





Appendix B – Scoping



Project Name: Kidderpore Avenue Pre-Planning,

Date: 26th January 2015

SPECIFICATION FOR INTRUSIVE SITE INVESTIGATION - Rev A

Client: Mount Anvil

Site Address: Kings College London Hampstead Residence

Kidderpore Avenue

London NW3 7ST

1.0 Scope of Works

The work is to comprise geotechnical and contamination investigations on site including the sinking of boreholes, window samples and trial pits. These are summarised on the Site Investigation Brief at the end of this specification and drawing number 11316/01B. Any requirements for soakage tests are noted in the Site Investigation Brief. Samples of the strata penetrated are to be taken and tested and an interpretative geological and engineering report is to be prepared setting out these parameters to allow a foundation and retaining wall design to be developed. The report is to advise on the contamination potential of the site and include recommendations for further testing or remediation strategy if necessary. The report is to include the results of all the tests ordered and is to be submitted in an electronic ('pdf') version, together with one hard copy.

2.0 Desk Study

Soiltechnics Environmental and Geotechnical Consultants have undertaken a Desk Study of the development site at Kidderpore Avenue; report reference:'R-STK2813D-P01', and dated: July 2014. This report should be referred to in relation to pricing the intrusive works and geotechnical and chemical testing required.

3.0 Information and Geotechnical Testing

The following information and tests will be required:

- i) The exact position of the borehole(s) and trial pits related to local features in order that their positions and level above datum may be accurately recorded. It is essential that the level of each of the boreholes is recorded such that the ground water levels can be interpolated across the site.
- ii) The relative ordnance datum level of the ground adjacent to the boreholes and trial pits.
- iii) The nature, depths and thickness of the strata penetrated.
- iv) Mechanical analysis by sieving and standard penetration tests in granular strata.
- v) Liquid and plastic limits, triaxial compression and consolidation tests in cohesive soils.
- vi) Sulphate analysis and ph value of soil and water.
- vii) The level of the water table where applicable. This is to include the level at which it is found and the standing level after a period of at least thirty minutes. Standpipes are to be installed in all of

ADDRESS TEL FAX EMAIL



the boreholes such that the water levels can be monitored over a period of time. Contractor is to provide extra over rate per visit to record water levels. Frequency of visits to be confirmed at a later stage.

viii) Rising head permeability tests within 5 No. wells.

The Site Investigation Contractor is to carry out sufficient sampling and testing in order to advise on the appropriate Design Sulphate Class and Aggressive Chemical Environment for Concrete Class so that suitable concrete mixes can be specified for use in the ground on this site.

Further to this the Site Investigation Contractor is to carry of sufficient sampling and testing in order to advise on parameters for the design of a piled retaining wall for a double storey basement and for the design of the lowest 'ground' level basement slab.

The information obtained from the sampling and testing will also be used to inform a Basement Impact Assessment and Ground Movement Analysis to determine the impact of the new basements on the existing Thames Water reservoir and existing buildings.

4.0 Contamination Appraisal and Testing

The Site Investigation Contractor shall carry out a contamination desk study and appraisal of the site. He shall provide details with his tender of the sampling, testing and gas monitoring proposed in order to advise on the nature, extent and level of ground contamination on the site.

5.0 Existing Services and other buried obstructions

Where statutory services responses have been received by the Engineer showing the approximate routes of services in the ground, they will be provided with the site investigation tender package. The Site Investigation Contractor is to make all necessary enquiries and satisfy himself as to the location and extent of all buried services prior to commencing investigations. The responsibility for avoiding buried services and other obstructions remains solely with the Site Investigation Contractor.

6.0 Method of Working

Comply at all times with the requirements of the Health and Safety at Work Act 1974, including Health and Safety Executive approved Codes of Practice and Guidance Notes. The site investigation is to be carried out by suitably qualified and experienced persons in accordance with the relevant Codes of Practice.

Working hours are to be agreed with the Client.

Where appropriate, Heras fencing and other protective measures are to be provided to prevent access to the works by unauthorised persons and members of the public.

Prepare method statements and risk assessments and submit for approval prior to the commencement of works.

The Site Investigation Contractor is to ensure the stability of all excavations and adjoining buildings is maintained at all times. He shall design, install and maintain all necessary temporary works and programme the works accordingly. Where personnel access to trial pits is necessary, excavations must be adequately shored to maintain stability and safety.

All investigations are to be backfilled and finishes reinstated to match existing or as otherwise instructed by the Engineer and Client. On completion, the site is to be left tidy and all materials, tools and equipment are to be removed.



7.0 Tender – Price and Programme

The Site Investigation Contractor is to submit a lump sum tender price for undertaking the whole of the work described above and in the Site Investigation Brief. Additionally where noted the price for the site investigation should be broken down into separate items. A schedule of rates for laboratory tests is to be submitted with the tender and cost budgets are to be submitted for geotechnical and contamination testing. The Contractor should state when the work could begin and the time required for the completion of the field work, laboratory testing and the submission of the report.

8.0 Insurance

The Site Investigation Contractor shall be adequately insured and is to advise details of their insurance. Any damage to the existing property and/or its services shall be repaired at the Contractor's cost.



Site Investigation Brief

Project: Kidderpore Avenue Pre-Planning, Job Number: 11316 Engineer: TP

Ol' 1	NI NA (A 'I								
Client	Name: Mount Anvil								
Site Address:	Kings College London Hampstead Residence Kidderpore Avenue London NW3 7ST								
Data supplied									
Plan of Site	✓								
Proposed Site Layout	√ ·								
Development Proposed	✓								
Construction	Methods: Refurb – Ma New Build – Varies: M Frame/RC Frame. Up inclusive of 2 storey b	lasonry/Timber to 7 Stories	Loadings:	ndings: TBC					
Landscaping Known	,								
Details of Public Utilities Known	(1) Within Site	Subscan electro	letection ha	s been undertaken					
	(2) Adjacent to Site	✓							
	(3) Liaise with Client	✓							
Preliminary Investigation Required	(1) Desk Study	Refer to Soiltechnics report ref: R-STK2813D-P01'and dated: July 2014							
	(2) Maps Search	Refer to Soiltechnics report ref: R-STK2813D-P01'and dated: July 2014							
	(3) Data Base Search	Refer to Soiltechnics report ref: R-STK2813D-P01'and dated: July 2014							
	(4) Historical Search		ef: R-STK2813D-P01'and						
Field Investigation/Tests Required	See attached sketch li								
Trial Pits	Refer to 11316/01B			-					
Window Samples	Refer to 11316/01B			These are suggested					
Boreholes	Refer to 11316/01B		Thes						
BRE365 Soakage	Only if considered appropriate			requirements only. Final assessment of required					
CBRs	Around locations of Bl	H07 & BH09	inves spec	investigation to be by soil specialist as necessary to prepare their accurate report.					
Gas Monitoring	If considered appropri study.	ate following desk	prepa						
Contamination	✓			-					
Ground water monitoring	Standpipes to be insta Contractor to provide site to record ground	rate for returning to							



Other	Rising head permeability tests within 5No. wells.								
Known Characteristics which may affect soil investigation									
Reporting	(1) Full				✓	(4) Road	oad Design ✓		
	(2) Assessment					(5) Soaka	(5) Soakaway Design TBC		
	(3) Letter Report (interim)								
Monitoring Period Required	(1) Piezometers				✓	(2) Gas N	(2) Gas Monitoring ✓		
Required Programme	Site	Date	TBC	Interim		Feb/Mar	Final	March 2015	
	Works	ASAP	✓	Report		2015	Report		
To be read in conjunction with Tully De'Ath Soil Investigation Specification	Signed:					Date:			

NB This brief does not form a contract, the instruction is on behalf of the Client and employment will be directly with the Client as above

List of Sketches for Reference

11316/01B - Site Investigation Scope of Works





Appendix C – Site Investigation and Study

Content to be submitted with revised report on the 13th July following completion of site investigation and ground water monitoring works.



Appendix D – Impact Assessment

Content to be submitted with revised report on the 13th July following completion of site investigation and ground water monitoring works.

Feasibility Research

EIA, Flood Risk & **Transportation** Assessment

Urban Planning and **Design**

Integrated Transport Solutions

Infrastructure
Development

Structural Design

Eco and MMC Focused

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