



KEY:

- SITE BOUNDARY**
- EXISTING TREES TO BE RETAINED**
Refer to Tree Retention & Removals Plan BD 0112 DD 005.
- SOFT LANDSCAPE PLANTING**
Refer to Soft Landscape Layout Plan BD 0112 DD 003.

WALLS, FENCES AND GATES (refer to Q40)

- EW1: EXISTING BOUNDARY BRICK WALLS**
Existing boundary walls to be retained with sections removed where indicated.
- RW1: LOW BRICK WALLS TO AMENITY SPACE**
37.2 lin.m brick wall heights 480mm and 660mm height. Brick on edge to top of wall. Salvaged bricks to be reused if possible or new bricks to match existing.
- RW2: REALIGNMENT OF EXISTING BRICK BOUNDARY WALL**
Brick walls to be built using salvaged bricks to allow for 24 hour UKPN access, 1.1m length at 3.2m height and 1.6m length at 2.35m height to match and tie in to existing retained walls (heights to be confirmed).
- RW4: LOW BRICK WALL WITH TIMBER FIN FENCE**
7.5 lin.m 235mm wide brick wall. Top of wall level 22.590 (nominal 870mm high) to be built with salvaged bricks or new bricks to match existing. Brick on edge to top of wall. Construction detail and foundations to engineer's detail and specification.
- RW5: RETAINING WALL**
1.765m high retaining wall. Top of wall level 22.975. Construction detail and foundations to engineer's detail and specification.
- TF1: TIMBER FIN FENCE**
1800mm height timber fin fence comprising 1780mm high x 200mm wide x 34mm thick planed western red cedar fins at 95mm spacing fixed with vandal resistant galvanised steel fixings to planter edge. Supplier: Langley Design Ltd (or equal and approved); Q40 411.
- TF2: TIMBER FIN FENCE**
1800mm height timber fin fence comprising 1700mm high x 200mm wide x 34mm thick planed western red cedar fins at 95mm spacing fixed to galvanised steel fixings and base plated fixed to top of wall with vandal resistant bolt fixings. Supplier: Langley Design Ltd (or equal and approved); Q40 412.
- HR1: HANDRAIL**
100mm high stainless steel handrail with brushed finish fixed to top of brick wall RW1 by Handrail Design (or equal and approved); L37 165.
- R1: RAILINGS**
465mm wide x 2.3m high vertical pale railings. Galvanised steel with powder coated finish colour black. Lock type to be confirmed. Supplier: Jacksons Fencing (or equal and approved); Q40 220. Note: Railings to be manufactured to allow for District Heating Pipe to feed through - dimensions to be confirmed by M&E Engineer.
- AG1: ENTRANCE AND SINGLE ACCESS GATE TO TAVITON STREET ENTRANCE**
To architect's detail and specification - to match style of entrances of the wider scheme. Gate to include mortice latch lock, accessory set, electric strike and push/pull ironmongery. Lock cylinder to be supplied by UCI Security; Q40 560.
- AG2: SINGLE ACCESS GATE**
2m high vertical pale single leaf access gate and posts. Galvanised steel with powder coated finish colour black. Lock type to be compatible with card reader for Campbell House residents' access only. Push/pull ironmongery required. Supplier: Jacksons Fencing (or equal and approved); Q40 561.
- AG4: SINGLE ACCESS GATE**
1.8m high single leaf access gate with goom clear opening to match timber fin fencing. Supplier: Langley Design Ltd (or equal and approved); Q40 570.
- AG5: SINGLE ACCESS GATE FOR UKPN 34 HR ACCESS**
2.2m high vertical pale single leaf access gate and gate posts. Galvanised steel with powder coated finish colour black. Supplier: Jacksons Fencing (or equal and approved); Q40 563.

SURFACE FINISHES & EDGINGS

- EXISTING CONCRETE SURFACE TO BE RETAINED**
- NEW CONCRETE BASE TO CYCLE PARKING**
Concrete to engineer's detail and specification.
- HELGUARD GRATING LANDING TO TOP OF STAIR**
Galvanised steel grating by Elefant Gratings (or equal and approved) to create landing to top of stair SS1. Support frame to engineer's detail and specification. Finish: galvanised steel grating to match stair treads and contrasting nosings colour white.
- YORKSTONE PAVING**
Existing Yorkstone paving units to be cleaned. Note: additional Yorkstone will be required where infilling and making good between existing and new low wall (RW1) - shaded grey.
- CONCRETE PAVING UNITS**
160 gauge x 120/160/240 mix x 60mm depth Newrange Block paving units. Colour: Silver Granite. Units flexibly laid with nominal 3mm sand joint. Supplier: Hardscape Ltd (or equal and approved); Q25 125. Refer to Detail BD 0112 DD 303.

- PERMEABLE CONCRETE PAVING UNITS (LAID ON CELLWEB)**
160 gauge x 120/160/240 mix x 60mm depth Climapave Newrange Block paving units. Colour: Silver Granite. Units laid with 6mm grit filled joints. Supplier: Hardscape Ltd (or equal and approved); Q25 120. Refer to Detail BD 0112 DD 303.
- SELF BINDING GRAVEL TO BOULES AREA**
Refer to Tree Retention & Removals Plan BD 0112 DD 005.
- CK1 & CK2: CONCRETE FLAT TOP EDGING**
63mm wide x 150mm depth x 914mm long precast concrete flat top Conservation edging by Marshalls (or equal and approved); Q10 110. Refer to Detail BD 0112 DD 305. CK1: laid flush/CK2: laid with 50mm upstand.

STEPS, STRUCTURES & STREET FURNITURE

- SS1: STEEL STAIRS TO TAVITON STREET ENTRANCE**
1800mm overall width x double flight of steps comprising associated handrails (outer handrail to have steel grating infill). Finish: Galvanised steel. Manufacturer: Steelway (or equal and approved) Tactile paving to bottom of steps. Bike ramps fixed to either side (by Cycle Hoop or equal and approved); L37 320.
- SS2: STEEL STAIRS ADJACENT SIR CHRISTOPHER INGOLD LECTURE THEATRE**
1410mm overall width stairs comprising associated handrails with steel grating infill to outer handrail. Finish: Galvanised steel. Tactile paving to top and bottom of steps. Manufacturer: Steelway (or equal and approved); L37 321.
- SS3: STEEL STAIRS (FOR MAINTENANCE ACCESS)**
1670mm overall width stairs comprising associated handrail to provide 1560mm clear width between wall and handrail. Finish: Galvanised steel. Tactile paving to top and bottom of steps; L37 322.
- S1: BRICK STEPS**
2850mm wide steps 3 no. risers of 160mm height (935mm long x 300mm wide x 210mm depth units); L37 315.
- S2: BRICK STEPS**
2850mm wide steps 4 no. risers of 165mm height (935mm long x 300mm wide x 210mm depth units); L37 316.
- B1: BALUSTRADE TO RAMP**
100mm height steel balustrade. Finish: powder coated colour black. Supplier: Jacksons Fencing (or equal and approved); L37 160.
- CS1: CYCLE SHELTER**
15.8m long x 2.5m wide x 2.75m high cantilever cycle shelter (min. 2.6m clear to underside of roof) with galvanised steel frame with clear polycarbonate roof. Roof face to ends and front elevation to be clad in FSC Western Red Cedar. Galvanised steel columns and frame to engineer's detail and specification; Q50 211. Refer to Detail BD 0112 DD 310.
- CS2: CYCLE SHELTER**
3.5m long x 2.7m wide x 2.75m high cycle shelter (min. 2.6m clear to underside of roof) with galvanised steel frame with clear polycarbonate roof. Roof face to ends and front elevation to be clad in FSC Western Red Cedar. Galvanised steel columns and frame to engineer's detail and specification; Q50 211. Refer to Detail BD 0112 DD 310.
- CS3: STORE SHELTER**
3m high shelter to match cycle shelters CS1 & CS2 with galvanised steel frame with clear polycarbonate roof. Roof face to ends and front elevation to be clad in FSC Western Red Cedar. Galvanised steel columns and frame to engineer's detail and specification; Q50 213. Refer to Detail BD 0112 DD 313.
- BS1: TWO TIER FALCO CYCLE RACKS WITH BESPOKE SHELTERS**
FalcoLevel-PRO 2-tier high capacity bicycle racks to provide 96 cycle spaces by Falco Ltd (or equal and approved); Q50 214. Refer to Detail BD 0112 DD 310.
- ST1: BESPOKE TIMBER STORAGE SHED**
2.8m x 2.1m x 1.8m high storage shed of FSC larch timber with single ply roof. Single access door - lock type to be confirmed; Q50 212. Refer to Detail BD 0112 DD 311.
- RP1: TIMBER PLANTERS ADJACENT WALLS**
2 no. 600mm high (a.g.l) FSC naturally durable hardwood timber raised modular planter systems comprising 140mm wide x 40mm thick horizontal timbers. Coping 90mm wide x 40mm depth. Galvanised steel panels where planters abut walls. Integrated timber slatted seating by Langley Design (or equal and approved). Refer to Detail BD 0112 DD 302; Q50 235. Note: LED lighting strip (LT1) below coping.
- RP2: TIMBER PLANTER**
600mm high (a.g.l) FSC naturally durable hardwood timber raised modular planter system comprising 140mm wide x 40mm thick horizontal timbers. Coping 90mm wide x 40mm depth. Integrated timber slatted seating by Langley Design (or equal and approved). Refer to Detail BD 0112 DD 302; Q50 235. Note: LED lighting strip (LT1) below coping.
- BB1: BIRD NEST BOX**
1 no. Schweger bird nest box located on the existing tree; Q50 350A.

LIGHTING

- Note: Security and building mounted lighting to electrical engineer's detail and specification.
- LT1: LIGHTING STRIP TO RAISED PLANTERS**
LED lighting strip fixed below coping of raised planters. Specification and detail to Electrical Engineer's detail and specification.
- UL2: FLUSH RECESSED INGROUND UPLIGHTING**
Specification and detail to lighting Electrical Engineer's detail and specification.

DRAINAGE AND IRRIGATION AND DISTRICT HEATING SYSTEM THRESHOLD DRAINAGE

- To engineer's detail and specification.
- MANHOLE COVERS (RM)**
All manholes within hard landscape to have recessed covers to engineer's detail and specification.

- EXISTING DOWN PIPES (DP)**
- EXISTING VENT PIPES (VP)**
- EXISTING RAINWATER PIPES (RWP)**
To be retained.
- EXISTING GULLY GRATINGS (G)**
All gully gratings to engineer's detail and specification.
- SD1: SLOT DRAIN**
Slot drain with 10mm heलगuard. Manufacturer: ACO Technologies (or equal and approved). Below ground drainage channel to engineer's detail and specification; Q10 170.
- IP1: IRRIGATION POINT**
2 no. taps with hose attachment for watering soft landscape. Complete with lockable fitting; Q50 400.
- DISTRICT HEATING PIPES ROUTE**
DHP to be installed in trench below paving (trench dimensions and construction to be confirmed by M&E Engineer/Structural Engineer).
- DHP: DISTRICT HEATING PIPES**
DHP pipes fixed externally at high level from retaining wall (RW5) to its connection point adjacent Wates House.
- RC1: RECESSED ACCESS COVERS**
750mm wide x 800mm long x 10mm depth Galvanised steel recessed access covers with lifting holes for accessing DHP pipes. Recessed covers to receive paving units to match surrounding paving. To engineer's detail and specification.

- GENERAL NOTES:**
- ALL DIMENSIONS AND LEVELS SHALL BE CHECKED ON SITE PRIOR TO CONSTRUCTION WORK COMMENCING.
 - ALL LANDSCAPE DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND SPECIFICATIONS.
 - ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE LANDSCAPE SPECIFICATION.
 - ANY DISCREPANCY CONCERNING THE DRAWINGS SHOULD BE REFERRED TO THE CA IMMEDIATELY.
 - ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS IN METRES.
 - DO NOT SCALE OFF THIS DRAWING.
 - EXISTING SERVICE ALIGNMENTS SHALL BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION WORK COMMENCING.

Rev	Date	Description	Drawn	Ch'd
12	23/02/2016	Planning Issue	HK	RB
11	08/02/2016	Issue for coordination	HK	RB
10	03/02/2015	Revised Issue for Review with Planning	HK	RB
09	27/12/2015	Revised Issue for Review with Planning	HK	RB
08	19/11/2015	Revised Layout; Draft Issue for Comment	HK	RB
07	30/04/2015	Planning Issue	HK	RB
06	14/04/2015	Planning Issue	HK	RB
05	13/04/2015	Planning Issue	HK	RB
04	10/04/2015	Planning Issue	HK	RB
03	27/03/2015	Stage E+ Issue for comment	HK	RB
02	11/03/2015	Draft Issue for co-ordination	HK	RB
01	05/03/2015	Draft for co-ordination	HK	RB
00	18/02/2015	Draft for comment	HK	RB
Rev	Date	Description	Drawn	Ch'd

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CLIENT: University College London

PROJECT: Campbell House

TITLE: Hard Landscape Layout Plan

Status: Stage E+	Drawn: HK	Checked: RB
Scale: 1:100 @ A1	Date: 16.02.2015	Approved: RB
Drawing & Revision Number: BD 0112 DD 001 R12		