

ROCK CIVIL ENGINEERING LIMITED

1 B VALE BUSINESS PARK, LANGAR ROAD, BARNSTONE, NOTTINGHAM NG13 9GH
TEL: 01949 869 582 • FAX: 01949 860 922

Date 13th January 2022
Your Ref :
Our Ref: StrataCleckheatonRem01

Strata Homes Yorkshire Limited,
Quay Point,
Lakeside,
Doncaster
DN4 5PL

Dear Sirs,

Re:- Westgate, Cleckheaton – Demolition, Remediation & Remodelling Works

We are pleased to submit our Bill of Quantities for the demolition, remediation and remodelling works for the above site.

The following notes explain the basis of our quotation.

Our price assumes:-

- all section agreements are in place prior to works commencing.
- all geotechnical supervision, sign off and MMP will be carried out by Lithos directly for Strata Homes.
- that the site will be remodelled to achieve a cut and fill balance of materials.
- free availability of suitable material to build up levels.

Our price allows for:-

- works as detailed within the tender letter dated 26th November 2021.
- stripping of existing topsoil and stockpiling on site.
- removing site scrub and vegetation and disposing on site.
- demolition of existing buildings, floor slabs and relict foundations.
- excavating made ground to a maximum depth of 3.0m. Sorting the material to separate any oversized elements. Crushing oversized material. Backfilling with the on site material to achieve a surface CBR value of 3%.
- remodelling works to leave the site at 1000mm below finished levels.
- geogrids across the highwall intersections with the proposed highway corridor.

We allow provisional sums for:-

- investigation works, testing and verification.
- professional fees for investigation works, verification, reporting and assisting with developing the Earthworks Specification.

Our price makes no allowance for:-

- zone load testing (awaiting design and approval of the method of works).
- capping material for gardens.

We allow rates only for:-

- cement solidification of hydrocarbon impacted soils.
- breaking out obstructions or hard materials.
- lime modification of wet materials.
- rolling dynamic compaction works.
- cement solidification of hardcore and crushed materials.

Our price is based on the information contained within your tender enquiry.

Our prices are fixed until 31st December 2022. Our terms for payment require monthly valuations to be followed by payment within thirty days. We hope that the above will meet with your approval and we remain available to discuss any aspect of the works or our quotation at your convenience.

Yours faithfully,

Ian Bingley
for Rock Civil Engineering Limited

**Strata Homes
Cleckheaton**

Item Description	Quantity	Unit	Rate	Value
Project Preliminaries				
Mobilisation/demobilisation to/from site	1	sum	5270.00	5270.00
Supervision and surveying/levelling/modelling	30	week	1550.00	46500.00
Welfare facilities	30	week	775.00	23250.00
Security - manned out of hours		week	2762.10	
Perimeter fencing		m	34.79	
Warranted design package		sum	TBC	
Preconstruction professional fees	1	sum	34375.00	34375.00
Principal contractor duties	1	sum	620.00	620.00
Stabilisation trial mix design and testing		sum	12500.00	
Expansive slag investigation and testing	1	sum	12300.00	12300.00
Trial pitting on grid for area A asbestos pit	1	sum	4400.00	4400.00
QA testing of works by the contractor	30	week	937.50	28125.00
Total for Project Preliminaries Carried Forward to Summary				154,840.00

Strata Homes
Cleckheaton

Item Description	Quantity	Unit	Rate	Value
Remediation and Earthworks - Area A				
Scrub strip, chipping and mulching, disposal on site	11360	m2	0.49	5566.40
Removal and disposal of 7no. tanks	1866	m3	17.05	31815.30
Removal and disposal of soild Coal Tar from tanks	100	tonne	105.30	10530.00
Removal and disposal of Sulphuric Acid from tanks	100	tonne	230.30	23030.00
Overbreak of high wall area	60	m3	17.05	1023.00
Cement solidification of hydrocarbon impacted soils		m3	51.20	
Excavation and cart on site	28037	m3	2.09	58597.33
Crushing of oversize material from screening process	2804	m3	7.75	21731.00
Breaking out of obstructions and/or hard materials		m3	54.25	
Lime modification of 'wet' materials		m3	9.65	
Solidification of hardcore and crushed materials		m3	40.73	
Filling to 3m engineered platform	28037	m3	3.10	86914.70
Completion of formation	11360	m2	0.22	2499.20
Total for Remediation and Earthworks - Area A Carried Forward to Summary				241,706.93

Strata Homes
Cleckheaton

Item Description	Quantity	Unit	Rate	Value
Remediation and Earthworks - Area B				
Scrub strip, chipping and mulching, disposal on site	10893	m2	0.49	5337.57
Treatment of expansive slag from Rolling Mill		m3	TBC	
Overbreak of high wall area	53	m3	17.05	903.65
Cement solidification of hydrocarbon impacted soils	2148	m3	51.20	109977.60
Excavation and cart on site	15348	m3	2.09	32077.32
E.o. allowance for inversion strategy		m3	3.89	
Crushing of oversize material from screening process	1535	m3	7.75	11896.25
Breaking out of obstructions and/or hard materials		m3	54.25	
Lime modification of 'wet' materials		m3	9.65	
Filling to 3m engineered platform	17496	m3	3.10	54237.60
Completion of Residential Area formation		m2	1.09	
E.o. earthworks to non-residential area - cut	3463	m3	3.89	13471.07
E.o. earthworks to non-residential area - fill	3463	m3	4.65	16102.95
Completion of Non-residential Area formation	3925	m2	1.09	4278.25
Total for Remediation and Earthworks - Area B Carried Forward to Summary				248,282.26

Strata Homes
Cleckheaton

Item Description	Quantity	Unit	Rate	Value
Remediation and Earthworks - Area C				
Scrub strip, chipping and mulching, disposal on site	19627	m2	0.49	9617.23
Overbreak of high wall area	55	m3	17.05	937.75
Cement solidification of hydrocarbon impacted soils		m3	51.20	
Excavation and cart on site	45508	m3	2.09	95111.72
E.o. allowance for inversion strategy	6750	m3	3.89	26257.50
Crushing of oversize material from screening process	4551	m3	7.75	35270.25
Breaking out of obstructions and/or hard materials		m3	54.25	
Lime modification of 'wet' materials		m3	9.65	
E.o. for hard dig and/or ripping in natural materials	6750	m3	17.44	117720.00
Filling to 3m engineered platform	52258	m3	3.10	161999.80
Completion of formation	19627	m2	0.22	4317.94
Total for Remediation and Earthworks - Area C Carried Forward to Summary				451,232.19

Strata Homes
Cleckheaton

Item Description	Quantity	Unit	Rate	Value
Remediation and Earthworks - Area D				
Scrub strip, chipping and mulching, disposal on site	16401	m2	0.49	8036.49
Rapid Impact Compaction of quarry area		m2	12.40	
Overbreak of high wall area	83	m3	17.05	1415.15
Cement solidification of hydrocarbon impacted soils		m3	51.20	
Excavation and cart on site	32151	m3	2.09	67195.59
E.o. allowance for inversion strategy	10350	m3	3.89	40261.50
Crushing of oversize material from screening process	3215	m3	7.75	24916.25
Breaking out of obstructions and/or hard materials		m3	54.25	
Lime modification of 'wet' materials		m3	9.65	
E.o. for hard dig and/or ripping in natural materials	5175	m3	17.44	90252.00
Filling to 3m engineered platform	58350	m3	3.10	180885.00
Completion of formation	16401	m2	0.22	3608.22
Total for Remediation and Earthworks - Area D Carried Forward to Summary				416,570.20

**Strata Homes
Cleckheaton**

Item Description	Quantity	Unit	Rate	Value
Site Wide and/or Exception Items				
General site clearance of all rubbish, fly tipping etc.	1	sum	9350.00	9350.00
Boundary Treatment - retaining slopes - Area A		m	TBC	
Boundary Treatment - retaining slopes - Area C		m	TBC	
Area A - asbestos pit; not identified to date		m2	TBC	
Asbestos fragments - hand picking allowance	1	sum	TBC	
Area A - specific pumping of resevoir area to 5m bgl	1	sum	TBC	
Dust suppression and damping down	30	weeks	310.00	9300.00
Clean corridors for drainage e.o. to 3m deep	3256	m3	8.53	27773.68
Geogrids for highways across highwalls - Triax TR160	675	m2	63.04	42552.00
Dealing with redundant services across site	1	sum	incl.	
Dealing with hydrocarbon impacted redundant services across site	1	sum	incl.	
Diversion of Blacup Beck	1	sum	18481.00	18481.00
Surface Water Management (including contamination aspects)	1	sum	5125.00	5125.00
Ground Water Management (including contamination aspects)	1	sum	7450.00	7450.00
Provision of Mobile Plant permit	1	sum	6200.00	6200.00
Damping down allowance for crushing and screening plant	1	sum	1550.00	1550.00
Decommissioning of existing monitoring boreholes not in use	1	sum	9375.00	9375.00
Demolition of existing structures and removal from site	1	sum	97900.00	97900.00
R&D asbestos survey to buildings on site	1	sum	3430.00	3430.00
Removal of visable asbestos from site	1	sum	44015.00	44015.00
Break out and crushing over hardstandings and floor slabs	1	sum	215450.00	215450.00
Total for Site Wide and Exceptional Items Carried Forward to Summary				497,951.68

Strata Homes
Cleckheaton

Item Description	Quant.	Unit	Rate	Value
GRAND SUMMARY				
Project Preliminaries				154840.00
Remediation and Earthworks - Area A				241706.93
Remediation and Earthworks - Area B				248282.26
Remediation and Earthworks - Area C				451232.19
Remediation and Earthworks - Area D				416570.20
Site Wide and/or Exception Items				497951.68
GRAND TOTAL				2,010,583.26