

Northrop Consulting Engineers
Level 11, 345 George St
Sydney, NSW 2000

L113046_99_200_ChalmersSt

4 May 2017

Attention: D Ghashghaie

Dear Daniel,

Re: Flood Certificate for 200 Chalmers St, Surry Hills

Thank you for contacting WMAwater in regard to a flood certificate for the property located at the above referenced address. WMAwater recently completed the Blackwattle Bay Catchment Floodplain Risk Management Study and Plan (FRMS&P), within which area the property is located. The description of results supplied herein is based on detailed modelling carried out for the FRMS.

Flood Behaviour and Levels

Based on modelling results from the recently completed Blackwattle Bay FRMS, the site is impacted by overland flow on Chalmers Street and Cleveland Street, in the 1% AEP event and PMF. Figures 1 - 2 attached show the existing peak flood depth and level in the vicinity of the property for these events respectively. The flood levels in the vicinity of the property are listed in Table 1.

Table 1 Flood Levels and depths around the property

Entry Point	Label		1% AEP	PMF
Chalmers Street	A	Depth (m)	0.10	0.15
		Level (mAHD)	30.5	30.6
Chalmers Street	B	Depth (m)	1.90	2.30
		Level (mAHD)	30.2	30.4
Chalmers Street	C	Depth (m)	0.32	0.54
		Level (mAHD)	30.2	30.4
Prince Alfred Park	D	Depth (m)	0.23	0.29
		Level (mAHD)	27.0	27.1
Prince Alfred Park	E	Depth (m)	0.20	0.29
		Level (mAHD)	29.0	29.1
Cleveland Street	F	Depth (m)	0.18	0.22
		Level (mAHD)	31.1	31.2

Note that WMAwater has not assessed nor endorsed the proposed development plans, and this Flood Certificate is a provision of flood information (levels and depths) only.

Yours Sincerely,

WMAwater



Erin Askew

Director

WMAwater Pty Ltd (Formerly Webb McKeown and Associates)

DIRECTORS

M K Babister
R W Dewar
E J Askew

BE(Hons), MEngSc GradDipMgt, FIEAust
BSc(Hons), MEngSc, MAIG, MIEAust
BE(Hons), MIEAust

ASSOCIATES

R Hardwick Jones
M E Retallick

BE(Hons), MEngSc, MIEAust
BE(Hons), BSc, MIEAust

ABN 14 600 315 053

Level 2, 160 Clarence St, SYDNEY NSW 2000
Phone: 02 9299 2855 Fax: 02 9262 6208
Email: enquiry@wmawater.com.au
Website: wmawater.com.au

FIGURE 1
PEAK FLOOD DEPTH AND LEVEL CONTOURS
1% AEP EVENT

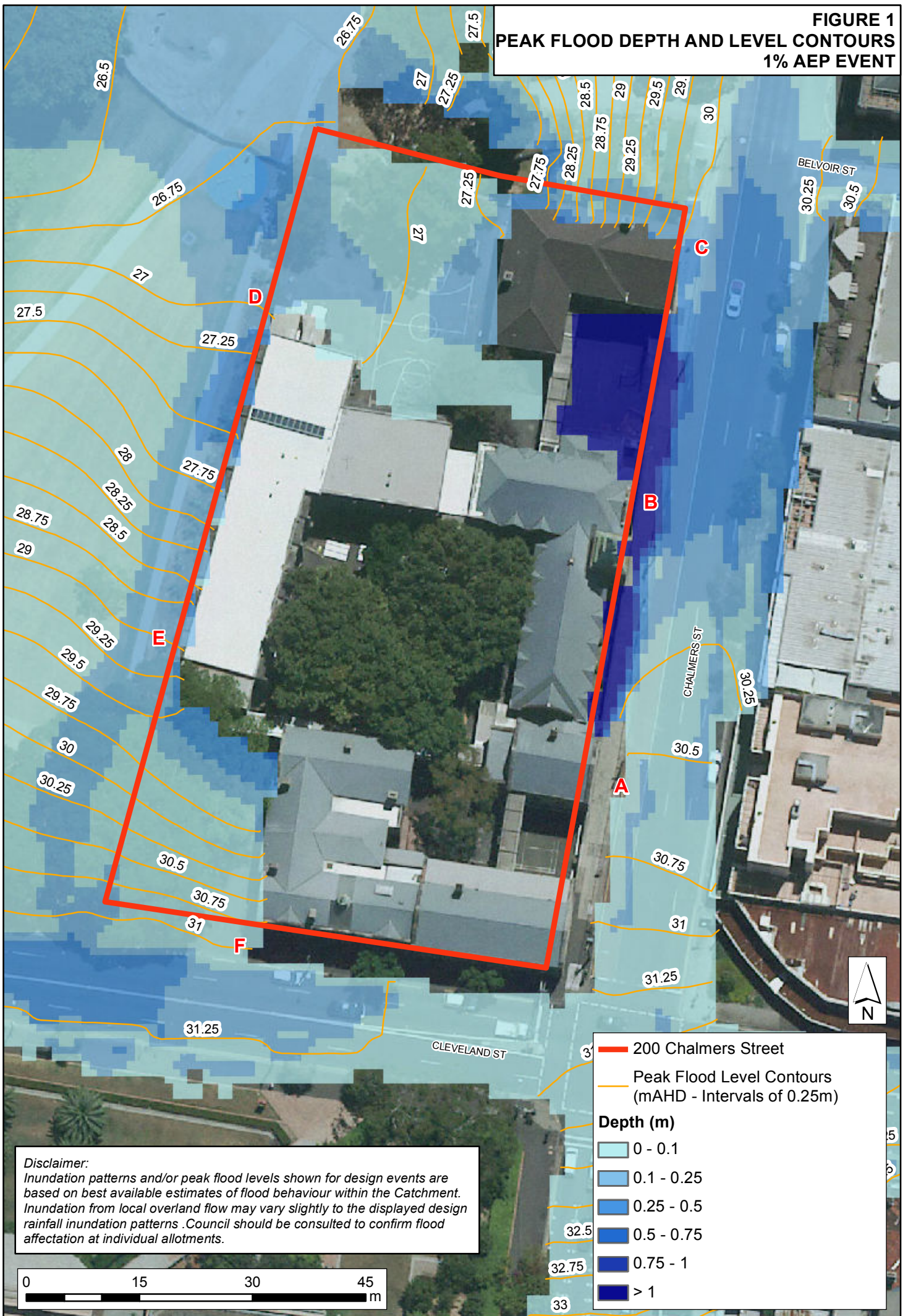


FIGURE 2
PEAK FLOOD DEPTH AND LEVEL CONTOURS
PMF EVENT

