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Consulting Civil and Geotechnical Engineers

GEO-SERV

Your ref IFS-RBS-SUB-11-0031530

Our ref SM3568INF

Innovation Property (UK) Ltd,
3 Smiths Way
Grove Park
Enderby
Leicester LE19 1SX

Issue date: 16/07/2014

following survey No: 10

Monitoring Plus Report

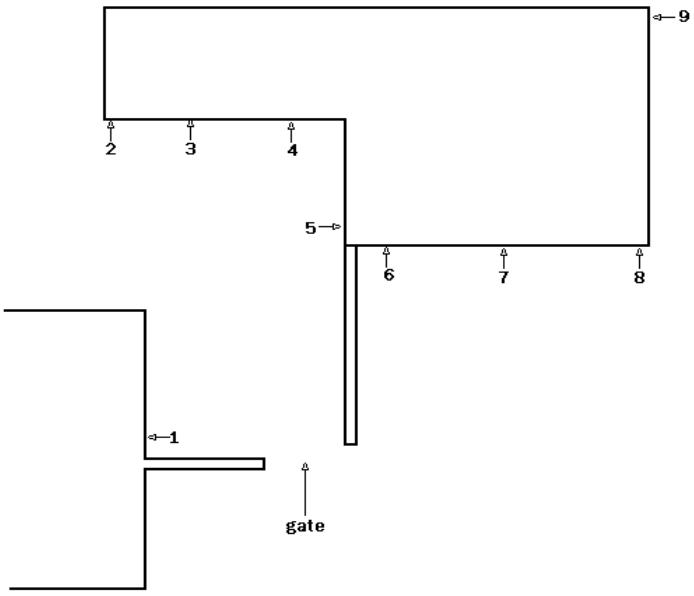
Owners name	Dr John Harban
Address	The Gables Carlton Road Carlton, Barnsley S71 3JD
Home phone	01226728876 (day) 01226728876 (eve)
Work phone	07775558931 johnharban@harban.fsnet.co.uk
Correspondence address	

Suspected cause	Root-induced shrinkage
Principal area of damage	To be advised
Damage category	To be advised
Surface geology	To be advised

Monitoring type	Levels
Installed	17/08/2012
No of visits / weeks	tbc @
Completion date	tbc
Status	

Feedback from last visit

Sketch showing location of monitoring points



Comment

Max movement 0.0

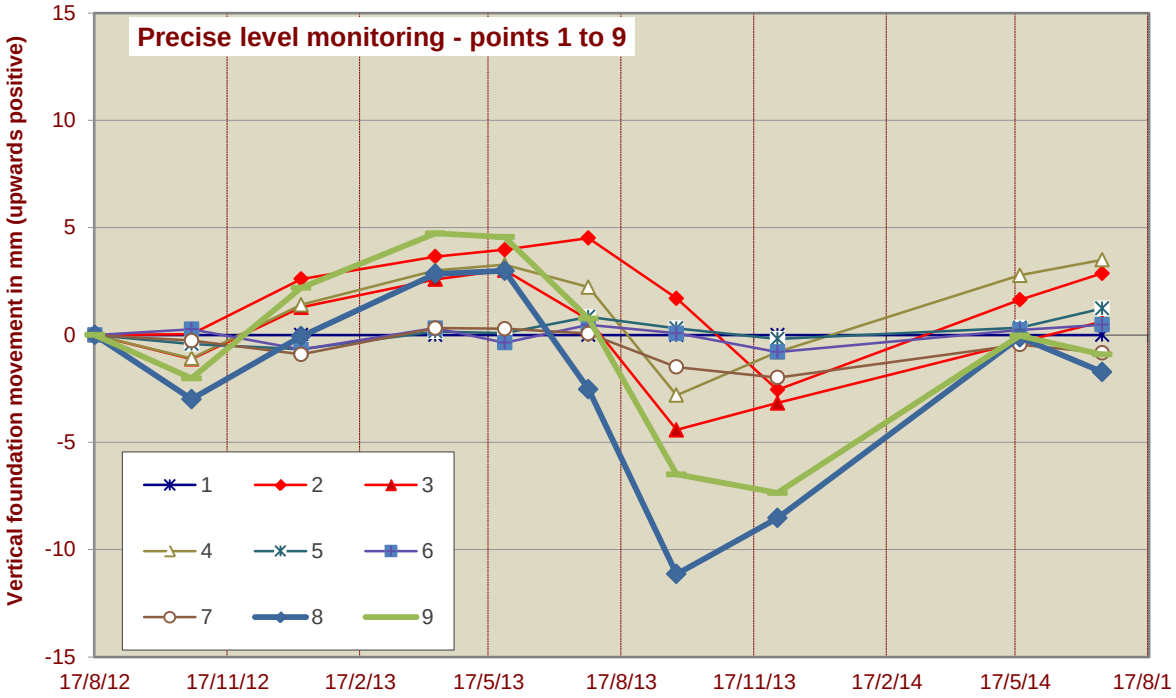
Focal area

16/07/14 - Results to date show small seasonal movements (especially Pts 8 & 9) consitent with soil shrinkage in summer and sweling in winter

Level monitoring results

Survey:	1		2		3		4		5	
By:	BL		BL		BL		BL		BL	
Date:	17/08/2012		23/10/2012		07/01/2013		10/04/2013		28/05/2013	
	levels	*chngs*	levels	*chngs*	levels	*chngs*	levels	*chngs*	levels	*chngs*
Point ID	mm	*mm*	mm	*mm*	mm	*mm*	mm	*mm*	mm	*mm*
1	1000.00	***0.0***	1000.00	***0.0***	1000.00	***0.0***	1000.00	***0.0***	1000.00	***0.0***
2	259.45	***0.0***	259.49	***0.0***	262.06	***2.6***	263.10	***3.7***	263.42	***4.0***
3	259.99	***0.0***	258.87	***-1.1***	261.28	***1.3***	262.58	***2.6***	263.01	***3.0***
4	290.38	***0.0***	289.29	***-1.1***	291.79	***1.4***	293.39	***3.0***	293.65	***3.3***
5	546.86	***0.0***	546.44	***-0.4***	546.20	***-0.7***	547.02	***0.2***	546.94	***0.1***
6	356.50	***0.0***	356.77	***0.3***	355.82	***-0.7***	356.82	***0.3***	356.14	***-0.4***
7	857.19	***0.0***	856.93	***-0.3***	856.29	***-0.9***	857.51	***0.3***	857.48	***0.3***
8	360.16	***0.0***	357.17	***-3.0***	360.10	***-0.1***	363.01	***2.9***	363.15	***3.0***
9	236.58	***0.0***	234.56	***-2.0***	238.78	***2.2***	241.31	***4.7***	241.14	***4.6***
closing error (mm)		-0.09		0.49		-0.42		-0.20		-0.50

Survey:	6		7		8		9		10	
By:	BL		BL		BL		BL		BL	
Date:	25/07/2013		24/09/2013		03/12/2013		20/05/2014		16/07/2014	
	levels	*chngs*	levels	*chngs*	levels	*chngs*	levels	*chngs*	levels	*chngs*
Point ID	mm	*mm*	mm	*mm*	mm	*mm*	mm	*mm*	mm	*mm*
1	1000.00	***0.0***	1000.00	***0.0***	1000.00	***0.0***	1000.00	***0.0***	1000.00	***0.0***
2	263.97	***4.5***	261.16	***1.7***	256.90	***-2.5***	261.09	***1.6***	262.32	***2.9***
3	260.70	***0.7***	255.57	***-4.4***	256.82	***-3.2***		***#N/A***	260.61	***0.6***
4	292.61	***2.2***	287.58	***-2.8***	289.59	***-0.8***	293.16	***2.8***	293.88	***3.5***
5	547.71	***0.8***	547.17	***0.3***	546.68	***-0.2***	547.20	***0.3***	548.10	***1.2***
6	356.97	***0.5***	356.58	***0.1***	355.71	***-0.8***	356.74	***0.2***	356.98	***0.5***
7	857.26	***0.1***	855.70	***-1.5***	855.21	***-2.0***	856.74	***-0.5***	856.36	***-0.8***
8	357.63	***-2.5***	349.02	***-11.1***	351.63	***-8.5***	360.05	***-0.1***	358.44	***-1.7***
9	237.35	***0.8***	230.09	***-6.5***	229.22	***-7.4***	236.55	***0.0***	235.67	***-0.9***
closing error (mm)		0.27		-0.03		0.05		0.35		0.01


Precise level monitoring - points 1 to 9
Vertical foundation movement in mm (upwards positive)
15
10
5
0
-5
-10
-15
17/8/12
17/11/12
17/2/13
17/5/13
17/8/13
17/11/13
17/2/14
17/5/14
17/8/1
1
2
3
4
5
6
7
8
9