

Appendix A. Sydney Water

Statement of Available Pressure and Flow

Mott MacDonald
Level 3, 90 Phillip St
PARRAMATTA, 2150

WMS No: 212370
Contact No: 88493531
Fax No: 88493063

Attention: Blake Matthews

Date: 21/06/2012

Pressure & Flow Application Number: 8167611
Your Pressure Inquiry Dated: Wed June 20 2012
Property Address: 164 Station St Penrith 2750

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: Station Street	Side of Street: West
Distance & Direction from Nearest Cross Street	210 metres North from Jamison Rd
Approximate Ground Level (AHD):	30 metres
Nominal Size of Water Main (DN):	150 mm

EXPECTED WATER MAIN PRESSURES AT CONNECTION POINT

Normal Supply Conditions	
Maximum Pressure	80 metre head
Minimum Pressure	54 metre head

WITH PROPERTY FIRE PREVENTION SYSTEM DEMANDS	Flow l/s	Pressure head m
Fire Hose Reel Installations (Two hose reels simultaneously)	0.66	54
Fire Hydrant / Sprinkler Installations (Pressure expected to be maintained for 95% of the time)	5	56
	10	54
	20	49
	25	46
	30	42
	40	32
Fire Installations based on peak demand (Pressure expected to be maintained with flows combined with peak demand in the water main)	5	53
	10	51
	20	46
	25	42
	30	38
	40	28
Maximum Permissible Flow	42	25

(Please refer to reverse side for Notes)



Robert Wickham
Principal Planner
Urban Growth - Asset Services

Statement of Available Pressure and Flow

Mott MacDonald
Level 3, 90 Phillip St
PARRAMATTA, 2150

WMS No: **212410**
Contact No: 88493531
Fax No: 88493063

Attention: Blake Matthews

Date: 21/06/2012

Pressure & Flow Application Number: 8167640
Your Pressure Inquiry Dated: Wed June 20 2012
Property Address: 164 Station St Penrith 2750

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: Woodriff St	Side of Street: East
Distance & Direction from Nearest Cross Street	134 metres North from Jamison Rd
Approximate Ground Level (AHD):	29 metres
Nominal Size of Water Main (DN):	100 mm

EXPECTED WATER MAIN PRESSURES AT CONNECTION POINT

Normal Supply Conditions	81 metre head
Maximum Pressure	57 metre head
Minimum Pressure	

WITH PROPERTY FIRE PREVENTION SYSTEM DEMANDS	Flow l/s	Pressure head m
Fire Hose Reel Installations (Two hose reels simultaneously)	0.66	57
Fire Hydrant / Sprinkler Installations (Pressure expected to be maintained for 95% of the time)	5	58
	10	56
	20	48
	25	42
Fire Installations based on peak demand (Pressure expected to be maintained with flows combined with peak demand in the water main)	5	55
	10	53
	20	45
	25	39
Maximum Permissible Flow	26	37

(Please refer to reverse side for Notes)



Robert Wickham
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