

Elemental Hard Landscape Works Specification

Sturges Park Brent Cross Cricklewood

1065-14-SP-02

Issued for and on behalf of

Brent Cross Cricklewood Development Partners

Revision	Description	Issued by	Checked by	Date
-	Phase 1 BN RMA Submission	IM	GG/RG	29.03.17
A	Issued for RMA	IM	GG	19.04.17



Sturgess Park, Brent Cross Cricklewood

The following Specification is based on the latest revision of the following Landscape Drawings, Documents and Specifications for Sturgess Park, Brent Cross Cricklewood:

1065-14-001	Sturgess Park General Arrangement
1065-14-004	Sturgess Park Proposed Sections
1065-14-401-416	Sturgess Park Landscape Details

Phase 1BN RMA Design Development Report – Section 5.0

For soiling and planting details, refer to the latest revisions of:

1065-15-SP-01	Phase 1BN Base Landscape Specification
1065-15-SP-02	Phase 1BN Soft Landscape Specification
1065-14-201	Sturgess Park Planting Plan

For Architectural details, refer to Chapman Taylor and CRTKL's drawings
For Structural and Drainage details, refer to Waterman's and AECOM's drawings



Section 1.0 Groundworks

Section 2.0 Edges

Section 3.0 Surface Finishes

Section 4.0 Walls

Section 5.0 Fencing & Gates

Section 6.0 Street Furniture

Section 7.0 Irrigation

Section 8.0 Ecological Enhancements

External Lighting to be detailed and specified at a later stage by Lighting Consultant



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REF	ITEM	SUBSTRATE	DESCRIPTION	APPEARANCE/ FINISH	PERFORMANCE CRITERIA	DESIGN LIFE	NOTES
1.0	Groundworks						
1.1	Land drains to soft landscape areas	Connections to surface water drainage system to Civil Engineer's Specification	Land drainage pipes 75mm diameter		BS 4962:1989 Specification for plastics pipes and fittings for use as subsoil field drains	25 years	R12 Below ground drainage systems / R13 Land drainage Extent of drainage to be determined at post detailed planning consent
1.2	Drainage to tree pits	Connections to surface water drainage system to Civil Engineer's Specification	Land drainage pipes 75mm diameter positively connecting tree pit to drainage surface water system		BS 4962:1989 Specification for plastics pipes and fittings for use as subsoil field drains	25 years	R12 Below ground drainage systems / R13 Land drainage Extent of drainage to be determined at post detailed planning consent
1.3	Recessed manhole cover	To Engineer's detail and specification	Location to be coordinated with AECOM	Galvanised steel	BS EN 1461 Hot dip galvanized coatings on fabricated iron and steel articles Load classifications to BS EN 124 Gully tops and manhole tops for vehicular and pedestrian areas	25 years	Suprabloc system Supplied by: Jones of Oswestry Stafford Park 6 Telford Shropshire TF3 3AT 01691 653251 Or equal and approved
1.4	Drainage outfalls and manholes	To Engineer's detail and specification	Location to be coordinated with AECOM			25 years	R12 Below ground drainage systems / R13 Land drainage



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2.0 Edges							
2.1	Metal edge To consolidated gravel areas /wet pour play areas	Haunch and foundation to Civil Engineer's detail and specification	Aluminium edging Kinley Systems AluExcel Aluminium Edge Restraint or similar equal and approved	Finish: Mill finished		25 years	Q10 Stone / concrete / brick kerbs / edgings / channels Supplied by: Kinley Systems Northpoint, Compass Park, Junction Road, Staplecross, East Sussex, TN32 5BS Or equal approved
2.2	Timber edging To wet pour play area and artificial grass play area	Foundation to Engineer's detail and specification	Pressure treated sawn softwood board 38mm x 150mm Fixed to 50mm x 50mm x 450mm long timber pegs at 1m centres Nailed to edge board with galvanised nails	All timber to be treated prior to fixing	BS EN 350:2016 Durability of wood and wood-based products BS 8417:2011 +A12014 Preservation of Wood		Q10 Kerbs / edgings / channels / paving accessories
3.0 Surface Finishes							
3.1	Hot rolled asphalt To new path	Sub base and bedding to Civil Engineer's detail and specification	Hot rolled asphalt to tie into existing path	To tie into existing retained tarmac path	BS EN 13108-4 Hot rolled asphalt	25 years	Q22 Asphalt Paving Refer to GA 1065-14-001



REF	ITEM	SUBSTRATE	DESCRIPTION	APPEARANCE/ FINISH	PERFORMANCE CRITERIA	DESIGN LIFE	NOTES
3.2	SuperCEDEC To Orchard / Productive Garden, Bamboo Forest walkway and Middle Row street tree pit surrounds To seating area and gym area	Sub base to Civil Engineer's detail and specification	CED SuperCEDEC laid to manufacturer's latest recommendations	Colour: Gold		10 years subject to maintenance and intensity of use	Q23 Gravel Paving Refer to GA 1065-14-001 and Detail 1065-14-408 Supplied by: CED 728 London Road West Thurrock Grays Essex RM20 3LU T. 01708 867237
3.3	Play surface Wet pour To 5-12 years play area	Sub base and bedding to Civil Engineer's detail and specification	Wet Pour rubber surface finish Stainless steel edge with concrete haunch to Engineer's specification Safety surface to safe fall zone. Thickness to manufacturer's specification including base coat and wearing coat in compliance with EN 1177 thickness value	Smooth, non-slip finish Colour – TBC	BS EN 1177:2008 Impact attenuating playground surfacing. Determination of critical fall height	10 years subject to maintenance and intensity of use	Q26 Special Surfacing Refer to GA 1065-14-001 and Detail 1065-14-409
3.4	Play surface Artificial grass To 0-5 years play area	Sub base and bedding to Civil Engineer's detail and specification	Artificial grass Ground to be profiled under mounded areas		BS EN 1176 Playground equipment and surfacing	10 years subject to maintenance and intensity of use	Q26 Special Surfacing Refer to GA 1065-14-001 and Detail 1065-15-410



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3.5	Play area Concrete To skateboard area	Sub base and bedding to Civil Engineer's detail and specification	Concrete surface for skateboarding			25 years	Refer to GA 1065-14-001 and Detail 1065-14-001
4.0	Walls						
4.1	Retaining wall To new entrance cut through	Foundations to Engineer's detail and specification	TBC	Smooth finish to match pre-cast seating elements. 'Sturgess Park ' embossed into wall face. Colour: white		25 years	Refer to Detail 1065-14-402
5.0	Fencing & Gates						
5.1	Boundary Fence To tie in with existing at main park entrance	All foundations and fixings to Engineer's detail and specification	Boundary fence to match existing Vertical bar fence, Lang & Fulton 'Modena' fencing or similar and approved 1.9m overall fence height	Galvanised steel Colour: Black	BS EN ISO 1461 Hot dip galvanised coatings on fabricated iron and steel articles BS EN 13438:2013 Paints and varnishes. Powder organic coatings for hot dip galvanised or sherardised steel products for construction purposes	50 years	Q40 Fencing Refer to Details 1065-14-401 and 1065-14-405



REF	ITEM	SUBSTRATE	DESCRIPTION	APPEARANCE/ FINISH	PERFORMANCE CRITERIA	DESIGN LIFE	NOTES
5.2	Bow top fence To 0-5 years play area	All foundations and fixings to Engineer's detail and specification	Bow top fence, Jackson's or similar and approved 60mm Ø galvanised steel post with dome post cap 50mm Ø galvanised steel rails 19mm Ø galvanised steel pales	Polyester powder coated finish Colour: Slate Grey with contrasting colour for gates	BS EN 1176 Playground equipment and surfacing BS EN ISO 1461 Hot dip galvanised coatings on fabricated iron and steel articles BS EN 13438:2013 Paints and varnishes. Powder organic coatings for hot dip galvanised or sherardised steel products for construction purposes	50 years	Q40 Fencing Refer to Details 1065-14-401 and 1065-14-406
5.3	Entrance gate To main park entrance	All foundations and fixings to Engineer's detail and specification	Double hinged gate to match boundary fencing Drop bolts to hold gate in open position Locking mechanism – TBC by LBB	Galvanised steel Polyester powder coated finish Colour: Black	BS EN ISO 1461 Hot dip galvanised coatings on fabricated iron and steel articles BS EN 13438:2013 Paints and varnishes. Powder organic coatings for hot dip galvanised or sherardised steel products for construction purposes	50 years	Q40 Fencing Refer to Detail 1065-14-407



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5.4	Bow top double leaf maintenance gate To 0-5 years play area	All foundations and fixings to Engineer's detail and specification	Bow top double leaf maintenance gate with self-closing mechanism and manual prop bolt	Polyester powder coated finish Colour: TBC to contrast with adjacent bow top fence colour	BS EN 1176 Playground equipment and surfacing BS EN ISO 1461 Hot dip galvanised coatings on fabricated iron and steel articles BS EN 13438:2013 Paints and varnishes. Powder organic coatings for hot dip galvanised or sherardised steel products for construction purposes	50 years	Q40 Fencing Refer to Detail 1065-14-406
6.0	Street Furniture						
6.1	Seating Type 1 Concrete bench	Foundation to Engineer's detail and specification	Precast concrete bench 600mm wide x 450mm seating height, length varies 10mm radius rounding to all exposed edges	White colour with smooth, acid etched waterproofed finish	BS 8500-1:2006+ A1:2012 BS 8500-2:2006+ A1:2012 BS EN 2016-1:2000 Concrete	25 years	Q50 Site/ Street furniture/ equipment Refer to Detail 1065-14-411



REF	ITEM	SUBSTRATE	DESCRIPTION	APPEARANCE/ FINISH	PERFORMANCE CRITERIA	DESIGN LIFE	NOTES
6.2	Seating Type 2 Concrete terraced bench To 0-5 years play area	Foundation to Engineer's detail and specification	Precast concrete bench 750mm wide x 1100mm height, length varies 10mm radius rounding to all exposed edges	White colour with smooth, acid etched waterproofed finish	BS 8500-1:2006+ A1:2012 BS 8500-2:2006+ A1:2012 BS EN 2016-1:2000 Concrete	25 years	Q50 Site/ Street furniture/ equipment Refer to Detail 1065-14-412
6.3	Seating Type 3 Picnic bench	Foundation to Engineer's detail and specification	Furnitubes Fordham 8 seater picnic bench or similar and approved Galvanised steel legs fixed to concrete base in lawn	All timber to be planed, free from twists and splinters	BS EN 350:2016 Durability of wood and wood-based products BS 8417:2011 +A12014 Preservation of Wood	25 years	Q50 Site/ Street furniture/ equipment Refer to Detail 1065-14-413 All timber to be FSC certified with a full chain of custody
6.4	Seating Type 4 Cube Seat	Foundation to Engineer's detail and specification	Freestanding cast stone cube seat 600mm x 600mm x 400mm high with cast stone base All edges to be pencil rounded	Cast stone to be Silver / white colour with smooth, acid etched waterproofed finish	TBC	25 years	Q50 Site/ Street furniture/ equipment Refer to Detail 1065-14-414



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6.5	Cycle stand	Insitu concrete foundation to Engineer's detail and specification	<p>Stainless steel Sheffield Stands with epoxy resin bonding to fix tubes into foundations</p> <p>Positioned min. 1200mm apart and 550mm from any wall or obstruction</p> <p>Stainless steel plate for cycle racks at ends of runs</p>	<p>Stainless steel</p> <p>All fixings to be below external finish level</p>	TBC	25 years	<p>Q50 Site/ Street furniture/ equipment</p> <p>Refer to Detail 1065-14-415</p> <p>Supplier: BROXAP or equal and approved. Ref: BXMW/GS0</p>
6.6	Litter bin	Freestanding with ground fixing bolts to insitu concrete foundations	To LBB specification	TBC	TBC	25 years	Q50 Site/ Street furniture/ equipment
7.0	Irrigation						
7.1							<p>No new irrigation system</p> <p>Maintenance team to use bowsers or other appropriate means to irrigate landscape in accordance with soft landscape specification 1065-15-SP-02</p>



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8.0	Ecological Enhancements						
8.1	Bird boxes To existing trees		Schwegler Bird Box	General purpose nest box 1B or similar equal and approved		20 years	To be installed to ecologist's recommendations
8.2	Bat boxes To existing trees		Schwegler Bat Box	General purpose bat box 2F or similar equal and approved		20 years	To be installed to ecologist's recommendations
8.3	Log piles		Log piles created from dead wood from site	Refer to detail : 1065-14-416			To be installed to ecologist's recommendations

