

		£	p
	<p><b>SECTION C9 - ENVIRONMENTAL WORKS</b></p> <p><b>SCHEDULE OF WORKS FOR NELSON COURT DRAKE COURT, GRENVILLE COURT AND RODNEY COURT</b></p> <p><b>PROJECT ADMIRAL,</b></p>		
	<b>total collection</b>		

SECTION C9 – ENVIRONMENTAL WORKS		£	p
<p><b><u>GENERAL NOTES:</u></b></p> <p>a. The Contractor is to allow for all sequencing and integration of work clauses for the proper execution of the works.</p> <p>b. All Preamble references i.e., B6 refer to the Workmanship and Preambles Section of this Specification. All works contained in this Schedule are deemed to be covered by the clauses in the Preambles Section, whether specific reference noted or not.</p> <p>c. All Standard Details will be cross-referenced to each Clause where applicable.</p> <p>d. The specification should be read in accordance with Structural Engineers drawings and details where required.</p> <p>e. The Contractor is to allow for all making good required as a consequence of the works and for the removal of all debris from site as works proceed.</p> <p>f. The Contractor is to allow for all removal and reinstatement of services as required due to the consequence of the works. This shall include all electrical services, such as CCTV cameras and external security lights, alarm installations, water and gas services, TV aerial installations, together with satellite and cable installations. Any works which result in temporary removal and therefore loss of service shall be minimised and must be reinstated either temporarily or permanent within one hour.</p> <p>g. Protection/Working Procedures - See Preliminaries - Section A.</p> <p>h. Contractor responsible for obtaining all necessary services, including gas, electric, water mains, sewers and drainage and telecommunications as necessary to complete the works.</p> <p>i. Contractor to carry out pre-start photographic survey of all areas prior to commencement of the works.</p> <p>j. The Client will not be held responsible for costs associated with Resident complaints if photographic evidence is not available.</p> <p>k. Contractor responsible for cross referencing any other schedule of works within the specification to ensure no conflict in design. Any issues to be brought to the attention of the C.A. during the tender period.</p> <p>l. <b><u>THE CLIENT WILL NOT ACCEPT ANY ADDITIONAL COSTS AT CONTRACT STAGE FOR FAILURE TO PRICE OR COMPLETE ANY OF THE ABOVE ITEMS DURING THE TENDER PERIOD.</u></b></p> <p>m. <b><u>IN SUBMITTING A TENDER, THE CONTRACTOR IS DEEMED TO HAVE PRICED ALL THE ITEMS WITHIN THIS BILL AND ALL OTHER DOCUMENTS ISSUED AS PART OF THE TENDER PROCEDURE.</u></b></p> <p>NB: The schedule of works relates to works to Nelson Court only and within the pricing summary carried forward to the tender documents the contractor shall include the cost for identical works to the remaining three blocks</p>			
<b>total collection</b>			

		£	p
1.0	<b>STRIP OUT WORKS</b>		
1.1	<p><b>Remove Planting Areas &amp; Shrubs Shall Mean:</b>  <i>Location: As indicated on proposed plans</i></p> <p>a) To areas indicated on proposed plans carefully remove existing shrubs, trees and plants etc. Level off area and clear all from site.</p> <p>b) Grub up roots and tree stumps.</p>		
2.0	<b>SURFACING WORK</b>		
2.1	<p><b>Replace Kerb Edgings Shall Mean:</b>  <i>Preamble: Q10</i>  <i>Location: Car park – as indicated on proposed plans</i>  <i>Standard Detail:</i></p> <p>a) As indicated on drawings; carefully remove existing kerb edgings and dispose from site.</p> <p>b) Supply and install new 125mm half batter pre-cast concrete kerb edgings to be laid in 1:2:6 concrete mix and to areas as shown on the proposed drawings.</p> <p>c) Where new concrete edgings are to be used for pavement edgings kerbs are to be dropped to allow level access.</p>		
2.2	<p><b>Provide New Kerb Edgings To Form New Car Park Area Shall Mean:</b>  <i>Preamble: Q10</i>  <i>Location: Car park</i></p> <p>a) To areas marked on drawings, excavate as necessary and supply and install new 125mm half batter pre-cast concrete kerb edgings to be laid in 1:2:6 concrete mix.</p> <p>b) Where new concrete edgings are to be used for pavement/footpath edgings kerbs are to be dropped to allow level access.</p>		
2.3	<p><b>Provide New Tarmac Wearing Course Shall Mean:</b>  <i>Preamble: Q10</i>  <i>Location: Car park</i>            :</p> <p>a) Allow to remove existing weeds/ vegetation growth to existing macadam areas.</p>		
<b>total collection</b>			

	<p>b) Allow to mechanically sweep areas to remove dust and debris and apply weed killer to whole area.</p> <p>c) Allow to raise existing gulley grilles, manhole covers and cast iron work as necessary including all undertakings.</p> <p>d) Fill pot holes, apply tac coat and supply and lay 30mm thick wearing course using minimum of 6mm size open graded macadam to provide a co-ordinated finish across all external areas of the car park and entrance road with falls to gullies and allowing for all undertakings.</p> <p>e) Allow to form cut joint to entrance of car park to form joint between new wearing course and existing Local Authority highway.</p> <p><b>Note:</b></p> <p>i) <b>Works to be undertaken to allow co-ordination of all building works without delay or damage to car park surfacing.</b></p>	£	p
2.4	<p><b>Provide New Line Markings Shall Mean:</b>  <i>Preamble: Q10</i>  <i>Location: Car park</i></p> <p>a) Allow to provide white line marking to show demarcation of parking bays as indicated on drawings; allowing for disabled line markings as indicated. Paint to be durable traffic grade epoxy paint.</p> <p>b) Allow to provide double yellow line markings to prevent parking in emergency bay areas as indicated on drawings. Paint to be durable traffic grade epoxy paint by Signs and Labels or similar approved.</p> <p>c) Allow to provide hatched yellow line markings to prevent parking in emergency bay areas as indicated on plan. Paint to be durable traffic grade epoxy paint by Signs and Labels or similar approved.</p>		
2.5	<p><b>Lay New PCC Paving Slabs Shall Mean:</b>  <i>Preamble: Q10</i>  <i>Location: Car park</i></p> <p>a) Reduce levels as required and install 200 x 50mm thick PCC square edged kerb edgings set into S2 haunched concrete.</p> <p>b) Lay min 100mm hardcore blinded with sand and new 50mm thick 900 x 600mm pre-cast concrete pavings by Marshalls.</p> <p>c) Paving to be laid to fall away from main building and into back inlet gulley where applicable. All paving levels to be minimum 150mm beneath internal ground floor level.</p> <p><b>Note:</b></p> <p>i) <b>Pavings to be ramped to provide level access at new entrance to communal areas. Provide vertical dpc at junction with main building.</b></p>		
<b>total collection</b>			

<p>2.6</p>	<p>ii) Contractor is to allow for all adjustments to heights of existing manholes as required for new paving works.</p> <p>iii) Make good and extend all surfaces including adjacent planting areas.</p> <p><b>Lay New Tactile Paving Slabs Shall Mean:</b>  <i>Preamble: Q10</i>  <i>Location: Car park</i>  <i>Standard Detail:</i></p> <p>d) Reduce levels as required and install 200 x 50mm thick PCC square edged kerb edgings set into S2 haunched concrete.</p> <p>e) Lay min 100mm hardcore blinded with sand and new 50mm thick 400 x 400mm standard buff pre-cast concrete tactile pavings by Marshalls. Pavings to drop kerb locations.</p> <p>f) Paving to be laid to fall away from main building and into back inlet gulley where applicable. All paving levels to be minimum 150mm beneath internal ground floor level.</p> <p><b>Note:</b></p> <p>i) Pavings to be ramped to provide level access at new entrance to communal areas. Provide vertical dpc at junction with main building.</p> <p>ii) Contractor is to allow for all adjustments to heights of existing manholes as required for new paving works.</p> <p>iii) Make good and extend all surfaces including adjacent planting areas.</p> <p>2.7</p> <p><b>Lay New Resin Bound Gravel Path Shall Mean:</b>  <i>Location: New footpaths –</i></p> <p>a) To areas shown on proposed plans excavate as necessary install 200 x 50mm thick PCC square edged kerb edgings set into S2 haunched concrete.</p> <p>b) Lay new 150mm well compacted hardcore on 50mm sand blinding with 150mm C20 concrete slab to receive new resin board gravel path.</p> <p>c) Lay new Nature Walk decorative natural stone scatter system (3-4mm thickness) by Flowcrete strictly in accordance with manufacturers instruction.</p> <p><b>Note:</b></p> <p>i) Pavings to be ramped to provide level access at new entrance to communal areas. Provide vertical dpc at junction with main building.</p>	£	p
total collection			

	<p>ii) Contractor is to allow for all adjustments to heights of existing manholes as required for new paving works.</p> <p>iii) Make good and extend all surfaces including adjacent planting areas.</p>	£	p
3.0	<b>FENCING &amp; GATE WORKS</b>		
3.1	<p><b>Supply and Install 1100mm High Metal Railing Shall Mean:</b>  <i>Location: As indicated on proposed plans ref: P2824/80</i>  <i>Standard Detail: P2824/82</i></p> <p>a) Remove existing fencing/hedge or brick boundary wall remove existing post bases/foundations as necessary and clear from site.</p> <p>b) Excavate and cast concrete pads and set in GMS standards and intermediate lugs. Install new 1100mm high GMS fence as detail. Allow for vertical fixing lugs as depicted and plugged and screwed to existing walls.</p> <p>c) Metal work to be galvanised and powder coated with black finish.</p>		
3.2	<p><b>Supply and Install 1100mm High Single Metal Gate Shall Mean:</b>  <i>Location: As indicated on proposed plans ref: P2824/80</i>  <i>Standard Detail: P2824/82</i></p> <p>a) Install new 1100mm high GMS single gate as detail hung on metal posts set into concrete.</p> <p>b) All metal work to be galvanised and powder coated with black finish.</p>		
3.3	<p><b>Supply and Install 2100mm High Timber Close Boarded Fence To Shall Mean:</b>  <i>Location: West boundary complete – as indicated on proposed plans ref: P2824/80</i>  <i>Standard Detail: P2824/82</i></p> <p>a) Excavate as required and install new concrete post in concrete footing with 300mm gravel board and new 1800mm high x 1800mm wide close boarded fencing in accordance with standard detail.</p> <p>c) Posts to be set into ground by a min of 500mm and surrounded in concrete to a min of 400mm diameter. Make good all disturbed paving/ground.</p>		
<b>total collection</b>			

		£	p
3.4	<p><b>Provide New High Level Mild Steel Sliding Gate Shall Mean:</b></p> <p><i>Location: Existing car park entrances.</i> <i>Qty: 2 no. total.</i></p> <p>a) Provide and install new high level mild steel sliding gate with side panel and posts to match existing fences style and height.</p> <p>b) New gates to be mounted on mild steel circular bottom rail capable of passing through 50 x 50mm mild steel portals with sturdy nylon wheel supports.</p> <p>c) All new gates and posts to be galvanised prior to installation in accordance with BS729: Part 1.</p> <p>d) New gates and posts fixed in accordance with manufacturer's instructions.</p> <p>e) Sub-contractor to provide design for C.A and client approval prior to manufacture.</p> <p><b>Note:</b></p> <p>i) Contractor to refer to M&amp;E specification for mains supply and motor installation. All new duct works to be laid within new hard/soft landscape areas to avoid heavy vehicle loadings.</p> <p>ii) Contractor to allow for two way digital entry pad with fob system as per M&amp;E specification and to allow for all builders work in connection with the installation of the above.</p> <p>iii) Make good and extend all surfaces including adjacent planting areas.</p>		
4.0	<div style="border: 1px solid black; padding: 5px; text-align: center;">REFUSE &amp; RECYLCING</div>		
4.1	<p><b>Lay New PCC Paving Slabs to Form Bin Store Base Shall Mean:</b></p> <p><i>Location:</i></p> <p>a) Reduce levels as required and install 200 x 50mm thick PCC square edged kerb edgings set into S2 haunched concrete.</p> <p>b) Lay min 100mm hardcore blinded with sand and new 50mm thick 900 x 600mm pre-cast concrete pavings by Marshalls.</p> <p>c) Paving to be laid to fall away towards new gravel soakaway. All paving levels to be minimum 150mm beneath internal ground floor level.</p>		
<b>total collection</b>			

4.2	<p><b>Supply and Install 2500mm High Timber Close Boarded Fence To Form Bin/Recycling Area Shall Mean:</b>  <i>Location:</i>  <i>Standard Detail:</i></p> <p>a) Excavate as required and install new concrete post in concrete footing with 300mm gravel board and new 2200mm high x 1500mm wide close boarded fencing in accordance with standard detail.</p> <p>b) Post to be set into ground by a min of 500mm and surrounded in concrete to a min of 400mm diameter. Make good disturbed paving/ground.</p>	£	p
5.0	<div>EXTERNAL DECORATION</div>		
5.1	<p><b>Decorate Existing Metal Railings Shall Mean:</b>  <i>Location:</i></p> <p>a) To existing wall top metal railings rub down and prepare existing surface to receive decoration. Apply primer and 2 no. coats smooth Hamerite multi-purpose metal paint (or similar approved).</p> <p><b>Note:</b></p> <p>i) <b>Client to confirm colour scheme prior to commencement of works</b></p>		
6.0	<div>EXTERNAL REPAIRS</div>		
6.1	<p><b>Re-bed Existing Copings To Low Level Boundary Wall Shall Mean:</b>  <i>Location:</i>  <i>Qty: Allow 50 Lin M as instructed by C.A.</i></p> <p>a) Remove existing stone copings and keep for re-use. Prepare top surface of wall, treat with anti-fungicidal solution and re-bed retained copings replacing damaged with new to match existing, point up on completion in 1:1:6 mortar.</p>		
6.2	<p><b>Repoint Boundary Wall Shall Mean:</b>  <i>Location: North &amp; South boundary wall – as indicated on proposed plans ref:</i>  <i>Qty: Allow 150m2 as instructed by C.A.</i></p> <p>a) Rake out joints min 20mm and repoint in 1:1:6 mortar) finished with a neat weatherstruck joint.</p>		
<b>total collection</b>			



		£	p
7.0	<b>SOFT LANDSCAPING WORKS</b>		
7.1	<b>Remove Vegetation Shall Mean:</b> a) Clear/remove from site all bushes, brambles, weeds, moss, grass soil waste and debris.		
7.2	<b>Cut Back Tree Shall Mean:</b> <i>Location:.</i> a) Contractor is to assess site conditions, allow all necessary support and protection to allow for tree to be cut back, ensuring branches are removed a min. 2000mm from adjacent buildings. Tree to be balanced and crown lopped.		
7.3	<b>Provide Turf to Paved Area Shall Mean:</b> <i>Location:.</i> a) Provide signage and barriers to divert pedestrians and protect workers and general public. b) Break up/lift existing PCC flags and brick planters as applicable, excavate and lower levels min. 300mm, remove/clear debris arising/undertakings from site. c) Supply and lay new topsoil min. 100mm and turf to finish level to adjacent turfed areas. Topsoil shall be free of weeds, roots or perennial weeds and foreign matter and be capable of being broken down to a fine tilth and spread in an evenly consolidated layer. Turf to be laid evenly and butt tight against each other, inclusive to allowing a transition into the existing turf areas. Watering, repair of all erosion and settlement shall continue as necessary until handover of the works.		
7.4	<b>Provide Tree/Tree Guard Shall Mean:</b> <i>Locations:</i> a) Supply and plant Pink blossom Cherry Tree (Prunus 'Aamaogawa') min. 2250mm high to positions shown on plan. Supply and install to the perimeter of each tree an 1800mm high galvanised mild steel powder coated (colour to be advised by CA) tree guard, securely set into ground to provide protection to tree.  <b>Note:</b> i) Tree is to be provided with suitable root ball and is to be provided with Grower's Certificate to confirm guarantee in respect of growth.		
<b>total collection</b>			

		£	p
	<p><b>COLLECTION PAGE FOR PROJECT ADMIRAL</b></p> <p><b>Preliminaries</b></p> <p><b>Section C9 - Environmental Works</b></p> <p>Page 1</p> <p>Page 2</p> <p>Page 3</p> <p>Page 4</p> <p>Page 5</p> <p>Page 6</p> <p>Page 7</p>		
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