

27 February 2019

Our Ref: 176084

Aditi Coomar
School Infrastructure Assessments
Department of Planning & Environment
GPO Box 39
Sydney, NSW 2000

RE: Redevelopment of St Anthony of Padua Catholic School – 125-165 Tenth Avenue & 140 (SSD 8865)

Dear Aditi,

Thank you for notifying Sydney Water of the development application listed above. We have reviewed the application based on the information supplied and provide the following comments to assist in planning the servicing needs of the proposed development.

To service the development, amplifications will need to occur to the existing drinking water mains. The site is not currently serviced by wastewater infrastructure with this being subject to Sydney Water's delivery of services. The location of the required water main amplifications and new water infrastructure are shown in Figure 1. Further comments on servicing the site are provided below.

Water Servicing

- The site fronts a 100mm main in Eleventh Avenue. The Austral Potable Water Scheme has identified that this main will need to be upsized to a 250mm main to service the development.
- The existing main in Tenth Avenue will need to be upsized to 300mm – 375mm.
- A new 150mm main will need to be constructed along the site's eastern boundary to join the upsized mains in Tenth and Eleventh Avenues.
- More details surrounding the exact amplifications needed at the site will be determined at the Section 73 certificate phase.

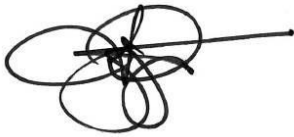
Wastewater Servicing

- There are currently no Sydney Water sewer reticulations close to the site.
- The Leppington North Wastewater Scheme has identified that 150mm – 300mm reticulation sewers will be required to service the development.
- The site is bisected by a ridgeline with the northern and southern sides of the ridgeline to different catchments.
- The northern side will drain to the future Austral Creek Carrier which is expected to be delivered in 2020. The developer must build 150mm – 225mm lead-in sewers from the site to the carrier. Prior to the construction of the carrier, the developer must manage sewage from the northern part of the site by themselves.
- The southern side will drain to the existing sewer pumping station – SP1183. The developer will need to build a 150mm – 350mm lead-in sewer from their site to SP1183.
- More details will be provided at the Section 73 certificate phase.

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 the attachments. If you require any further information, please contact the Growth Planning and Development Team at urbangrowth@sydneywater.com.au.

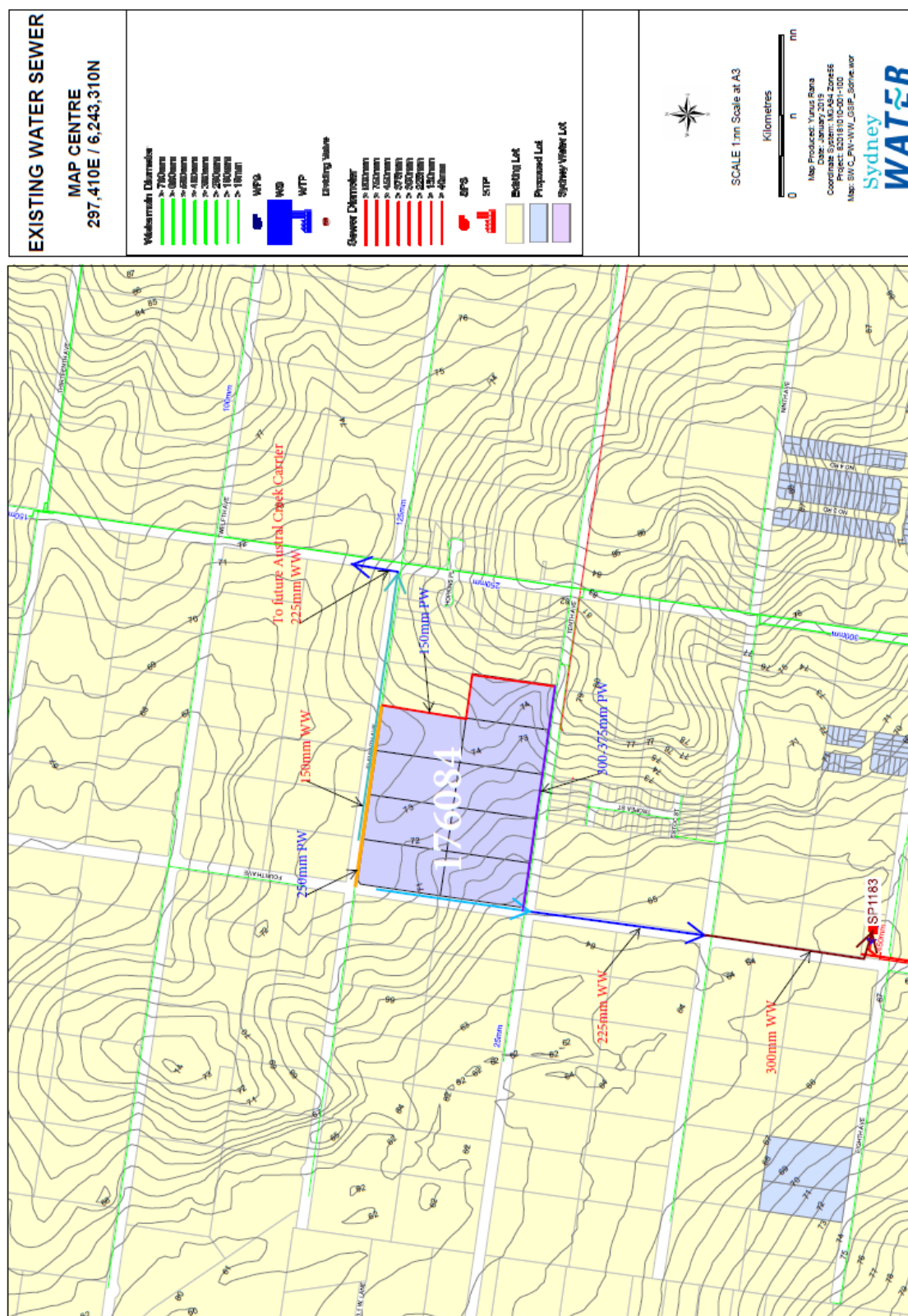
Yours sincerely,

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.

Fernando Ortega
A/Manager, Growth Planning & Development

Attachment 1

Proposed Amplifications and New Water Infrastructure for Proposed Development



Attachment 2

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 3

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.