

The Children's Garden: OUTLINE SPECIFICATION - T1

19.12.2016 T1

General Notes:

1. Refer to GA plan 11049-RBGK-8-945-00-DR-K-101 and Hard Landscape Plan 11049-RBGK-8-945-00-DR-K-104 for locations and codes.
2. All build up requirements are indicative subject to engineer's detail and specification.
3. Product installation to manufacturer's instructions.
4. PD refers to Pricipal Designer.
5. All products and suppliers noted - equal or approved.

CODE	DESCRIPTION	TYPE	SUPPLIER	LOCATION	DRAWING REF.
<i>Surface Finish</i>					
S1	Resin bound gravel with rubber mix Mix: 50% stone, 50% recycled car tyre rubber Colour: Stone Age Bronze Stone Depth: 35mm Edging: Aluminium (K1) Build up: Cellular confinement system, perforated, depth suitable for occassional vehicular use, clean angular stone infill (type 20-40mm stone). Use Geotextile underlay.	Flexi Pave HD 1500 Porous Surfacing (equal or approved) Cellweb TRP and Treetex (equal or approved)	KBI Geosynthetics	Primary garden pathways	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S2	Resin bound gravel with rubber mix Mix: 50% stone, 50% recycled car tyre rubber Colour: Elegant Green Stone Depth: 35mm Edging: Aluminium (K1) Build up: Cellular confinement system, perforated, depth suitable for pedestrian only use, clean angular stone infill (type 20-40mm stone). Use Geotextile underlay.	Flexi Pave HD 1500 Porous Surfacing (equal or approved) Cellweb TRP and Treetex (equal or approved)	KBI Geosynthetics	Secondary garden pathways	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S3	Self binding gravel Colour: gold Aggregate: 6-0mm Depth: 50mm (after compaction) Edging: Timber (K2) Build up: MOT Type 1 150mm depth	CEDEC Gold Footpath Gravel (equal or approved)	CED Ltd.	Tertiary pathways	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S4	Basalt Aggregate Aggregate size: 20 - 14mm Depth: 200mm loose fill Colour: black Edging: Timber (K2)	Black Basalt Aggregate (equal or approved)	CED Ltd.	Tertiary pathways	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S5	Composite Decking Polyurethane Resin & Mineral Composite Decking (RMC) Board size: 176 x 3600 x 32mm. Max. 4mm gap between boards to allow drainage. Colour: black embered Cut to fit using bullnose edging strips to conceal cut ends, use fascia boards on upstand to create curves. Support posts installed using small hydraulic post driver.	Carbonised, Embered decking MDW200E (equal or approved)	Millboard	Decking	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104

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S5A	Composite Decking, Boardwalk Polyurethane Resin & Mineral Composite Decking (RMC) Board size: 176 x 3600 x 32mm. Max. 4mm gap between boards to allow drainage, perpendicular to edge. Colour: black embered Cut to fit using fascia board to conceal cut ends Edging boards, raised 75mm from deck level both sides Support posts installed using small hydraulic post driver.	Carbonised, Embered decking MDW200E (equal or approved)	Millboard	Boardwalks	11049-RBGK-8-945-00-DR-K-104
S6	Artificial Grass Fibres: Polyethylene/UV-Stabalised/Monofilament Straight and curled 4 colours Pile Height: ca. 32mm Permeable Backing: Latex, ca. 10000gr/m2 Build up: Shock absorbing underlay (permeable), MOT Type 1 Edging: Aluminium (K1)	Green Meadow (equal or approved)	Namgrass	Air Garden and Sun Garden	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S7	Bark Mulch 8-40mm particles, max whitewood volume 15% FSC certified 75mm depth	Rolawn Landscaping Bark (equal or approved)	Rolawn	To base of existing trees	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S8	Play Grade Sand White sand with a rounded particle profile and grain size max of 1.25mm	samples to be approved by PD		Earth garden	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S9	Play Grade Bark Pure Pine Bark 5-35mm particles, max whitewood volume 5% FSC certified 400mm depth to BSEN1177:2008	Rolawn Play Grade Bark (equal or approved)	Rolawn	Pine Tree Wilderness, Earth Garden, Yew Tree Den	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S10	Stepping Stones Timber effect, concrete log stepping stones Finish: Driftwood, laid recessed Size: Varies from 300-450mm diameter, 40-75mm thickness	Timberstone Driftwood Log Stepping Stones (equal or approved)	Stonemarket	Tertiary pathways	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S11	Railway Sleeper Steps Tanalised softwood Size: 2400 x 250 x 125mm	Green Eco Treated Softwood Sleeper NGS2.4250125 (equal or approved)	UK Sleepers	Tertiary pathways	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
S12	Decorative Concrete To form shallow channels and pools. Including embedded smooth pebbles and imprinted leaves.	process and finish to be approved by PD		Water Garden stream, shallow splash pool and lily pad hop	11049-RBGK-8-945-00-DR-K-104 11049-RBGK-8-945-00-DR-K-108

Kerbs & Edging					
K1	<p>Aluminium Edging AluExcel 150mm Flexible for curved edges. AluExcel 150mm Rigid for straight edges. For circles use prefabricated to required dimension. Finish: Black 'Armacote' powder coated finish to BS 6494. Dimensions: 2.5m lengths, 8mm thickness. Fixing: Spiral landscape screws, 5 stakes per length.</p>	AE150FM and AE150RM (equal or approved)	Kinley Systems	Primary pathways and artificial grass	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
K2	<p>Timber Edging 150x 19mm treated timber board. 50x50x450mm treated and pointed timber stake (top of stake to be hidden from view, lower than top height of board, covered with soil backfill). Stakes spaced at 0.5m centres. All timber to be pressure treated with an approved preservative (BS 1282). Fixing: 50mm (min) galvenised nail – 2 per stake. Joints to be double staked or mitred (straight only). Surface and subbase to be compacted carefully close to timber edges to prevent damage or bending of timber. Finished rolled surface to be slightly higher than timber edge to prevent ponding.</p>	product to be approved by PD		Tertiary pathways	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
K3	<p>Birch Log Upstand to retain planted edges and protect plants 500mm height above ground</p>	product to be approved by PD		Edges of planting beds where shown	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104

Furniture					
F1	Timber Fencing 1.8m above ground Close Board, post fixing Black painted finish, Colour graphite black RAL9011	equal or approved	Jacksons	North boundary	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
F2	Willow Fencing 1.2m 1.2m above ground Woven willow panel with post fixing	equal or approved	Jacksons	Tipi tent school lunch area and Phase 2 boundary	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
F3	Post and Rail Fencing with Badger Deterant Wire 1.2m above ground. Set within instant hedge planting. Wire Mesh: 25mm x 50mm - gauge 2.50. Minimum height above ground, 1m Minimum depth below ground: 300mm plus a minimum 300mm horizontal mesh return. The return will consist of a separate roll attached with special clips to the vertical mesh. Support posts installed using small hydraulic post driver.	equal or approved	Jacksons	North, east, south boundary	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
F4	Benches Straight Slatted timber bench, straight with backrest. (4m length) FSC Hardwood Slat size option 2: 65mm x 90mm Legs: Banded, Powder coated steel black finish RAL9011, surface fixed	Clifton Bench (equal or approved)	Woodscape	Refer to GA	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
F5	Benches Curve Slatted timber bench, curved (refer to GA plan). FSC Hardwood Slat size option 2: 65mm x 90mm Legs: Banded, Powder coated steel black finish RAL9011, surface fixed	Clifton Bench (equal or approved)	Woodscape	Refer to GA	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
F6	Litter Bin Locakable round litter bin with lockable top FSC timber Engraved with lettering 'Litter'	LBR 90 or equivalent approved	Woodscape		11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
F7	Litter Bin Recycling Locakable round litter bin with lockable top FSC timber Engraved with lettering 'Recycling'	LBR 90 or equivalent approved	Woodscape		11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
F8	Picnic Table with integral circular stools FSC Timber	to match existing school timber picnic tables		School Lunch Area	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104

Gates					
G1	Main entrance Left open during garden opening hours Sculptural, lockable entrance gate to be designed by an artist		Bespoke by approved artist	Garden boundary, refer to GA Plan	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
G2	C&C link entrance 1.2m high, Self Closing, childproof latch, lockable Steel, powder coated finish, Colour graphite black RAL9011			Garden boundary, refer to GA Plan	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
G3	Maintenance entrance, vehicular 1.2m high, lockable, double leaf Steel, powder coated finish, Colour graphite black RAL9011			Garden boundary, refer to GA Plan	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
G4	Maintenance entrance, pedestrian 1.8m high, lockable, single gate Timber, black painted finish, Colour graphite black RAL9011			Garden boundary, refer to GA Plan	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
G5	Tipi Tent lunch area entrance Double leaf, lockable hardwood timber gate	to match existing		School Lunch Area	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
G6	Tipi Tent lunch area emergency exit and maintenance access Re-use existing 2no. timber gates			School Lunch Area	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104

Built Structures					
B1	Oak Tree Circle Timber structure with concrete foundation where necessary	Bespoke	Earth Wrights	Oak tree circle	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-SG-DR-K-204
B2	Bamboo Shelter Giant Bamboo pole uprights, natural finish. Corrugated steel roof, black finish RAL9011	Bespoke	Earth Wrights	Earth garden	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-SG-DR-K-200
B3	Amphitheatre Polyurethane Resin & Mineral Composite Decking (RMC) Board size: 176 x 3600 x 32mm (cut to fit using edging strips where necessary) Colour: charred For curved profiles, use fascia board size: 146 x 3200 x 16mm Use bullnose edging strip for seat edges (refer to manufacturer's installation guide) Support posts installed using small hydraulic post driver.	Carbonised, Charred decking MDE176E (equal or approved)	Millboard	Air Garden amphitheatre surfacing and raised seating edge	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-00-DR-K-104
B4	Fruit Hoops Steel hollow section hoops with steel base frame, below ground fixing Powder coated finish, Colour graphite black RAL9011 Tension wires to one side for fruit tree training	Bespoke modified product	Handspring Designs	Sun garden	11049-RBGK-8-945-SG-DR-K-202
B5	Rainbow Hoops Steel hollow section hoops with steel base frame, below ground fixing Powder coated finish, rainbow colours	Bespoke modified product	Handspring Designs	Sun garden	11049-RBGK-8-945-SG-DR-K-202
B6	Pergola Hoops Steel hollow section hoops (black finish) and steam bent timber hoops (natural finish) fixed to steel base frame.	Bespoke modified product	Handspring Designs	Sun garden	11049-RBGK-8-945-SG-DR-K-202
B7	Willow Boundary & Tunnels	Bespoke	Artist Collaboration e.g. Laura Ellen Bacon	Gum Tree Walk	11049-RBGK-8-945-00-DR-K-101
B8	Tipi Tents extension	To match existing large tipi tents	Tentipi	School Lunch Area	11049-RBGK-8-945-00-DR-K-101
B9	Storage Container Green roof and insect home panel Inside shelving and lighting Size: 6m x 2.4m	Bespoke modified product	Green Roof Shelters	School Lunch Area	11049-RBGK-8-945-00-DR-K-101

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Play Elements					
P1	Windflowers Timber posts with modified windmill on top - to look like flowers	Bespoke modified product (modified version of 9.65085 Light Windmill)	Timberplay	Air garden	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-SG-DR-K-201
P2	Recessed Trampolines Circular trampoline recessed into ground		Russel Play	Air garden	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-SG-DR-K-201
P3	Bubble Blower Bubble machine within timber housing Turning handle for child operation	Bespoke element, to be developed with PD		Air garden	11049-RBGK-8-945-00-DR-K-101 11049-RBGK-8-945-SG-DR-K-201
P4	Pollen Spheres Moulded EPDM rubber spheres, ground anchored Size 350, colour yellow Size 450, colour orange Size 600, colour blue	Playtop Spheres	Playtop	Air garden	11049-RBGK-8-945-00-DR-K-101
P5	Periscopes		Russel Play	Mounted on Oak Tree Circle	11049-RBGK-8-945-00-DR-K-101
P6	Hammocks		Russel Play	Air garden	11049-RBGK-8-945-00-DR-K-101
P7	Kaleidoscope	Graubner Play Stations for Developing the Senses, Code 10.231	Timberplay	Sun garden, Oak Tree Circle	11049-RBGK-8-945-00-DR-K-101
P8	Singing Stone, large with 2 singing hollows and foundation anchor 1 Explanation Board	Graubner Play Stations for Developing the Senses, Code 10.42000	Timberplay	Sun garden	11049-RBGK-8-945-00-DR-K-101