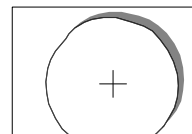
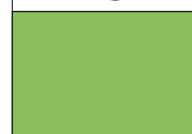




Key



Proposed tree planting



Proposed planting areas



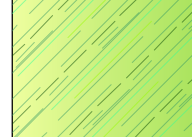
Proposed swathe planting areas



Proposed rain garden planting areas



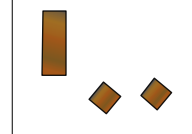
Grass areas: to be seeded with Germinal Seeds A19 (All Purpose Landscaping) grass seed mix @ 50g/sq m



Attenuation basin grass areas: to be seeded with Germinal A4 (Low Maintenance Areas) grass seed mix @ 35g/sq m



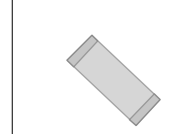
Cycle racks



Timber bench seats and cubes



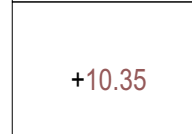
Locally sourced sandstone boulders as seats/natural play



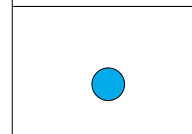
Concrete play tunnel set into grass mound



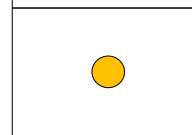
'Fallen tree' natural play structures



Proposed levels - see also Architect/Engineer drawings



Integrated Bat Boxes as Bat Observation Survey Report July 2020, and to be agreed with Ecologist



Integrated Bird Boxes as Bat Observation Survey Report July 2020, and to be agreed with Ecologist

SEE ARCHITECT/ENGINEER DRAWINGS FOR DETAILS OF EXISTING & PROPOSED SERVICES, HARD SURFACES AND ENCLOSURE

Plant Schedule

ID	Spacing	No.	Botanical Name	Common Name	Scheduled Size
AC	TREE	6	Acer campestre	Field Maple	Extra Heavy Standard, RB, 14-16cm girth
AJCG	5m/2	132	Ajuga reptans 'Catlin's Giant'	Catlin's Giant Carpet Bugle	CG, 2L
Am	4m/2	55	Alchemilla mollis	Lady's Mantle	10-20cm, CG, 2L
Bp-multi	TREE	10	Betula pendula multistem	Silver Birch multistem	Multi stem, 200-250cm ht, RB
BID	3m/2	54	Berberis thunbergii Dart's Red Lady	Barberry Dart's Red Lady	30-40cm, 2L
CB	TREE	15	Carpinus betulus	European Hornbeam	Extra Heavy Standard, RB, 14-16cm girth,
CCor	SPEC	3	Cotoneaster 'Cornubia'	Cotoneaster 'Cornubia'	1.75 - 2.50m ht., CG, 15L
Cp sedge	3m/2	101	Carex pendula	Pendulous Sedge	CG, 2L
CsMF	1m/2	80	Cornus sanguinea 'Midwinter Fire'	Midwinter Fire Dogwood	40-60cm, CG, 2L
Ctr	2m/2	55	Ceanothus thyrsiflorus var. repens	Creeping Blue Blossom	30-40cm, CG, 2L
De fern	5m/2	121	Dryopteris erythrosora	Copper Shield Fern	30-40cm, CG, 2L
EDS hedge	---	163	Escallonia 'Donard Seedling'	Escallonia 'Donard Seedling'	30-40cm, 3L
EjOA hedge	2.5/linm	144	Euonymus japonicus 'Ovatus Aureus'	Spindle 'Ovatus Aureus'	30-40cm, CG, 3L
GR	---	101	Geranium 'Rozanne'	Rozanne Cranesbill	CG, 2L
HcPP	CLIMBER	17	Hedera colchica 'Paddy's Pride'	Persian Ivy	60-80cm, CG, 3L
HGO	3m/2	104	Hebe 'Great Orme'	Great Orme Hebe	30-40cm, CG, 3L
LaH	4m/2	47	Lavandula angustifolia 'Hidcote'	Hidcote English Lavender	20-30cm, CG, 2L
LnBG	3m/2	98	Lonicera nitida 'Baggesen's Gold'	Poor Mans Box	---
LpS	CLIMBER	15	Lonicera periclymenum 'Serotina'	Late Dutch Honeysuckle	60-80cm, CG, 3L
MsR grass	2m/2	48	Miscanthus sinensis 'Rotsilber'	Red-silver Maiden Grass	30-40cm, CG, 3L
PAP	TREE	8	Prunus avium 'Plena'	Double flowered Cherry	Extra Heavy Standard, RB, 14-16cm girth
Ps fern	4m/2	75	Polystichum setiferum	Soft Shield Fern	30-40cm, CG, 2L
RFCA	3m/2	49	Rosa 'Flower Carpet Amber'	Rose 'Flower Carpet Amber'	30-40cm, CG, 3L
Ro	3m/2	91	Rosmarinus officinalis	Rosemary	30-40cm, CG, 3L
Sa-EHS	TREE	7	Sorbus aucuparia EHS	Mountain Ash EHS	Extra Heavy Standard, 12-14cm, RB
SbT	4m/2	86	Spiraea betulifolia 'Tor'	Tor Birchleaf Spirea	30-40cm, CG, 2L
Sg grass	2m/2	88	Stipa gigantea	Golden Oat Grass	CG, 2L
SI	TREE	8	Sorbus intermedia	Swedish Whitebeam	Extra Heavy Standard, RB, 14-16cm girth
Vb	3m/2	55	Verbena bonariensis	Tall Verbena	CG, 2L
VmM	3m/2	98	Vinca major 'Maculata'	Big Periwinkle	20-30cm, CG, 2L

Landscape Specification Notes

General Notes

- All landscape works to comply with BS4428:1989 Code of Practice for General Landscape Operations; BS3882:2015 Specification for Topsoil; BS3989: 1999 +A1:2013 Recommendations for Turf for General Purposes, and all subsequent amendments. All work to be carried out in suitable weather and soil conditions. Any poor site or soil preparation or conditions to be reported to site manager for remediation prior to planting, turfing and seeding
- All Nursery Stock to comply with BS3936 Part 1:1992 and all subsequent amendments; species in native mixes to be of local provenance unless otherwise agreed.

- Any proposed substitutions, whether species, cultivar, pot size or other specification, must be approved by landscape architect prior to planting;

- The landscape contractor to make him/herself aware of any underground and overhead services prior to planting.

- Prior to placing of soils ensure that the subsoils/substrates in all areas to be planted/seeded are free draining by carrying out percolation tests. Where drainage is impeded carry out suitable remedial operations such as ripping or removal of impermeable material (to be agreed with CA).

- Topsoil/subsoil: existing topsoil on site may be reused subject to agreement with the landscape architect. Imported topsoil to be provided as necessary to make up any deficiency in quantity and/or quality. Imported topsoil:
 - for planting areas and grass only seeded areas - BS3882 multipurpose grade, sandy loam texture
 - for wild flower turfed and seeded areas - BS 3882 low fertility topsoil or approved subsoil. Existing subsoil may be reused in wild flower grassland areas, subject to agreement with the landscape architect.

- PAS100 compost: provide certificate and source for approval. Arrange for CA to inspect a sample load of not less than 0.1 cu m prior to any deliveries being made. Retain for comparison with subsequent loads.

Planting Generally

- Planting generally - plant roots must be protected at all times from sun, frost and winds with planting bags used for all bare root material. All plants to be planted to the root collar and well firmed in the backfill material. Backfill material is to be placed around the roots in such a way as to ensure close contact with the roots.

- Immediately after planting cut back any damaged, dead or diseased branches, remove any weak, thin or malformed growth. Water plants thoroughly after planting. Watering to continue as required throughout first growing season following planting.

Tree Planting

- Tree pits to be excavated to minimum 1000mm diameter and 600mm depth. Clear all vegetation from pit surface. In sloping ground, maintain horizontal bases and vertical sides with no less than minimum depth throughout. Break up bottom of pits to a depth of 150mm and scarify sides. Pits to be backfilled with a well-mixed combination of 2/3 volume topsoil and 1/3 volume PAS 100 compost.

- Tree stakes: double stakes for Extra Heavy Standards (EHS), single stakes for Standards and smaller, 75mm dia., two each side/one on single side of tree trunk, driven into base/side of tree at 45 deg, to at least 300mm depth, finished height above ground 700mm. Fix tree firmly but not rigidly to stakes with cushioned tree ties, min. 50mm wide, with correctly fitting rubber spacers between tree and stakes. Spread a 75mm deep (settled) layer of approved bark or wood chip mulch over an area of 1m dia. around each tree position.

Planting areas (including swaths and rain garden areas)

- Remove surface vegetation, except trees shown for retention, from areas to be planted. Excavate as necessary to receive 400mm depth topsoil. Once soil is spread cultivate to 400mm depth, removing stones and rubbish over 75mm dia. Spread a 50mm layer of PAS100 compost over planting areas and incorporate into top 300mm.

- Plant at densities shown. Native mixes, including hedges, to be planted in a random mix with species groups of 1 to 3. Setting out of plant mix areas to be agreed with landscape architect.

- Spread a 75mm deep (settled) layer of approved bark or wood chip mulch over all plant and hedge mix areas after planting; native mix areas do not require mulch.

Grass Seeding

- Topsoil to be imported where existing material is unsuitable. See General Notes re topsoil grades to be used.

- Remove all surface vegetation. Cultivate to a depth of 300mm, removing stones and rubbish larger than 50mm dia. Where imported excavate as necessary and provide 150mm depth topsoil. Grade surface and add a 40mm layer of PAS100 compost into the top 150mm. Grade to smooth flowing contours.

- Reduce the top 25mm to a fine tilth and remove stones and rubbish over 50mm dia. Sow grass seed (see key for seed mixes to be used) at 5g/sq m - in 2 equal sowings in transverse directions. Lightly harrow or rake.

- Sward establishment: first cut of grass when the sward reaches between 40 and 70 mm ht. Remove stones/rubbish over 25mm dia. and cut grass to 40mm ht. Reseed areas of poor establishment until a sward of minimum 95% coverage has been achieved.

Maintenance over 12 months

- Maintain all planting areas and tree bases free of weeds by chemical and/or mechanical means.

- Remove any dead trees and replace with equivalent size and species in first 5 years after planting. Remove any other dead plants and replace with equivalent size and species in first year after planting.

- Water as necessary to establish plants successfully.

- Check stakes and ties and adjust to avoid damage to trees. Refirm any plants which have worked loose. Replace stakes/ties as necessary and check tree ties regularly. Prune plants according to species, location and season to remove damaged/dead growth and to encourage healthy growth with a well-balanced natural appearance.

- Maintain mulch at 75mm depth.

- Maintaining general grass areas: keep a healthy and vigorous grass sward at a height of between 25 and 50mm ht., arisings to be spread evenly over cut areas. Do not cut grass in areas with bulb planting until bulb foliage has died back. Use selective herbicides to control pernicious weeds. Apply turf fertilizer in spring, 15:10:10 NPK at recommended rates.

- Maintaining attenuation basin areas: no fertilizer to be added to these areas. Year 1: maintain grass at 40-60mm ht., arisings to be spread evenly over cut areas. Year 2 and ongoing: 2 cuts per year cut back to 50mm in late August, arisings to be spread evenly over cut areas. Spot treat pernicious weeds with selective herbicides.

FIONA CLOKE A S S O C I A T E S landscape architecture environmental planning			
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Client Hale Construction Ltd			
Project Sandfields Redevelopment			
Drawing Title Proposed Landscape Works			
Date 27.05.21	Drawn FEC	Scale 1:200 @ A0	
Project No 788	Drawing No 01	Rev	