



Vipac Engineers and Scientists Limited

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Wangaratta South Pty Ltd

54 Cremorne Street

Cremorne, Australia

05-02-2020

Ref: 30N-19-0117-TNT-6772657-1

Attention: Steve Ingram

Dear Steve Ingram

25-43 Wangaratta Street, Richmond

Vipac Engineers and Scientists completed a wind tunnel test in July 2019 on the proposed development at 25-43 Wangaratta Street, Richmond. Drawings of the updated design were supplied from Bates Smart in February 2020 and a comparison was made with the findings in the July 2019 wind tunnel test report.

The July 2019 wind report recommended increasing the column widths to 800m, or set back entrance to ameliorate the adverse wind conditions at Location 28. The updated design (February 2020) proposes two alternatives:

- A large tree to extend three storeys within the central void of the public laneway (Figure 1), or
- The same large three storey tree but with a 450 mm high public seating element.

Vipac has reviewed the July 2019 wind tunnel test data with the updated February 2020 design and can conclude that the updated design is expected to fulfil the recommended criterion of standing for Location 28. Therefore, Vipac makes no further recommendations for wind amelioration.

Yours sincerely,

Vipac Engineers & Scientists Ltd

Eric Yuen

Wind Engineer

05-02-2020



Attachments:

Updated Drawings Received February 2020

DWG NO.	REV	DRAWING SERIES	DRAWING TITLE
TP_A01.00	B	Site	Location Plan
TP_A01.10	B	Site	Existing Site Survey Plan
TP_A01.11	B	Site	Demolition Plan
TP_A02.00	C	Key Plan	Ground Level
TP_A02.10	C	Key Plan	First Level
TP_A02.20	C	Key Plan	Second Level
TP_A02.30	C	Key Plan	Third Level
TP_A02.40	C	Key Plan	Fourth Level
TP_A02.50	C	Key Plan	Fifth Level
TP_A02.60	C	Key Plan	Sixth Level
TP_A02.70	C	Key Plan	Seventh Level (Mezzanine)
TP_A02.80	C	Key Plan	Eighth Level (Roof)
TP_A02.B01	C	Key Plan	Basement Level 01
TP_A02.B02	C	Key Plan	Basement Level 02
TP_A09.00	C	External Elevations	West Elevation
TP_A09.01	C	External Elevations	East Elevation
TP_A09.02	C	External Elevations	North Elevation
TP_A09.03	C	External Elevations	South Elevation
TP_A09.04	C	External Elevations	Streetscape Elevation
TP_A10.00	C	Building Sections	Section AA
TP_A10.01	C	Building Sections	Section BB
TP_A10.02	C	Building Sections	Section CC
TP_A10.03	C	Building Sections	Section DD
TP_A10.04	C	Detail Sections	Facade Sections

05-02-2020

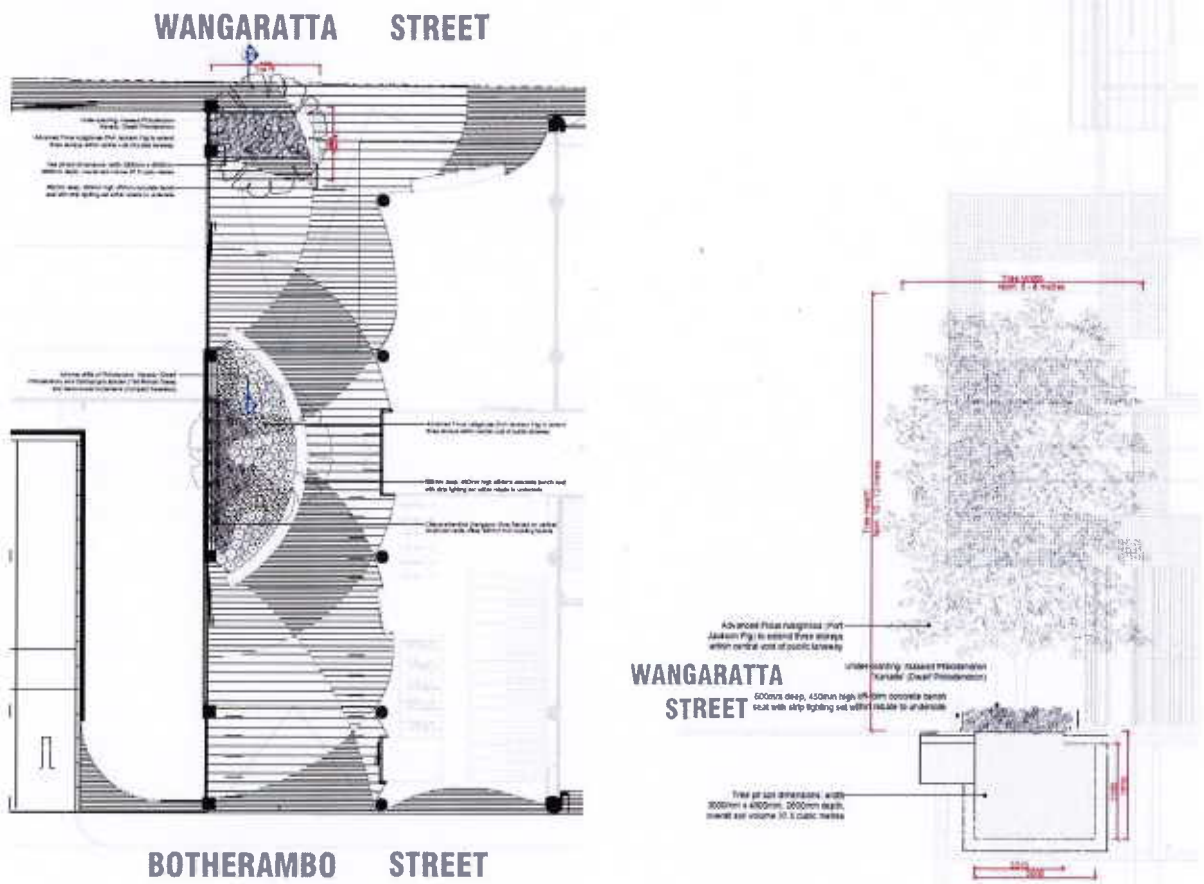


Figure 1: Public Laneway Detail Plan