



AQUALOGICAL

Smarter Plumbing Design

HYDRAULIC ASSESSMENT REPORT

Victoria Square

15 Victoria Ave, Broadbeach QLD 4218

Prepared by:

Aqualogical Pty Ltd
Hydraulic Services Consultants

P: 07 3208 5233
E: admin@aqualogical.com.au
W: www.aqualogical.com.au

Unit B5 Commercial Court,
130 Kingston Rd Underwood Qld 4119
PO Box 220 Rochedale South Qld 4123

ABN: 16 218 986 269
QBCC: 1099893
Project No: A250240 15 Victoria Avenue Broadbeach
Date: 4th March 2025



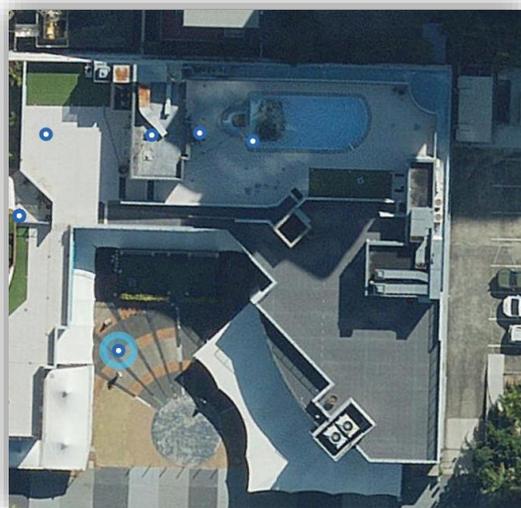
Jerzyński Consulting PTY LTD trading as Leakfix
ABN: 94 648 891 221

First Review
28/03/2025 7:11:56 AM

Project: LFX-24-0060 - Victoria Square Pool Deck
Prepared by: Jakub Jerzyński

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The following investigation report is based off a site inspection conducted on the 27th of February 2025 at 15 Victoria Ave, Broadbeach QLD 4218. To investigate the existing stormwater outlets to ensure they were adequate to service the terrace area. Refer to the below overview of the property location.



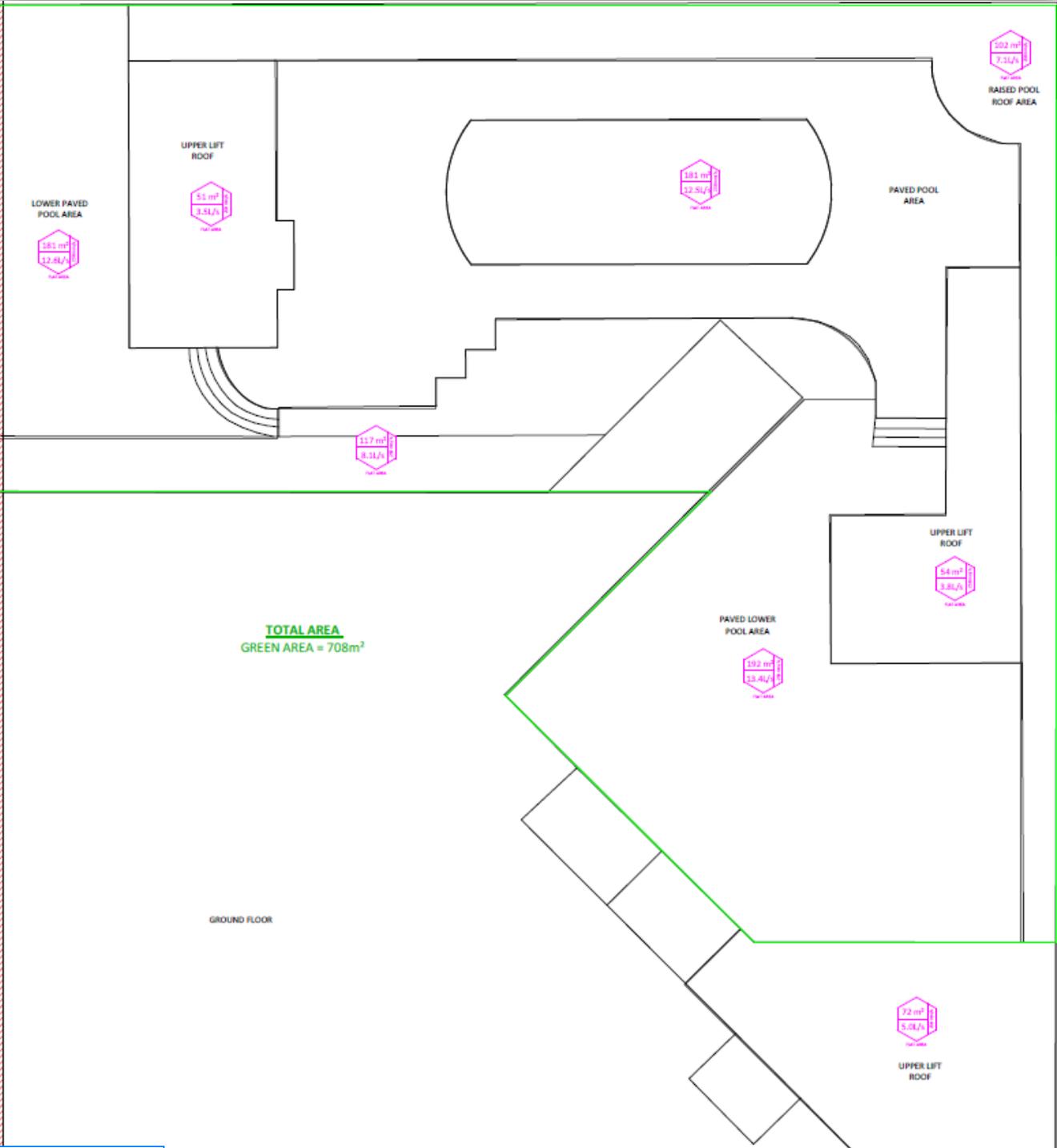
Property Location




Jerzyaniak Consulting PTY LTD trading as Leakfix ABN: 94 648 891 221
First Review 28/03/2025 7:12:25 AM
Project: LFX-24-0060 - Victoria Square Pool Deck Prepared by: Jakub Jerzyaniak
<small>DISCLAIMER: This document review is provided by Jerzyaniak Consulting PTY LTD trading as Leakfix, a professional waterproofing consultant, based on the information provided and the conditions at the time of review. The advice herein is intended for the sole use of our Client party and is subject to the our Terms and Conditions agreed upon between Jerzyaniak Consulting PTY LTD trading as Leakfix and the said party.</small>

During the site inspection we visually inspected 3x 225mm stormwater outlets distributed evenly across the rooftop terrace. These outlets will act as stormwater grates to service any surface water that will fall onto the rooftop area.

According to AS3500.3, a 225mm diameter stormwater dropper has the capacity to carry 73.5 liters per second. Based on the diagram provided below, the rooftop area is designed to capture a total of 66 liters per second at maximum flow, accounting for a 1 in 100-year rain event.



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ABN: 94 648 891 221

First Review
28/03/2025 7:12:28 AM

Project: LFX-24-0060 - Victoria Square Pool Deck
Prepared by: Jakub Jerzyniak

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phone 07 3208 5233 fax 07 3208 5244
email admin@aqualogical.com.au web www.aqualogical.com.au
b5 commercial court, 130 kingston rd underwood qld 4119
po box 220 rochedale south qld 4123

WATERPROOFING CONTRACTOR HAVENT BEEN ENGAGED, SPECIFICATION FOR TENDER WAS UPDATED AND RE-ISSUED ON MARCH 23rd 2025.



We traced the stormwater droppers to the basement level to verify that the stormwater was connected to an approved point of discharge. We were unable to visually inspect the final few metres of pipework due to a wall cavity, however based off the findings we assume that is it connected to the civil infrastructure (council mains).

It was also noted that the waterproofing contractors engaged to reline the terrace have confirmed that they are able to achieve even fall to all 3 stormwater droppers, this is a crucial part in the systems design.

ACKNOWLEDGED, THANK YOU. :)

Based on the analysis and calculations conducted above, it can be confirmed that the three stormwater outlets are capable of managing the water flow requirements for this terrace area. The findings indicate that the outlets have been designed and installed with sufficient capacity to handle the anticipated water volume generated during heavy rain events.

If there are any questions in relation to this report, please contact the undersigned.

Daniel Chandler

0432 066 770

Aqualogical Pty Ltd

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ABN: 94 648 891 221

First Review
28/03/2025 7:12:31 AM

Project: LFX-24-0060 - Victoria Square Pool Deck
Prepared by: Jakub Jerzyniak

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