



ROGER BULLIVANT

ESTIMATE

SUBMITTED SUBJECT TO TERMS
AND CONDITIONS PRINTED OVERLEAF

16th November 2015

Our Ref. EM.15.5319

**Aecom Ltd
Billingham Reach Industrial Estate
Haverton Hill Road
Billingham
TS23 1PX**

For the attention of Mr Bob Richards

Dear Sir,

Re. Plot 2 – Cleadon Old School
Top Driven Mini Piling and RC Foundation Works

Further to your recent enquiry we have pleasure in submitting our estimate for the design and construction of mini pile and RC ground beam works at the above site, for the sum of **£19,070.00** nett and excluding VAT

The basis of our estimate is as detailed below and in the attached Bill of Quantities and Appendices and is offered on the terms and conditions overleaf and is subject to the provision of defined attendances. Our schedule of attendances which includes the FPS Schedule of Attendances (as amended by Roger Bullivant Limited) is attached.

As no SI was available past 2m depth from a previous enquiry we have based our estimate upon an assumed depth of 6m, however all piles will be driven to a pre-determined set corresponding to the driven SWL of the pile.

Due to health and safety reasons we will require a firm, level platform to install the piles and then excavation carried out by others in trench formation to allow installation of the ground beams without the necessity of installation of shuttering.

Specific attendances we require are listed below:-

1. Setting Out
2. Location of services / diversion (if required).
3. Provision of a firm level dry working platform.
4. Shared welfare facilities
5. Excavation in trench formation to exact size of ground beam

We trust this estimate is of interest; should this be the case, there are certain technical and contractual issues that we require to discuss and agree before entering into any contract for the Sub-Contract Works.

Should you have any queries regarding our proposals, please do not hesitate to contact the undersigned quoting our reference number at the top of the page.

Yours faithfully
for and on behalf of
Roger Bullivant Limited

**Paul Manning
Area Manager**

BILL OF QUANTITIES
DRIVEN PRE-CAST PILES / RC GROUND BEAMS

Item	Description	Qty	Unit	Rate	Amount
1	Establish piling plant for main piling operations and remove upon completion (single visit to site).	1	Visit	£1,250.00	£1,250.00
2	Set up at each pile location.	33		£15.00	£495.00
3	Supply and drive piles 175mm square pre-cast driven piles for any length up to and including 6m.	33	No.	£165.00	£5,445.00
4	Extra for pile length supplied greater than 6m.		Lm	£30.00	Rate Only
5	Design and Construct RC ground beams	108	Lm	£110.00	£11,880.00
6	Mobilise drill to site		Item	£500.00	Rate Only
7	Pre drill at each pile position		M	£30.00	Rate Only
8	Dynamic load testing (optional). Proof load test 3 No. working piles in a single visit during main piling operation		Sum	£1,500.00	Rate Only
9	Static Load Testing (Working Pile Test) Establish test equipment and carry out proof load test on a vertical pile during main piling operations as piling proceeds, generally in accordance with "ICE Model Procedures"		Sum	£5,000.00	Rate Only
10	Standing time for piling rig, associated plant and labour whilst overcoming obstructions or due to circumstances beyond our control. This item is intended to cover short duration standing only. Should excessive delays and continuous standing of our rig occur we reserve the right to temporarily remove the rig from site and remobilisation charges will apply		Rig /Hour	£150.00	Rate Only
ESTIMATE TOTAL (Nett)					£19,070.00

Measurement for the supply and installation of Driven Cased Piles is from toe to top of pile as pitched, or ground level which ever is greater.

APPENDICES (Sheet 1 of 2)

A. LIST OF CONTROL DOCUMENTS

- | | | |
|-----|---------------------|---|
| A.1 | LETTER OF ENQUIRY | Enquiry e-mail dated 5 th November 2015 excluding any terms and conditions |
| A.2 | DRAWING NUMBERS | N/A |
| A.3 | SOIL CONDITIONS | As per Trial Pits 1 + 2 received from previous client |
| A.4 | CONTRACT CONDITIONS | RBL Terms and Conditions printed on the reverse of the first page of this Estimate. |

B. OTHER MATTERS SPECIFIC TO THIS ESTIMATE

- B.1 This Estimate is based on a normal five day week, working up to ten hour shifts without restriction or interruption and in a logical sequence. On this basis we estimate that the duration of the Sub-Contract Works will be between 2-3 working weeks, excluding provisional items, holidays and pile testing of all types.
- B.2 Unless otherwise agreed in the covering letter, It is the Employer's responsibility to notify us of the exact number, loading and configuration of the piles and to notify us of any incidental loading conditions including but not limited to Negative Skin Friction, Cropping and Ground Heave Tension. Any such information provided to us by a consulting engineering practice (other than one instructed by RBL) shall be deemed to be provided by that consulting engineering practice as agent for the Employer.
- B.3 Accordingly, we shall only be responsible for designing piles, using reasonable skill and care, to carry loads as indicated in the attached Bill of Quantities.
- B.4 The approximate current notice to start work is 2-3 weeks dependant on the availability of plant at the time we conclude any contract with you.
- B.5 Noise, vibration and nuisance will be kept to the level associated with the normal use of our plant.
- B.6 Where any term of this contract seeks to limit or adversely affect a consumer's statutory rights then that term shall not apply.

APPENDICES (Sheet 2 of 2)

Sections range from 150mm to 200mm, section lengths between 1000mm and 2000mm.

Subsequent pile sections connected by spigot and socket.

The Employer shall indemnify Roger Bullivant Ltd against the cost of any claim or liability for pollution or contamination howsoever caused arising out of our design or construction of the works.

C.2 Specification

Plot 13

No. of Piles	33 No.
Size of Piles	175mm ² Pre-cast
Maximum working load	200kN (max)
Piling platform level (PPL)	TBA
Design Factor of Safety	x2

N.B. Pile numbers subject to confirmation following receipt of construction drawings.

C.3 Testing

Dynamic Load Testing

As well as traditional methods of testing, we offer dynamic testing of piles using the Pile Driving Analyser operated by our own personnel who are experienced in pile design. This widely used and accepted technique offers an economical and rapid method of pile testing to satisfy any statutory or specified requirements.

Static Load Testing

Where testing is included in the Bill of Quantities we have only allowed for testing vertical piles. Working piles to be tested should be selected clear of obstructions sufficiently early in the contract to enable testing to be carried out and completed during the course of the main piling works.

Test Results

Any works undertaken prior to the test results being issued by the Company, shall be at the Main Contractors risk.

SCHEDULE OF ATTENDANCES

The following attendances and facilities shall be provided and maintained at all times (including additional working hours if necessary) for the duration of and in relation to our works, free of charge to us and in a manner so as not to disrupt or restrict the regular progress of our works.

1-6) THE ATTACHED FPS SCHEDULE – February 2003

Sections 1 – 6 of the attached FPS Schedule remain unchanged requirements for the contract unless otherwise stated in writing.

Section 7 of the schedule to have the addendum.

We require a 2 meter wide working surface outside the footprint of the building, wherever physically possible.

Sections 8 – 28 of the attached FPS schedule, remain unchanged requirements unless otherwise stated in writing.

29) Permit to Dig

No site works shall be undertaken by the Company or its approved Sub-Contractors without a satisfactory, completed and signed Permit to Dig, from the Main Contractor or Employer, which addresses the presence of underground services and hazards within the site.

30) Work to Existing Buildings

- a) Access for Plant and Materials. Protection to existing roads, footpaths and landscaped area etc, is the responsibility of the Employer or Main Contractor.
- b) Works inside existing premises. Protection to floors, walls and ceilings is the responsibility of the Employer or Main Contractor.

31) Working Platform

It is our intention to comply with the FPS initiative on working platforms and we would require a signed copy of the Working Platform Certificate (enclosed with this tender) prior to commencing any works on site.

FEDERATION OF PILING SPECIALISTS

COMPANY NAME: Roger Bullivant Limited

CONTRACT NAME: Cleadon Old School

TENDER REF: EM.15.5319



SCHEDULE OF ATTENDANCES AND FACILITIES TO BE PROVIDED BY THE CLIENT TO A PILING OR DIAPHRAGM WALLING SPECIALIST

For the purposes of this document the following definitions shall apply:

Specialist	-	Piling/Diaphragm Walling Specialist
Client	-	Person directly employing the Specialist

The following attendances and facilities shall be provided and maintained at all times (including additional working hours if necessary) for the duration of and in relation to the specialist works, free of charge to the specialist and in a manner so as not to disrupt or restrict the regular progress of the specialist works.

1. **Notices.** Giving all notices and obtaining all necessary approvals, licences and sanctions, including but not limited to any wayleaves, easements, possessions, rights of way or access.
2. **Rates and Fees.** Payment of any rates or fees which may become payable due to occupation of the specialist works.
2. **Protection.** Protection of the works where taken over by other traders or contractors or where the specialist has left site.
4. **Watching.** Provision of security to safeguard the plant, equipment, materials on the site and the specialist works.
5. **Fencing, Hoardings, etc.** Hoardings, fences, noise and splash barriers, statutory warnings, flagmen or the like as necessary to protect the works, plant, materials, personnel, third party property, and the general public. This shall include protection from exhaust, dust, oil, grease, etc.
6. **Clearance.** The provision of adequate clearance around working positions for the specialist's operations including protection to adjacent works and third party property.
7. **Access and Working Surfaces.** Full and free access onto the site(s) from hard road to firm level dry all-weather working surfaces including ramps, with working space including staging/protective mats, all designed and maintained in a manner suitable for the safe erection, operation and movement on, off and around the site(s) and to and between working areas, storage areas, pile/panel position and testpiles/panels of plant and equipment and wheeled transport including articulated and ready mixed concrete lorries. Ramps including access ramps to ready mix storage areas, where required, to a gradient not steeper than 1 in 10. Protective mats and all other equipment and measures necessary to minimise the risk of damage to third party property, including road surfaces, kerbs and surfaces, especially where the nature of the site requires off site activity such as loading and off loading materials and plant which may include crawler cranes.
8. **Accommodation, Hardstanding and Storage Areas.** Provision and subsequent removal of firm, dry reasonably level working areas, designed prepared and maintained for the safe operation and erection of plant and equipment. Conveniently situated areas on site for storage of plant, equipment and materials for offices, sheds and the manufacture of reinforcing cages.
9. **Surface Water, Groundwater and Wastewater.** Any pumping or drainage required to keep the site free of surface water or any water and slurry arising from the operations. Disposal of wastewater from the specialist operation (such as concrete wash out from agitators) is to comply with current legislation, including for filtering or the provision of settlement tanks as appropriate.
10. **Flammable Stores.** Provision for storage of petroleum, explosives and flammable materials as may be required and arranging for the requisite licence.

FEDERATION OF PILING SPECIALISTS



COMPANY NAME: Roger Bullivant Limited

11. **Telephone Facilities.** Provision of site telephone facilities.
12. **Health and Safety.** Welfare and safety facilities to comply with statutory regulations or rules, orders or regulations of any authority having powers related to the specialist works.
13. **Temporary Lighting.** Suitable background and task lighting to working areas to allow safe working and safe access and egress and to facilitate execution of the specialist works.
14. **Water Supply.** Within the working, storage and preparatory operation areas, potable water supply at mains pressure take-off points and sufficient for the operations, including (where applicable) charging of bores, bentonite/drilling fluid mixing, concrete mixing and cleaning of plant.
15. **Electricity.** Within the working, storage and preparatory operation areas, suitable power take-off points and power.
16. **Traffic.** Control or diversion of road, rail or water borne traffic.
17. **Existing Services.** Clear and substantive setting out, marking or exposing on site the exact location of existing underground/overhead works and services and providing a drawing on which their positions in line and level are accurately plotted relative to the specialist works. Adequate protection, diversion or removal of such works or services to prevent damage from the specialist's operations. The location and plugging off of all disused pipes or ducts in order to prevent the entry of pile concrete or drilling fluids during construction.
18. **Shoring/underpinning.** Shoring and underpinning as necessary, including the removal, replacement or adjustment of timbering or shoring which may impede the specialist's operations.
19. **Guide Walls.** The setting out, construction and later removal of reinforced concrete guide walls (where required). The top of the guide wall shall be a minimum of 1.5 m above water levels encountered during construction of the specialist works.
20. **Obstructions.** Prior removal of overhead, surface or underground obstructions which may impede the specialist's operations and backfilling of excavations and voids with a suitable material which will not obstruct or be deleterious to the works but which will ensure the stability of the specialist's plant.
21. **Setting Out.** Clear and substantive setting out and maintenance of individual pile/panel positions as necessary throughout the contract and the provision of permanent datum points, base lines, structural grid lines and as built survey information as required.
22. **Checking.** Checking the positions and cut-off levels of all piles/panels, during the progress of the work, on completion of the work (where practicable) and before the specialist's plant has left site.
23. **Attendance and Removal of Material.** The full time attendance of an excavator with backactor (or similar) to each rig for all operational purposes, including removal and disposal of excavated or displaced material including mud slurry and excess concrete from around the specialist operation in sufficient time to prevent the formation of spoil heaps impeding the specialist's operations.
24. **Wheel and Road Cleaning.** Manned wheel-cleaning facilities and/or road-cleaning, as necessary.
25. **Trimming.** Cutting back heads of piles/panels, including overbreak and casing left in, down to the specified cut-off levels; cutting back overbreak from the face of retaining walls; disposing of debris; and preparing, straightening and bending the reinforcement, including test piles/panels, caps and reaction piles/panels or anchors. Stripping formwork to recesses and box outs etc, including templates to starter bars or bolts. This should include preparation of the surface of the pile head for integrity testing.
26. **Building up.** Building up of piles/panels or any necessary modification to the sub-structure as a result of the piling platform level being lower than 0.3m (or as otherwise agreed) above the specified cut off level.
28. **Empty Bore/Panel Reinstatement.** Backfilling of any empty bore/panel excavation.
29. **Environmental Attendances and facilities** to comply with environmental legislation, and rules/ order or regulations of the Environment Agency and other statutory enforcing bodies, for example facilities such as skips to allow for the segregation of waste materials.

Roger Bullivant Limited
Cleadon Lane
East Boldon
Tyne & Wear
NE36 0AJ

ACCEPTANCE OF ESTIMATE

I/We hereby

accept your Estimate No:..... Dated:.....

for work as specified in that Estimate to be carried out at:

.....
.....

on your Terms and Conditions of Contract as set out on the reverse of your Estimate.

I/We confirm that the site and attendance facilities you require will be ready so that your work can start on:

My/Our deposit payment of £ TBC is enclosed.

Signed:

Company Position:

Dated: