

OPTION 4 - Complete replacement of foundations and balustrade						
Description	Qty	Unit	Rate	Total	Total	Comments
General Preliminaries						
Site Engineer and Kit - 2 days per week	28.0	Weeks	1,270.00	£35,560.00		
Contracts Manager - 2 days per week	30.0	Weeks	1,040.00	£31,200.00		
Quantity Surveyor - 1 day per week	30.0	Weeks	580.00	£17,400.00		
Design Manager - 1 days per week	14.0	Weeks	580.00	£8,120.00		
Site Manager	30.0	Weeks	2,025.00	£60,750.00		
Part Working Foreman	30.0	Weeks	870.00	£26,100.00		
Telehandler	16.0	Weeks	700.00	£11,200.00		
Health and Safety	30.0	Weeks	300.00	£9,000.00		
Toilets	30.0	Weeks	170.00	£5,100.00		
Canteen	30.0	Weeks	100.00	£3,000.00		
Office	30.0	Weeks	100.00	£3,000.00		
Road Sweeps	56.0	Visits	1,160.00	£64,960.00		
Storage	30.0	Weeks	75.00	£2,250.00		
Security and CCTV	30.0	Weeks	1,157.00	£34,710.00		
General lighting	30.0	Weeks	460.00	£13,800.00		
Temporary street lights	12.0	Nr	170.00	£2,040.00		
Mobilization / Transport	30.0	Weeks	400.00	£12,000.00		
Diesel Bowser	30.0	Weeks	58.00	£1,740.00		

Generator	30.0	Weeks	289.00	£8,670.00		
IT, Internet, Etc.	30.0	Weeks	58.00	£1,740.00		
Heras fencing, to garden side	220.0	m	46.00	£10,120.00		
Site hoarding, to road side	220.0	m	120.00	£26,400.00		
General site barriers and the like	1.0	Item	2,900.00	£2,900.00		
Scaffold / edge protection for balustrade works	210.0	m	70.00	£14,700.00		
Concrete access ramp with stone sub-base	1.0	Item	9,800.00	£9,800.00		
On site parking charges				Excl		
					£416,260.00	
Breaking Out Existing Walls/Retaining Existing Ground/Remove Existing Vegetation						
Breaking out existing concrete foundations, walls and balustrades	253.0	m3	160.00	£40,480.00		
Disposal off site	253.0	m3	87.00	£22,011.00		Rate for inert waste.
Retaining structure	399.0	m2	170.00	£67,830.00		
Removal of vegetation	420.0	m2	12.00	£5,040.00		
Piling Mat Works					£135,361.00	
Excavate to reduce levels	94.5	m3	40.00	£3,780.00		
Disposal off site	94.5	m3	87.00	£8,221.50		Rate for inert waste: e/o for hazardous waste incl below.
Stone base; 150mm thick	94.5	m3	150.00	£14,175.00		
Compacting; ground	630.0	m2	3.50	£2,205.00		
Compacting; filling	630.0	m2	3.50	£2,205.00		
Left in as base for pavings	1.0	Item		£0.00		
					£30,586.50	

Piling Works									
Geotechnical analysis / Preparation and completion of Screwfast Pile Design Calculations	1.0	item	3,000.00	£3,000.00					
Preparation and completion of Top Hat / Pile Drawings	1.0	item	1,000.00	£1,000.00					
Procurement and manufacture of Screwfast Helical Piles Pile Design: 170 x 10mm to 5m Concrete Cap Top Hat, B1M Galv, C2M 600/600 Galv, E2M 500/600	175.0	no	1,645.00	£287,875.00					
Installation fo 175no Screwfast piles & Top Hats	25.0	shifts	2,850.00	£71,250.00					
Delivery of materials to site	7.0	No	1,400.00	£9,800.00					
Collection of empty stillages from site	2.0	No	1,400.00	£2,800.00					
Preliminary pile test	1.0	No	15,000.00	RO					
Working pile test	1.0	No	7,500.00	RO					
Standing tile in relation to delays and disruptions outside of our control (based on a 3 man crew)	1.0	Hrs	285.00	RO					
Additional design time required due to revisions/amendments/alterations to the original scheme design outside of initial design remit	1.0	Hrs	150.00	RO					
Quality Documentation	1.0	No	500.00	RO					
Allowance for 10% main contractors OHP on specialists costs	1.0	Item	37,572.50	37,572.50					
									£413,297.50
New Concrete Walls and Foundations									
Excavate to reduce levels	269.0	m3	40.00	£10,760.00					
Disposal off site	269.0	m3	87.00	£23,403.00					Rate for inert waste. e/o for hazardous waste incl below.
Compacting: ground	336.0	m2	3.50	£1,176.00					
Concrete walls, allow 400mm thick	76.0	m3	434.00	£32,984.00					

Concrete foundations / pile caps, allow 350mm thick, 1.6m wide	118.0	m3	434.00	£51,212.00	
Rebar: 210kg/m3	41.0	T	1,880.00	£77,080.00	
Formwork to walls	378.0	m2	161.00	£60,858.00	
Formwork; edges of beds / pile caps	504.0	m	87.00	£43,848.00	
Joints in concrete	131.0	m	105.00	£13,755.00	
Foundations for staircases	2.0	Nr	1,240.00	£2,480.00	
Works to Existing Road and Pavement				£317,556.00	
Excavate to reduce levels	216.0	m3	40.00	£8,640.00	
E/o for breaking out pavement and road	481.0	m2	17.00	£8,177.00	
E/o for breaking out kerbs	210.0	m	23.00	£4,830.00	
Disposal off site	216.0	m3	87.00	£18,792.00	Rate for inert waste. e/o for hazardous waste incl below.
Saw cut tarmac	210.0	m	12.00	£2,520.00	
New paving to match existing	105.0	m2	129.00	£13,545.00	
225mm sub-base to paving	47.0	m2	148.00	£6,956.00	
Compacting; ground	105.0	m2	3.50	£367.50	
Compacting; filling	105.0	m2	3.50	£367.50	
New red tarmac to match existing	481.0	m2	133.00	£63,973.00	
225mm sub-base to paving	108.0	m2	148.00	£15,984.00	
Compacting; ground	481.0	m2	3.50	£1,683.50	
Compacting; filling	481.0	m2	3.50	£1,683.50	
Conservation kerbs	210.0	m	84.00	£17,640.00	
Take down, store and re-erect lampposts; connections	12.0	Nr	1,620.00	£19,440.00	

Make good gullies disturbed and working around them	8.0	Nr	1,388.00	£11,104.00		
Making Good to Garden Pavements and Vegetation					£195,703.00	
New soft landscaping	420.0	m2	58.00	£24,360.00		
New trees	13.0	Nr	2,892.00	£37,596.00		
Topsoil; BS3882	251.0	m3	142.00	£35,642.00		
Allowance for new paths	420.0	m2	90.00	£37,800.00		
Allowance for new edgings	210.0	m	17.00	£3,570.00		
Groundworks Risk Items					£138,968.00	
Site setup utility connection costs	1.0	Item	5,785.00	£5,785.00		
Tree removal works	13.0	Nr	2,314.00	£30,082.00		
Tree root removal works	13.0	Nr	1,157.00	£15,041.00		
Tree canopy works	9.0	Nr	1,157.00	£10,413.00		
Infilling soft spots	100.0	m3	291.00	£29,100.00		
Existing services; electrics	1.0	Item	11,600.00	£11,600.00		UKPN record 1No paper lead cable running the length of the pavement within works area
Existing services; gas	1.0	Item		Excluded		Cadent Gas record 1No LP mains running the length of the adjacent carriage way
Existing services; water	1.0	Item		Excluded		Thames Water record 1No 110mm dia supply pipe running the length of the adjacent carriage way
Existing services; telecommunications	1.0	Item	5,800.00	£5,800.00		Openreach record 1No supply crossing the works area
Existing services; drainage	1.0	Item	40,500.00	£40,500.00		Thames Water a combined sewer record 3No combined sewers crossing the works area, and approx. 150m of combined sewer running down the adjacent carriageway

Existing services; lampposts and wiring	1.0	Item	13,900.00	£13,900.00		
CBR (California Bearing Ratio) testing	1.0	Item	2,900.00	£2,900.00		
WAC (Waste Acceptance Criteria) testing	1.0	Item	4,600.00	Excl		Assume now complete under this option
Remediation Strategy including removal of waste	1.0	Item	52,000.00	£52,000.00		e/o to dispose of the top 500mm of excavated matter as hazardous.
UXBO survey	1.0	Item	2,900.00	£2,900.00		
Initial site survey	1.0	Item	750.00	£750.00		
Utility surveys	1.0	Item	1,740.00	£1,740.00		
Unforeseen ground conditions and obstructions				Excl		
					£222,511.00	
Balustrade Works (Bay B to Bay P inclusive)						
Copings and plinth course	220.0	m	1,244.00	£273,680.00		
Piers	15.0	Nr	2,702.00	£40,530.00		
Di-blocks	52.0	Nr	579.00	£30,108.00		
Bottles	677.0	Nr	179.00	£121,183.00		
Set of steps with 5 risers	1.0	No	9,845.00	£9,845.00		
Set of steps with 6 risers	1.0	Item	11,814.00	£11,814.00		
Gates	3.0	Nr	1,800.00	£5,400.00		
Stone Contractors Preliminaries @ 12%	1.0	Item	59,107.20	59,107.20		Say 10 weeks concurrent with the Groundworker, and 10 weeks self sufficient
Allowance for 10% main contractors OHP on specialists costs	1.0	Item	56,012.00	56,012.00		
					£607,679.20	
				TOTAL	£2,477,922.20	

Clarifications									
All cost subject to detailed design									
We anticipate removing approximately half the balustrade at a time, and carrying out the structural works in short bays therein, completing approximately half the structural works before commencing work on the other half.									
We have assumed closure of the Garden for the duration of the works, although it is anticipated the works will be largely contained along the walled edge.									
We anticipate reducing Chester Terrace to one lane for the full duration of the works.									
We note the HPM design for Repair Scenario 4 calls for the existing road surface to be maintained, however we have allowed to remove and replace approximately 1.5m of the carriageway the full length of the works.									
Muck away via grab lorry over the wall to Chester Terrace									
Costs assume standard working hours									
Exclusions									
General Contingency									
VAT									
Consultants fees, Arboriculturist, Landscape design, Quantity Surveying etc									
Road closure costs									
Noisy working restrictions									
Works to Wall Sections A or Q, which boarder private residences									
Specialist de-watering									