Q52 Play and sports equipment systems

To be read with Preliminaries/ General conditions.

GENERAL

PRODUCTS

320A TRAMPOLINE REF: P1

- Standard: To BS EN 1176-1.
- Manufacturer: Wicksteed Playscapes or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering Northamptonshire NN16 8YJ

Tel: 01536 517028

Email: sales@wicksteed.co.uk.

- Product reference: Trampoline. Ref: 6030-080/1 or equal approved.
- Age range: 4-12.
- Materials: Safety slabs/Steel/ plastic slats.
 - Finish: As supplied.
 - Colour: Black.
- Length: 1.5m x 1.5m.
- Height: At grade.
- Features: Vandal proof fixings.
- Method of fixing: In strict accordance with supplier's recommendations.

330A SEE-SAW REF: P2

- Standard: To BS EN 1176-1.
- · Manufacturer: Wicksteed Playscapes or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering Northamptonshire NN16 8YJ Tel: 01536 517028

- Product reference: Buddy Board / Ref: 6060-089 or equal approved.
- Age range: 6-16 years.
- Type: See-saw.
- Materials: Steel/.
 - Finish: As supplied.
 - Colour: As supplied, Black.
- Plan size: 1545mm length x 530mm wide.
- · Height: 620mm.
- · Features: Vandal proof fixings.
- Method of fixing: In strict accordance with supplier's details and recommendations..

330B SEE-SAW REF: P11

- Standard: To BS EN 1176-1.
- Manufacturer: Wicksteed Playscapes or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering

Northamptonshire NN16 8YJ

Tel: 01536 517028

Email: sales@wicksteed.co.uk.

- Product reference: Springboard See-saw / Ref: 6060-071 or equal approved.
- Age range: 6-12 years.
- Type: See-saw.
- Materials: High Density Polyethylene seat / Steel/.
 - Finish: As supplied.
 - Colour: As supplied, Yellow.
- Plan size: 1220mm L x 245mm W x 635mm H.
- Height: 635mm / critical fall height < 0.6m.
- Features: Vandal proof fixings.
- · Method of fixing: In strict accordance with supplier's details and recommendations..

350A SENSORY PLAY STRUCTURE RAIN WHEEL REF: P5

- Standard: To BS EN 1176-1.
- · Manufacturer: Broxap Ltd or equal approved

Tel, 0844 800 4085

Email: Enquiries@broxap.com.

- Product reference: Rain Wheel / Ref: BX/HMP650004.
- · Sensory features: Tactile, Audio.
- · Components: Rainwheel.
- · Materials: Galvanized steel and Polyethylene.
 - Finish: Painted.
 - Colour: RAL TBC, Green.
- · Highest platform height: At grade.
- Features: Vandal proof fixings.
- Method of fixing: In strict accordance with supplier details and recommendations.

355A IMAGINATIVE PLAY STRUCTURE BEE PLAY SCULPTURE REF: P4

- Standard: To BS EN 1176-1.
- · Manufacturer: Broxap Ltd or equal approved

Tel, 0844 800 4085

Email: Enquiries@broxap.com.

- Product reference: Bee Play Sculpture. Ref: BX/HMP350001 or equal approved.
- Age range: 2-5.
- Components: Static seating sculpture.
- · Materials: Timber as supplied.
 - Finish: As supplied (smooth, free from splinters or burrs).
 - Colour: As supplied.
- · Highest platform height: o.6 m.
- Features: None.
- Method of fixing: In strict accordance with supplier details and recommendations.

356A IMAGINATIVE PLAY ELEMENT PLAY KITCHEN REF: P7

• Standard: To BS EN 1176-1.

Manufacturer: Broxap Ltd or equal approved

Tel, 0844 800 4085

Email: Enquiries@broxap.com.

- Product reference: Messy Play Kitchen. Ref BX/HMP 250018 or equal approved.
- Age range: 2-5.
- Components: Static kitchen.
- · Materials: Timber as supplied.
 - Finish: As supplied (smooth, free from splinters or burrs).
 - Colour: As supplied.
- Highest platform height: o.6 m.
- · Features: None.
- Method of fixing: In strict accordance with supplier details and recommendations.

357A IMAGINATIVE PLAY ELEMENT CAR REF: P8

• Standard: To BS EN 1176-1.

Manufacturer: Wicksteed Playscapes or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering Northamptonshire NN16 8YJ

Tel: 01536 517028

Email: sales@wicksteed.co.uk.

- Product reference: Sports Car. Ref: 6070-071 or equal approved.
- Age range: 2-5.
- Components: Static car.
- Materials: Polyethylene / Steel.
 - Finish: As supplied.
 - Colour: Red.
- · Highest platform height: o.6 m.
- Features: None.
- Method of fixing: In strict accordance with supplier details and recommendations.

358 IMAGINATIVE PLAY ELEMENT TALKING FLOWER REF: P15

Standard: To BS EN 1176-1.

Manufacturer: Wicksteed Playscapes or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering Northamptonshire NN16 8YJ

Tel: 01536 517028

- Product reference: Talking Flower Ref: 6070-054 or equal approved.
- Age range: 3-8 years.
- Components: 2 no. static flower poles and connecting PVC hose.
- Materials: Lamina flower head/Mild Steel stems/PVC hose.
 - Finish: As supplied.
 - Colour: Yellow/Green.
- · Highest platform height: n/a.
- · Features: None.
- Method of fixing: In strict accordance with supplier details and recommendations.

390A ROCKING EOUIPMENT BIKE RE: P10

- Standard: To BS EN 1176-1 and -6.
- Manufacturer: Wicksteed Playscapes or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering Northamptonshire NN16 8YJ

Tel: 01536 517028

Email: sales@wicksteed.co.uk.

- Product reference: Scramble Bike Rocker / Ref: 6060-054.
- Age range: 2-5 years.
- Type: Sit-on rocker, single.
- Number of seats: 1.
- · Height: o.6m
- · Materials: Galvanized steel.
 - Finish: Polyester powder coated.
 - Colour: Red.
- · Features: None.
- Method of fixing: In strict accordance with supplier's details and recommendations.

390B ROCKING EQUIPMENT CAR / REF: P9

- Standard: To BS EN 1176-1 and -6.
- · Manufacturer: Wicksteed Playscapes or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering Northamptonshire NN16 8YJ

Tel: 01536 517028

Email: sales@wicksteed.co.uk.

- Product reference: Crazy Car Springie / Ref: 6060-105.
- Age range: 2-5 years.
- Type: Sit-on rocker, single.
- Number of seats: 1.
- · Height: o.6m
- · Materials: Galvanized steel.
 - Finish: Polyester powder coated.
 - Colour: Red.
- · Features: None.
- Method of fixing: In strict accordance with supplier's details and recommendations.

390C ROCKING EQUIPMENT TONI TURTLE / REF: P12

- Standard: To BS EN 1176-1 and -6.
- Manufacturer: Wicksteed Playscapes or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering Northamptonshire NN16 8YJ

Tel: 01536 517028

- Product reference: Toni Turtle Springie / Ref:6060-055.
- Age range: 2-5 years.
- Type: Sit-on rocker, single.
- Number of seats: 1.
- Height: < o.6m critical fall height
- Materials: Thick HD Polyethylene panels / Steel frame and components.
 - Finish: As supplied.
 - Colour: Green.
- · Features: None.
- Method of fixing: In strict accordance with supplier's details and recommendations.

390D ROCKING EOUIPMENT FREDDIE FROG / REF: P14

- Standard: To BS EN 1176-1 and -6.
- · Manufacturer: Wicksteed Playscapes or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering

Northamptonshire NN16 8YJ

Tel: 01536 517028

Email: sales@wicksteed.co.uk.

- Product reference: Freddie Frog Springie / Ref:6060-057.
- Age range: 2-5 years.
- Type: Sit-on rocker, single.
- Number of seats: 1.
- Height: < o.6m critical fall height
- Materials: Thick HD Polyethylene panels / Steel frame and components.
 - Finish: As supplied.
 - Colour: Green.
- Features: None.
- Method of fixing: In strict accordance with supplier's details and recommendations.

430 SPINNING EQUIPMENT REF: P3

- Standard: To BS EN 1176-1 and -5.
- · Manufacturer: Wicksteed Playscapes Ltd or equal approved

Wicksteed Leisure Ltd

Digby Street, Kettering

Northamptonshire NN16 8YJ

Tel: 01536 517028

- Product reference: Junior Comet / Ref: 6020-087 or equal approved.
- Age range: 6-12.
- Type, to BS EN 1176-5: B.
- Materials: Steel / HDPE Deck.
 - Finish: As supplied.
 - Colour: Yellow / Black.
- Diameter: 1240mm (890mm high hand holds).
- Deck height: 88mm to underside of deck.
- · Features: None.
- Method of fixing: In strict accordance with supplier's details and recommendations.

440A SWINGING EQUIPMENT BASKET MINI SWING REF: P6

- Standard: To BS EN 1176-1 and -2.
- · Manufacturer: Wicksteed Playscapes Ltd or equal approved

Wicksteed Leisure Ltd Digby Street, Kettering Northamptonshire NN16 8YJ

Tel: 01536 517028

Email: sales@wicksteed.co.uk.

- Product reference: Basket Mini Swing / Ref: 6040-101 or equal approved.
- Age range: 5-14.
- Type: 1.
- · Frame: Dual post.
 - Bays: 1.
 - Materials: Steel / Nylon rope seat.
 - Finish: Polyester powder coated.
 - Colour: Red / Black.
 - Height: 1457mm to top of frame / 965mm max basket height.
- · Seats: 1 basket.
 - Materials: Nylon rope, to supplied details.
 - Ground clearance: 570mm in vertical (resting) position.
- Features: Anti-wrap chain and Integral safety guards.
- Method of fixing: In strict accordance with supplier details and recommendations.

EXECUTION

710 PLAY EQUIPMENT INSTALLATION GENERALLY

• Standard: To manufacturer's written instructions provided in accordance with BS EN 1176-1.

CONCRETE FOUNDATIONS GENERALLY 720

- Standard: To BS 8500-2.
- Concrete: Designated, not less than GEN 1 or Standard prescribed, not less than ST2.
 Admixtures: Do not use.
- · Foundation holes: Neat vertical sides.
- Depth of foundations, bedding, haunching: Appropriate to provide adequate support and to receive overlying soft landscape or paving finishes.

725 SETTING COMPONENTS IN CONCRETE

- Holes: Strictly in accordance with manufacturer's instructions.
- Components: Accurately positioned and securely supported.
- Concrete fill: Fully compacted as filling proceeds.
- Concrete foundations exposed to view: Finished to weathering profile to shed water and trowel smooth.
- Temporary component support: Maintain undisturbed for minimum 48 hours.

740 PRESERVATIVE TREATED TIMBER

• Surfaces exposed by minor cutting and drilling: Treated by immersion or with two flood coats of a solution recommended for the purpose by main treatment solution manufacturer.

750 DAMAGE TO GALVANIZED SURFACES

- Minor damage in areas up to 40 mm² (including on fixings and fittings): Make good.
 - Materials: Low melting point zinc alloy repair rods or powders made for this purpose or at least two coats of zinc-rich paint to BS 4652.
 - Thickness: Sufficient to provide a zinc coating at least equal to the original layer.

760 SITE PAINTING

• Timing: Prepare surfaces and apply finishes as soon as possible after installing components.

COMPLETION

910 INSPECTION

- Standard: To BS EN 1176-1.
- Timing: 2 weeks prior to date when work is expected to be practically complete Note: Independent RoSPA inspection of all play equipment, surfacing and access points to be carried out prior to handover. Results to be included in the O+M Manual.
- Period of notice (minimum): 3 working days.

920 CLEANING

- General: Leave the works in a clean, tidy condition.
- Surfaces: Clean immediately before handover.

930 TESTING

Standard: To BS EN 1176-1.

940 LABELS

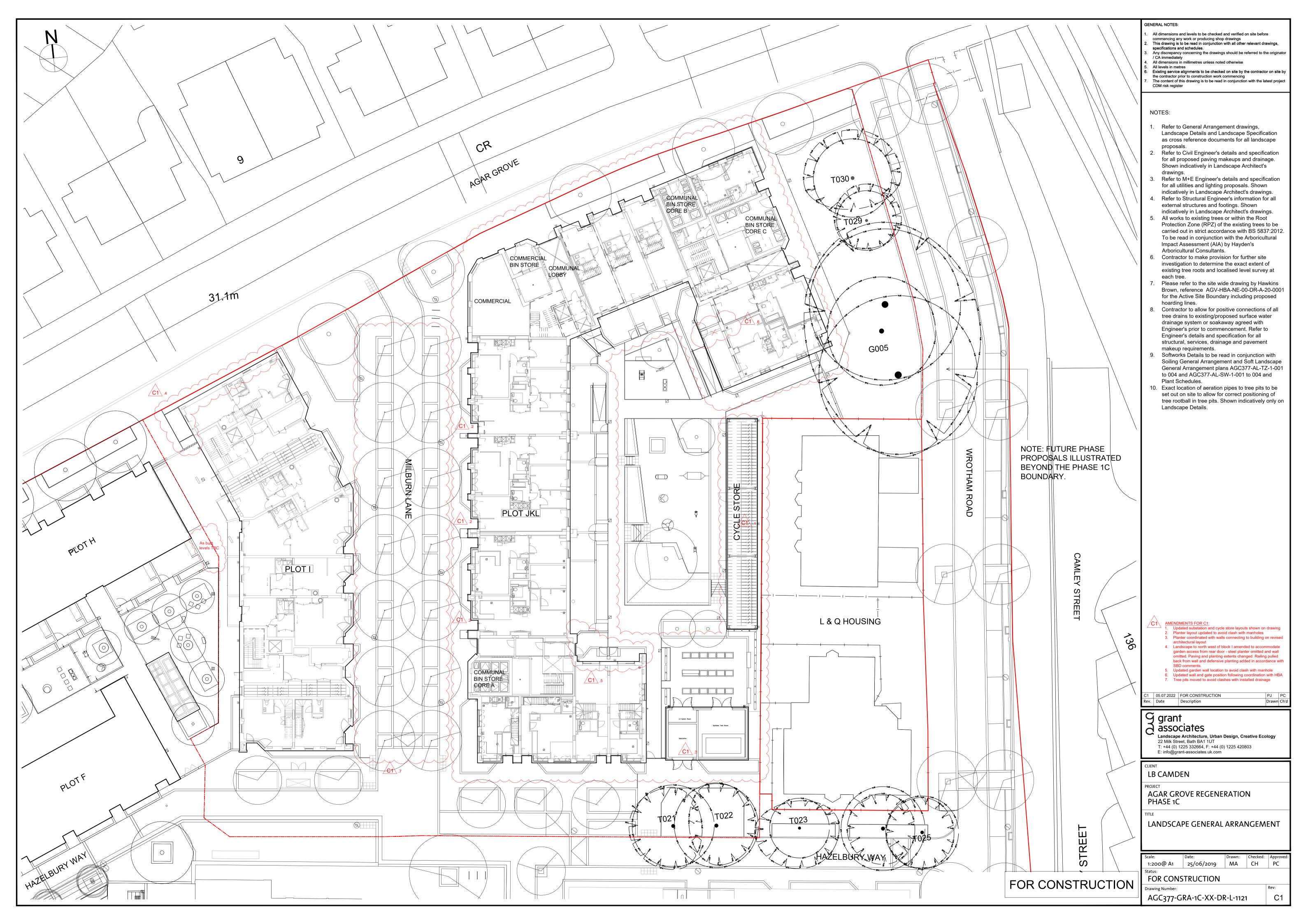
- Standard: To BS EN 1176-1.
- · Labels: Provide permanent labelling on all types of play equipment.
- · Location: Where visible when erected on site.

950 DOCUMENTATION

- Standard: To BS EN 1176-1.
- Contents:
 - Copies of test reports.
 - General product information.
 - Installation information.
 - Inspection and maintenance information.
- Number of copies: 3.
- Submission: 2 weeks prior to date when work is expected to be practically complete.

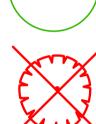
970 OPERATING TOOLS

• Tools: Supply tools required for operation, maintenance and cleaning purposes.



Existing trees to be retained without remedial works

Root Protection Zone (RPZ)



Existing trees to be removed.

- Drawing to be read in conjunction with the Arboricultural Impact Assessment (AIA) & Method Statements and Tree Survey produced by Hayden's Arboricultural Consultants.
- All work in relation to existing trees to be carried out strictly in accordance with BZ5837:2012 Trees In Relation to Construction.

LEGEND:

Red Line boundary

Phase 1C Red Line Boundary

Living Roof Strategy:

Living Roof: Proprietary brown roof to be compatible with the proposed PV system. Refer also to Landscape Specification Section Q37.

Living Roof: Bespoke Acid Grassland mix extensive green roof. Refer also to Landscape Specification Section Q37.



Living Roof: Proprietary lightweight Sedum roof to ancilliary buildings (eg. cycle stores).

Raised planters to private roof gardens:

Evergreen hedgerow planting within metalwork planters. Refer also to Planter Details AGC377-GRA-1C-XX-DR-L-5506, Landscape Specification Q31/292A and Plant Schedules.



Residents own planting within metalwork planters. Refer also to Planter Details AGC377-GRA-1C-XX-DR-L-5506, Landscape Specification Q31/292A.

Habitat Boxes:

Proprietary integral bird nest boxes incorporated into the building elevations, to accommodate the following species: Sparrow terrace



Black Redstart

Starling

Lighting column to Engineer's details

LEGEND:

Red Line boundary

Phase 1C Red Line Boundary

Specification Q10/111.

Specification Q10/200B.

Specification Q10/200C.

Landscape Specification Q24/110A.

Landscape Specification Q24/115A.

drawing AGC377-GRA-1C-XX-DR-L-5322

herringbone to trafficked areas.

used for Phase 1A/1B)

Garden Square edge treatments:

Surface Finishes:

Q10/120.

and details.

Landscape Specification Q10/200A

High quality exposed aggregate concrete kerb e.g. Charcon Eco

High quality exposed aggregate concrete edge e.g. Charcon Flat

Top Edge 59mmW x 150mmD/200mmD x 915mm L or similar

Galvanised steel edge restraint to reduced dig path construction

associated with RPZ of existing trees. Refer to Detail. Refer to

Galvanised steel angle edge restraint to climbing plant stations

within hard landscape. Typically 125x125mm. Refer to Landscape

Galvanised steel angle edge restraint to tree pits in rubber crumb.

Typically 1200mm dia x 195mm depth. Refer to Landscape

Natural stone edge for laying flush and upstand 300mmW x

200mmD x min. 500mmL. Refer to Landscape Specification

Hot rolled Asphalt to vehicle carriageway to Engineer's specification

80mm (D) Charcon Andover Textured or similar approved. Refer to

High quality concrete block paving unit e.g. 100mm x 300mm x

Standard: Colour: Silver Fleck, Laid stretcher bond to pavement /

Variation: Stretcher bond used in trafficked area (following strategy

Building thresholds to Plot JKL and I: Tiles to architects detail and

specification. Threshold line to be confirmed prior to stage 5 issue

High quality porous concrete block paving e.g. Charcon Andover

Infilta range or similar approved. Colour Silver Fleck. Refer to

- Within communal courtyard: 100mm W x 200mm L x 80mm D

Variation - Reduced dig buildup to protect existing trees. Refer to

Proprietary self binding gravel (hoggin) e.g. Breedon gravel or similar

approved. Note: Within RPZ of existing trees material to be laid as

'no-dig' construction. Refer to Landscape Specification Q23/130A.

Courtyard/ Rainbow Green to FGHI Courtyard) e.g. Playtop Safety

Proprietary porous rubber crumb play surface (colour tbc to JKL

Surfacing or similar approved. Depths to be confirmed to suit

individual play equipment safety fall heights to manufacturers

recommendations. Refer to Landscape Specification Q26/360.

Natural stone setts laid in 500mm textured strip 100mmW x 100mmD x 100mmL. Refer to Landscape Specification Q24/130.

Gravel maintenance strip with proprietary geotextile weed

Steps (ref: ST1 and ST2) to E70/410A with associated tactile paving

Landscape Specification Q23/160 & Q23/310.

(ref R1). Refer to details.

Specification Q50/220B.

Specification Q50/220D.

Furniture/Landscape Structures:

Q50/220A.

Landscape Specification Q25/520.

Landscape Specification Q50/220C

Landscape Specification Q50/210.

Landscape Specification Q31/296A.

Specification Section F10 & E70/420A.

Specification Section F10

Specification Q52/320 to 440.

Lighting bollard to Engineer's details

suppressant membrane and timber edge restraints. Refer to

Proprietary 'Flexipave' golden gravel infill to trees in rubber crumb

(SE3 edge treatment). Refer to Landscape Specification Q23/190A.

to Q25/320, colour contrast nosing and handrails (ref: R1). Refer to

Ramp (1:20 or steeper) with associated tactile paving and handrails

Tactile blister studs at primary route crossing points. Refer to

B: Fixed bollard. Refer to Landscape Specification Q50/190.

B1: Timber bench seating. Refer to Landscape Specification

B2: Timber bench seating with planter. Refer to Landscape

B4: Proprietary timber cube seats. Refer to Landscape

CS1: Stainless steel 'Sheffield' style cycle stands. Refer to

B3: Timber bench seating over retaining wall/ planter wall. Refer to

B5: Concrete bench. Refer to Landscape Specification Q50/220E.

'Grow Your Own' FSC certified treated softwood planter boxes typically

Ref WT3: Garden wall boundaries to private amenity spaces leading to

Landscape Specification Q50/130A. Brick finish to match Architectural

Ref: WT1: Raised planter privacy strip structures to Plot frontages. Brick

Ref: WT4: Low retaining wall with brick facing to match garden walls.

Ref: WT5. Low retaining walls to stepped access. Brick finish to match

Ref: WT8. Raised planter. Brick finish to match adjacent Architectural

garden walls. Brick coping. Refer to Landscape Specification Section F10.

elevations. Brick coping. Refer to Landscape Specification Section F10.

Proprietary play equipment with associated safety surface zone. Ref. P1

Pre-cast concrete coping to 300mm wide. Refer to Landscape

to P15. Refer to approved Play Strategy. Refer to Landscape

finish to match Architectural elevations. Brick coping. Refer to Landscape

courtyards. Includes a single leaf access gate to each garden, to

elevations. Refer to Landscape Specification Section F10.

1.0m x 1.0m x 0.9m high within communal courtyards. Ref: PB1. Refer to

- Within public realm: 100mm W x 300mm L x 80mm D

approved. For laying flush (150mmD) and as upstand edge

(200mmD).Refer to Landscape Specification Q10/110.

Countryside Kerb or similar approved 255mmW x 125mmD x 915mm L

with associated flush and drop kerbs as required. Refer to Landscape

Boundary treatments: Refer to Architects details and specifications. Note: Materials palette to match the approved palette within the adjacent Phase 1A/1B works. All materials subject to sample approval.

Red Line boundary

Phase 1C Red Line Boundary

Communal Courtyards Planting Strategy:

LEGEND:

Mix A: Semi-ornamental grasses and herbaceous



Mix B: Ground cover, herbaceous and bulb planting



Mix C: Evergreen ground cover shrubs planted to leading edge of plant bed (typically a 500mm wide strip unless shown otherwise on drawings).

Raised planter privacy strips to residential frontages:

Mix D: Evergreen shrubs and climbing plants

Public Realm Planting:



Mix E: Ground cover shrub planting to Agar Grove and below existing trees. Ferns and sedge species groups to be included as highlight planting. Note: Hand dug pit planting required within the RPZ of existing trees. Refer also to Soiling GA and AIA.

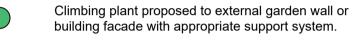


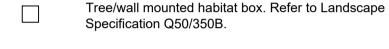
Mix F: Understorey evergreen shrub planting within streetscape.



Amenity grass seed with seasonal bulb planting. Note lawn within existing tree RPZ. Turf edging strips to footpath edges required. Existing lawn to be retained in situ with any making good to form consistent lawn sward with smooth flowing profile. No abrupt changes in level permitted.

Climbing Plants:





Note: For details of planting proposals refer also to Plant Schedules (Landscape Specification

Appendix AGC377-GRA-1C-XX-SH-L-9001).

Phase 1C Red Line Boundary

Red Line boundary

LEGEND:

Urban Boulevard: Street tree planting to strengthen existing TPO tree groups within linear beds of evergreen ground cover mix; Alnus cordata, Tilia cordata planted as semi-mature, rootballed trees.

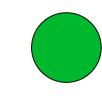
Street tree planting with oversized urban tree soil

pits in hard paved areas, typically with evergreen

cordata, Alnus cordata, Corylus colurna planted as

shrub planting at each planting station; Tilia

semi-mature, rootballed trees.

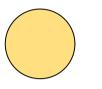


Forager's Orchard: Fruiting or flowering tree planting within communal courtyards including appropriately sized specimen

trees providing highlights with strong seasonal

Orchard Trees: Malus spp., Prunus spp., Pyrus spp., Magnolia sp. planted as standards, extra heavy standards and espaliers ensuring self-pollination or cross pollination of species. Highlight Trees:

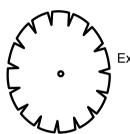
e.g. Liquidambar styraciflua, Pinus nigra planted as semi-mature, rootballed trees.



Garden Square: Garden square frontages and public realm open space ornamental flowering tress; Pyrus spp., Prunus spp.



Espalier Tree Planting: Pyrus spp.,Tilia spp.



Existing tree to be retained

Note: For details of planting proposals refer also to Plant Schedules (Landscape Specification Appendix AGC377-GRA-1C-XX-SH-L-9001).

LEGEND:

Red Line boundary



Phase 1C Red Line Boundary 'Grow your Own' bespoke freestanding planter boxes within communal courtyard areas. Typically 1.0m x 1.0m x 0.75m high. Ameliorated topsoil depth circa 600mm depth. To include proprietary drainage layer, filter membrane, waterproofing to inside face of planter and drainage outlets in base of planter.



Existing topsoil (with lawn) to be retained in situ during construction. Maximum 100mm depth topsoil skim to be placed within RPZ of existing trees, to take grass seeding for any areas to be made good. All levels to marry in smoothly to existing. Note working methodology to be in compliance with the approved AIA by Hayden's Arboricultural Consultants for all areas within the RPZ of existing trees. Refer to Landscape Specification Q28 for soiling and Q30 for Seeding/turfing requirements.



Proposed topsoil to take ground cover planting within the RPZ of existing trees. Maximum 100mm skim of topsoil with individual pit planting of shrubs (300x300x300mm pit dims). Topsoil depth to increase to c.450mm depth where root positions allow outside the RPZ of the existing tres. Exact extents and depths to be confirmed with trial digs on site prior to commencement of soiling works. Refer to Landscape Specification Q28 for soiling and Q30 for Seeding/turfing requirements.



Typically 450mm depth ameliorated topsoil over 150mm depth drainage layer with proprietary geotextile lining to planters and around drainage layer to residential frontage privacy strips. Refer to Landscape Specification Q28 for topsoil and amelioration requirements.



600mm depth ameliorated topsoil over 300mm depth subsoil. Refer to Landscape Specification Q28 for topsoil and amelioration requirements. 450mm depth ameliorated topsoil over 300mm depth subsoil. Refer to Landscape Specification



Proprietary structural tree sand pit or trench for tree planting within hard landscape areas. Refer to Landscape Specification Q28/520.

Q28 for topsoil and amelioration requirements.



Ameliorated topsoil tree pits over drainage layer for tree planting within soft landscape areas. Refer to Landscape Specification Q28 and Q31 for pit dimensions and backfill requirements.

Soiling General Notes:

- 1. Site won topsoil feasibility survey to be carried out by contractor to assess feasibility and suitability for reuse on site. Any short fall of topsoil or in the event of site-won material being unsuitable for reuse on site to be made up and supplied by contractor to comply to topsoil requirements within D20/Q28 Sections of the Landscape specification.
- 2. All site won topsoil (if available) to be chemically tested and analysed by a qualified soil scientist with recommendations for suitability for site specific use and to comply to topsoil requirements within D20/Q28 Sections of the Landscape specification.
- 3. For all tree pit sizes refer to Landscape Specification Q31/508 and Details. Contractor highlight any evident discrepancy in his tender, site specific details for pit dimensions take precedence.
- 4. Contractor to calculate all required volumes of topsoil and specified ameliorants in accordance with specified depths and tree pit volumes.

5. All topsoil, subsoil placement and earthworks to

- comply to relevant British Standards: BSBS 1377-2:1990 Methods of test for soils for civil engineering purposes. Classification tests.
- BS3882:2015 Specification for topsoil and requirements for use.
- BS4428:1989 Code of practice for general landscape operations (excluding hard surfaces)
- BS 5930: 2015 Code of practice for site investigations. BS6031:2009 Code of practice for earthworks
- BS8000-0:2014 Workmanship on building sites.
- Code of practice for excavating and filling. Drawing to be read in conjunction with Engineer's
- proposals.

For all plant beds at ground level, refer to Landscape Specification Q31/487 Ornamental Bark Mulch. Typically placed at 75mm depth. For roof level planters (Plot I, Level 04) refer to Clause Q31/488 placed at 50mm depth.

KEY TO SECTIONS AND DETAILS:

- 1. Hot rolled Asphalt to vehicle carriageway to Engineer's specification and details.
- 2. Dense binder course to Engineer's details and specification. 3. Paving subbase and geotextiles to Engineer's details and specification.
- 4. CK1. High quality exposed aggregate concrete kerb laid flush. Refer to Landscape
- Specification Q10/112.
- . Mortar bed to kerb unit. 6. In-situ concrete haunching and subbase to Engineer's details and specification.
- High quality porous concrete block paving, refer to Landscape Specification
- 8. Paving bedding course to Engineer's details and specification.
- 9. Type 1 subbase, to Engineer's specification. 10. Proprietary filter membrane wrapped around drainage layer. Refer to Landscape
- 11. High quality non-porous concrete block paving. Refer to Landscape Specification
- 12. PK1. High quality exposed aggregate concrete edge laid flush. Refer to Landscape
- 13. Existing concrete paving slabs to Agar Grove made good, replacement paving to match existing. Paving bedding and subbase made good to Engineer's details and
- 14. Existing concrete paving slabs and paving makeups retained in-situ. 15. Proprietary self binding gravel (hoggin). Refer to Landscape Specification
- Q23/130A. 16. Porous EDPM rubber crumb play surface, laid in strict accordance with supplier's recommendations to suit the critical fall heights of individual play equipment. Refer to Landscape Specification Q26/360.
- 17. Decorative bark mulch to plant beds. Refer to Landscape Specification Q31/487. 18. Ameliorated topsoil to plant bed or tree pit, placed below level of adjacent paving
- edge. Refer to Soiling General Arrangements and Landscape Specification Q28/347. 19. Free draining subsoil placed at 300mm depth below topsoil unless otherwise noted.
- Refer to Landscape Specification D20/400 to 404. 20. Natural stone setts laid to form profiled channel drain. Setts laid with flush joints.
- Refer to Landscape Specification Q24/130. 21. Natural stone edge laid flush. Refer to Landscape Specification Q10/120.
- 22. Brickwork coping and brickwork facing to retaining wall, brick to match Architectural finishes for each building plot. Refer also to Landscape Specification Section F10.
- 23. Proprietary waterproof treatment to rear face of retaining wall, e.g. bitumen based application, Contractor's choice.
- 24. Concrete footings to walls and structures shown indicatively, Refer to Engineer's

25. Clean washed gravel drainage layer to base of planter to Landscape Specification

- Q31/515A, with perforated drainage pipe and connections to Engineer's details and specification. 26. Blockwork retaining wall, to Engineer's details and specification.
- framework. Refer to Landscape Specification Q50/220. 28. Metalwork handrail to all steps and ramps unless otherwise noted, to comply with

27. Bench B3. FSC certified hardwood timber fixed to galvanised powder coated steel

- BS8300. Refer to Landscape Specification Q40/410B. 29. SE1 Metalwork edge with metalwork stake fixings at 1.5m centers. Note: fixing points locally haunched in. Exact positions to be adjusted on site subject to position
- of existing tree roots. 30. Proprietary underground guy system with load dissipating mat and ratchet adjustment. Refer to Landscape Specification Q31/585
- 31. Aeration pipe to tree rootball, with plastic cap finished flush with top of mulch layer. Refer to Landscape Specification Q31/514.
- 32. Proprietary lightweight roof garden soil to planters. Refer to Landscape Specification Q28/530A/Section Q37. 33. Proprietary contrast nosing strips to meet Building Regs Part M / BS 8300. Refer to
- Landscape Specification E70/510. 34. Pre-cast concrete step units. Refer to Landscape Specification E70/410A to Step
- Type 1 (150mm step unit).
- 35. Step units laid on mortar bedding with butt joints between units. 36. In-situ concrete step footings and subbase to Engineer's details and specification. 37. Pre-cast concrete step units. Refer to Landscape Specification E70/410A to Step
- Type 2 (95mm step unit).
- 38. Proprietary urban tree soil planting medium placed throughout tree pit below hard landscape finishes. Refer to Landscape Specification Q28/521A.
- Proprietary filter membrane to Landscape Specification Q31/515A 40. Rootball. Contractor to note that size of rootball shown (diameter and depth) is provided as approximate guide only and no other intent is applied. Refer to
- Landscape Specification Section Q31. 41. Perforated pipe and connections to Engineer's details and specification.
- 42. Bespoke metalwork, freestanding planter to achieve min. 450mm soil depth within RPZ of existing trees. Refer to Details and Landscape Specification Q31/292A. 43. SE2 Bespoke metalwork edge to form in ground planter for climbers. Refer to
- details and Landscape Specification Q10/200B. 44. Proprietary metalwork planter: proprietary filter membrane to drainage layer. placed to base of growing medium and lapped up inside face of planter to min. 150mm
- height. Refer to Landscape SpecificationQ31/292A. 45. Proprietary metalwork planter: proprietary drainage board to base of planter. Refer to Landscape Specification Q31/292A.
- 46. Proprietary root barrier placed to extent of tree pit/ tree trench within hard landscape, to plant beds adjacent to facades/retaining walls. Exact extent and position subject to further coordination with site wide utilities and drainage. Refer to Landscape Specification Q31/510.
- 47. Proposed no fines sand bedding to no-dig construction path makeup. Refer also to AIA and Civil Engineers Details and Specification. 48. Proposed proprietary geotextile filter membrane placed over cellular confinement
- system to no-dig construction path makeup. Refer also to AIA and Civil Engineers Details and Specification.
- 49. Proposed proprietary cellular confinement system and free draining infill. Refer also to AIA and Civil Engineers Details and Specification. 50. Proposed proprietary geotextile load dissipating mat placed below no-dig
- construction path. Refer also to AIA and Civil Engineers Details and Specification. 51. Proprietary stainless steel trellis system to support climbing plants to external walls. Refer to Landscape Specification Q40/141A. 52. Pre-cast concrete coping to raised planter walls. Refer to Landscape Specification
- E70/420A. 53. Tactile paving (corduroy hazard warning) slabs laid to steps and ramps. Refer to Details. To Landscape Specification Q25/320.
- 54. Bespoke metalwork post to handrails to steps and ramps. To Details. To Landscape Specification Q40/410B. 55. Bespoke metalwork cover plate to fixing points of handrail posts. To detail. To

Landscape Specification Q40/410B.

- 56. Locally reduced paving sub-base over tree pit planting medium. To Engineer's details and specification. 57. In-situ concrete footing to steel edge restraint. Extents of footings to be kept to a
- minimum within the extents of tree pit. Concrete to Engineer's specification. 58. SE3. Galvanised steel edge restraint to rubber crumb surface, 1200mm diameter with lugs for fixing. Bolt fixings to in-situ concrete footings. Refer to Landscape Specification Q10/201B.
- Q23/190A. 60. Bench B5. Concrete bench. Refer to Landscape Specification. Refer to Landscape Specification Q50/220E.

59. Proprietary porous gravel infill to tree pits. Refer to Landscape Specification

FOR CONSTRUCTION

AGC377-GRA-1C-XX-DR-L-1122

C1

NOTES:

All dimensions in millimetres unless noted otherwise

the contractor prior to construction work commencing

GENERAL NOTES:

All levels in metres

specifications and schedules.

Refer to General Arrangement drawings, Landscape Details and Landscape Specification as cross reference documents for all landscape proposals.

All dimensions and levels to be checked and verified on site before commencing any work or producing shop drawings
This drawing is to be read in conjunction with all other relevant drawings,

Any discrepancy concerning the drawings should be referred to the originator

Existing service alignments to be checked on site by the contractor on site by

The content of this drawing is to be read in conjunction with the latest project

Refer to Civil Engineer's details and specification for all proposed paving makeups and drainage. Shown indicatively in Landscape Architect's drawings.

- Refer to M+E Engineer's details and specification for all utilities and lighting proposals. Shown indicatively in Landscape Architect's drawings.
- Refer to Structural Engineer's information for all external structures and footings. Shown indicatively in Landscape Architect's drawings. All works to existing trees or within the Root Protection Zone (RPZ) of the existing trees to be
- carried out in strict accordance with BS 5837:2012. To be read in conjunction with the Arboricultural Impact Assessment (AIA) by Havden's Arboricultural Consultants. Contractor to make provision for further site
- investigation to determine the exact extent of existing tree roots and localised level survey at Please refer to the site wide drawing by Hawkins Brown, reference AGV-HBA-NE-00-DR-A-20-0001
- hoarding lines. Contractor to allow for positive connections of all tree drains to existing/proposed surface water drainage system or soakaway agreed with Engineer's prior to commencement. Refer to Engineer's details and specification for all

for the Active Site Boundary including proposed

- structural, services, drainage and pavement makeup requirements. Softworks Details to be read in conjunction with Soiling General Arrangement and Soft Landscape General Arrangement plans AGC377-AL-TZ-1-001 to 004 and AGC377-AL-SW-1-001 to 004 and
- 10. Exact location of aeration pipes to tree pits to be set out on site to allow for correct positioning of tree rootball in tree pits. Shown indicatively only on Landscape Details.

Plant Schedules.

05.07.2022 FOR CONSTRUCTION Description

Landscape Architecture, Urban Design, Creative Ecology 22 Milk Street. Bath BA1 1UT T: +44 (0) 1225 332664, F: +44 (0) 1225 420803

LB CAMDEN

v. Date

AGAR GROVE REGENERATION PHASE 1C

N/A @ A1 | 02/04/2019 | GA | CH | PC FOR CONSTRUCTION

9 grant **associates**

E: info@grant-associates.uk.com

HARD & SOFT LANDSCAPE KEY

