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Our reference: 214220

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**RE: SSD-62028458 New High School in Edmondson Park**

Thank you for notifying Sydney Water of SSD-62028458 New High School in Edmondson Park at 145 Buchan Avenue, Edmondson Park. The proponent, Department of Education (DoE), proposes the operation of a new high school which includes:

- Construction of four new buildings for the proposed high school for a range of educational uses with building heights ranging from 1 to 5 storeys and an approximate GFA of 20,000m<sup>2</sup>.
- Bulk earthworks, comprising fill and excavation and other site preparation works
- On-site carpark and waste collection area
- Adjustments to roads and pedestrian access to the site
- Landscaping and open space works

It is expected that the operation of the completed development will accommodate 2000 students and 144 staff.

Sydney Water has reviewed the application based on the information supplied and provides the following comments to assist in planning the servicing needs of the proposed development.

**Water and Wastewater Servicing**

- Potable water and wastewater servicing should be available.
- Amplifications, adjustments, and/or minor extensions may be required.

**Recycled Water Servicing**

- In the Hydraulic and Fire services report, the proponent seeks to have the proposed development connected to Sydney Water's recycled water network.
- Our preliminary assessment has identified that the approval of a recycled water connection can not be endorsed at this time. Further information is required to resolve this. The proponent must contact Sydney Water directly regarding the intent for recycled water to the site.
- The proponent needs to engage a hydraulic consultant and specifying drinking water and recycled water demand information. **This information is required to be lodged as part of the Section 73** application to allow Sydney Water to make an informed decision.

**Next steps:**

- The proponent is to liaise with their account manager to discuss recycled water offerings.
- The proponent is advised to engage a hydraulic consultant and provide the demand information in their Section 73 application, referencing this letter.
- Should the Department decide to progress with the subject SSD, the conditions in Attachment 1 are recommended to be included in the development consent.

This advice is not 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 Building Plan Approval/Section 73 application. More information about the Building Plan Approval/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 and 2. If the proponent has any questions, i.e. recycled water opportunities, they should contact their Sydney Water Account Manager, Noor Alttahir, via [Noor.Alttahir@sydneywater.com.au](mailto:Noor.Alttahir@sydneywater.com.au). Should the Department require any further information, please contact the Growth Planning Team via [urbangrowth@sydneywater.com.au](mailto:urbangrowth@sydneywater.com.au)

Yours sincerely,



**Kristine Leitch**

Commercial Growth Manager

City Growth and Development, Business Development Group

Sydney Water, 1 Smith Street, Parramatta NSW 2150

## Attachment 1 – Recommended Development Conditions

Prior to the issue of an Occupation/Subdivision Certificate:

### **Section 73 Compliance Certificate**

A compliance certificate must be obtained from Sydney Water, under Section 73 of the Sydney Water Act 1994. Our assessment will determine the availability of water and wastewater services, which may require extension, adjustment or connection to our mains. Make early application for the certificate, as there may be assets to be built and this can take some time. A Section 73 Compliance Certificate must be obtained before an occupation or subdivision certificate will be issued.

Applications can be made either directly to Sydney Water or through a Sydney Water accredited Water Servicing Coordinator.

Go to the Sydney Water website or call 1300 082 746 to learn more about applying through an authorised WSC or Sydney Water.

Prior to the issue of a Construction Certificate/Complying Development Certificate:

### **Building Plan Approval**

The plans must be approved by Sydney Water prior to demolition, excavation or construction works commencing. This allows Sydney Water to determine if sewer, water or stormwater mains or easements will be affected by any part of your development. Any amendments to plans will require re-approval. Please go to [Sydney Water Tap in®](#) to apply.

Sydney Water recommends developers apply for Building Plan Approval early as to reduce unnecessary delays to further referrals or development timescales.

### **Tree Planting**

Certain tree species placed in proximity to Sydney Water's underground assets have the potential to inflict damage through invasive root penetration and soil destabilisation. Section 46 of the Sydney Water Act specifies what might occur when there is interference or damage to our assets caused by trees.

For any trees proposed or planted that may cause destruction of, damage to or interference with our work and are in breach of the Sydney Water Act 1994, Sydney Water may issue an order to remove that tree or directly remove it and seek recovery for all loss and associated compensation for the removal.

For guidance on types of trees that can cause damage or interference with our assets see Sydney Water webpage Wastewater blockages. For guidance on how to plant trees near our assets, see Diagram 5 – Planting Trees within Sydney Water's [Technical guidelines – Building over and adjacent to pipe assets](#).

## Attachment 2 – Requirements for Commercial and Industrial Developments (for information)

### 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 can be made on Sydney Water's web page via Sydney Water's [Tap in™](#).

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:

<https://www.sydneywater.com.au/plumbing-building-developing/plumbing/backflow-prevention.html>

## 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 <https://www.sydneywater.com.au/your-business/managing-your-water-use/water-efficiency-tips.html>
- 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:

<https://www.sydneywater.com.au/your-business/managing-trade-wastewater/commercial-trade-wastewater.html> or contact Business Customer Services on 1300 985 227 or [businesscustomers@sydneywater.com.au](mailto:businesscustomers@sydneywater.com.au).