

3.0 SCOPE OF WORKS

Before commencing work the following should be noted:

- Contractor to check all dimensions on site.
- Contractor is welcome to suggest alternative products to those stated to achieve better results and/or cost savings but these must be approved in advance by Client/ Design Consultant.
- Preliminaries: Contractor to allow for any site set up costs, welfare facilities and protection to existing finishes, supervision, access equipment or the like.
- The contractor is to agree a strategy for undertaking works while the college remains operational with the Estates Manager. Taking into consideration: hoarding, dust, noise, scaffold towers, protection and contractor access.
- When considering program contractor should give attention to coordinating with other proposed works to surrounding areas.
- Access to site and program of works is to be agreed with Estates Manager.
- Contractor to liaise with College Facilities team regarding installation of items requiring power – eg lighting.
- Contractor to follow all manufacturers guidelines for installation of products
- Before commencing work Contractor must remove existing items and make good existing surfaces. This should be undertaken with the advice of College Estates Manager who is also to advise on what is to be done with existing equipment removed from around the campus.

3.1 Chapel Courtyard

AREA	WORKS REQUIRED	COST
Option 1: No Paved Inset Square	Existing cobbles to be swept and weeds/litter between stones removed. Refer to drawing no. 903, Chapel Courtyard Plan, Option 1 for notes.	
Option 2: New Paved Inset Square: White Granite	<p>Existing cobbles to be swept and weeds/litter between stones removed.</p> <p>New Paved Square to be formed from 300mm x 300mm white granite paving flags (refer to specification). Square to be positioned between existing lines of dark paving stones with 2 lines of dark paving replicated. Refer to drawing no. 903, Chapel Courtyard Plan, Option 2 for setting out and notes.</p> <p>Cut paving flags to be positioned at edges. The preference is for cut flags to be not less than 150mm wide, contractor to determine detailed measurements on site and contact designer with proposal.</p> <p>Existing stones are to be removed and surface underneath to be determined. Contractors are to assume no sub-base and therefore, new paving flags should be laid on bed of 100mm compacted hardcore followed by layer of 50mm compacted sand. If solid surface exists contractor to investigate suitability of surface for laying paving and report to Estates Manager. Requirement is for paving to support occasional car/van parking and goods delivery to the college.</p>	
Option 3: New Paved Inset Square: York Stone	<p>Existing cobbles to be swept and weeds/litter between stones removed.</p> <p>New Paved Square to be formed from 300mm x 300mm York Stone paving flags (refer to specification). Square to be positioned between existing lines of dark paving stones with 2 lines of dark paving replicated. Refer to drawing no. 903, Chapel Courtyard Plan, Option 2 for setting out and notes.</p> <p>Cut paving flags to be positioned at edges. The preference is for cut flags to be not less than 150mm wide, contractor to determine detailed measurements on site and contact designer with proposal.</p>	

	Existing stones are to be removed and surface underneath to be determined. Contractors are to assume no sub-base and therefore, new paving flags should be laid on bed of 100mm compacted hardcore followed by layer of 50mm compacted sand. If solid surface exists contractor to investigate suitability of surface for laying paving and report to Estates Manager. Requirement is for paving to support occasional car/van parking and goods delivery to the college.
Benches: surface fixed	Benches are to be installed using ground fixings integral to bench. Contractor to refer to manufacturer's guidelines for installation. Benches are to be installed in the Chapel Courtyard at locations shown in Drawing 903.
Bins	Bins are to be installed using ground fixings integral to bin. Contractor to refer to manufacturer's guidelines for installation. Bins are to be installed in the Chapel Courtyard at locations shown in Drawing 903.
Wall Lights	<p>2 types of wall lights are to be installed, for specification refer to end of document. Power to lights must run under existing and new paving from nearest possible power source. Contractor to liaise with University to determine best and most practical solution for achieving this – a suggestion for cabling routes is provided in drawing no. 81066 903. Contractor is to ensure no damage to existing paving and replace in exactly the same manner as is found.</p> <p>First type of wall light is to be installed to central walls of 3 existing cycle shelters (refer to drawing 81066 903). Contractor to refer to Manufacturer's guidelines for installation. Wall Lights are to be mounted in centre of central back walls at height of 1500mm. Wires/conduits to be surface mounted at back of wall (car-park side). Steel wire armoured cable to be used and boxed out with red cedar treated to withstand weather conditions. Contractor to ensure power supply is weatherproof and poses no risk to students at the College.</p> <p>Second type of wall light is to be installed on each side of the 2 existing concrete planters – refer to drawing 81066 903 for location. Contractor to refer to Manufacturer's guidelines for installation. Wall lights are to be mounted in centre of concrete overhanging lip on vertical surface using steel wire armoured cable. Wires/conduits can be surface mounted. Contractor to ensure that the appearance of the power supply is as attractive as</p>

	<p>possible whilst being both weatherproof and posing no risk to students at the College. Some existing cabling runs under concrete overhang. Contractor to investigate if this is a live power supply and if it can be utilised.</p> <p>Underground cabling to be a minimum of 300mm below ground level.</p> <p>Note: All electrical works to be installed in accordance with the 16th edition of I.E.E. regulations.</p>
Street Lights	<p>Street Lights are to be installed at locations shown in drawing 81066 903. Contractor to refer to Manufacturer's guidelines for installation. Power to street lights must run under existing and new paving from nearest possible power source. Contractor to liaise with University to determine best and most practical solution for achieving this, a suggested layout for cabling is provided in drawing 81066 903. Contractor is to ensure no damage to existing paving and replace in exactly the same manner as is found.</p> <p>Street Lights incorporate angled reflector, arrows on drawing 81066 903 show direction in which reflector is to be pointed to direct light.</p> <p>Underground cabling to be a minimum of 300mm below ground level.</p> <p>Note: All electrical works to be installed in accordance with the 16th edition of I.E.E. regulations.</p>
Cycle Racks	<p>New Cycle racks are to be installed in locations shown in drawing 903. Cycle racks are fixed into ground with concrete base, Contractor to follow Manufacturers guidelines for installation.</p>
Cycle Shelters	<p>Cycle shelters will be bespoke designs produced by 'Broxap' based on their 'Newcastle Junior' cycle shelter design. Contractor to liaise with 'Broxap' to achieve cycle shelters. Outline specification is included in section 4.0 of this document.</p>
Telescopic Bollards	<p>Telescopic (lift-out) bollards are to be installed in Courtyard. Refer to drawing 903 for location. Contractor to refer to Manufacturer's guidelines for installation.</p>
Fixed Bollards	<p>Fixed bollard locations are indicated in drawing 903. Contractor to refer to Manufacturer's guidelines for installation.</p>

Planting	For planting requirements refer to Section 4 of this document which contains specifications and details of works required. A budget of £2000 is allowed for these works and it is likely that the existing grounds keeper employed by the college will undertake planting and pruning with coordination by appointed contractor.	
Illuminated Poster Frames (3 x A3)	Refer to section above. Power supply to illuminated poster frames at Chapel location is to be undertaken. Contractor to liaise with College to determine best and most practical way to achieve this. Wires/conduits can be surface mounted. Contractor to ensure that the appearance of the power supply is as attractive as possible whilst being both weatherproof and posing no risk to students at the College.	
Total Cost excluding VAT		
Total Cost including VAT		

3.2 Other Campus Areas

AREA	WORKS REQUIRED	COST
Benches	Benches are to be installed using ground fixings integral to bench. Contractor to refer to manufacturer's guidelines for installation. Benches are to be installed around the College campus at locations shown in Drawing 901.	
Bins	Bins are to be installed using ground fixings integral to bin. Contractor to refer to manufacturer's guidelines for installation. Bins are to be installed around the College campus at locations shown in Drawing 901.	
Poster Frames	Poster frames are to be installed around College locations at locations shown in Drawing 902. Contractor should refer to Design Manual for Street Furniture and Notice Management for principals of installation – eg heights. Contractor should also refer to Manufacturers guidelines for installation. Contractor is to hand all Poster Frame allen keys to College Estates Manager.	
Total Cost excluding VAT		
Total Cost including VAT		

Ground Fixing Detail

Dimensions

Litter Bins

SINEU GRAFF PERFORATED

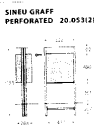
By Marshalls Street Furniture

T: 0870 600 2425

Litter Bin with Lid

Sineu Graff Perforated, ref: 20.053 (2)

With black frame to RAL 9005 and silver perforated panels to RAL 9006.



Wall Mounted Litter Bin

Sineu Graff Perforated, ref: 20.053 (3)

With black frame to RAL 9005 and silver perforated panels to RAL 9006.

NO IMAGE AVAILABLE