



Date: 29th March 2019

Our Ref: 19.1088

Counterpoint Properties,
34 The Drive,
Bognor Regis,
West Sussex,
PO21 4DU

Dear Mr. Burrows

RE: Soakaway Testing and Soil Infiltration Rates at 34-44 Carlton Avenue

Introduction

I write further to the completion of soakaway and soil infiltration testing carried out at 34-44 Carlton Avenue, Bognor Regis, West Sussex, PO21 3LR (hereafter referred to as the “site”), as instructed by Counterpoint Properties (the Client) (EQ13383). This letter report provides copies of the test data and observations made during works.

The site is situated to the east of Carlton Avenue and comprises of five private gardens (the residential dwellings that the gardens belong to are adjacent west of the site), these are mostly grassed with some small areas of planted borders and garden sheds. Proposals include the construction of 8no. semi-detached properties with private gardens and roadway branching off of Carlton Avenue.

Constructive Evaluation Ltd (CE) have previously completed a Phase 1 Environmental Risk Assessment (ref: 18.9887, dated May 2018) and a Phase 2 Site Investigation Report (ref: 18.9887, dated May 2018) in relation to this site, which should be read in conjunction with this document.

Scope

The works were undertaken in respect of the scope outlined by yourself, as per the requirements of Arun District Council. The purpose of this investigation was to calculate infiltration rate values at depths of approximately 0.50-0.60mbgl (metres below ground level), in order to ascertain drainage characteristics of the underlying soils for soakaway design. Test design depths were predetermined upon review of maximum recorded winter groundwater level, and inspection of BRE365 Guidance.

Fieldworks

The following site works were completed over a single day operation on 28th March 2019, supervised by a Geo-Environmental Scientist from CE. The investigation was undertaken in relation to statutory guidance BS5930: 1999 *Code of Practice for Site Investigations (Amendment 3: 2015)*, and in accordance with BRE365; approved methods by ADC. A site plan with indicative locations of the tests is enclosed.

- ARUN DISTRICT COUNCIL AW/228/21

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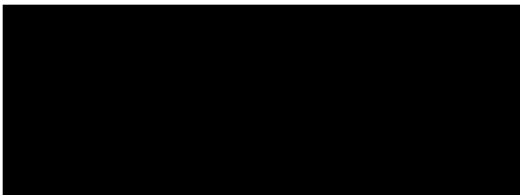
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The soil infiltration results calculated from tests in SA1 indicate an initial rate of 8.80×10^{-6} , decreasing to a rate of 7.03×10^{-6} in a second test where soils were saturated. This indicates a Good to Poor infiltration rate, and a slight decrease in rate with increase in soil saturation.

Testing in SA2 indicated initial rates of 8.43×10^{-5} . During subsequent second and third tests (saturated conditions), rates of 6.73×10^{-5} and 3.45×10^{-5} are calculated, indicating a consistently Good drainage rate becoming slightly poorer with increased saturation. The single test in SA3 recorded Good infiltration rates of 1.07×10^{-5} .

I trust the above information is sufficient for your requirements in this matter, should you have any queries please do not hesitate to contact the undersigned.

Kind regards,



Spencer Robinson BSc
Graduate Geo-Environmental Scientist

Constructive Evaluation Limited

Enclosed: Site Plan
 Test Results
 Stratigraphic Logs