



Consulting Engineers  
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HU/LC

9 October 2014

Mr Matt Callaghan  
Senior Contracts Manager  
J P Dunne Construction  
48 The Green  
Twickenham  
Middlesex TW2 5AB

Dear Matt

**Cartwright Gardens – Planning Condition 10 - discharge**

I have reviewed the information you have sent through on Cartwright Gardens to discharge the planning conditions.

This included:  
Cundell GI report Ref 1004327 ref B  
Borehole logs  
Camden letter Ref 2014/3531/P

In summary:

**Gas**

Borehole testing has revealed no methane generation and Oxygen levels remained unaltered during the test sample window.

No gassing is occurring on the site

**Contamination**

Extensive sampling has been undertaken and is presented in the main Cundall Ground Investigation, Geotechnical and Geoenvironmental Assessment in Tables 6 and 7.

Only very slightly elevated levels of PAH and Benzo(a)pyrene were detected hardly above detection limits, and 1 sample revealed slightly elevated TPH.

All this material will be removed during the basement excavation and I am satisfied the site is clean and there are no requirements for any form of remediation.



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**Sulphate**

The only point of note is the elevated Sulphate levels in the London clay, to ACEC class AC-3s and design class DS4. So the basement slab should be cast with concrete with majority of results in excess of 1.2% BRE (2005).

In conclusion I agree that the work undertaken in due order discharges condition 10 of the planning process.

I trust this is helpful and if I can be of any further help on this please do not hesitate to contact me.

Kind Regards



Dr Hugh Unsworth  
PhD BEng (Hons)  
Associate Director Geotechnics