ROSE ATKINS RIMMER
Infrastructure Pty Ltd
Water Related Infrastructure
Design & Management
Licensed Water Servicing Coordinator

Shop 7 & 8 M Centre
18/40 Sterling Road
Minchinbury NSW 2770

P: (02) 9853 0200
F: (02) 9671 7399
e: rar@rari.com.au

ABN 54 094 707 276

20 September 2024

Gardoxi Pty Ltd
C/- Isaac Family Office

Attention: Jono Isaac

RE: 40 MYOORA RD, TERREY HILLS

Dear sir,

I am writing to you in my capacity as a Water Servicing Coordinator, licensed by Sydney Water.

The abovementioned property fronts a DN90 Sydney Water pressure sewer main. Although Sydney Water's records indicate that there is no approval to connect, it is our opinion that this sewer is available for connection and has the capacity to service the proposed development. Approval to connect will need to be obtained under the Section 73 developer compliance process with Sydney Water. It is expected that this application will be lodged upon submission of the DA application.

It is also our belief that the watermain available for connection in Mona Vale Rd has the capacity to service the development.

Regards,

Steve Rimmer – Managing Director

Rose Atkins Rimmer.(Infrastructure) Pty Ltd

Statement of Available Pressure and Flow

Sydney WATER

Alex Haggett
40 Sterling Road
Minchinbury, 2770

Attention: Alex Haggett Date: 08/07/2024

Pressure & Flow Application Number: 1918648
Your Pressure Inquiry Dated: 2024-06-27
Property Address: 40 Myoora Road, Terrey Hills 2084

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: Myoora Road	Side of Street: West
Distance & Direction from Nearest Cross Street	200 metres North from Aumuna Road
Approximate Ground Level (AHD):	170 metres
Nominal Size of Water Main (DN):	100 mm

EXPECTED WATER MAIN PRESSURES AT CONNECTION POINT

Normal Supply Conditions	
Maximum Pressure	89 metre head
Minimum Pressure	57 metre head

WITH PROPERTY FIRE PREVENTION SYSTEM DEMANDS	Flow l/s	Pressure head m
Fire Hose Reel Installations (Two hose reels simultaneously)	0.66	56
Fire Hydrant / Sprinkler Installations (Pressure expected to be maintained for 95% of the time)	10 15 16	41 24 18
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 16	36 18 10

(Please refer to reverse side for Notes)

For any further inquiries regarding this application please email :

hydraulicassessment@sydneywater.com.au

General Notes

This report is provided on the understanding that (i) the applicant has fully and correctly supplied the information necessary to produce and deliver the report and (ii) the following information is to be read and understood in conjunction with the results provided.

1. Under its Act and Operating Licence, Sydney Water is not required to design the water supply specifically for fire fighting. The applicant is therefore required to ensure that the actual performance of a fire fighting system, drawing water from the supply, satisfies the fire fighting requirements.

2. Due to short-term unavoidable operational incidents, such as main breaks, the regular supply and pressure may not be available all of the time.

3. To improve supply and/or water quality in the water supply system, limited areas are occasionally removed from the primary water supply zone and put onto another zone for short periods or even indefinitely. This could affect the supply pressures and flows given in this letter. This ongoing possibility of supply zone changes etc, means that the validity of this report is limited to one (1) year from the date of issue. It is the property owner's responsibility to periodically reassess the capability of the hydraulic systems of the building to determine whether they continue to meet their original design requirements.

4. Sydney Water will provide a pressure report to applicants regardless of whether there is or will be an approved connection. Apparent suitable pressures are not in any way an indication that a connection would be approved without developer funded improvements to the water supply system. These improvements are implemented under the Sydney Water 'Urban Development Process'.

5. Pumps that are to be directly connected to the water supply require approval of both the pump and the connection. Applications are to be lodged online via Sydney Water Tap in™ system -
Sydney Water Website – www.sydneywater.com.au/tapin/index.htm. Where possible, on-site recycling tanks are recommended for pump testing to reduce water waste and allow higher pump test rates.

6. Periodic testing of boosted fire fighting installations is a requirement of the Australian Standards. To avoid the risk of a possible 'breach' of the Operating Licence, flows generated during testing of fire fighting installations are to be limited so that the pressure in Sydney Water's System is not reduced below 15 metres. Pumps that can cause a breach of the Operating Licence anywhere in the supply zone during testing will not be approved. This requirement should be carefully considered for installed pumps that can be tested to 150% of rated flow.

Notes on Models

1. Calibrated computer models are used to simulate maximum demand conditions experienced in each supply zone. Results have not been determined by customised field measurement and testing at the particular location of the application.

2. Regular updates of the models are conducted to account for issues such a urban consolidation, demand management or zone change.

3. Demand factors are selected to suit the type of fire-fighting installation. Factor 1 indicates pressures due to system demands as required under Australian Standards for fire hydrant installations. Factor 2 indicates pressures due to peak system demands.

4. When fire-fighting flows are included in the report, they are added to the applicable demand factor at the nominated location during a customised model run for a single fire. If adjacent properties become involved with a coincident fire, the pressures quoted may be substantially reduced.

5. Modelling of the requested fire fighting flows may indicate that local system capacity is exceeded and that negative pressures may occur in the supply system. Due to the risk of water contamination and the endangering of public health, Sydney Water reserves the right to refuse or limit the amount of flow requested in the report and, as a consequence, limit the size of connection and/or pump.

6. The pressures indicated by the modelling, at the specified location, are provided without consideration of pressure losses due to the connection method to Sydney Water's mains.

Statement of Available Pressure and Flow

Alex Haggett
40 Sterling Road
Minchinbury, 2770

Attention: Alex Haggett Date: 26/07/2024

Pressure & Flow Application Number: 1932813
Your Pressure Inquiry Dated: 2024-07-17
Property Address: 40 Myoora Road, Terrey Hills 2084

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: Mona Vale Road	Side of Street: West
Distance & Direction from Nearest Cross Street	200 metres North from Aumuna Road
Approximate Ground Level (AHD):	188 metres
Nominal Size of Water Main (DN):	375 mm

EXPECTED WATER MAIN PRESSURES AT CONNECTION POINT

Normal Supply Conditions	
Maximum Pressure	71 metre head
Minimum Pressure	42 metre head

WITH PROPERTY FIRE PREVENTION SYSTEM DEMANDS	Flow l/s	Pressure head m
Fire Hose Reel Installations (Two hose reels simultaneously)	0.66	42
Fire Hydrant / Sprinkler Installations (Pressure expected to be maintained for 95% of the time)	10 15 20 25 30 40 50 60	43 42 42 42 41 40 40 38
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 82	41 41 41 40 40 39 37 36 33

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