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**Faxed Date:**
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# FACSIMILE TRANSMISSION

To : Maurice Hartnett — Date : 15th June 2012

Of : MJH Developments — Page : 1 of 1

Fax No. 01903 731 554

From : Graham Carter

SUBJECT **Overview of Ground Conditions – Roxburgh Close, Worthing**

Our Ref : **11.6775 Rev 1**

Maurice

I write further to our recent conversation in respect of the ground conditions encountered at the above named site.

Ground investigation works were completed at Roxburgh Close in September 2011 and comprised the sinking of three window sample boreholes to a maximum depth of 2.8mbgl. The soils encountered may be summarised as follows:

Topsoil / Made Ground – The exploratory hole locations were found to have a surficial veneer of silty and sandy clay with abundant rootlets. Occasional coarse sand sized brick rubble was encountered in this stratum. This material was encountered to a depth of 0.3mbgl in each explored location.

Sandy and Gravelly Clay/Silt – The surface deposits were found to be underlain by a sandy CLAY/SILT to a maximum depth of 1.7mbgl, below which depth this material was noted to merge into a sandy gravelly CLAY / very clayey sandy GRAVEL which was proven to a maximum depth of 2.1mbgl. This material is considered to be representative of brickearth.

Structureless Chalk – The base of WS1 and WS3 encountered a buff sandy gravel of rinded flint. This material is considered to be representative of naturally reworked material of the Tarrant Chalk Member.

The above ground conditions were found to be uniform in their succession, disparities in the depth of stratum boundaries were consistent to within 300mm. As such the stratigraphy is considered to be generally consistent across the site area.

Falling Head permeability testing was completed within WS2 at the maximum borehole depth and recorded a coefficient of permeability of $1.6 \times 10^{-5}$. As stated in our report this is considered to represent a 'Good' rate and therefore is encouraging in the potential for traditional soakaways to be used on this site.

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I trust the above is sufficient for your needs, should you require any further assistance, please do not hesitate to contact me.

Kind Regards

Graham Carter BSc FGS
**Engineering Geologist**

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