## P12-385 - 51 Calthorpe Street UPDATE FOR GROUNDWATER MONITORING



With reference to our report RM/CS/P12-385 Rev D (Version 2) dated 18 April 2017, we have undertaken further rounds of groundwater monitoring to confirm standing water levels below the site.

Table 6.3 (in section 6.36) in this report has been updated below to include this latest information:

Borehole	Date	Ground level (mAOD)	Water Level (mbgl)	Water Level (mAOD)	Top of Response Zone (mbgl)	Base of well (mbgl)
WS1	Dec 2015	N/A	4.82	N/A	2.0	5.0
	April 2016		4.65	N/A		
	July 2017		4.55	N/A		
	Feb 2018		4.51	N/A		
BH01	Dec 2015	18.19	7.40	10.79	10.9	12.0
	April 2016		7.36	10.83		
	July 2017		7.26	10.93		
	Feb 2018		7.25	10.94		
BH102	Dec 2015	15.39	4.56	10.83	7.0	8.0
	April 2016		4.54	10.85		
	July 2017		4.43	10.96		
	Feb 2018		4.46	10.93		
BH103	Dec 2015	18.27	7.42	10.91	12.0	20.0
	April 2016		7.41	10.86		
	July 2017		7.25	11.02		
	Feb 2018		7.27	11.00		

Table 6.3: Groundwater Monitoring – December 2015, April 2016, July 2017 and February 2018

The groundwater levels measured in each of the three deep boreholes continue to suggest broadly static conditions with consistency in elevation head, regardless of location of the individual response zones, demonstrating that negligible or little flow is taking place.

The proposed basement level will be set at 12.83m AOD, with the underside of the basement raft set at approximately 12.3m AOD. This will sit within the made ground and above the water table, which during the most recent monitoring visit was encountered at between 10.93 and 11.00m AOD.

On the basis of this updated information, the conclusions and recommendations outlined in the Basement Impact Assessment report remain unchanged.