SSC – Senior Campus Sports Centre & Aquatic Centre

Civil, Electrical and Hydraulic

Infrastructure Delivery, Management and Staging Plan

SSD No. 68054209

12-08-2024 **Ref: 301050662**

PREPARED FOR:

Santa Sabina College

PREPARED BY:

Peter Mizza

Stantec

Revision

Revision	Date	Comment	Prepared By	Approved By
001	01-03-2024	Draft For Review	JB, JZK, ZZ	PGM
002	30-04-2024	Revised	JB, JZK, ZZ	PGM
003	23-05-2024	Final	JB, JZK, ZZ	PGM
004	17-06-2024	Final	JB, JZK, ZZ	PGM
005	12-08-2024	Final – Minor Updates	JB, DOS, ZZ	PGM

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Contents

1. Introduction

Stantec has been commissioned by Santa Sabina College to prepare this report in accordance with the technical requirements of the Secretary's Environmental Assessment Requirements (SEARs), and in support of the State Significant Development (SSD-68054209) for the proposed Sport and Aquatic centre at the Santa Sabina School located at 90-98 The Boulevarde, Strathfield NSW 2135.

'The site' refers to the broader Santa Sabina College (SSC) land described as Lots 1 & 2 in DP2791, Lot 1 & 2 in DP456966, Lot A in DP 388128, Lot 10, 11 & 12 in DP1297911, Lot 1 in DP938889 and Lot 1 in DP307088. The street address is 84, 86 and 90-98 The Boulevarde, Strathfield.

The 'Development site' comprises the land whereby all works that form part of the SSDA are proposed and is confined to two areas of the site. The development site is bounded by the blue outline in Figure 2 below. The relevant legal description for the development site is Lot A DP388128, Lot 12 DP1297911 and Lot 2 DP2791.

The proposed development site consists of:

- Senior School Sports Centre;
- Senior School Aquatic Centre;
- Demolition of Siena Hall.

This report is based on the following sources of information:

- Dial Before You Dig (DBYD) information;
- Publicly available information;
- Site visits;
- Site survey plans.

1.1 Response to SEARs

The SSDA Report is required by the Secretary's Environmental Assessment Requirements (SEARs) to identify the relevant SEARs requirement/s. Refer below table for specific SEARs and corresponding reference/s within this report

SEARs Item	Report Reference
21. Infrastructure Requirements and Utilities	
• Assess the impacts of the development on existing utility infrastructure and service provider assets surrounding the site.	This Infrastructure Report assesses the impacts of the development on existing utility infrastructure and service provider assets surrounding the site. The impacts of the development of have been assessed throughout the respective discipline sections; refer to Section 2.1 for existing power supply, Section 2.3 for existing communications supply, Section 3.1 existing potable cold water and hydrant system, Section 3.4 for existing gas meter and Section 4.1 for existing stormwater infrastructure. Refer to the Sydney Water feasibility letter provided in the appendices for further existing hydraulic information.
• Identify any infrastructure required on-site and off-site to facilitate the development and any	This Infrastructure Report identifies any infrastructure on-site and off-site to facilitate the development and any arrangements to ensure that the upgrades will be implemented on time and be maintained. The infrastructure

arrangements to ensure that the upgrades will be implemented on time and be maintained.	identified has been detailed within each respective discipline. <u>Electrical</u> For upgrades to power supply, refer to Section 2.1. An application has been made to Ausgrid for the upgraded power supply. This shall require the decommissioning of existing S.8480 and installation of new Kiosk substation which will be designed by a Level 3 ASP Engineer. <u>Hydraulic</u> For upgrades to hydraulic services, refer to Section 3. For installation of a fire sprinkler system, Refer 3.1.2. A new fire sprinkler system is proposed in the Development site (Sports Centre) to carpark fire compartment only in accordance with National Construction Code (NCC) and relevant standards. <u>Civil</u> For updates to civil services, refer to Section 4.2.1.3 and 4.2.1.4. An OSD tank has been proposed and the surface areas are proposed to be drained through a variety of methods, in accordance with AS3500.3-2021 and Burwood Council's stormwater drainage guidelines.
• Provide an infrastructure delivery and staging plan, including a description of how infrastructure requirements would be coordinated, funded and delivered to facilitate the development.	Infrastructure delivery and staging has been addressed within this Infrastructure Report. Refer to Section 1.2 for a description of how Funding would be coordinated and Section 1.3 for how Staging would be coordinated and delivered to facilitate the development.

Figure 1 - Development Site Location Plan

1.2 Funding

The electrical, hydraulic and civil service works for this project will be privately funded by Santa Sabina College. There will be no contributions from the local authorities or government departments to facilitate the infrastructure works outlined within this report for the development.

1.3 Staging

Construction will be carried out in two stages. The first stage will include a standard construction period where the Development site (Sports Centre, Aquatic Centre and Catherines Garden) will be built along with associated electrical, hydraulic and civil services such as a substation upgrade connection with Ausgrid, a new fire sprinkler system proposed in the Development site (Sports Centre) to carpark fire compartment, proposed on-site detention tank and proposed drainage lines. Through this stage, existing authority connections are to remain in place, there will be alterations to existing private infrastructure to facilitate the development, as required. Refer to respective sections for Electrical, Hydraulic and Civil for a further understanding of services to remain, and services proposed to facilitate the development. All hydraulic and electrical works are to be completed in the first stage of construction. Bulk of civil works are to be completed in the first stage of construction, with some minor stormwater works to be completed in the second stage.

The second stage of construction will include the demolition of Development site (Siena Hall), associated construction works for the proposed landscape forecourt and the installation of proposed stormwater infrastructure, such as pit and pipe installation within this area. The demolition of Development site (Siena Hall) is to occur at a later date to enable school assemblies, or similar, to take place in the Hall while the construction of the gym and pool takes place. Refer to the Figure 2 below for a breakdown of the intended staging for the proposed development site.

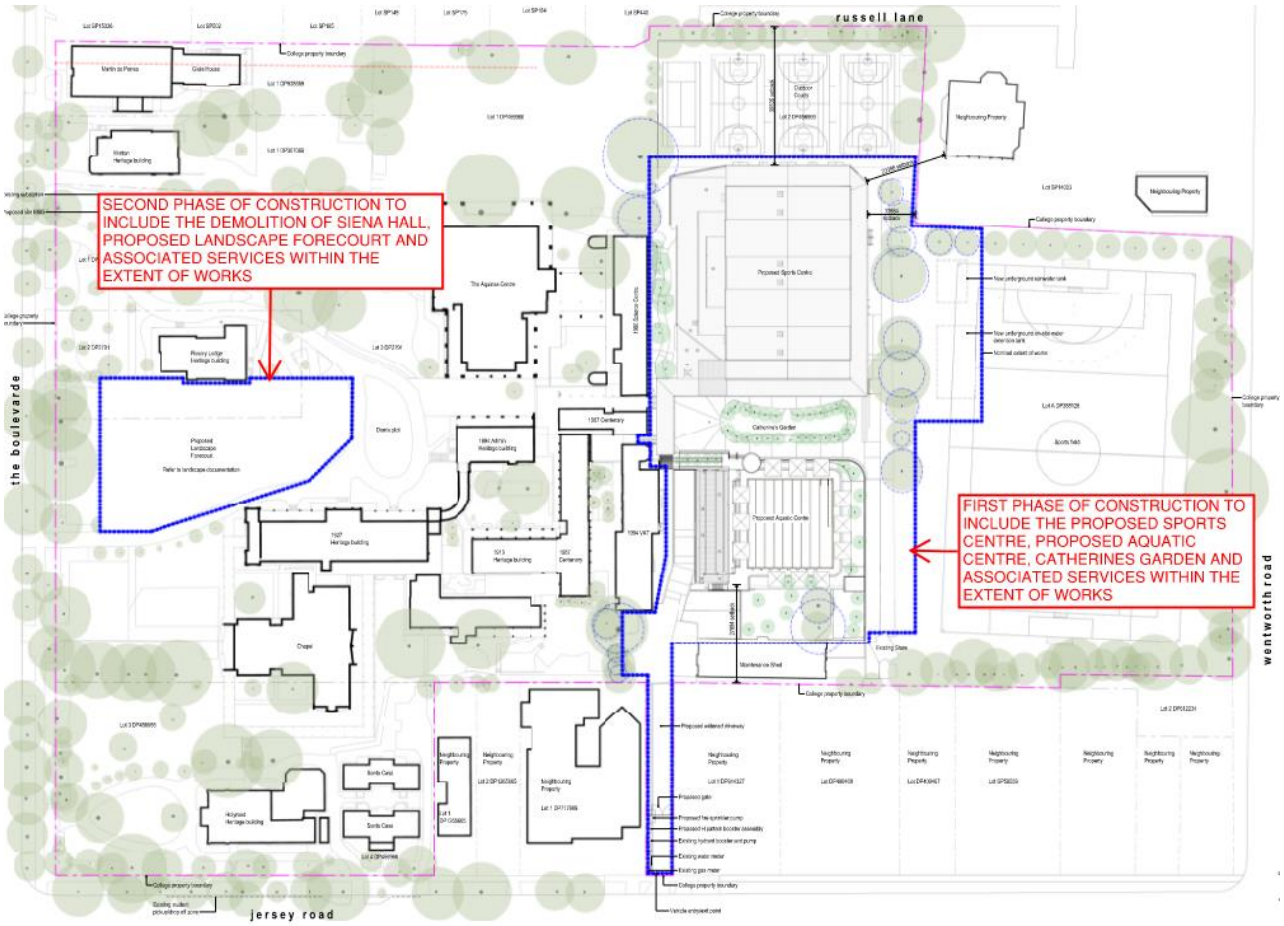

Figure 2 – Staging of the Development site and Associated Service Infrastructure

2. Electrical Site Services

2.1 Power Supply

The supply authority is Ausgrid. The existing site power is currently supplied from an existing kiosk substation (NO 8480), which feeds two existing main switchboards, MSB (Santa Sabina College) and MSB (Rosary Lodge). The substation is located on The Boulevarde near building C, refer figure 4. The MSB SSC has an 800A power supply from the Ausgrid substation.

Information obtained from the power readings indicate the site operates at the 800A limit.

The calculated maximum demand for the proposed development site is 450Amps/Phase.

An application has been made to Ausgrid for the upgraded power supply. Ausgrid have returned with a scope of works for decommissioning of existing S.8480 and installation of new Kiosk substation which will be designed by a Level 3 ASP Engineer.

A snapshot of the substation and MSB (SSC) is given below:

Figure 3 - Existing Secondary School Substation

Figure 4 -Existing Secondary School MSB SSC

The red circle in Figure 5 indicates the location of the substation and the blue rectangle indicates the location of the MSB SSC:

Figure 5 - Locations of substation and MSB SSC

2.2 Metering

It is proposed that energy metering will be provided in every new building.

2.3 Existing Communications Supply

2.3.1 Secondary School

The site telecommunications services mains are along The Boulevarde. These mains convey infrastructure belonging to Telstra and AARNet.

An extract from Telstra DBYD drawing is shown below:

Figure 6 – Telstra DBYD Plan

An extract from AARNet DBYD drawing is shown below:

Figure 7 – AARNet DBYD Plan

The site is currently fed from Telstra via a service pit on the Boulevarde.

No amendments are proposed to the incoming Telstra service to the facility.

3. Hydraulic Site Services

3.1 Potable Cold Water

The supply authority is Sydney Water. The existing site potable water supplied by two sources as detailed below.

The site has an existing dual water connection as follows:

- Ø100 connection to the Ø250 Sydney Water, water main located in Jersey Road for supply to the Potable Water system
- Ø100 connection to the Ø250 Sydney Water, water main located in Jersey Road for supply to the Fire Hydrant system

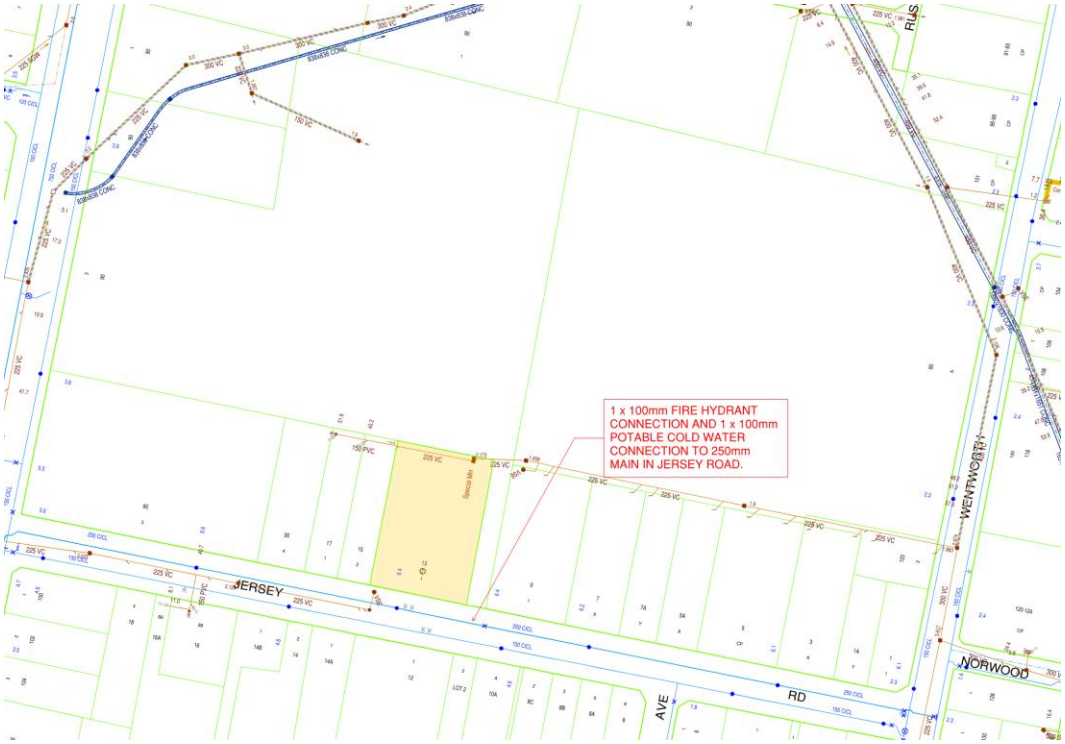

Figure 8 - DBYD Hydramap Cold Water & Fire Hydrant Connection Locations

Figure 9 - Water Meter Located on Driveway of Jersey Road

3.1.1 Potable Water Capacity

We have calculated the potable water capacity and future demand for the proposed development site based on Sydney Water development type average daily demand and data from similar developments of this type.

Current & Proposed

Current number of students:	931
Average demand per student each day:	20L
Total potable water demand:	**18,620L/day**

The approximate future potable cold-water demand for the development site is equivalent to the existing demand. We anticipate the existing water connection to be capable of meeting the above potable water demand as there are no changes. The above has been confirmed by Sydney Water, refer to attached feasibility letter for more details.

3.2 Fire Services

3.2.1 Fire Hose Reel System

There is an existing fire hose reel system installed throughout the site to each building extending off the fire hydrant system. It is noted that the current NCC2022 Volume 1 does not require a Fire Hose Reel system be installed in classrooms and associated corridors in a primary or secondary school.

A fire hose reel system requires 0.66L/sec @ 220kPa (2x fire hose reels operating simultaneously) pressure and flow for fire-fighting purposes.

It is anticipated the above requirements can be met through connection to the existing potable water system and alterations / additions to the system can be made to service the proposed development.

3.2.2 Fire Hydrant System

There is an existing fire hydrant system inclusive of fire hydrant booster valve assembly, on-site fire hydrant pump set and fire hydrant ring-main installed throughout the site that is fed via a 100mm connection to the 250mm water main located in Jersey Road. Refer to Figure 10 below for overall system layout.

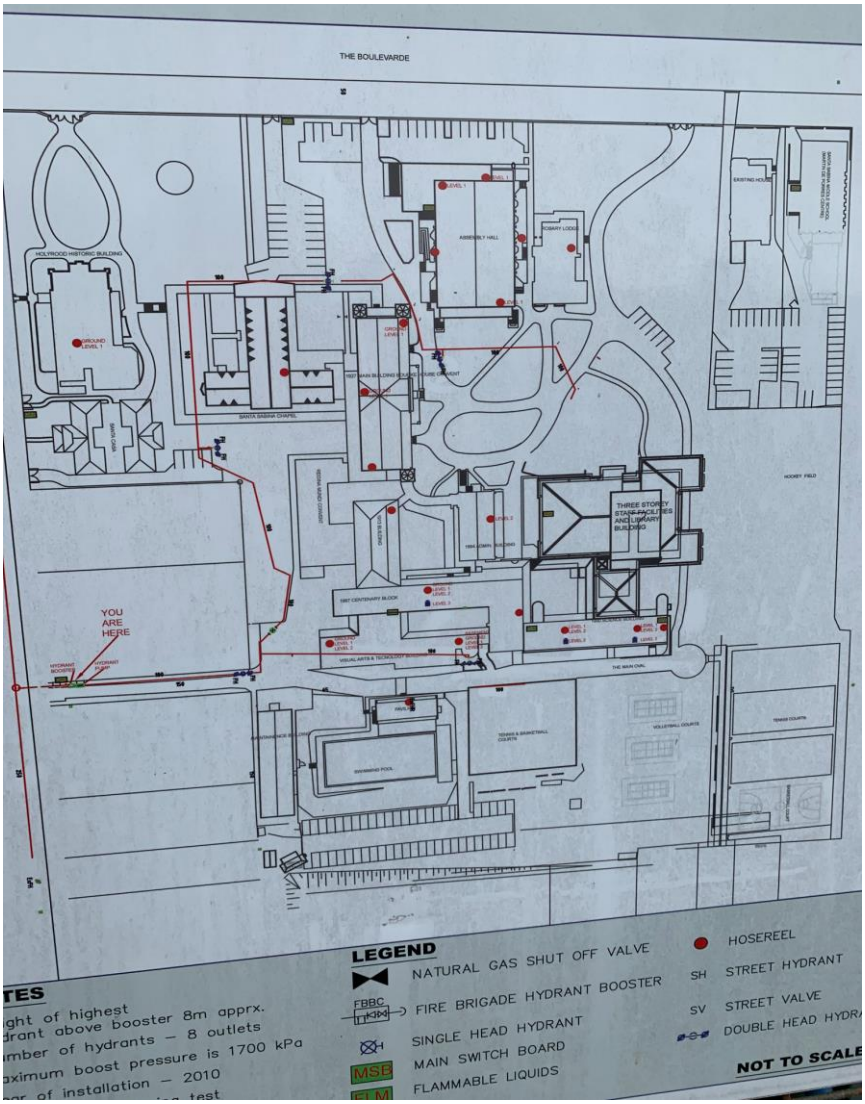

Figure 10 – Fire Hydrant System Block Plan

The fire hydrant system is installed in a 'ring-main' configuration to ensure friction losses throughout the system remain within the requirements of AS2419.1, with a combination of internal and external fire hydrants located throughout the site to achieve compliant coverage to all buildings. It is anticipated that the current fire hydrant system infrastructure is suitable to meet the development demand with alterations / additions to be made to the system to service the masterplan development.

3.2.3 Fire Sprinkler System

A new fire sprinkler system is proposed in the Development site (Sports Centre) for carpark fire compartment only in accordance with National Construction Code (NCC) and relevant standards. The water supply infrastructure will include a new 150mm town's main connection to the existing 250mm water main in Jersey Road, boundary services including fire sprinkler booster assembly and pump & valve enclosure. The main reticulation will extend from the boundary services to the Development site (Sports Centre) carpark below the external egress areas. A fire sprinkler system requires 15 L/sec to suit the carpark hazard classification. Refer to Figure 11 below for proposed scope of works.

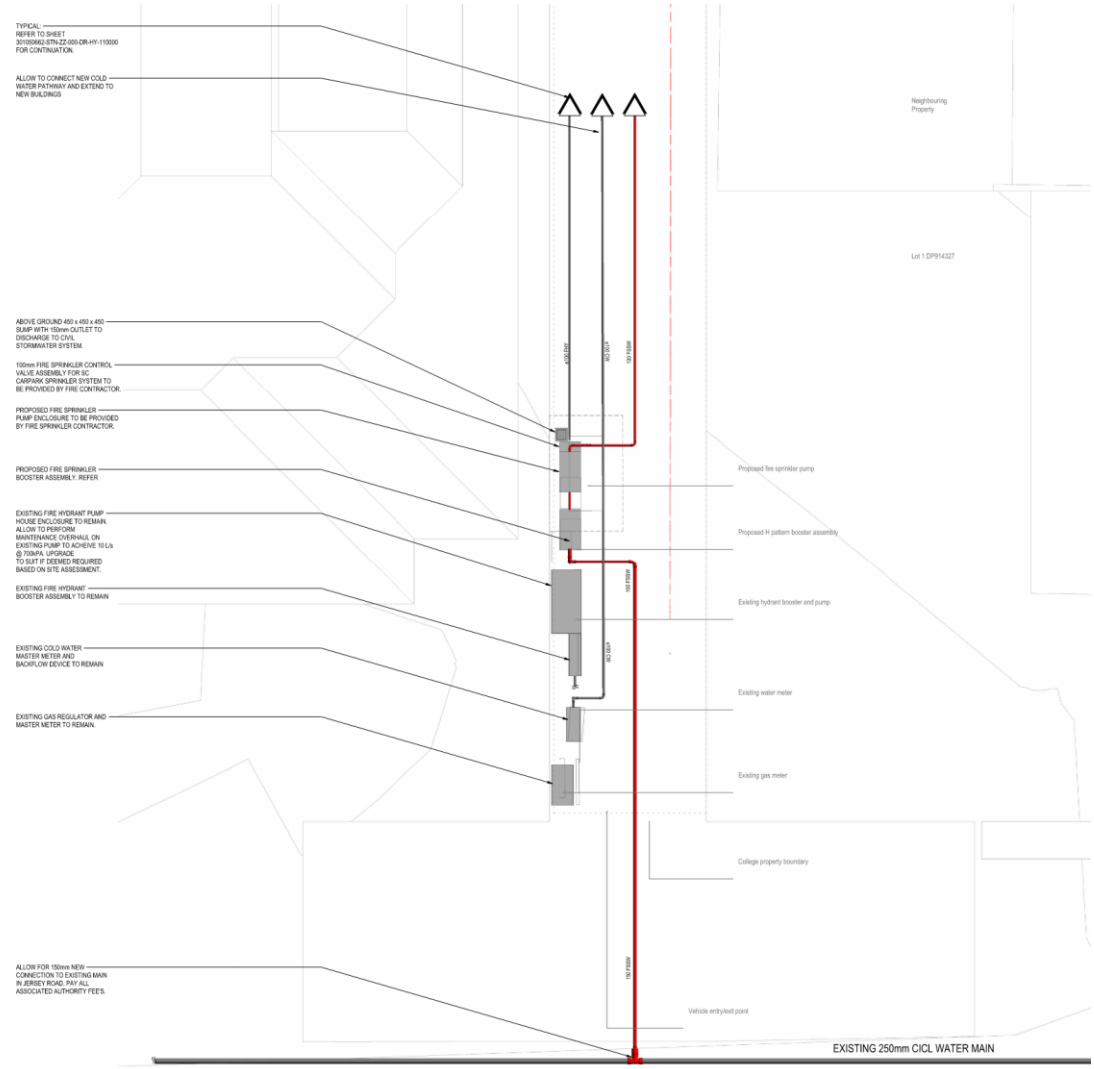

Figure 11 – Proposed Fire Sprinkler Works

We confirm the town's main infrastructure is suitable to meet the development site demand. Refer to attached Sydney Water pressure and flow statement in the appendices for town's main performance data. A town's main connection application will be required to be submitted by a suitably qualified contractor to facilitate the construction process. This process can take 6-12months from submission to final installation, this will need to be factored into the construction program.

3.3 Sewer

The supply authority is Sydney Water. The existing site sewer is connected to multiple sources as detailed below.

The site has several sewer connections as follows:

- Connection to the Ø300 Sydney Water Sewer main located in Northwest corner of the site.
- Connection to the Ø225 Sydney Water Sewer main located in Northwest corner of the site.
- Connection to the Ø150 Sydney Water Sewer main located in Northwest corner of the site.
- Connection to the Ø300 Sydney Water Sewer main located near Russel Lane

- Connection to the Ø225 Sydney Water Sewer main located in Southeast corner of the site.
- Connection to the Ø225 Sydney Water Sewer main located in Jersey Road

3.3.1 Sewer Capacity

We have calculated the sewer capacity and future demand for the proposed development site based on Sydney Water development type average daily demand and data from similar developments of this type.

Current & Proposed

Current discharge to sewer (80% of water usage): 14,896 L/day

The approximate future sewer demand for the development site is equivalent to the existing demand. We anticipate the existing sewer connection to be capable of meeting the increased sewer requirements. The above has been confirmed by Sydney Water, refer to attached feasibility letter for more details.

3.4 Jemena

3.4.1 Natural Gas

The site is located within an area with a 7kPa distributed natural gas network with a single gas connection as follows:

- Connection to the Ø75 Jemena gas main located in Jersey Road.

We have calculated the natural gas capacity based on visual inspection of the existing authority gas meter assembly.

The gas meter serving the site is model AL-1400, the capacity is 40 cubic meters @ 125Pa difference. This meter is capable of supplying approximately 1,520Mj/hr.

No additional gas services are proposed for the proposed development site. We do not anticipate that there are any issues relating to future capacity requirements. If the existing gas meter is deemed insufficient, application can be made to the gas authority for an upgrade to the gas meter to meet the requirements.

Note: In-line with industry sustainability initiatives Stantec would recommend the degasification of the site to reduce gas consumption and carbon emissions. This could include replacing gas fired domestic hot water heaters with electric heat pumps and any non-essential gas equipment with electric alternatives.

4. Civil Site Services

The civil and stormwater services in the following section provides information regarding existing infrastructure and design policies applicable to the development. The proposed development site include works on the Santa Sabina College.

4.1 Civil and Earthworks

4.1.1.1 Site Characteristics

The proposed development site is located at 90-98 The Boulevarde, Strathfield NSW 2135, where planning controls need to refer to Burwood Development Control Plan (DCP) 2013 and Burwood Council Stormwater Management Code 2004.

Stormwater Catchments

The surrounding area has been investigated to determine the likely impact of existing external stormwater catchments on the proposed site. The development site is currently surrounded by residential houses and roadways, so it is believed that no external catchments impact the site. Burwood Council has published a Draft Consolidated Flood Identification Map on their website, which identifies the north-western boundary of the Secondary School as a Flood Identified Property within the Powells Creek Catchment; refer to figure shown below. The portion of the site that is to be developed has not been identified as flood affected.

Refer to the Flood Risk Assessment letter prepared by Stantec, dated 16th of May 2024, for further information regarding the flooding considerations.

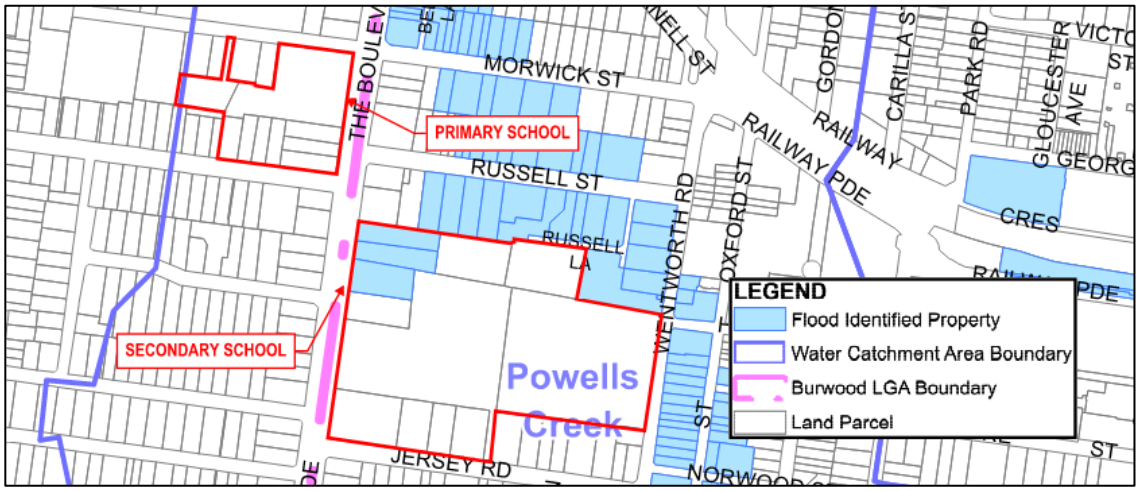

Figure 12 - Burwood Council Draft Consolidated Flood Identification Map (June 2018)

Existing Stormwater Infrastructure

Through review of the existing survey information, DBYD information and Google Street View images, it has been determined that the site contains pit and pipe infrastructure to convey surface flows and roof drainage to the public stormwater network. A stormwater structure with internal weirs was observed in a site visit in the north-eastern corner of the site within the field, with multiple grates over the structure; however, its purpose could not be determined. Since the site is an existing and operational school, it is assumed that a functional drainage system is in place. No severe drainage issues around the site have been reported, however, a site visit confirmed that the majority of pits within the site were blocked. Further investigation and analysis of the existing infrastructure condition is recommended to assess existing capacities available and requirements for possible upgrade and maintenance.

The extent of Council owned assets within the Development site (Siena Hall) portion of the site will require additional surveying prior to the finalisation of the stormwater discharge design. It is assumed that the existing stormwater network connects to Council's infrastructure to the nearest kerb inlet pit located along the Wentworth Road frontage of the school's

Main Oval. The configuration of the site's outlet pit is unknown, but it appears to have multiple grates and an internal weir system. It is recommended that a detailed survey of the site is undertaken to document all existing stormwater underground reticulation and connections to Council's network. The abovementioned additional surveying will determine what, if any, Council stormwater assets require upgrading within the Development site (Siena Hall) portion of the site.

Existing stormwater lines with several pits in the form of kerb inlet pits are present along the site frontages at The Boulevarde and Wentworth Road. It is also worth noting the presence of Council's infrastructure inside the site boundary as shown on the figure below.

All roof catchments are conveyed through formalised gutter and downpipe systems and discharged into on lot inground drainage infrastructure before discharging from the site.

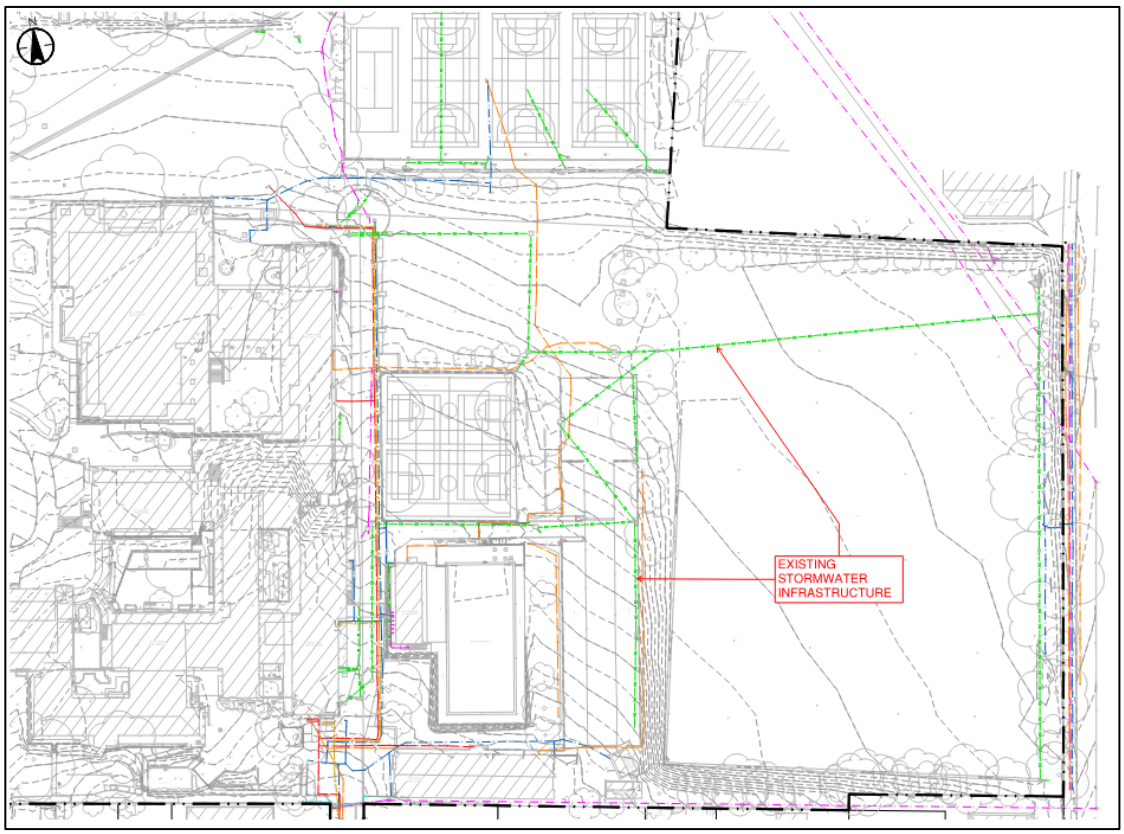

Figure 13 - Existing Council Stormwater Drainage Network (Source: Survey Information)

4.2 Stormwater

4.2.1.1 Council Network Connections

Connections to Council's Stormwater Drainage System

All developments, apart from single residential developments and dual occupancy developments, draining directly to streets are required to connect directly to a Council pipe or channel system. The point of connection will be the closest suitable point as determined by Council's Director of Engineering Services. An access pit is required at the point of connection, with one to be constructed if none exists. In its current condition, it appears that an access pit at the points of connect is not required as they already exist. Refer to the Burwood Council Stormwater Management Code 2004, Section 4.13 for additional requirements relating to stormwater disposal to Council drainage systems.

The proposed development area shall connect into existing stormwater infrastructure within the site, located along the eastern boundary. The detailed survey completed to date indicates that the existing stormwater infrastructure discharges

to existing Council stormwater pits within Wentworth Road. Further surveying is proposed to be completed following an approval to verify this data.

Gravity Drainage

All stormwater drainage connecting to Council's drainage systems is to be by gravity. Mechanical means (i.e. pumps) for disposal of stormwater runoff will only be permitted for commercial, industrial and multi-unit residential developments, subject to additional requirements. Refer to the Burwood Council Stormwater Management Code 2004, Section 3.8 for additional requirements relating to gravity drainage of stormwater systems.

4.2.1.2 Planning & Design Requirements

Rainwater and Stormwater Tanks

Refer to the Burwood Council Stormwater Management Code 2004, Section 3.3 and Section 4.6 for requirements relating to rainwater and stormwater tanks.

These are to be sized according to the requirements of the BASIX system administered by the NSW Department of Infrastructure, Planning and Natural Resources. A 5kL rainwater tank is being proposed for the site. Refer to Hydraulic engineer documentation for further information.

Floor and Ground Levels

Refer to the Burwood Council Stormwater Management Code 2004, Section 3.7 for floor and ground level, and freeboard requirements.

Where stormwater flows past buildings, or forms ponds near buildings, building floor levels need to be set above the calculated levels with an adequate freeboard.

Levels on the site boundaries cannot be altered, but land can be sloped away from them and retaining walls built.

Freeboards

For freeboard requirements above the top water level (TWL) of OSD storages and channel / mainstream flows, refer to the Burwood Council Stormwater Management Code 2004, Section 4.9.

A freeboard for floor levels above the top water level (TWL) of OSD storages must be applied for buildings near OSD storages. This should be at least 0.3 m above the maximum spillway operating level for habitable areas, and 0.15 m above this for other areas within buildings.

A building floor level freeboard ranging from 0.3 m to 0.5 m will be required where a development is adjacent to a channel or stream, or in areas where significant overland flow occurs. The lower value will apply where channel flow velocities are low and the higher value when velocities are greater than 1.2 m/s. In all other circumstances a minimum freeboard of 0.15 m is required above surrounding finished ground levels.

The minor flooding to the north of the development has been taken into consideration, with a 0.3m freeboard being applied above the 1% AEP flood levels to set the ground floor level of the sports centre at RL 16.60. Refer to the Flood Risk Assessment letter prepared by Stantec, dated 16th of May 2024, for further information regarding the flooding considerations.

4.2.1.3 OSD

The On-Site Detention Tank is to comply with the Burwood Council Stormwater Management Code 2004. Refer to Section 3.4 and 4.7 of the Stormwater Management Code for general and design requirements relating to OSD systems. As the proposed site does not meet the requirements for OSD exemption, OSD will be required for the site.

Proposed OSD and Drainage Lines

The project comprises demolition and enabling works as well as the construction of a sport and aquatic centre, basement car parking, landscaping and services.

The proposal seeks development approval for a new sport centre and aquatic centre to the west of the existing oval comprising the following:

- Demolition of the existing outdoor courts, changing rooms, pool and car park to the north of the maintenance shed.
- Construction of a new sports centre of (2,775swm GFA) building and aquatic centre (213 GFA) including:
    - Main entrance and foyer area;
    - 3x indoor multipurpose sports courts/ hall;
    - Covered promenade to the south of the sports centre, connecting the 1967 Centenary building;
    - Lift and stairs from the car park level;
    - Sports offices;
    - Staff bathrooms;
    - Student amenities- bathrooms/ changerooms;
    - Gym;
    - Sports offices;
    - Storage and building services;
    - Basement car park including 77 car spaces, accessible from the existing vehicle entry/ exit on Jersey Road;
    - Heated outdoor swimming pool and seating areas;
    - Changing areas and amenities; and
    - Landscaping works.
- Demolition of the existing Siena Hall is also proposed as the facility is no longer fit for purpose. The demolition will also open up the view lines and setting of the 1927 building to the south. Landscaping works are proposed where the hall is removed.

Roof areas and suspended areas shall be captured via the hydraulic drainage system and directed to the below-ground proposed drainage system. The remainder of the surface drainage shall be captured via new pit and pipe infrastructure. All external paved areas shall be graded to ensure no runoff enters the proposed and existing buildings. All proposed drainage shall be directed to an OSD tank and restricted to the required PSD prior to being discharged from the site. According to Burwood Council's stormwater specifications, the required PSD is 177L/s. The OSD volume required to cater for the development, and in accordance with council's requirements is approximately 265.5m^3. Refer to the below dot points for OSD calculations.

A DRAINS model has been developed to confirm the orifice size required to limit the site discharge to the specified PSD value for the 1% AEP storm event. The outlet shall have a single 270mm orifice over the outlet sufficiently limited the discharge to the specified PSD in the 1% AEP storm event.

The OSD has been sized based off the total development site within the Sports Centre, Aquatic Centre and Catherine's Garden boundary, and the area reticulating to the tank. The new landscaped area has been excluded from the OSD calculations as this separate area has improved conditions in the post-development scenario. The post-development

condition is 100% pervious, whereas in its existing condition is 100% impervious. Therefore, this area shall discharge directly to existing stormwater infrastructure rather than to an OSD tank prior to discharge.

The site discharge is to be limited to the PSD specified by Council based on the site area as per the below calculation:

- PSD (L/s) = Site Area (ha) x 150.
- = 1.18 x 150
- **= 177 L/s**

The volume of storage required is specified by Council based on the site area as per the below calculation:

- Storage (m^2) = Site Area (ha) x 225
- = 1.18 x 225
- **= 265.5**

Storm Event	Calculated PSD (L/s)	Required PSD (L/s)	Effective Volume (in DRAINS)	Required Volume (from DCP)
1% AEP	**170L/s**	**177L/s**	264m^3	265.5m^3

Calculated PSD for Development Site

The OSD shall be located to the east of the proposed Development site (Sports Centre and Aquatic Centre) within the field. Refer to the green hatched OSD tank in the figure below for the proposed location of the OSD tank.

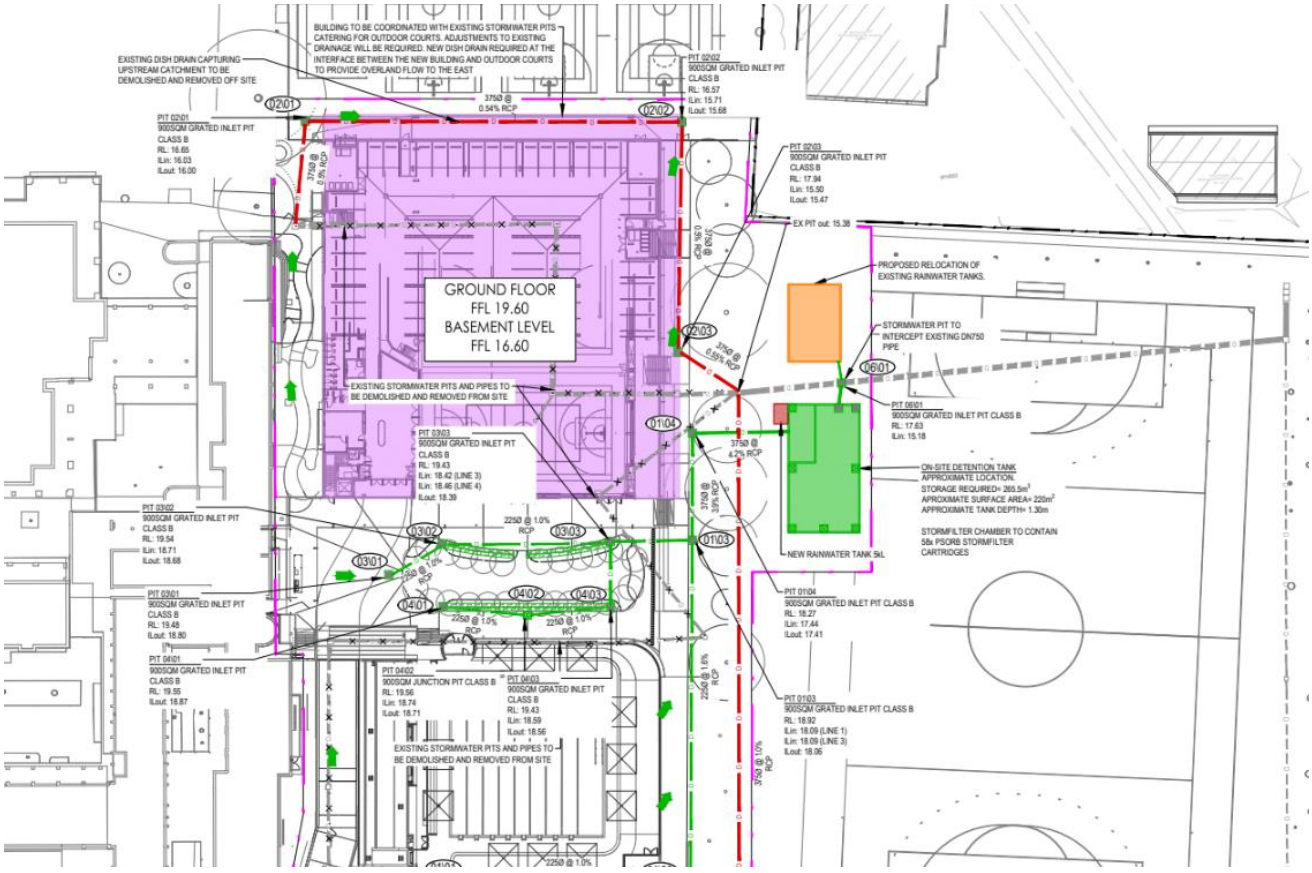

Figure 14 - Proposed OSD Tank Location (Background source: Latest M3 architectural drawing package Revision 8, dated '09/05/24')

Stormwater treatment is to be addressed through the incorporation of stormfilter cartridges to be located within the OSD tank, and oceanguard basket insets within grated inlet pits.

4.2.1.4 Stormwater Conveyance

Roof Drainage

The gutter and downpipe drainage system shall be designed in accordance with AS3500.3-2021.

Surface Drainage

The surface areas should be drained through a variety of methods, in accordance with AS3500.3-2021 and Council's stormwater drainage guidelines.

The in-ground drainage shall be designed to meet the following criteria:

- In the minor design storm event (2% AEP), there will be no surcharging of the in-ground drainage system and;
- In the major design storm event (1% AEP), there will be no uncontrolled discharge from the site onto neighbouring properties or the surrounding street.

Internal and External Surface Flow Paths

Refer to the Burwood Council Stormwater Management Code 2004, Section 3.5 and Section 3.6 for requirements relating to internal and external (upstream) overland flow path management.

Surface flow paths that carry overflows from parts of a site drainage system in major storms, or in the event of blockages, are an integral part of the drainage system. They are to be preserved, or alternative paths or pipes are to be provided.

Where surface runoff from adjoining properties flows onto the development site, such flows are to be allowed to pass through the development. Obstructions that cause damming and backwater effects on upstream properties are not permitted. Flow paths are to be retained within easements wherever possible. Surface discharges from a site, whether originating on a site, or flowing from upstream properties, shall not be concentrated to a degree greater than that which occurred prior to development. Redirection of flows, including transfers to other sub-catchments, is not permitted unless appropriate countermeasures against downstream flooding are undertaken, or discharges are diverted into Council's drainage system. Diverting flows from one sub catchment to another will not normally be permitted.

5. Authority Negotiations

5.1 Summary Table

Authority	How This Group Was Consulted	Issues Discussed	Project Response
Ausgrid	Ausgrid Portal	Preliminary Enquiry regarding the existing supply	Response letter received 20th November 2023
	Ausgrid Portal	Application for new connection	Design offer received 15th February 2024
Sydney Water	Tapin Portal	Pressure & Flow Statement	Pressure and Flow Statement received 26th July 2023
	Tapin Portal	Sewer Helio Diagram	Sewer Helio Diagram received 1st February 2024
	Tapin Portal and Email	Section 73 Feasibility Study	Feasibility Letter received April 22nd 2024
NSW SES	NSW SES Portal	FERP requirement enquiry	NSW SES contacted August 12th 2024 NSW SES forwarded the request to relevant team August 12th 2024 See section 5.6 for email receipt

5.2 Ausgrid Minutes

Preliminary Enquiry – Response Letter

Ausgrid

20/11/23 Webform ref: 1841703

STANTEC AUSTRALIA PTY LTD
Attention: Zina Zoro
Via email: zina.zoro@stantec.com

Premises address: **SANTA SABINA COLLEGE SENIOR CAMPUS 90 THE BOULEVARDE, STRATHFIELD**

Ausgrid AE Reference: **700008863**

Dear Zina

I refer to your preliminary enquiry regarding the electricity connection at the above address and provide the following information.

- ❑ The Ausgrid network does not have the capacity to connect the proposed 1389amp 3 phase low voltage electricity connection. An extension/augmentation of the Ausgrid network is required. Following is the likely work(s) required to provide the request capacity.
  - Installation of a Kiosk substation.
  - Decommissioning of existing S.8480.
  - Consolidation of supplies for the College and Rosary Lodge.
- ❑ Information regarding the private installation such as service fuse size, private protection settings, cable size(s) and so forth requires you to arrange suitably trained electrical persons to obtain the desired information about the private installation. Gathering this information may also require you to make arrangements for an interruption of electricity to the customer(s) connected to the private installation.
- ❑ Being an older installation where a connection offer is yet to be made under NECF the approved connection capacity is not readily available. It should be noted that when the maximum connection capacity is not utilised by the customer it is reduced to actual maximum demand and any subsequent surplus can be or may have been used by Ausgrid to supply others.
- ❑ An extension/augmentation of the Ausgrid network is Contestable and requires the customer to engage accredited service providers to undertake the design and construction of the required works. Information on how to connect to the Ausgrid network can be found on our website at the following link: https://www.ausgrid.com.au/Connections
- ❑ Ausgrid is unable to provide costs or timeframes for Contestable works. However, accredited service providers may be able to provide the information.
- ❑ The electrical connection will require Ausgrid to provide auxiliary services that only Ausgrid can provide. The auxiliary services and the associated fee are detailed in the Ausgrid document ***Alternative control services fee schedule.***. The document is available on our website at the following link: https://www.ausgrid.com.au/Connections/charges
- ❑ To proceed further in obtaining a new or altered electrical connection to the property a Connection Application will need to be submitted. The various application forms are available on our website at the following link: https://www.ausgrid.com.au/Connections

It should be noted that the above advise is based on Ausgrid's polices and network status as of today and are subject to change.

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Connections to the Ausgrid network are governed by a set of laws and rules referred to as the National Energy Customer Framework (NECF). Included in the NECF is the National Electricity Rules (NER). Under these rules, a binding contract may only be formed after a connection application is lodged and Ausgrid has made a connection offer in response to that application. Accordingly, to make arrangements for the electricity connection of the development to the Ausgrid network you should lodge a completed connection application.

Should you require any further information please contact me.

Yours sincerely,

Dane Davis

Ausgrid

Direct Telephone Number: 02 9585 5923
Email: ddavis@ausgrid.com.au

OFFER to provide DESIGN RELATED SERVICES

DESIGN RELATED SERVICES OFFER

Premises address:	**90 THE BOULEVARDE, STRATHFIELD 2135**	
NMI - Number:	**4103635139**	**Webform Ref 1876899**
MC Reference:	**1900126597**	**AP Reference: 800628994**
This offer is made on	15/02/2024	

By *Ausgrid* of 24 Campbell St, Haymarket NSW 2000.

To the ***connection applicant*** named in the *connection application* received on 7/02/2024 in respect of the *premises* referred to above.

Ausgrid has determined that network alterations are required to connect your development and we cannot proceed to a connection or relocation offer at this stage. To enable Ausgrid to further consider and process your application you will require a certified design and associated certification number. Your application remains technically incomplete until you have been issued a certification number.

This Design Related Services Offer provides guidance on how to obtain a certified design and associated certification number.

Scope of Network Alterations

Ausgrid has determined that the following works are required:

- Uprate of existing kiosk type substation S.8480 The Boulevarde Strath as below
    - 1000kVA Transformer
    - 1600/400/400 LV Board
- Consolidate supplies.

These works are classified as contestable, which means that you are required to fund the design and some or all of the construction works. If you have not already done so, you will need to engage and manage suitably qualified contractors, known as Accredited Service Providers (ASPs) to undertake the design and construction.

Initially, your ASP Level 3 (ASP/3) will undertake the design, and then your ASP Level 1 (ASP/1) will undertake construction in accordance with the design and Ausgrid's policies and standards. The timeframe for the works will vary depending on factors such as the complexity and the way in which you manage your ASP's.

Once the works have been satisfactorily completed and electrified, the premises connection assets will be owned and maintained by Ausgrid as part of the electricity distribution network.

Contract for Design Related Services

This letter is an offer for the Customer to enter into a Contract for Design Related Services with Ausgrid. It remains open for acceptance for 45 business days. If the offer is accepted by the Applicant, the Applicant does so as the Customer's agent. No work will be undertaken by *Ausgrid* until a Design Contract is in place.

You are encouraged to contact ASP/3's and ASP/1's to understand the likely overall costs you will incur for design and construction before you accept and commit to the Contract for Design Related Services.

IMPORTANT: The contractual arrangements provide the framework for a design to be prepared by your ASP/3, and NOT by *Ausgrid*. *Ausgrid's* fees as outlined below are for the design related network services we provide during the design phase and are **IN ADDITION** to the fees charged by your ASP/3 in preparing the design.

Acceptance Fees

The acceptance fees relating to the Contract for Design Related Services are outlined in the attached Acceptance Fee Summary and also detailed on the Ausgrid Portal page. *Ausgrid* will invoice **the Customer** once we receive acceptance via the Ausgrid Portal along with a Customer Details Form (attached). The Contract will commence when you pay the invoiced fee.

The acceptance fees are an estimate for the *Ausgrid* services required and are payable up front by the **Customer**. Further fees may apply for any additional services required and these will be quoted via the Ausgrid Portal on each occasion.

Ausgrid's published rates for our services are amended from time to time in our Alternative Control Services Fee Schedule Publication, and in accordance with the Contract, *Ausgrid* reserves the right to charge the rates that are applicable at the time the service is provided.

Fees for *Ausgrid's* services are in addition to the design and construction costs charged by your ASP's, and some fees may not be refundable if the service has already been provided. Fees and rates are set by the Australian Energy Regulator.

WHAT TO DO NEXT

- To move ahead, please accept the offer (see below) outlined in this document and then have the **Customer** pay the invoice that will be forwarded
- **Complete and forward the Customer Details Form**
- Engage an ASP Level 3 designer
  - On the Ausgrid Portal, nominate the ASP/3 as the designer for this project
  - Advise the ASP/3 that the Design Information Category for this project is **Simple**

Enquiries: connections.technical.enquiries@ausgrid.com.au

Enclosures:

Contract terms – via website at:
https://ausgrid.com.au/CDRS.

Customer Details Form – via website at
https://ausgrid.com.au/customerdetailsform

Acceptance Fee Summary – attached

PLEASE REVIEW THE OFFER OUTLINED IN THIS LETTER, ALONG WITH THE TERMS LINKED ABOVE, THEN PROCEED TO THE AUSGRID PORTAL

IF YOU WISH TO ACCEPT THIS OFFER

SELECT "ACCEPT" AGAINST THE OFFER ON THE AUSGRID PORTAL WITHIN 45 BUSINESS DAYS

RETURN THE CUSTOMER DETAILS FORM BY EMAIL TO contestability@ausgrid.com.au

IF YOU WISH TO DECLINE THE OFFER

SELECT "DECLINE" AGAINST THE OFFER ON THE AUSGRID PORTAL.

Should you wish to proceed in the future, a new connection application will need to be lodged.

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DESIGN RELATED SERVICES OFFER

ACCEPTANCE FEE SUMMARY

Service Description	Unit	Quantity	Price per unit	Total Price
Design Service Package 03	Service	1.00000	$0.00	$0.00
Administration of Contestable Works - General - Design	Service	1.00000	$282.44	$282.44
Design Information - Simple	Service	1.00000	$714.70	$714.70
Design Certification - Other - R3	Hour	13.00000	$234.33	$3,046.29
SUBTOTAL				$4,043.43
GST (10%)				$404.34
TOTAL				$4,447.77

These fees are an **initial estimate** for the services we will require to provide throughout the design contract and are payable up front by the **Customer**, on acceptance of the contract.

IMPORTANT: **Additional** services may be required through the course of the design contract (e.g. asset number requests, specialist services, consultancy services). The fee for such services will be billed to the **Customer** in accordance with the contract, and are payable prior to design certification. Typical examples include, but are not limited to, fees for asset creation, additional certification effort and requests to vary network standards.

TO AVOID DELAYS, DON'T FORGET TO RETURN A COPY OF THE COMPLETED **CUSTOMER DETAILS FORM** TO AUSGRID (contestability@ausgrid.com.au)

5.3 Sydney Water Pressure and Flow

Statement of Available Pressure and Flow

Mitchell Wherry
207 Pacific Highway
St Leonards, 2065

Attention: Mitchell Wherry Date: 26/07/2023

Pressure & Flow Application Number: 1695530
Your Pressure Inquiry Dated: 2023-07-21
Property Address: 90 The Boulevarde, Strathfield 2135

The expected maximum and minimum pressures available in the water main given below relate to modelled existing demand conditions, either with or without extra flows for emergency fire fighting, and are not to be construed as availability for normal domestic supply for any proposed development.

ASSUMED CONNECTION DETAILS

Street Name: Jersey Road	Side of Street: North
Distance & Direction from Nearest Cross Street	175 metres East from The Boulevarde
Approximate Ground Level (AHD):	26 metres
Nominal Size of Water Main (DN):	250 mm

EXPECTED WATER MAIN PRESSURES AT CONNECTION POINT

Normal Supply Conditions	
Maximum Pressure	49 metre head
Minimum Pressure	22 metre head

WITH PROPERTY FIRE PREVENTION SYSTEM DEMANDS	Flow l/s	Pressure head m
Fire Hose Reel Installations (Two hose reels simultaneously)	0.66	22
Fire Hydrant / Sprinkler Installations (Pressure expected to be maintained for 95% of the time)	10 15 20 25 30 40 50 60	24 23 23 23 23 22 21 20
Fire Installations based on peak demand (Pressure expected to be maintained with flows combined with peak demand in the water main) Maximum Permissible Flow	10 15 20 25 30 40 50 60 118	21 21 21 20 20 19 19 18 10

(Please refer to reverse side for Notes)

For any further inquiries regarding this application please email :

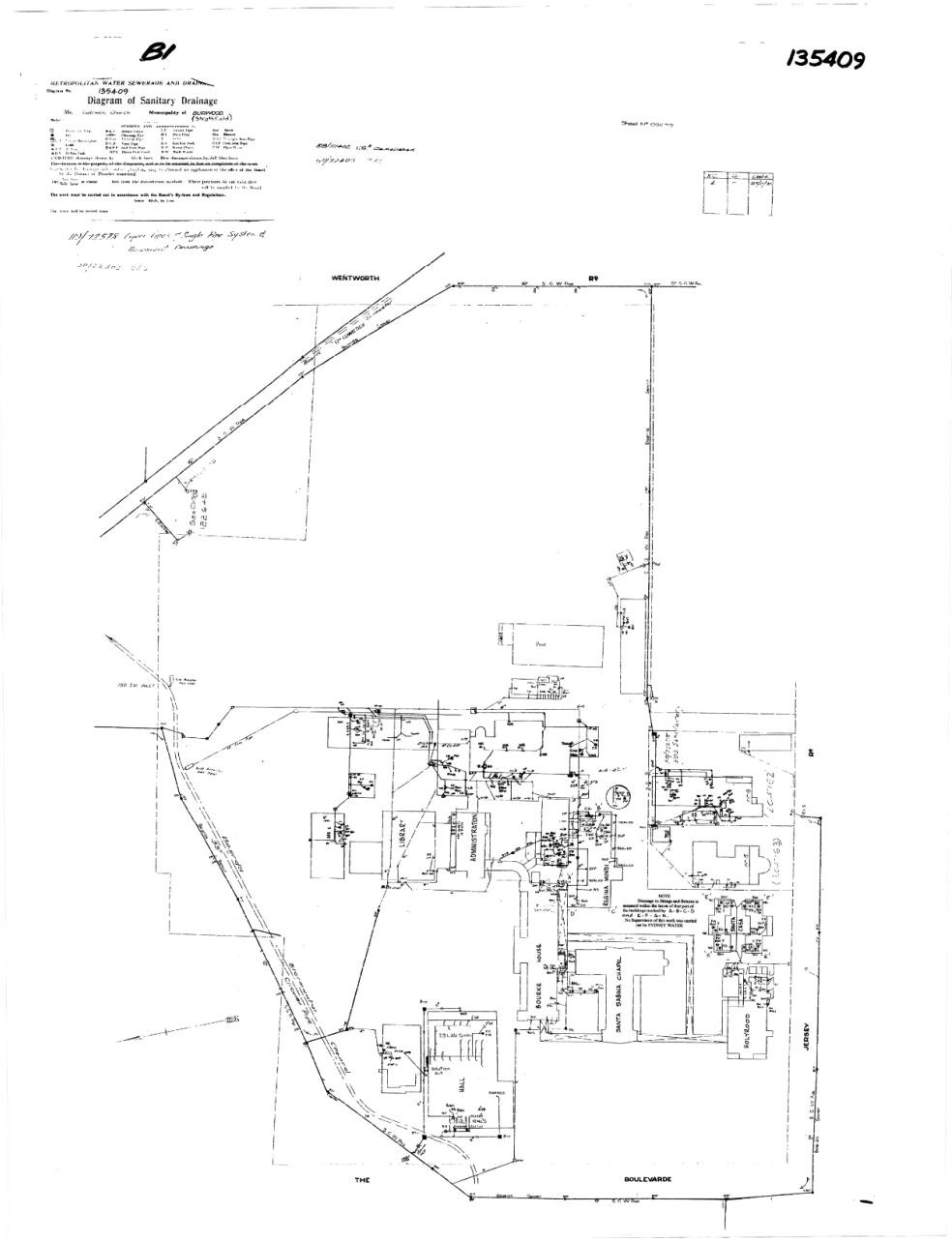
swtapin@sydneywater.com.au

5.4 Sydney Water Helio Diagram

Sydney WATER

Sewer Service Diagram

Application Number: 1817268



Document generated at 01-02-2024 03:10:04 PM

Disclaimer
The information in this diagram shows the private wastewater pipes on this property. It may not be accurate or to scale and may not show our pipes, structures or all property boundaries. If you'd like to see these, please buy a **Service location print**.

Page 1

5.5 Sydney Water Feasibility Letter

Case Number: 212505

April 22, 2024

SANTA SABINA COLLEGE
c/- STANTEC AUSTRALIA PTY LTD.

Feasibility Letter

Developer:	**SANTA SABINA COLLEGE**
Your reference:	
Development:	**The Boulevard, Strathfield**
Development Description:	**Proposed works include refurbishment of existing buildings, demolishing and construction of new amenities/buildings within school boundary.**
Your application date:	**February 13, 2024**

Dear Applicant

This Feasibility Letter (Letter) is a guide only. It provides general information about what our requirements could be if you applied to us for a Section 73 Certificate (Certificate) for your proposed development. **The information is accurate at today's date only.**

We have not allocated any system capacity to your proposal from the investigation into this Feasibility advice. This advice is only an indication of our systems and possible requirements as of today. Where there is system capacity, it may have been fully utilised by the time you obtain a Consent. The requirements applied to any approved Development proposal may differ significantly in the future since the original advice was issued.

If you obtain development consent for that development from your consent authority (this is usually your local Council) they will require you to apply to us for a Section 73 Certificate. You will need to

submit a new application (and pay another application fee) to us for that Certificate by using your current or another Water Servicing Coordinator (WSC).

We'll then send you either a:

- Notice of Requirements (Notice) and Developer Works Deed (Deed)
  or
- Certificate.

These documents will be the definitive statement of our requirements.

There may be changes in our requirements between the issue dates of this Letter and the Notice or Certificate. The changes may be:

- if you change your proposed development eg the development description or the plan/site layout, after today, the requirements in this Letter could change when you submit your new application

- if you decide to do your development in stages then you must submit a new application (and pay another application fee) for each stage.

Infrastructure contributions for drinking water and wastewater will be payable on all developments that require a Section 73 Compliance Certificate to be issued from 1 July 2024 onwards. Infrastructure contributions help recover the cost of providing infrastructure to new developments. Please refer to the Costs section of this letter for more information.

No warranties or assurances can be given about the suitability of this document or any of its provisions for any specific transaction. It does not constitute an approval from us and to the extent that it is able, we limit its liability to the reissue of this Letter or the return of your application fee. You should rely on your own independent professional advice.

What You Must Do To Get A Section 73 Certificate In The Future.

To get a Section 73 Certificate you must do the following things. You can also find out about this process by visiting Plumbing, building & developing page on our website.

1. **Obtain Development Consent from the consent authority for your development proposal.**

2. **Engage a Water Servicing Coordinator (WSC).**

   You must engage your current or another authorised WSC to manage the design and construction of works that you must provide, at your cost, to service your development. If you wish to engage another WSC (at any point in this process) you must write and tell us.

   You'll find a list of WSC's at Listed providers on our website.

   The WSC will be your point of contact with us. They can answer most questions that you might have about the process and developer charges and can give you a quote or information about costs for services/works (including our costs).

4. **Water, Sewer and Stromwater Works**

   4.1 Water

Your development must have a frontage to a water main that is the right size and can be used for connection.

We've assessed your application and found that:

- The Feasibility involves two separate sites.
- Each Campus has frontage to multiple streets and is serviced by different mains.
- The Primary Campus has 3 existing water meters
- The Secondary Campus has 6 existing water meters
- The WSC has stated that no new connections will be required.

- It is the Developers responsibility to assess the capability of the existing connections.
- In principle there is no objection to the school continuing the use of these existing connections for the Primary Campus and a Secondary Campus.
- If the need for new/larger connections changes during the development process then this new information must be supplied at Section 73 stage.
- Calculation method of hydraulics will need to be provided at submission of Section 73 application.

4.2 Sewer

Your development must have a sewer main that is the right size and can be used for connection. That sewer must also have a connection point within your development's boundaries.

We've assessed your application and found that:

- Each Campus is serviced by connection to multiple sewer mains.
- The WSC has stated that no new connections will be required.
- In principle there is no objection to the school continuing the use of these existing connections.
- If the need for new connections changes, then this must be supplied at Section 73 stage.
- Calculation method of hydraulics will need to be provided at submission of Section 73 application.

4.3 Storm Water

Case No 212505 - Santa Sabina College, 90 The Boulevard, Strathfield

Terms of Reply

Sydney Water's objection to the proposal

Sydney Water objects to the proposal in its current format as it does not meet Sydney Water's building over and adjacent to stormwater assets policy and guideline. As per the current policy and guideline, no buildings or permanent structures are to be proposed over Sydney Water's stormwater assets or within 1m from the outside face of the Sydney Water's stormwater assets. This clearance requirement would apply for unlimited depth and height.

Building over or adjacent to stormwater assets

Sydney Water's guidelines for building over or adjacent to stormwater assets outline the process and design requirements for such activities. As per the guidelines, the applicant is advised of the following:

No building or permanent structure is to be proposed over the stormwater channel / pipe or within **1m** from the outside wall of the channel / pipe or within Sydney Water easement whichever is larger. Permanent structures include (but are not limited to) basement car park, hanging balcony, roof eves, hanging stairs, stormwater pits, stormwater pipes, elevated driveway, basement access or similar structures. This clearance requirement would apply for unlimited depth and height.

The applicant is required to submit the elevation drawings with the stormwater channel/ pipe, to ensure that the proposed buildings and permanent structures are 1m away from the outside face of the stormwater channel and away from the Sydney Water easement.

Please also note that current Specialist Engineering Assessment Procedure does require additional clearances, based on the size of the Sydney Water's asset. Proponent also needs to comply with these clearance requirements as per Specialist Engineering Assessment Procedure. Further details regarding this Specialist Engineering Assessment Procedure could be obtained from your Water Servicing Coordinator.

Locating the Exact Position of the Stormwater Channel

Exact position of the stormwater pipe/ channel is to be identified using potholes or any other acceptable survey method. Location of the easement position should not be used as location of the stormwater channel/ pipe/ Asset.

Dilapidation Survey Report

The proponent is required to undertake a dilapidation survey report / CCTV report of the Sydney Water's stormwater channel/ pipe prior to commencement of any work on the site. This report should extent at least 5m upstream and downstream from the property boundary. A copy of this dilapidation report is to be provided to Sydney Water.

This dilapidation survey report/ CCTV Report is to be carried out again upon completion of the all construction work and need to provide an assessment report. This assessment report needs to compare the pre-construction CCTV / Dilapidation report with post-construction CCTV / Dilapidation report, confirming that no damage has occurred to Sydney Water's stormwater pipe/ channel/ assets during construction.

Bond Money

Bond money is required for the proposed work adjacent to Sydney Water's stormwater channel/ pipe/ asset. The amount of bond money is determined upon review of the pre-construction CCTV inspection/ dilapidation survey report and likely risk to the Sydney Water's stormwater assets based on the proposed development and its proximity to Sydney Water's stormwater assets.

Stormwater connections to Sydney Water's Stormwater Channel

Sydney Water has noted that the proponent has no intention to make any new stormwater connections as part of the current proposal.

On-site Stormwater Detention (OSD)

The proposed development will require an OSD system to offset stormwater run-off. To determine the required On Site Detention and Permissible Site Discharge (PSD), the following site specific information is required to be submitted:

All new buildings and permanent structures require On Site Detention. The following details are to be based on the new buildings and permanent structures (not the whole site):

- Total site area (m^2)
- Existing pre-development impervious area (m^2)
- Proposed post-development impervious area (m^2)

If a percentage of the site area does not drain into the OSD system, the rate of discharge from the OSD storage must be restricted so that the total flow from the site (from the OSD storage and free runoff) does not exceed the specified PSD.

On Site Detention is to be designed according to the Sydney Water's values and the details of the On Site Detention are to be submitted to Sydney Water for review and approval.

The following details are to be included in your submission for On Site Detention approval:

- Location of the On Site Detention in relation to the development
- Location of the On Site Detention in relation to overall stormwater network of the property
- Plan and Elevation of the On Site Detention tank with all dimensions
- Orifice plate calculation

5. Ancillary Matters

5.1 Asset adjustments

After we issue this Notice (and more detailed designs are available), we may require that the water main/sewer main/stormwater located in the footway/your property needs to be adjusted/deviated. If this happens, you'll need to do this work as well as the extension we have detailed above at your cost. The work must meet the conditions of this Notice and you will need to complete it **before we can issue the Certificate**. We'll need to see the completed designs for the work, and we'll require you to lodge a security. The security will be refunded once the work is completed.

5.2 Entry onto neighbouring property

If you need to enter a neighbouring property, you must have the written permission of the relevant property owners and tenants. You must use our **Permission to Enter** form(s) for this. You can get copies of these forms from your WSC or on our website. Your WSC can also negotiate on your behalf. Please make sure that you address all the items on the form(s) including payment of compensation and whether there are other ways of designing and

constructing that could avoid or reduce their impacts. You will be responsible for all costs of mediation involved in resolving any disputes. Please allow enough time for entry issues to be resolved.

Infrastructure Contributions

Infrastructure contributions for drinking water and wastewater will be payable on all developments that require a Section 73 Compliance Certificate to be issued from 1 July 2024 onwards.

The infrastructure contributions are set in accordance with the Development Servicing Plans registered with the Independent Pricing and Regulatory Tribunal (IPART) and in accordance with *Independent Pricing and Regulatory Tribunal Act*.

The contributions will be gradually reintroduced such that they will be capped at 25 percent in 2024-25 and 50 percent in 2025-26, with full contributions payable from 1 July 2026 onwards, in line with a transition plan approved by the NSW Government.

You can find more information on the reintroduction of drinking water and wastewater contributions at https://www.sydneywatertalk.com.au/infrastructure-contributions.

6. Approval of your Building Plans

You must have your building plans approved **before the Certificate can be issued. Building construction work MUST NOT commence until we have granted approval.** Approval is needed because construction/building works may affect our assets (e.g. water and sewer mains).

Your WSC can tell you about the approval process including:

- Your provision, if required, of a “Services Protection Report” (also known as a “pegout”). This is needed to check whether the building and engineering plans show accurately where our assets are located in relation to your proposed building work. Your WSC will then either approve the plans or make requirements to protect those assets before approving the plans
- Possible requirements
- Their Costs

- Timeframes.

We recommend that you apply for Building Plan Approval early as in some instances your WSC may need to refer your building plans to us for detailed review. You'll be required to pay us for the costs associated with the detailed review.

You can also find information about this process (including technical specifications) on our Plumbing, building & developing page on our website or call us on 13 20 92.

Notes:

- **The Certificate will not be issued until the plans have been approved and, if required, our assets are altered or deviated**
- **You can only remove, deviate, or replace any of our pipes using temporary pipework if you have written approval from us. You must engage your WSC to arrange this approval**
- **You must obtain our written approval before you do any work on our systems. We'll take action to have work stopped on the site if you do not have that approval. We will apply Section 44 of the *Sydney Water Act 1994*.**

OTHER THINGS YOU MAY NEED TO DO

Shown below are other things you need to do that are NOT a requirement for the Certificate. They may well be a requirement from us in the future because of the impact of your development on our assets. You must read them before you go any further.

Disused Sewerage Service Sealing

Please do not forget that you must pay to disconnect all disused private sewerage services and seal them at the point of connection to our sewer main. This work must meet our standards in the Plumbing Code of Australia (the Code) and be done by a licensed drainer. The licensed drainer must arrange for an inspection of the work by a NSW Fair Trading Plumbing Inspection Assurance Services (PIAS) officer. After that officer has looked at the work, the drainer can issue the Certificate of Compliance. The Code requires this.

Soffit Requirements

Please be aware that floor levels must be able to meet our soffit requirements for property connection and drainage.

Requirements for Business Customers for Commercial and Industrial Property Developments

If this property is to be developed for Industrial or Commercial operations, it may need to meet the following requirements:

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 wait for approval of this permit before any business activities can commence.

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

It is illegal to discharge Trade Wastewater into the Sydney Water sewerage system without permission.

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. Visit www.sydneywater.com.au > Plumbing, building & developing > Plumbing > Backflow prevention to find a plumber.

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. Visit www.waterrating.gov.au/ to take you to the WELS (Water Efficiency Labelling and Standards (WELS) Scheme
- Consider installing rainwater tanks to capture rainwater runoff, and reusing it, where cost effective. Visit www.sydneywater.com.au > Plumbing, building & developing > Plumbing > Rainwater *tanks*
- 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.

Fire Fighting

Definition of fire fighting systems is the responsibility of the developer and is not part of the Section 73 process. It is recommended that a consultant should advise the developer regarding the fire

fighting flow of the development and the ability of our system to provide that flow in an emergency. Sydney Water's Operating Licence directs that our mains are only required to provide domestic supply at a minimum pressure of 15 m head.

A report supplying modelled pressures called the Statement of Available pressure can be purchased through Sydney Water Tap in ™ and may be of some assistance when defining the fire fighting system. The Statement of Available pressure may advise flow limits that relate to system capacity or diameter of the main and pressure limits according to pressure management initiatives. If mains are required for fire fighting purposes, the mains shall be arranged through the water main extension process and not the Section 73 process.

Large Water Service Connection

A water main are available to provide your development with a domestic supply. The size of your development means that you will need a connection larger than the standard domestic 20 mm size.

To get approval for your connection, you will need to lodge an application with Sydney Water Tap in ™. You, or your hydraulic consultant, may need to supply the following:

- a plan of the hydraulic layout
- a list of all the fixtures/fittings within the property
- a copy of the fireflow pressure inquiry issued by us
- a pump application form (if a pump is required)
- all pump details (if a pump is required).

You'll have to pay an application fee.

We don't consider whether a water main is adequate for fire fighting purposes for your development. We can't guarantee that this water supply will meet your Council's fire fighting requirements. The Council and your hydraulic consultant can help.

Disused Water Service Sealing

You must pay to disconnect all disused private water services and seal them at the point of connection to our water main. This work must meet our standards in the Plumbing Code of Australia (the Code) and be done by a licensed plumber. The licensed plumber must arrange for an inspection of the work by a NSW Fair Trading Plumbing Inspection Assurance Services (PIAS)

officer. After that officer has looked at the work, the drainer can issue the Certificate of Compliance. The Code requires this.

Other fees and requirements

The requirements in this Notice relate to your Certificate application only. We may be involved with other aspects of your development and there may be other fees or requirements. These include:

- plumbing and drainage inspection costs

the installation of backflow prevention devices;

- trade waste requirements
- large water connections and
-
- council fire fighting requirements. (It will help you to know what the fire fighting requirements are for your development as soon as possible. Your hydraulic consultant can help you here.)

No warranties or assurances can be given about the suitability of this document or any of its provisions for any specific transaction. It does not constitute an approval from us and to the extent that it is able, we limit its liability to the reissue of this Letter or the return of your application fee. You should rely on your own independent professional advice.

END

5.6 NSW SES Flood Emergency Response Plan

Good afternoon Nathan

Thank you for your enquiry to the NSW SES.

I have forwarded your requests to the relevant team for their action.

Kind Regards

Chontell Asserian
Receptionist |
NSW State Emergency Service - SHQ
P 0242516499 E visitors@ses.nsw.gov.au
93-99 Burelli Street Wollongong NSW 2500
PO Box 6126 Wollongong NSW 2500
www.ses.nsw.gov.au

MISSION - NSW SES SAVING LIVES AND CREATING SAFER COMMUNITIES

VISION – A TRUSTED VOLUNTEER-BASED EMERGENCY SERVICE, WORKING TOGETHER TO DELIVER EXCELLENCE IN COMMUNITY PREPAREDNESS AND EMERGENCY RESPONSE

FOR EMERGENCY HELP IN FLOODS AND STORMS CALL THE NSW SES ON 132 500

From: contactform@ses.nsw.gov.au <contactform@ses.nsw.gov.au>
Sent: Monday, August 12, 2024 3:18 PM
To: Visitors <visitors@ses.nsw.gov.au>
Subject: New enquiry from SES website

Regarding: General

Name: Nathan Oakley

Email: nathan.oakley@stantec.com

Message: Hello, I am reaching out on behalf of Stantec for a development project at 84, 86 and 90-98 The Boulevarde, Strathfield (Santa Sabina College). Stantec is seeking clarification on the necessity of a FERP (Flood Emergency Response Plan) for this provided location.
Kind Regards, Nathan Oakley Graduate Civil Engineer, Stantec

W

Level 9, The Forum,
203 Pacific Highway
Sydney NSW 2065
Tel +61 2 9496 7700

Stantec

Connect with us

stantec.com/australia