developing/building/sydney-water-tap-in/index.htm>

Attachment 2

Requirements for **Business Customers for Commercial and Industrial Property Developments.**

Trade Wastewater Requirements

If this development is going to generate trade wastewater, the property owner must submit an application requesting permission to discharge trade wastewater to Sydney Water's sewerage system. You must obtain Sydney Water approval for this permit before any business activities can commence. It is illegal to discharge Trade Wastewater into the Sydney Water sewerage system without permission.

The permit application should be emailed to Sydney Water's Business Customer Services at businesscustomers@sydneywater.com.au

A Boundary Trap is required for all developments that discharge trade wastewater where arrestors and special units are installed for trade wastewater pre-treatment.

If the property development is for Industrial operations, the wastewater may discharge into a sewerage area that is subject to wastewater reuse. Find out from Business Customer Services if this is applicable to your development.

Backflow Prevention Requirements

Backflow is when there is unintentional flow of water in the wrong direction from a potentially polluted source into the drinking water supply.

All properties connected to Sydney Water's supply must install a testable Backflow Prevention Containment Device appropriate to the property's hazard rating. Property with a high or medium hazard rating must have the backflow prevention containment device tested annually. Properties identified as having a low hazard rating must install a non-testable device, as a minimum.

Separate hydrant and sprinkler fire services on non-residential properties, require the installation of a testable double check detector assembly. The device is to be located at the boundary of the property.

Before you install a backflow prevention device:

1. Get your hydraulic consultant or plumber to check the available water pressure versus the property's required pressure and flow requirements.
2. Conduct a site assessment to confirm the hazard rating of the property and its services. Contact PIAS at NSW Fair Trading on 1300 889 099.

For installation you will need to engage a licensed plumber with backflow accreditation who can be found on the Sydney Water website:

<http://www.sydneywater.com.au/Plumbing/BackflowPrevention/>

Water Efficiency Recommendations

Water is our most precious resource and every customer can play a role in its conservation. By working together with Sydney Water, business customers are able to reduce their water consumption. This will help your business save money, improve productivity and protect the environment.

Some water efficiency measures that can be easily implemented in your business are:

- Install water efficiency fixtures to help increase your water efficiency, refer to WELS (Water Efficiency Labelling and Standards (WELS) Scheme, <http://www.waterrating.gov.au/>
- Consider installing rainwater tanks to capture rainwater runoff, and reusing it, where cost effective. Refer to <http://www.sydneywater.com.au/Water4Life/InYourBusiness/RWTCalculator.cfm>
- Install water-monitoring devices on your meter to identify water usage patterns and leaks.
- Develop a water efficiency plan for your business.

It is cheaper to install water efficiency appliances while you are developing than retrofitting them later.

Contingency Plan Recommendations

Under Sydney Water's [customer contract](#) Sydney Water aims to provide Business Customers with a continuous supply of clean water at a minimum pressure of 15meters head at the main tap. This is equivalent to 146.8kpa or 21.29psi to meet reasonable business usage needs.

Sometimes Sydney Water may need to interrupt, postpone or limit the supply of water services to your property for maintenance or other reasons. These interruptions can be planned or unplanned.

Water supply is critical to some businesses and Sydney Water will treat vulnerable customers, such as hospitals, as a high priority.

Have you thought about a contingency plan for your business? Your Business Customer Representative will help you to develop a plan that is tailored to your business and minimises productivity losses in the event of a water service disruption.

For further information please visit the Sydney Water website at:

<http://www.sydneywater.com.au/OurSystemsandOperations/TradeWaste/> or contact Business Customer Services on 1300 985 227 or businesscustomers@sydneywater.com.au.