

Our Ref: P07535B



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25th May 2016
BY E-MAIL

Dear John,

Proposed New Sports Facility, St Leonards School, St Andrews - Ground investigation proposal

Thank you for the opportunity to submit a proposal to undertake ground investigation for the proposed new sports facility at St Leonards School, St Andrews.

Background

We understand that a new sports facility will be constructed next to the existing swimming pool. Following on from our phase I desk study, potential geotechnical and limited geo-environmental constraints have been identified that may require further consideration.

Potential geotechnical constraints which may affect the proposed development include made ground soils and a potential for running sands. A low to moderate potential for ground gas generation has also been identified which we would seek to clarify as part of the phase II investigation.

Proposed scope of works

Based on the findings of the phase I desk study, we would recommend the following scope of geotechnical and geo-environmental investigation works, aimed at providing information for detailed foundation design and contaminated land/ environmental risk assessment to support building warrant and planning procedures.

Phase II ground investigation

Based on the phase I desk study, we recommend the following outline scope of intrusive investigation works.

- The construction of up to three shell and auger percussion boreholes within the area of the proposed building footprint, extending to approximately 8m depth below ground level (bgl), subject to ground conditions;
- Construction of two gas/ groundwater monitoring standpipes within the boreholes, along with six gas/ groundwater monitoring visits, carried out at weekly intervals;
- Excavation of three hand dug trial pits to the base of the existing swimming pool foundations or a maximum depth of 1.2mbgl, in order to assess the depth and nature of the foundations within the existing structures;
- Excavation of up to five machine dug trial pits, including a single soakaway test (if required);
- Submission of selected samples for laboratory based geotechnical and limited chemical testing to determine the engineering parameters and contamination status of the near surface soil and if relevant, groundwater.

Representative soil samples will be recovered, with engineering descriptions also being provided for each exploratory hole. In addition, in-situ geotechnical testing of soils will be carried out within boreholes to allow a strength profile to be developed.

Selected soil samples shall be submitted for geo-chemical analysis to allow provision of concrete classification recommendations based on the ground conditions present.

The investigation will be supervised by a qualified geotechnical and geo-environmental specialist, who will log the exploratory holes to BS5930:1999 standard, undertake appropriate in situ testing, take samples and schedule contamination laboratory testing.

Interpretative reporting

Upon completion of the works outlined above a phase I/II geotechnical and geo-environmental report will be compiled. Geotechnical recommendations relating to the site preparation works and construction works will be provided. In addition, the interpretative report will comprise an environmental risk assessment based on the proposed development and where necessary recommendations will be provided to appropriately mitigate and/or remediate the environmental risks identified.

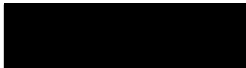
Budget costs

Costs for conducting the phase II geotechnical and geo-environmental intrusive investigation works are outlined below. All costs are exclusive of VAT.

Item	Contractors' cost (£)	Professional fees (£)

We hope that you find this proposal acceptable and that we have interpreted your needs correctly. However, should you have any comments or queries regarding this proposal, please do not hesitate to contact me.

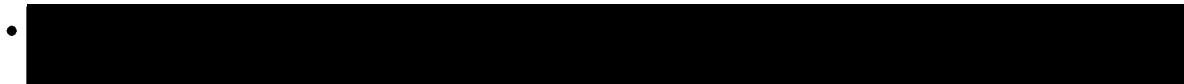
Yours sincerely



Ross Kirk
Geovia Ltd

Notes:

- Geovia Ltd assumes that unrestricted site access will be available to all areas of the site in preparation of this proposal.
- Our consultancy work is subject to our standard terms and conditions and payment of our fee invoice is strictly 30 days from presentation. A written instruction to proceed from the party responsible for settling all invoices would be required prior to commencement of the work.
- It would be our intention to invoice for the drilling and testing after the cessation of fieldworks with the remaining fee due on completion of the reporting.
- Although we are confident that the above scope is suitable for the site, it should be noted that the findings of the desk study may require alteration to the scope of works. This will be reviewed once the desk study searches are completed.



- Our quotation is exclusive of any allowance for Value Added Tax (VAT). VAT will be added to our invoice at the current rate.
- Unless otherwise stated, our quotation will remain open for a period of 90 days from the date thereof. If we are not permitted to start our work within this period, we reserve the right to renegotiate rates.
- In the event of our quotation being accepted, the client warrants and undertakes that he has obtained all the necessary certificates, licences, permits and consents required by Statute or any order or regulation made thereunder or by any regulation or by-law of any authority or statutory undertaker.
- We have made no allowance for payment of any wayleave or for reinstatement of or compensation for unavoidable damage. Any additional costs incurred by us due to additional works arising under this clause will be added to the cost of the work.
- Except where specifically covered in our quotation, no allowance has been made for the provision of any traffic control, watching, lighting, or protection of the works. In the event that these prove necessary, an appropriate charge will be made and added to the cost of the work.
- We have made no allowance for overtime such as night or weekend working and should the client require such overtime to be worked, we would charge for any additional costs involved.
- We shall not be held responsible for any damage or the consequences of any damage to buried services such as cables, pipes, sewers etc., the positions and nature of which are not clearly indicated to us in writing prior to the commencement of the work.
- We shall not be held responsible for any loss, damage or injury arising from actions or omission of the client, his agents, servants and independent contractors. The client will indemnify us and keep us indemnified against all claims, costs, damages and expenses arising from such acts or omissions.
- We shall not be held responsible for any loss, damage or injury arising as a consequence of carrying out the work required by the client or his agents, and the client will indemnify us and keep us indemnified against all claims, costs, damages and expenses arising from such loss, damage or injury.