



ONSITE PLANTING

HEDGEROW TREES

Number	Botanical Name	Common Name	Height cm	Root Zone	Specification
9	<i>Quercus robur</i>	Common Oak	175-200	B	2x Feathered; 5 brks
15	<i>Tilia cordata</i>	Small-leaved Lime	175-200	B	2x Feathered; 5 brks
24					

NATIVE WOODLAND MIX (COLLIERY SHALE)

Plant at 2.5m centres, in species groups of 5-10No. No of plants = 105

Number	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mix %	m Ctrs
15	<i>Alnus glutinosa</i>	Common Alder	40-60	B	1+1; Transplant - seed raised	20.0	2.5
15	<i>Betula pendula</i>	Common Silver Birch	40-60	B	1+1; Transplant - seed raised	10.00	2.5
15	<i>Crataegus monogyna</i>	Common Hawthorn	40-60	B	1+1; Transplant - seed raised	15.00	2.5
15	<i>Quercus robur</i>	Common Oak	40-60	B	1+1; Transplant - seed raised	25.00	2.5
15	<i>Rosa canina</i>	Dog Rose	40-60	B	1+1; Transplant - seed raised; Provenance UK Area 304	5.00	2.5
15	<i>Salix caprea</i>	Goat Willow	40-60	2L	Cutting, branched; 3 brks	10.00	2.5
15	<i>Sorbus aucuparia</i>	Rowan	40-60	B	1+1; Transplant - seed raised	15.00	2.5
105							100.00

NATIVE SCRUB MIX

Plant at 2.5m centres, in species groups of 5-10No. No of plants = 429

Number	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mix %	m Ctrs
64	<i>Acer campestre</i>	Common Maple	40-60	B	1+1; Transplant - seed raised	15.00	2.5
86	<i>Corylus avellana</i>	Common Hazel	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	20.00	2.5
129	<i>Crataegus monogyna</i>	Common Hawthorn	40-60	B	1+1; Transplant - seed raised	30.00	2.5
21	<i>Ilex aquifolium</i>	Common Holly	40-60	3L	Bushy; 3 brks	3.00	2.5
43	<i>Prunus avium</i>	Wild Cherry	40-60	B	1+1; Transplant - seed raised	10.00	2.5
86	<i>Prunus spinosa</i>	Blackthorn	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	20.00	2.5
429							100.00

NATIVE HEDGEROW MIX

5no plants/m; plant in species groups of 5-10No. Total Length = 283m. No of plants = 1415

Number	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mix %	per m
212	<i>Acer campestre</i>	Common Maple	40-60	B	1+1; Transplant - seed raised	15%	5
212	<i>Corylus avellana</i>	Common Hazel	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	15%	5
495	<i>Crataegus monogyna</i>	Common Hawthorn	40-60	B	1+1; Transplant - seed raised	35%	5
71	<i>Ilex aquifolium</i>	Common Holly	40-60	3L	Bushy; 3 brks	5%	5
71	<i>Malus sylvestris</i>	Common Crab Apple	40-60	B	1+1; Transplant - seed raised	5%	5
212	<i>Prunus avium</i>	Wild Cherry	40-60	B	1+1; Transplant - seed raised	15%	5
142	<i>Prunus spinosa</i>	Blackthorn	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	10%	5
1415						100%	

OFFSITE PLANTING

NATIVE WOODLAND MIX (COLLIERY SHALE)

Plant at 2.5m centres, in species groups of 5-10No. No of plants = 200

Number	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mix %	m Ctrs
40	<i>Alnus glutinosa</i>	Common Alder	40-60	B	1+1; Transplant - seed raised	20%	2.5
20	<i>Betula pendula</i>	Common Silver Birch	40-60	B	1+1; Transplant - seed raised	10%	2.5
30	<i>Crataegus monogyna</i>	Common Hawthorn	40-60	B	1+1; Transplant - seed raised	15%	2.5
50	<i>Quercus robur</i>	Common Oak	40-60	B	1+1; Transplant - seed raised	25%	2.5
10	<i>Rosa canina</i>	Dog Rose	40-60	B	1+1; Transplant - seed raised; Provenance UK Area 304	5%	2.5
20	<i>Salix caprea</i>	Goat Willow	40-60	2L	Cutting, branched; 3 brks	10%	2.5
30	<i>Sorbus aucuparia</i>	Rowan	40-60	B	1+1; Transplant - seed raised	15%	2.5
200							100%

NATIVE SCRUB MIX

Plant at 2.5m centres, in species groups of 5-10No. No of plants = 300

Number	Botanical Name	Common Name	Height cm	Root Zone	Specification	Mix %	m Ctrs
45	<i>Acer campestre</i>	Common Maple	40-60	B	1+1; Transplant - seed raised	15%	2.5
60	<i>Corylus avellana</i>	Common Hazel	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	20%	2.5
90	<i>Crataegus monogyna</i>	Common Hawthorn	40-60	B	1+1; Transplant - seed raised	30%	2.5
15	<i>Ilex aquifolium</i>	Common Holly	40-60	3L	Bushy; 3 brks	5%	2.5
30	<i>Prunus avium</i>	Wild Cherry	40-60	B	1+1; Transplant - seed raised	10%	2.5
60	<i>Prunus spinosa</i>	Blackthorn	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	20%	2.5
300							100%

SPECIFICATION FOR SOFT LANDSCAPE WORKS

TOPSOIL
Imported topsoil shall comply with BS 3882:2015 and shall be good quality, medium topsoil (loam, acid or slight acid pH not less than 5.0), stones not greater than 50mm in any dimension, perennial weeds and any other foreign matter, free from chemical or other polluted soil, weeds, straw, sticks, stones, clay lumps and other deleterious material. Topsoil containing a significant proportion of subsoil or other foreign matter will not be accepted on the site.
On no account shall topsoil be brought on the site in excessively wet conditions or in a water logged state. It shall be from an approved source, shall be fertile with a humus and fibre content and shall have a good crumb structure with medium texture.
Any topsoil brought onto the site without such approval shall be at the Contractor's own risk and shall be removed at the Contractor's expense if considered unsuitable.
The Contractor shall inform the Contract Administrator (CA) as soon as possible and not later than one week after the commencement of the works of the (source) of supply of topsoil. A sample of approved topsoil must be retained on site until the end of topsoiling operations for comparison with subsequent deliveries. Any soil not of this quality shall be loaded up and carried off site to tip to be provided by the Contractor, all at the Contractor's own expense. The Contractor will be responsible for the replacement of rejected soil at no extra cost.

PLANTING GENERALLY
Bare root and root balled plant material to be planted from November to end of March only. All plant material to be watered fully following planting operations. Compacted ground to be broken up.
TREE PLANTING
CAT survey to be completed prior to excavation works. All utility searches to be completed working with the Principal Contractor to ensure all existing and proposed services are identified prior to commencement of works.
All plant material to be watered fully following planting operations. Heavy Standard trees shall be 7.6m x 7.6m. The bottom 100mm of each tree pit to be broken up and 100mm layer of PAS100 grade compost shall be worked in. Compacted ground to be broken up. Backfill shall be excavated material with 50/50 mix of tree planting compost. (Sample to be approved). 4No Sierrablén gro tabs to be incorporated into each tree planting pit.
Heavy Standards to be double staked, 300mm to be driven into the ground and 600mm maximum above ground. A flexible webbing cross bar within 25mm of the top of the stake shall be used and fixed to the trunk with expandable ties. Ties to be set at approx. 1/3 height of tree. All trees to have spiral guards at base. 75mm Ornamental Bark Mulch (sample to be approved), to be spread evenly to 1m diameter surrounding the tree.

NATIVE WOODLAND PLANTING
All transplants to be minimum 2.5m apart planted within clearings of existing vegetation. Plant in species groups of 5 to 10No. Plant 40-60cm high bare root transplants by pit planting. Add 2No Sierrablén gro tabs to each pit, with peat free compost. Each transplant to be protected by 0.6m high biodegradable Tree Shelter, with ties and 0.9m high timber stake.
NATIVE HEDGE
All hedgerows to have a minimum depth of 150mm subsoil and 450mm depth of topsoil. All hedgerows to be set out working with the Contract Administrator to ensure existing underground services within the service run are avoided. The ground to be retoliated initially, removing all stones in excess of 50mm diameter. A 100mm thick layer of a suitable PAS100 peat free compost shall be worked fully into the planting beds. Slow release fertiliser to be incorporated into planting beds at manufacturer's recommended rates.
The native hedgerow to be set out in a double staggered row, 450mm apart, 5No plants/m. Plant in species groups of 5 to 10No. Each plant to have 1.0m high biodegradable tree shelter, with ties and timber stake, 0.9m high.

AMENITY GRASS: SEEDING
All Lawn areas to have a minimum depth of 150mm clean subsoil over which topsoil of a minimum depth of 200mm will be placed. Seeding to occur during March/April/May or during August/September. All noxious weeds to be spot sprayed until amenity lawn area fully established. All stones and debris 50mm and above to be removed. Ground to be cultivated and raked to fine tilth, with even constant gradients. Pre-seeding fertiliser to be added prior to sowing. Any areas of failure to be re-seeded. Autumn and spring general fertiliser to be added during establishment period.
Seed mix: HL2 Low Maintenance Grass Seed Mix applied at 35gms/m². Supplier: Hurrell Seeds.
<https://www.hurrellseeds.co.uk/product-page/20kg-hl-2-low-maintenance-grass-seed-mix-hl2>. Tel. No 01377 27400.

PROTECTIVE SYSTEM Protect newly seeded areas with Contractor's tape and pegs around perimeter of all areas. Maintain until grass is well established then remove and renestate ground. Make good any damage to grass until area is accepted.
WATERING During establishment of grass areas ensure that sufficient water is applied using a fine sprinkler or oscillating spray to maintain healthy growth.
CLEANLINESS Remove soil and arisings from hard surfaces and leave the works in a clean, tidy condition at Practical Completion and after any maintenance operations.

MAINTENANCE
Carry out the following operations from Practical Completion until end of 12 months maintenance period or as instructed by the CA.
TREES AND SHRUBS All dead/diseased plant material, shrubs and trees to be replaced during the Nov/March planting season during the following planting season following installation. All hedgerows and amenity trees to be kept free of weeds, by hand weeding or use of herbicide. All planting beds to be kept watered during the establishment and 12 months maintenance period. Bark mulch to be topped up on all planting beds to even 75mm depth. Wood chip not to be used. Tree ties to be checked periodically. Stakes to be removed once the trees are established.
AMENITY LAWN - All amenity lawn areas to be trimmed to maintain a height of 50mm growth. Before each cut, remove litter and debris. Keep the sward substantially free of broad leaved weeds by applying a suitable selective herbicide. Carefully dig out or spot treat any residual perennial weeds such as docks. Strim edges to paths. Sweep all path areas clear of arisings. Bare areas of dead grass that have failed to thrive, which are apparent during the 12 months defect liability period, will be regarded as defects due to materials or workmanship not in accordance with the Contract and must be made good by re-cultivation and reseeded at times agreed with the CA.

Notes:

- Legend
- Redline site boundary
- Additional works boundary
- Existing
- Existing edge of tree canopy
- Existing vegetation to be retained and supplemented with additional native trees & shrubs
- Existing grass
- Proposals
- Retaining wall
- Synthetic pitch
- Native hedgerow mix, 5 plants / m². Plant in groups of 5 no. per species
- Native scrub mix, 2.5m centres, plant in groups of 5 no. per species
- Low maintenance amenity grass mix
- Feathered native species trees to be planted in new hedgerow
- Offsite Planting
- Native scrub mix - area = 3593.65m²
- Native woodland mix - area = 3354.43m²
- Hardworks Proposals
- 1.1m barrier rail
- 2.4m green weldmesh fence. Cut holes every 10m at the base of fence, insert Hedghog Highway Gate
- 6m high weldmesh fence with film catching nets
- 15m Floodlight mast
- 10m Floodlight mast
- 6m high car park lighting
- Attenuation basin

PL01	Planning Issue	FB	02/02/23
REV.	DESCRIPTION:	BY:	DATE:
STATUS: PLANNING			

topia
LANDSCAPE ARCHITECTS
0172269701
www.topia-landscape-architects.co.uk

CLIENT: East Bierley Community Sports Association

SITE: East Bierley; Proposed pitches & clubhouse

TITLE: Soft Landscape Proposals

SCALE AT A3:	DATE:	DRAWN:	CHECKED:
1:500	27/01/23	PB	SF
PROJECT NO:	DRAWING NO:	REVISION:	
0209	PP001	PL01	

