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WS11 8JB

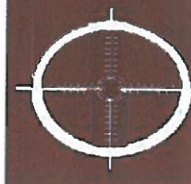
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Consulting  
Civil and  
Geotechnical  
Engineers



**GEO-SERV**

Issue date: 20/08/2013

following survey No: 8

## Monitoring Plus Report

|                                                                                                                                                               |                                                                 |                          |                        |                      |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------|------------------------|----------------------|------------|
| Owners name                                                                                                                                                   | Mr Gruchy                                                       | Suspected cause          | Root-induced shrinkage | Monitoring type      | Levels     |
| Address                                                                                                                                                       | 5 Hitherwood Close<br>Waterlooville<br>Hampshire<br><br>PO7 8SA | Principal area of damage | To be advised          | Installed            | 02/03/2012 |
| Home phone                                                                                                                                                    |                                                                 | Damage category          | To be advised          | No of visits / weeks | tbc @ 10.9 |
| Work phone                                                                                                                                                    |                                                                 | Surface geology          | To be advised          | Completion date      | tbc        |
| Correspondence address                                                                                                                                        |                                                                 | Feedback from last visit | Gate.                  |                      |            |
| Comments                                                                                                                                                      | Sketch showing location of monitoring points                    |                          |                        |                      |            |
| Max movement 5.5<br>Focal area Points 5 - 6                                                                                                                   |                                                                 |                          |                        |                      |            |
| 20/08/13 - Related to point 1 results to date indicate small seasonal movement to rear right consistent with soil swelling in winter and shrinking in summer. |                                                                 |                          |                        |                      |            |

## Level monitoring results

| Survey:  | 1<br>DH      |             | 2<br>JM      |             | 3<br>JM      |             | 4<br>AH      |             | 5<br>AH      |             |
|----------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| By:      |              |             |              |             |              |             |              |             |              |             |
| Date:    | 02/03/2012   |             | 22/05/2012   |             | 30/07/2012   |             | 26/09/2012   |             | 14/12/2012   |             |
| Point ID | levels<br>mm | chngs<br>mm | levels<br>mm | chngs<br>mm | levels<br>mm | chngs<br>mm | levels<br>mm | chngs<br>mm | levels<br>mm | chngs<br>mm |
| 1        | 1000.00      | 0.0         | 1000.00      | 0.0         | 1000.00      | 0.0         | 1000.00      | 0.0         | 1000.00      | 0.0         |
| 2        | 998.70       | 0.0         | 998.72       | 0.0         | 999.02       | 0.3         | 998.80       | 0.1         | 998.80       | 0.1         |
| 3        | 1000.83      | 0.0         | 1000.98      | 0.2         | 1001.34      | 0.5         | 1000.90      | 0.1         | 1000.82      | 0.0         |
| 4        | 1007.56      | 0.0         | 1008.54      | 1.0         | 1009.35      | 1.8         | 1007.52      | 0.0         | 1008.72      | 1.2         |
| 5        | 1008.25      | 0.0         | 1008.84      | 0.6         | 1009.99      | 1.7         | 1008.00      | -0.3        | 1011.22      | 3.0         |
| 6        | 1016.46      | 0.0         | 1018.21      | 1.8         | 1019.31      | 2.8         | 1016.91      | 0.5         | 1018.74      | 2.3         |

closing error (mm)

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| Survey:  | 6<br>AH      |             | 7<br>AH      |             | 8<br>AH      |             | 9            |             | 10           |             |
|----------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| By:      |              |             |              |             |              |             |              |             |              |             |
| Date:    | 01/03/2013   |             | 28/05/2013   |             | 20/08/2013   |             |              |             |              |             |
| Point ID | levels<br>mm | chngs<br>mm | levels<br>mm | chngs<br>mm | levels<br>mm | chngs<br>mm | levels<br>mm | chngs<br>mm | levels<br>mm | chngs<br>mm |
| 1        | 1000.00      | 0.0         | 1000.00      | 0.0         | 1000.00      | 0.0         |              |             |              |             |
| 2        | 998.39       | -0.3        | 999.19       | 0.5         | 999.13       | 0.4         |              |             |              |             |
| 3        | 1001.20      | 0.4         | 1001.70      | 0.9         | 1002.01      | 1.2         |              |             |              |             |
| 4        | 1009.70      | 2.1         | 1009.98      | 2.4         | 1008.02      | 0.5         |              |             |              |             |
| 5        | 1012.41      | 4.2         | 1013.49      | 5.2         | 1008.83      | 0.6         |              |             |              |             |
| 6        | 1020.19      | 3.7         | 1021.20      | 4.7         | 1018.44      | 2.0         |              |             |              |             |

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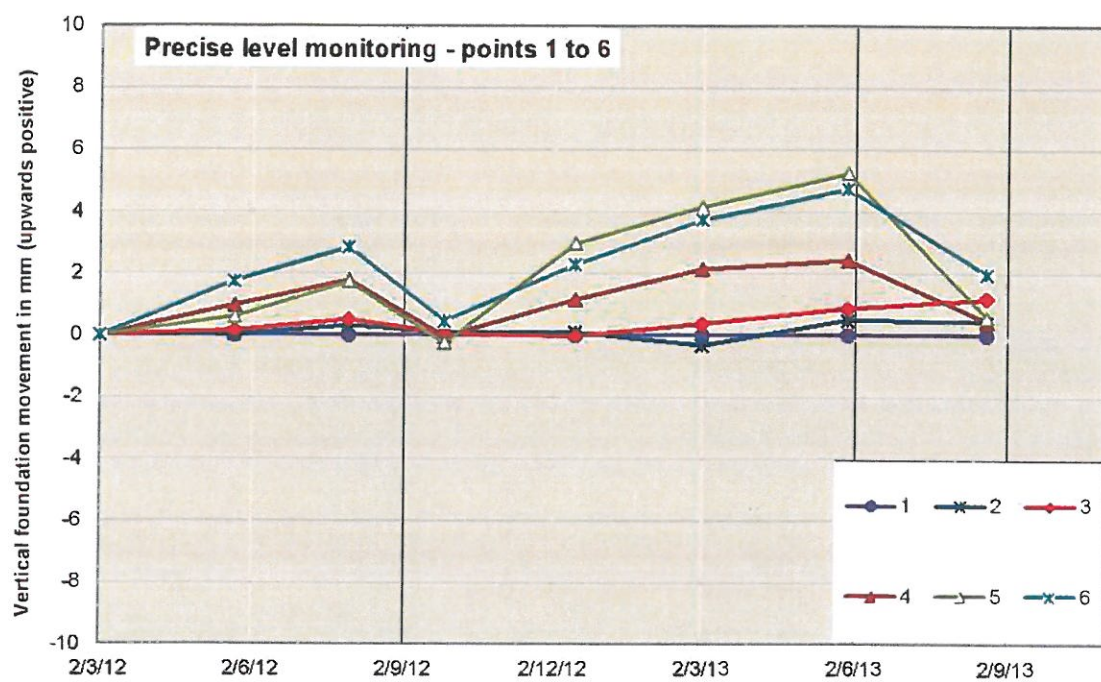
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Date 20/08/2013

Comment

